



Anas SpA

DIREZIONE CENTRALE PROGETTAZIONE

S.S. N. 9 "Via Emilia" Variante di Casalpusterlengo ed eliminazione passaggio a livello sulla SP ex S.S. N. 234

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DEL PROCEDIMENTO
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DATA

PROTOCOLLO

PONTE SUL BREMBIOLO N°3 NOTE DI CALCOLO

CODICE PROGETTO

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D	RECEPIMENTO PRESCRIZIONI ISTRUTTORIA ANAS				
C	RECEPIMENTO PRESCRIZIONI CONFERENZA DEI SERVIZI	FEBBRAIO 2011			
B	VERIFICA DI OTTEMPERANZA AL DECRETO VIA	APRILE 2010			
A	PRIMA CONSEGNA PROGETTO	MARZO 2009			
REV.	DESCRIZIONE	DATA	VERIFICATO RESP. TECNICO	CONTROLLATO RESP. D'ITINERARIO	APPROVATO RESP. DI SETTORE

Codice
Elaborato

VI04 5540

Data Revisione:
FEBBRAIO 2011

REV.
C

FOGLIO
01 DI **01**

Scala:
ELABORATO DI TESTO

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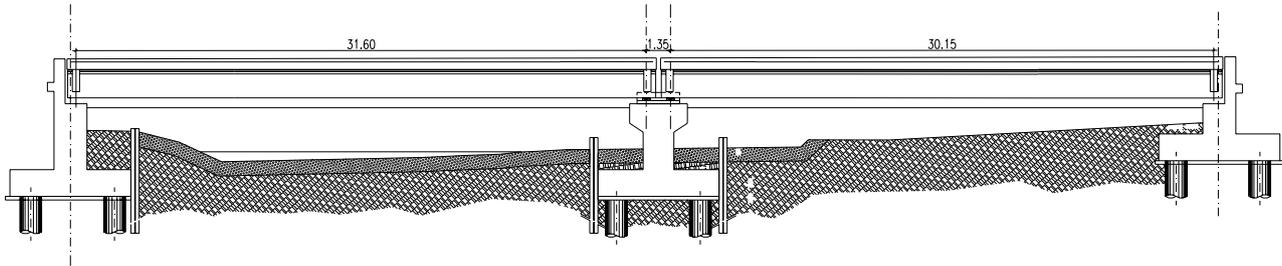
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1. GENERALITA'

1.1 Oggetto e scopo del lavoro

La presente relazione viene condotta a verifica delle strutture del ponte sul Brembiolo n°3, la cui geometria è riportata in figura:



Il cavalcavia a due campate della luce pari rispettivamente a 31.60m+30.15m, misurate in corrispondenza degli appoggi, è costituito da n. 2 spalle di estremità e da n. 1 pila intermedia realizzate in opera, e da un impalcato in travi prefabbricate di cemento armato precompresso all'estradosso delle quali viene realizzata una soletta in c.a. di sostegno al piano viario.

La struttura di impalcato, presenta un'obliquità pari a 35° ed è costituita da due impalcati indipendenti costituiti rispettivamente da 5 e 6 travi prefabbricate in c.a. precompresso con sezioni trasversali a forma di "V" di altezza pari a 1.60m e di larghezza pari a 1.40m. La soletta in c.a. ha uno spessore minimo di 40cm in corrispondenza dei cigli esterni delle banchine ed uno spessore di 65cm in corrispondenza dell'asse della carreggiata. Alle estremità della carreggiata stradale sono posizionati due percorsi pedonali di larghezza variabile da 3.50m a 1.50m da utilizzare in caso di emergenza, protetti da un lato dal traffico stradale da barriere di sicurezza del tipo H3 e da quello opposto da parapetti metallici a tre tubi.

La lunghezza complessiva del cavalcavia è pari a 63.65m misurata in corrispondenza degli assi delle spalle.

Le spalle sono costituite da paramenti verticali dello spessore di 1.50m e di altezza rispetto allo spiccato delle fondazioni pari a 3.70m per la spalla A e pari a 1.70 per la spalla B. La pila intermedia presenta paramento verticale di spessore pari a 1.40m e altezza tra lo spiccato delle fondazioni e l'estradosso del pulvino pari a 3.80m.

Nella parte superiore delle spalle sono presenti degli elementi paraghiaia dello spessore di 0.40m e di altezza pari a 2.20m, mentre nella parte superiore della pila viene realizzato un pulvino necessario per garantire le opportune superfici di appoggio delle travi e l'alloggiamento dei dispositivi di appoggio e di ritegno sismico. Tale pulvino ha lo spessore di 1.00m e una larghezza di 2.65m.

Sia le spalle che le pile sono sorrette da platee di fondazione di spessore 1.50m, al di sotto delle quali sono alloggiati pali di fondazione del diametro 1200mm disposti "a quinconce", ovvero su due file sfalsate ad interasse longitudinale e trasversale di 3.80m.

La struttura è stata modellata ed analizzata utilizzando il programma di calcolo agli elementi finiti Pro SAP.

Il cavalcavia è stato modellato nel seguente modo:

- le spalle e la pila sono costituite da elementi bidimensionali tipo shell;
- le travi prefabbricate di impalcato sono rappresentate da elementi monodimensionali tipo beam;
- le solette in c.a. all'estradosso delle travi prefabbricate sono rappresentate da elementi bidimensionali tipo shell ancorati ai nodi delle beam;
- i traversi di testata, così come quelli di campata, sono modellati con elementi tipo beam;
- alle estremità dell'impalcato longitudinalmente ad esso sono inseriti elementi tipo beam necessari per trasferire alla struttura i carichi dei parapetti e l'azione orizzontale del vento;

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- i dispositivi di appoggio ed i baggioli sono rappresentati da elementi beam utilizzando materiali differenti;
- i pali di fondazione sono rappresentati da elementi beam;
- le platee di fondazione sono modellate con elementi bidimensionali tipo shell.

Le travi di impalcato prefabbricate sono state introdotte nel modello della struttura inserendo opportune caratteristiche meccaniche dei materiali che rispecchiassero quelle ottenute con la prefabbricazione. Questo per ottenere un corretto comportamento globale dell'opera e per ottenere una valutazione più esatta possibile delle sollecitazioni agenti sulle pile, sulle spalle e sui pulvini. Tuttavia le verifiche sulle singole travi prefabbricate di impalcato e sui relativi traversi di testata e di campata, sono state condotte separatamente utilizzando criteri di verifica propri di tali elementi prefabbricati.

1.2 Criteri di calcolo

Il calcolo viene condotto con riferimento alle verifiche agli stati limite secondo tab. 5.1.V e assumendo i seguenti coefficienti parziali per gli stati limite ultimi

			EQU	STR	GEO
Permanenti	F	γ_{G1}	0.90	1.00	1.00
	S		1.10	1.35	1.00
Permanenti non strutturali	F	γ_{G2}	0.00	0.00	0.00
	S		1.50	1.50	1.30
Variabili da traffico	F	γ_Q	0.00	0.00	0.00
	S		1.35	1.35	1.15
Variabili	F	γ_{Qi}	0.00	0.00	0.00
	S		1.50	1.50	1.30
Distorsioni	F	$\gamma_{\varepsilon 1}$	0.90	1.00	1.00
	S		1.00	1.00	1.00
Ritiro, viscosità, termica, cedimenti	F	$\gamma_{\varepsilon 2}, \gamma_{\varepsilon 3}, \gamma_{\varepsilon 4}$	0.00	0.00	0.00
	S		1.20	1.20	1.00

1.3 Software di calcolo

Le analisi sono state svolte ricorrendo al seguente codice di calcolo:

ProSAPprofessional ver.5.0.0 (2Si s.r.l.)

2. NORMATIVA DI RIFERIMENTO

Nella esecuzione dei calcoli si è fatto riferimento ai seguenti documenti normativi.

L. 05/11/1971 n. 1086:	"Norme per la disciplina delle opere in conglomerato cementizio armato normale e precompresso ed a struttura metallica";
L. 02/02/1974 n. 64:	"Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche";
Decreto Ministeriale 14 gennaio 2008	"Norme Tecniche per le Costruzioni".
Circolare 2 febbraio 2009, n.617	"Istruzione per l'applicazione delle «Nuove norme tecniche per le costruzioni» di cui al decreto ministeriale 14 gennaio 2008;
CNR-UNI 10011:	"Costruzioni di acciaio "Istruzioni per il calcolo, l'esecuzione, il collaudo e la manutenzione".
CNR-UNI 10016:	"Travi composte di acciaio e calcestruzzo - Istruzioni per l'impiego nelle costruzioni".
UNI EN 1992-2005:	"Progettazione delle strutture di calcestruzzo".
UNI EN 1993-2005:	"Progettazione delle strutture di acciaio".
UNI EN 1994-2005:	"Progettazione delle strutture composte acciaio-calcestruzzo".
UNI EN 1997-2005:	"Progettazione geotecnica".
UNI EN 1998-2005:	"Progettazione delle strutture per la resistenza sismica".
UNI EN 206-1-2006:	Calcestruzzo, "Specificazione, prestazione, produzione e conformità".
UNI 11104-2004:	Calcestruzzo, " Classi di esposizione per calcestruzzo strutturale, in funzione delle condizioni ambientali".

3. MATERIALI

Calcestruzzo per soletta impalcato

si adotta un calcestruzzo di classe cubica:

Modulo elastico

Tensione di calcolo a rottura per compressione

Tensione di calcolo a rottura per trazione

Tensione di calcolo a rottura a trazione per flessione

Tensione di calcolo a rottura a taglio

$R_{ck} =$	40	[MPa]
$E_c =$	36050.0	[MPa]
$f_{cd} =$	17.64	[MPa]
$f_{ctk} =$	2.21	[MPa]
$f_{cfk} =$	2.65	[MPa]
$\tau_{rd} =$	10.18	[MPa]

Calcestruzzo per travi impalcato

si adotta un calcestruzzo di classe cubica:

Modulo elastico

Tensione di calcolo a rottura per compressione

Tensione di calcolo a rottura per trazione

Tensione di calcolo a rottura a trazione per flessione

Tensione di calcolo a rottura a taglio

$R_{ck} =$	55	[MPa]
$E_c =$	42272.3	[MPa]
$f_{cd} =$	24.25	[MPa]
$f_{ctk} =$	2.73	[MPa]
$f_{cfk} =$	3.28	[MPa]
$\tau_{rd} =$	14.00	[MPa]

Calcestruzzo per elevazioni e fondazioni spalle

si adotta un calcestruzzo di classe cubica:

Modulo elastico

Tensione di calcolo a rottura per compressione

Tensione di calcolo a rottura per trazione

Tensione di calcolo a rottura a trazione per flessione

Tensione di calcolo a rottura a taglio

$R_{ck} =$	35	[MPa]
$E_c =$	32588.1	[MPa]
$f_{cd} =$	16.46	[MPa]
$f_{ctk} =$	1.98	[MPa]
$f_{cfk} =$	2.38	[MPa]
$\tau_{rd} =$	9.50	[MPa]

Calcestruzzo per pali

si adotta un calcestruzzo di classe cubica:

Modulo elastico

Tensione di calcolo a rottura per compressione

Tensione di calcolo a rottura per trazione

Tensione di calcolo a rottura a trazione per flessione

Tensione di calcolo a rottura a taglio

$R_{ck} =$	30	[MPa]
$E_c =$	31220.2	[MPa]
$f_{cd} =$	13.23	[MPa]
$f_{ctk} =$	1.82	[MPa]
$f_{cfk} =$	2.19	[MPa]
$\tau_{rd} =$	7.64	[MPa]

Acciaio in tondi ad aderenza migliorata

tipo B450C avente caratteristiche:

Modulo di elasticità

Tensione caratteristica di snervamento

Tensione di calcolo a rottura (1%)

$E_s =$	206'000	[MPa]
$f_{yk} =$	430.00	[MPa]
$f_{sd} =$	373.91	[MPa]

4. PARAMETRI GEOTECNICI E SISMICI

4.1 Dati geotecnici

I dati fanno riferimento ai parametri indicati nella relazione geotecnica e sono distinti nei soli due casi illustrati poiché per le verifiche geotecniche di fondazioni profonde si fa riferimento ad un allegato appositamente redatto. I parametri sono corretti nelle due situazioni di SLU e SLE con i rispettivi coefficienti parziali. Per le sole analisi GEO ed EQU (stato limite ultimo) di casi a fondazione diretta, i parametri geotecnici "di progetto" vengono definiti a partire dai parametri "caratteristici" applicando i coefficienti parziali (γ_M) di cui all'Eurocodice 7 e 8, secondo le espressioni seguenti:

$$\tan(\phi_d) = \tan(\phi_k) / \gamma_{M1}$$

$$c'_d = c'_k / \gamma_{M2}$$

$$c_u = c_{uk} / \gamma_{M3}$$

$$\sigma_{c_u} = \sigma_{ck} / \gamma_{M4}$$

con:

ϕ_k = valore caratteristico dell'angolo d'attrito del terreno di fondazione;

c'_k = valore caratteristico della coesione efficace del terreno di fondazione;

c_{uk} = valore caratteristico della coesione non drenata del terreno di fondazione;

σ_{ck} = valore caratteristico della resistenza a compressione della roccia;

$\gamma_{M,i}$ = valore coefficienti parziali sulla resistenza ($\gamma_{M1} = 1.25$; $\gamma_{M2} = 1.25$; $\gamma_{M3} = 1.40$; $\gamma_{M4} = 1.40$)

Dati relativi al terreno di base

Peso specifico terreno	$\gamma_b =$	20.0	[kN/m ³]
Coazione drenata	$c'_{base} =$	0.0	[kN/m ²]
Falda superiore all'imposta plinto		FALSO	
Angolo di attrito interno terreno	$\phi'_{base} =$	35	[°]
Tensione limite del terreno	$\sigma_{base} =$	450	[kN/m ²]
Profondità piano di posa platea (da p.c.)	$z_{base} =$	2	[m]
Modulo di Winkler	$K_w =$	10000	[kN/m ³]

Dati relativi al terreno di rinterro

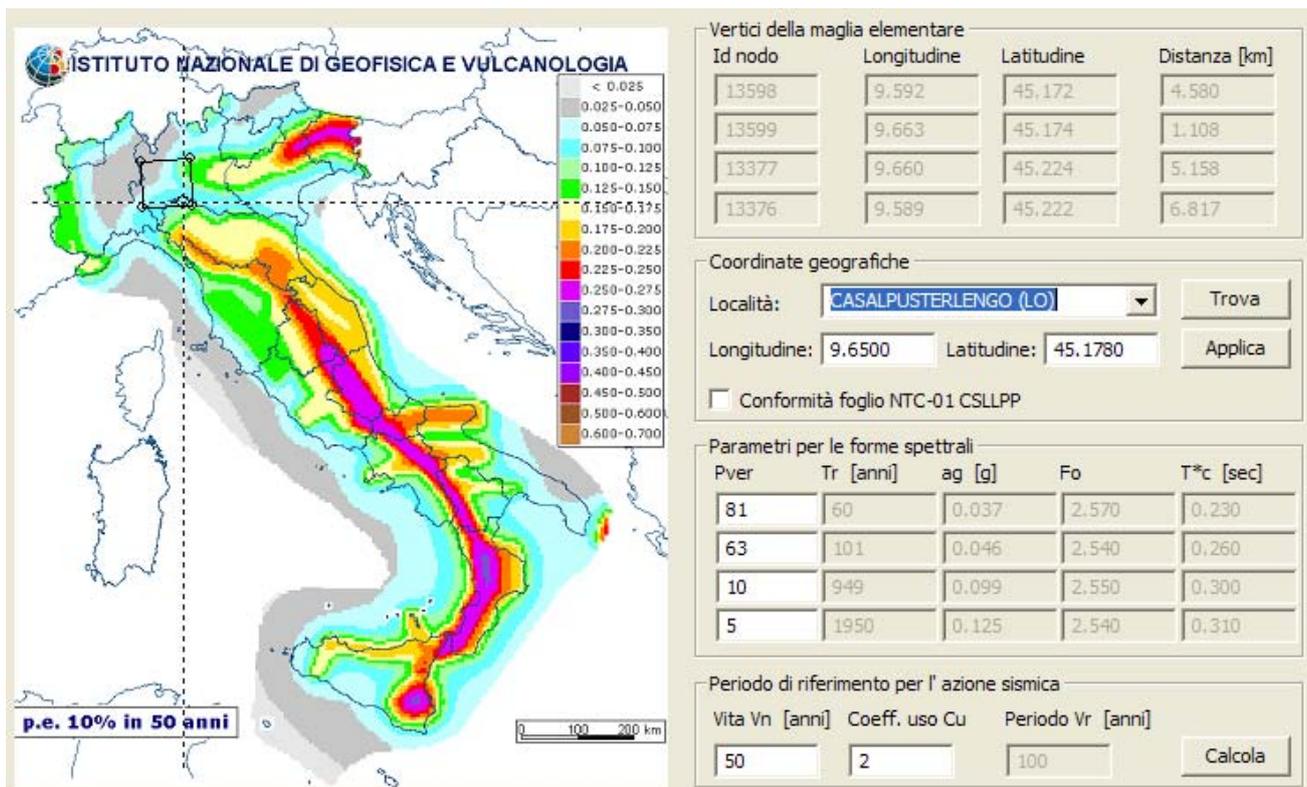
Peso specifico terreno	$\gamma =$	18	[kN/m ³]
Angolo di attrito interno terreno	$\phi' =$	38	[°]

Nel calcolo della spinta del terreno a tergo si applica un coefficiente di attrito terreno-paramento δ tramite un rapporto δ/ϕ pari a 0.25; Il diagramma delle pressioni è triangolare con valore massimo alla base: il coefficiente di spinta è assunto intermedio tra quello ricavato con il regime di spinta attiva ed a riposo.

Coefficiente di spinta attiva	$K_a =$	0.2235
Coefficiente di spinta a riposo	$K_0 =$	0.3843
	$K_{med} =$	0.3039

4.2 Parametri di sismicità del sito

I dati relativi alla sismicità sono desunti dalla relazione geotecnica ove si è condotta una analisi della sismicità locale sulla base dell'allegato A delle norme. Le verifiche sismiche sono condotte, come specificato al paragrafo precedente in accordo ad EC8, tramite l'applicazione di coefficienti parziali alle resistenze del terreno, per quanto riguarda le verifiche GEO, EQU .agli stati limite ultimi.



Parametri sismici secondo NTC2008

Vita nominale	$V_n =$	50	[anni]
Classe d'uso		IV	
Tipo di verifica allo stato limite ultimo		SLV	
Tempo di ritorno atteso	$T_r =$	949	[anni]
Fattore di amplificazione spettrale	$F_o =$	2.55	
Accelerazione orizzontale dello spettro elastico	$a_g/g =$	0.099	
Categoria di sottosuolo		C	
Categoria topografica		T1	
Coefficiente di amplificazione topografica	$S_T =$	1	
Coefficiente di sottosuolo	$S_s =$	1.500	
Coefficiente di suolo	$S =$	1.500	
Accelerazione orizzontale massima	$a_{max}/g =$	0.149	
Coefficiente di riduzione	$\beta =$	1.00	

Il calcolo dell'azione sismica viene svolto in accordo a quanto contenuto nelle NTC ovvero con riferimento ai seguenti coefficienti sismici:

$$k_H = \frac{\beta \cdot a_{\max}}{g} \qquad k_V = \pm 0.5 k_H$$

Coefficiente sismico orizzontale

$$k_h = 0.1485$$

Coefficiente sismico verticale

$$k_v = 0.0743$$

La quota parte della spinta sismica viene valutata, poiché ci troviamo in una situazione di spostamenti impediti ovvero deformazioni molto contenute tali da potere assumere che il terreno si trovi in fase elastica sia in condizioni statiche che durante il sisma, con la teoria di Wood (1973):

$$\Delta P_d = \frac{a_g}{g} \cdot \gamma \cdot S \cdot h^2 = E$$

Il punto di applicazione dell'azione E si trova a metà altezza del paramento.

5. ANALISI DEI CARICHI

5.1 Introduzione

Le sottostrutture sono verificate per le condizioni di carico statico e in condizione sismica.

Per le spalle, viste le elevate caratteristiche statiche della struttura in direzione trasversale e la prevalenza delle azioni longitudinali, si studia unicamente il comportamento in direzione longitudinale, sia nei casi statici che in quello sismico.

5.2 Carichi dall'impalcato

5.2.1 Carichi permanenti

5.2.1.1 Pesi propri

Calcolati in modo automatico dal codice di calcolo *ProSAPprofessional ver.5.0.0 (2Si s.r.l.)*.

5.2.1.2 Peso pavimentazione stradale

$$Q_{\text{neri}} = 4.30 \text{ kN/m}^2$$

5.2.1.3 Peso barriere

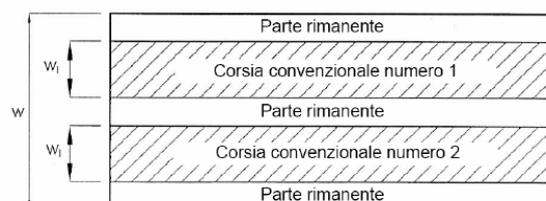
$$Q_{\text{bar}} = 1.30 \text{ kN/m}$$

5.2.1.4 Peso parapetti

$$Q_{\text{par}} = 0.60 \text{ kN/m}$$

5.2.2 Azione dei carichi da traffico

I carichi variabili da traffico sono definiti dagli Schemi di Carico descritti nel § 5.1.3.3.3 delle NTC2008, disposti su corsie convenzionali.



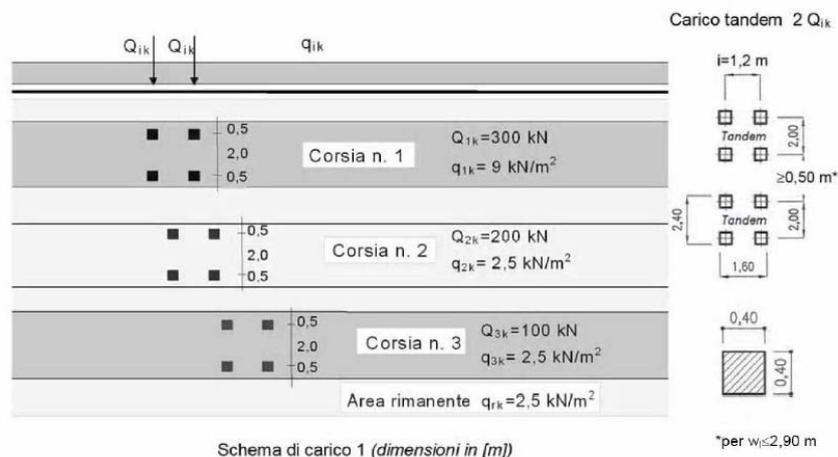
Le larghezze w_i delle corsie convenzionali su una carreggiata ed il massimo numero (intero)

possibile di tali corsie su di essa sono date dalla relazione:

$$n_l = \text{Int}(w/3)$$

In accordo da quanto previsto in normativa, essendo la carreggiata dell' impalcato da ponte divisa in due parti separate da una barriera di sicurezza fissa, ciascuna parte, incluse tutte le corsie di emergenza e le banchine, è autonomamente divisa in corsie convenzionali.

Le azioni variabili del traffico, comprensive degli effetti dinamici, sono state definite adottando uno lo schema di carico 1 (§ 5.1.3.3.5 delle NTC2008), costituito da carichi concentrati su due assi in tandem, applicati su impronte di pneumatico di forma quadrata e lato 0,40 m, e da carichi uniformemente distribuiti come mostrato in Fig. 5.1.2.



Nel caso in esame si è considerato il carico tandem distribuito uniformemente sulla larghezza della corsia standard ($Q'_{ik} = Q_{ik}/w$), ovvero si sono considerati i seguenti carichi:

CORSIA	CARICO TANDEM	CARICO DISTRIBUITO SULLA LARGHEZZA	CARICO DISTRIBUITO SULLA SUPERFICIE
1	$Q_{1k} = 2 \times 300 \text{ kN}$	$Q'_{1k} = 600 \text{ kN}/3 \text{ m} = 200 \text{ kN/m}$	$q_{1k} = 9 \text{ kN/m}^2$
2	$Q_{2k} = 2 \times 200 \text{ kN}$	$Q'_{2k} = 400 \text{ kN}/3 \text{ m} = 66.67 \text{ kN/m}$	$q_{2k} = 2.5 \text{ kN/m}^2$
3	$Q_{3k} = 2 \times 100 \text{ kN}$	$Q'_{3k} = 200 \text{ kN}/3 \text{ m} = 33.33 \text{ kN/m}$	$q_{3k} = 2.5 \text{ kN/m}^2$
4	$Q_{4k} = 0 \text{ kN}$	$Q'_{4k} = 0 \text{ kN}$	$q_{4k} = 2.5 \text{ kN/m}^2$

5.2.3 Azione longitudinale di frenamento

La forza di frenamento o di accelerazione q_3 è funzione del carico verticale totale agente sulla corsia convenzionale n. 1 (cfr. 5.1.3.5 NTC2008) ed è uguale a:

$$180 \text{ kN} \leq q_3 = 0.6 \cdot (2Q_{1k}) + 0.10 \cdot q_{1k} \cdot w_l \cdot L \leq 900 \text{ kN}$$

per i ponti di 1a categoria essendo w_l la larghezza della corsia e L la lunghezza della zona caricata.

La forza, applicata a livello della pavimentazione ed agente lungo l'asse della corsia, è assunta uniformemente distribuita sulla lunghezza caricata e include gli effetti di interazione.

Si assume $q_3 = 35 \text{ kN/m}$.

5.2.4 Urto per svio

E' prevista l'installazione di sicurvia di classe H3 bordo ponte. In accordo con quanto previsto dalle NTC2008 i sicurvia e gli elementi strutturali ai quali sono collegati devono essere dimensionati in funzione della classe di contenimento richiesta per l'impiego specifico (vedi D.M. 21-06-04 n.2367). Se non diversamente indicato, la forza deve essere considerata distribuita su 0,50 m ed applicata ad una quota h, misurata dal piano viario, pari alla minore delle dimensioni h1, h2, dove $h1 = (\text{altezza della barriera} - 0,10\text{m})$, $h2 = 1,00\text{m}$.

I parapetti devono essere calcolati in base ad un'azione orizzontale di 1,5 kN/m applicata al corrimano, posto ad almeno 1,10m dal piano di calpestio.

5.2.5 Variazioni termiche

Si considerano applicate alla struttura le seguenti variazioni termiche:

- una variazione termica uniforme applicata alla soletta superiore di intensità pari a $+10^{\circ}\text{C}$;
- una variazione termica con un gradiente termico tra l'intradosso e l'estradosso della soletta superiore pari a 20°C con andamento lineare.

5.3 Spinta del terreno

5.3.1 Spinta terreno in condizioni statiche

Si assume che la tipologia dell'opera sia tale da non consentire deformazioni tali da instaurare un regime di spinte attive e pertanto verranno considerate solamente spinte "a riposo" del terreno, da calcolarsi come segue (con ovvio significato dei simboli):

$$S = \frac{1}{2} \cdot \gamma \cdot h^2 \cdot K_{med}$$

In corrispondenza delle spalle la pressione del terreno in condizioni statiche ha andamento triangolare con valore nullo in sommità e massimo a profondità $z=(3.70+2.20)m$

Per $z=5.90m$ $p_0 = 18 \text{ kN/m}^3 \cdot 5.90m \cdot 0.3039 = 32.27 \text{ kN/mq}$

5.3.2 Spinta terreno in condizioni sismiche

In accordo con le NTC2008 (cfr. par. 7.11.6.2.1) l'analisi della sicurezza delle spalle in condizioni sismiche viene eseguita mediante il metodo pseudostatico.

L'analisi pseudostatica si effettua mediante i metodi dell'equilibrio limite. Il modello di calcolo comprende l'opera di sostegno, il cuneo di terreno a tergo dell'opera, che si suppone in stato di equilibrio limite attivo, e gli eventuali sovraccarichi agenti sul cuneo suddetto (in questo caso trascurabili). Nell'analisi pseudostatica, l'azione sismica è rappresentata da una forza statica equivalente pari al prodotto delle forze di gravità per un opportuno coefficiente sismico.

Nelle verifiche allo stato limite ultimo, i valori dei coefficienti sismici orizzontale k_h e verticale k_v possono essere valutati mediante le espressioni:

$$k_h = \beta_m \cdot \frac{a_{max}}{g} = 0.1485$$

Per muri che non siano in grado di subire spostamenti relativi rispetto al terreno, il coefficiente β_m assume valore unitario, per cui l'incremento di spinta dovuta all'azione sismica è pari a:

$$\Delta F = \gamma \cdot h \cdot k_h = 15.77 \text{ kN}$$

5.3.3 Spinta terreno da carico accidentale

La spinta del terreno dovuta al sovraccarico stradale viene messa in conto con una sollecitazione distribuita rettangolare sulla parete verticale assumendo il sovraccarico pari al valore medio dei carichi tandem applicati e ripartito secondo la geometria del manufatto in ogni caso non inferiore a 20 kN/m². Tale spinta si sviluppa in assenza di carichi tandem sull'impalcato.

Il valore della spinta sulla parete viene calcolato con la formula:

$$p_{acc} = q \cdot k_{medio}$$

In corrispondenza delle spalle la spinta del terreno dovuta al carico accidentale agente sul rilevato stradale, riferita ad elementi di larghezza unitaria, vale:

$$p_{acc}=30.39 \text{ kN/m}$$

5.3.4 Azione sismica

L'azione sismica viene valutata automaticamente dal programma ProSAP in relazione ai parametri sismici definiti nel par. 4.2.

I criteri di calcolo seguiti sono quelli del OPCM 3274 ossia adottando un'analisi semplificata poichè il ponte è costituito da campate isostatiche per cui la deformata dinamica della struttura è governata da un solo grado di libertà. Peraltro si può notare che l'adozione di appoggi che sopportano solo le azioni ordinarie, adottando per l'assorbimento delle azioni sismiche degli appositi dispositivi, consente di affermare che il moto in senso longitudinale dell'impalcato e quello delle spalle in fase sismica sia, a meno degli attriti, disaccoppiato e di conseguenza si possa calcolare l'azione sismica dell'impalcato indipendentemente dall'interazione con la spalla. In questo caso l'azione sismica dovuta all'impalcato viene interamente assorbita dai ritegni quando agisce in direzione del terreno ed in direzione trasversale; poichè in direzione longitudinale opposta al terreno l'azione viene assorbita dal ritegno della spalla opposta, si trascurano gli effetti di interazione terreno struttura. L'analisi viene condotta separatamente per la direzione longitudinale e quella trasversale.

Per quanto riguarda l'azione sulla spalla in senso trasversale, come disposto dall'art. 8.7.2, l'interazione terreno struttura può essere parimenti trascurata e l'azione sismica viene assunta pari all'accelerazione di progetto ag.

6. SPALLE

6.1 Generalità

Come specificato in precedenza, considerando sia la maggior rigidezza della struttura che la minor entità dei carichi nel senso trasversale, si analizza la spalla nel senso longitudinale.

Il calcolo della spalla è condotto secondo le usuali ipotesi di meccanica dei terreni; essendo la spalla fondata su pali di grande diametro, si è adottato per il calcolo delle spinte del terreno un coefficiente di spinta 'a riposo', mentre, nel computo della spinta sismica del terreno, la quota parte 'statica' di quest'ultima è stata calcolata utilizzando un coefficiente di spinta attiva. In caso sismico, le forze agenti sulla spalla sono costituite da:

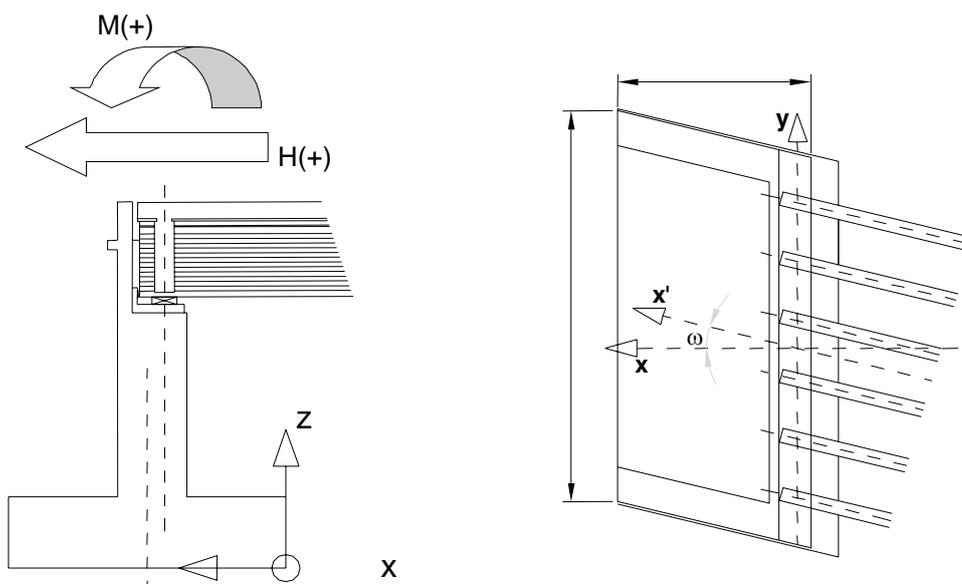
- La forza d'inerzia trasmessa dall'impalcato (spalla con appoggio fisso).
- La forza d'inerzia agente sulla massa della spalla e del terreno contenuto
- La spinta in condizioni sismiche del terreno retrostante.

Quest'ultima è calcolata in accordo all'espressione di Mononobe-Okabe ed è applicata secondo le prescrizioni regolamentari. Essendo la spalla considerata opera di sostegno, non si prendono in conto componenti sismiche verticali.

6.2 Sistema di riferimento e convenzioni sui segni

Il sistema di riferimento globale è costituito dagli assi x , y aventi origine nel baricentro della platea di fondazione e con l'asse x parallelo all'asse del ponte. In direzione longitudinale x si considerano positive le azioni che hanno effetto stabilizzante nei confronti della spalla.

Nel computo dei carichi e delle eccentricità si è fatto riferimento alle figure che seguono.



6.3 Dati geometrici

6.3.1 Spalla "A"

Altezza paramento	$H_{par} =$	3.7	[m]
Spessore paramento (in x)		1.5	[m]
Larghezza paramento (in y)		43.45	[m]
Larghezza baggioli (in y)		0.6	[m]
Larghezza baggioli (in x)		0.6	[m]
N° baggioli		11	
Dist. asse baggioli da filo ant. paramento (in x)		0.5	[m]
Altezza baggioli		0.15	[m]
Altezza paraghiaia		2.2	[m]
Spessore paraghiaia (in x)		0.4	[m]
Larghezza paraghiaia (in y)		43.45	[m]
Distanza filo posteriore paraghiaia da filo post. paramento (in X)		0	[m]
Spessore platea di fondazione		1.5	[m]
Lunghezza platea di fondazione (in x)		5.5	[m]
Larghezza platea di fondazione (in y)		44	[m]
Sbalzo anteriore platea		2	[m]
Sbalzo posteriore platea		2	[m]
Wx (trasversale)		1774.67	[m ²]
Wy (longitudinale)		221.83	[m ²]
Lunghezza risvolti (in x)		2	[m]
Spessore medio risvolti		0.7	[m]
Altezza risvolti		5.9	[m]

6.3.2 Spalla "B"

Altezza paramento	$H_{par} =$	1.7	[m]
Spessore paramento (in x)		1.5	[m]
Larghezza paramento (in y)		43.45	[m]
Larghezza baggioli (in y)		0.6	[m]
Larghezza baggioli (in x)		0.6	[m]
N° baggioli		11	
Dist. asse baggioli da filo ant. paramento (in x)		0.5	[m]
Altezza baggioli		0.15	[m]
Altezza paraghiaia		2.2	[m]
Spessore paraghiaia (in x)		0.4	[m]
Larghezza paraghiaia (in y)		43.45	[m]
Distanza filo posteriore paraghiaia da filo post. paramento (in X)		0	[m]
Spessore platea di fondazione		1.5	[m]
Lunghezza platea di fondazione (in x)		5.5	[m]
Larghezza platea di fondazione (in y)		44	[m]
Sbalzo anteriore platea		2	[m]
Sbalzo posteriore platea		2	[m]
Wx (trasversale)		1774.67	[m ²]
Wy (longitudinale)		221.83	[m ²]
Lunghezza risvolti (in x)		2	[m]
Spessore medio risvolti		0.7	[m]
Altezza risvolti		3.9	[m]
Altezza orecchie al filo post. risvolto		1.8	[m]
Altezza orecchie all'estremità		0.5	[m]
Lunghezza orecchie (in x)		2	[m]
Spessore orecchie		0.4	[m]

6.4 Verifiche

6.4.1 Appoggi

Nel calcolo delle sollecitazioni si fa riferimento ai valori massimi per appoggio. Ai fini del calcolo delle rotazioni e degli spostamenti si ritiene in ogni caso che le travi abbiano già scontato il 50% degli accorciamenti dovuti alla viscosità e al ritiro.

Si assumono inoltre i seguenti valori dei coefficienti:

Coefficiente di ritiro

$$\varepsilon = 0.0003$$

Coefficiente di dilatazione termica

$$\alpha = 1.00E-05$$

Scorrimento longitudinale (+40°)

$$12.20 \text{ [mm]}$$

Scorrimento trasversale (+40°)

$$13.64 \text{ [mm]}$$

SLU STR

	V [kN]	Hx [kN]	Hy [kN]
SLU STR	2940.00	0.00	0.00
SLU SISMA X	699.16	1632.14	593.45
SLU SISMA Y	1217.74	272.05	1908.50

SLU SISMA X

SLU SISMA Y

Ai fini del dimensionamento dei baggioli e dei ritegni sismici, a favore di sicurezza, si assumono i valori massimi delle sollecitazioni agli appoggi.

La verifica viene condotta secondo la norma CNR 10037.

6.4.2 Paramento laterale (risolto)

Combinazioni di verifica (per 1m di risolto)

	M ver [kNm/m]	V ver [kN/m]	N ver [kN/m]
UST+	1256.60	512.73	-154.38
E6a	726.05	673.29	-154.38

Si esegue la verifica con

$$H = 0.65 \text{ m} , B = 1 \text{ m} , c = 40 \text{ mm}$$

Armatura minima $A_{smin} = 975.00 \text{ mm}^2$

Armatura superiore $A_s = 5890.5 \text{ mm}^2$, (1Ø25 passo 8cm, ossia 12Ø25/m)

Armatura inferiore $A'_s = 5890.5 \text{ mm}^2$, (1Ø25 passo 8cm, ossia 12Ø25/m)

Sollecitazioni SLU:

$$M_u = 1256.00 \text{ kNm}; V_u = 155.00 \text{ kN}; N_u = -513.00 \text{ kN}$$

Momento agente ultimo (+contr. del taglio): $M'_u = 1341.10 \text{ kNm}$

Sezione pressoinflessa parzializzata, Campo di rottura '2'

Taglio limite: $V_{lim} = 457.30 \text{ kN}$ (Armatura a taglio non necessaria)

Azione Taglio compressione: $V_{cdc} = 2824.20 \text{ kN}$

Azione Taglio trazione: $V_{wd} + V_{cd} = 5906.37 \text{ kN}$

Momento ultimo resistente $M_{rd} = 1401.32 \text{ kNm}$

Sollecitazioni SLE:

$$M_e = 730.00 \text{ kNm}; N_e = -674.00 \text{ kN}$$

Sezione pressoinflessa parzializzata

$$\sigma_c = -8.41 \text{ MPa} < -13.073 \text{ MPa}$$

$$\sigma_s = 174.72 \text{ MPa} < 301 \text{ MPa}$$

Ampiezza di fessurazione di verifica $W_k = 0.161 \text{ mm}$ ($< 0.2 \text{ mm}$)

6.4.3 Paraghiaia

Il calcolo delle sollecitazioni viene istituito con riferimento alla condizione di massimo sovraccarico sul rilevato (20.0 kN/m²) e con azione frenante concentrata sulla sommità del paraghiaia.

Si considera che agisca direttamente sul paraghiaia l'azione frenante di due assi costituenti il $q_{1.a}$ (ossia 20% di 400kN), secondo lo schema di carico 2, ripartita su una larghezza pari all'ingombro delle ruote del $q_{1.a}$ (2.6m) aumentata della quantità derivante da una ripartizione a 45° sull'altezza del paraghiaia.

Altezza di calcolo paraghiaia:

2.20

M ver [kNm/m]	V ver [kN/m]	N ver [kN/m]
49.56	36.59	-22.00

Si esegue la verifica con

$H = 0.4 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$

Armatura minima $A_{smin} = 600.00 \text{ mm}^2$

Armatura superiore $A_s = 1608.5 \text{ mm}^2$, (1Ø16 passo 12cm, ossia 8Ø16/m)

Armatura inferiore $A'_s = 1608.5 \text{ mm}^2$, (1Ø16 passo 12cm, ossia 8Ø16/m)

Sollecitazioni SLU:

$M_u = 50.00 \text{ kNm}$; $V_u = 22.00 \text{ kN}$; $N_u = -37.00 \text{ kN}$

Momento agente ultimo (+contr. del taglio): $M'_u = 57.13 \text{ kNm}$

Sezione pressoinflessa parzializzata, Campo di rottura '2'

Taglio limite: $V_{lim} = 276.10 \text{ kN}$ (Armatura a taglio non necessaria)

Azione Taglio compressione: $V_{cdc} = 1666.74 \text{ kN}$

Azione Taglio trazione: $V_{wd} + V_{cd} = 3485.73 \text{ kN}$

Momento ultimo resistente $M_{rd} = 208.38 \text{ kNm}$

Sollecitazioni SLE:

$M_e = 41.67 \text{ kNm}$; $N_e = -30.83 \text{ kN}$

Sezione pressoinflessa parzializzata

$\sigma_c = -2.06 \text{ MPa} < -13.073 \text{ MPa}$

$\sigma_s = 70.60 \text{ MPa} < 301 \text{ MPa}$

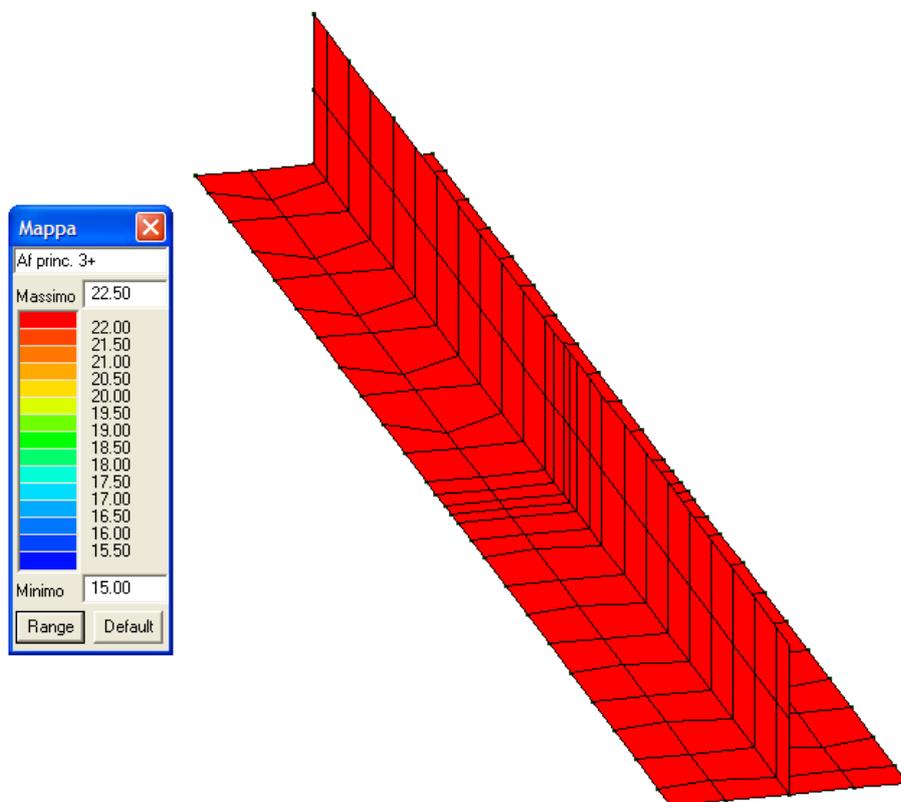
Ampiezza di fessurazione di verifica $W_k = 0.037 \text{ mm} (< 0.2 \text{ mm})$

6.4.4 Verifica elementi bidimensionali tipo shell: platea e paramento verticale

Si riportano in seguito i diagrammi risultanti delle verifiche eseguite dal programma di calcolo, con il metodo degli stati limite, sulla base dei criteri di progetto inseriti e considerando i vari involuipi delle sollecitazioni prodotte dalle varie combinazioni di carico.

Af princ. 3+

Rappresenta l'armatura principale, relativa alla faccia dell'elemento traslata rispetto all'asse di una quantità pari al semispessore in direzione 3 positiva:



L'area dell'armatura longitudinale in zona tesa non deve essere inferiore a

$$A_{s,\min} = 0.26 \frac{f_{ctm}}{f_{yk}} b_t \cdot d$$

dove:

b_t rappresenta la larghezza media della zona tesa;

d è l'altezza utile della sezione;

f_{ctm} è il valore medio della resistenza a trazione assiale;

f_{yk} è il valore caratteristico della resistenza a trazione dell'armatura ordinaria.

Dalle analisi svolte si ottengono le seguenti armature:

PLATEA

Si esegue la verifica con

$H = 1.50 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$, $R_{ck} = 35 \text{ MPa}$

Armatura minima $A_{s\min} = 2391.47 \text{ mm}^2$

Armatura superiore $A_s = 2513.3 \text{ mm}^2$, (1Ø20 passo 12cm, ossia 8Ø20/m)

Armatura inferiore $A'_s = 2513.3 \text{ mm}^2$, (1Ø20 passo 12cm, ossia 8Ø20/m)

PARAMENTO VERTICALE

Si esegue la verifica con

$H = 1.5 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$, $R_{ck} = 35 \text{ MPa}$

Armatura minima $A_{s\min} = 2391.47 \text{ mm}^2$

Armatura superiore $A_s = 2513.3 \text{ mm}^2$, (1Ø20 passo 12cm, ossia 8Ø20/m)

Armatura inferiore $A'_s = 2513.3 \text{ mm}^2$, (1Ø20 passo 12cm, ossia 8Ø20/m)

7. PILA

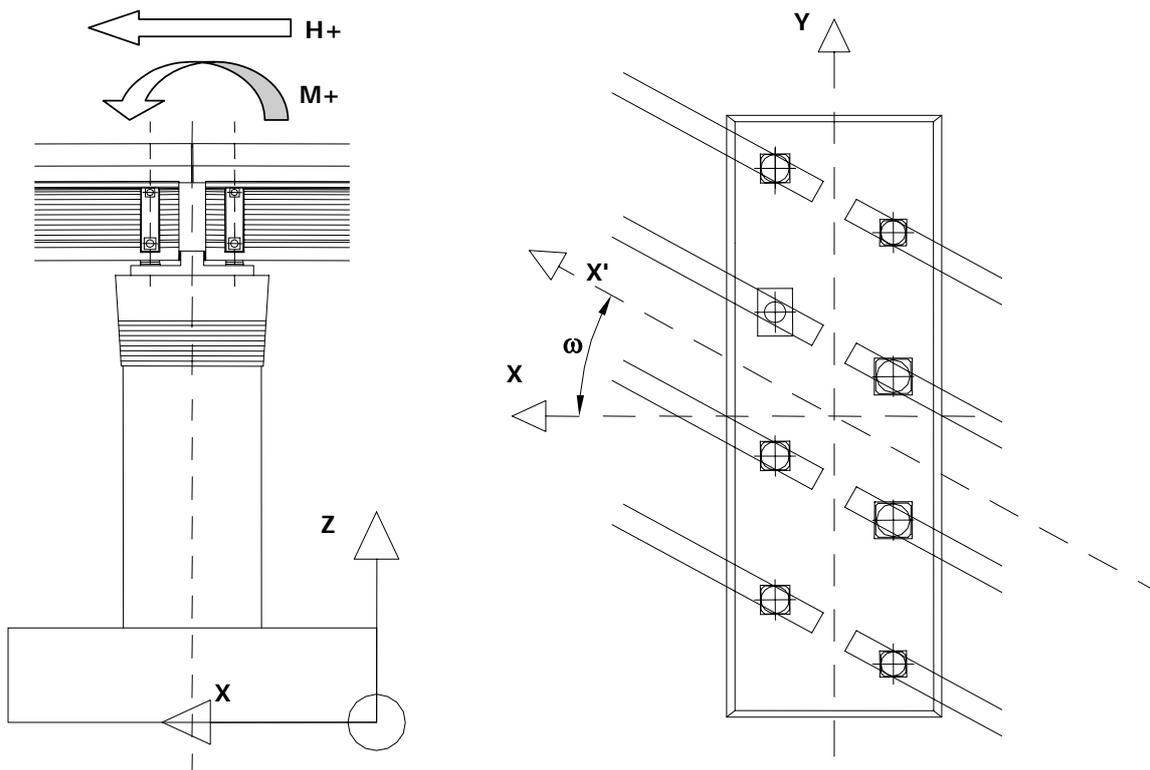
7.1 Generalità

Nel seguito vengono riportate le verifiche sulle strutture costituenti la pila in oggetto; esse sono state condotte utilizzando gli usuali metodi di verifica adottati per tali strutture, nel pieno rispetto delle normative vigenti in materia.

7.2 Sistema di riferimento e convenzioni sui segni

Il sistema di riferimento globale è costituito dagli assi x , y aventi origine nel baricentro della platea di fondazione e con l'asse x parallelo all'asse del ponte. In direzione longitudinale x si considerano positive le azioni che hanno effetto stabilizzante.

Nel computo dei carichi e delle eccentricità si fa riferimento alle figure che seguono:



7.3 Dati geometrici

Dati geometrici

Altezza fusto (escluso pulvino)	$H_{par} =$	2.1	[m]
Spessore fusto (in x)		1.4	[m]
Larghezza fusto (in y)		41.5	[m]
Larghezza baggioli (in y)		1	[m]
Larghezza baggioli (in x)		1	[m]
N° baggioli		22.00	
Dist. asse baggioli da filo ant. pulvino (in x)		0.75	[m]
Altezza baggioli		0.15	[m]
Spessore pulvino all'attacco pila (in z)		0.5	[m]
Spessore pulvino all'estremità (in z)		1.1	[m]
Larghezza pulvino (in y)		42.7	[m]
Larghezza pulvino (in x)		2.6	[m]
Spessore platea di fondazione		1.5	[m]
Rinterro da p.c.		1	[m]
Lunghezza platea di fondazione (in x)		5.5	[m]
Larghezza platea di fondazione (in y)		47.2	[m]
Sbalzo anteriore platea		2.05	[m]
Sbalzo posteriore platea		2.05	[m]

7.4 Verifiche

7.4.1 Appoggi

Nel calcolo delle sollecitazioni si fa riferimento ai valori massimi per appoggio. Ai fini del calcolo delle rotazioni e degli spostamenti si ritiene in ogni caso che le travi abbiano già scontato il 50% degli accorciamenti dovuti alla viscosità e al ritiro.

Si assumono inoltre i seguenti valori dei coefficienti:

Coefficiente di ritiro

$$\varepsilon = 0.0003$$

Coefficiente di dilatazione termica

$$\alpha = 1.00E-05$$

Scorrimento longitudinale (+40°)

$$12.20 \text{ [mm]}$$

Scorrimento trasversale (+40°)

$$13.64 \text{ [mm]}$$

	V [kN]	Hx [kN]	Hy [kN]
SLU STR 01	1470.00	425.00	850.00

Ai fini del dimensionamento dei baggioli e dei ritegni sismici, a favore di sicurezza, si assumono i valori massimi delle sollecitazioni agli appoggi.

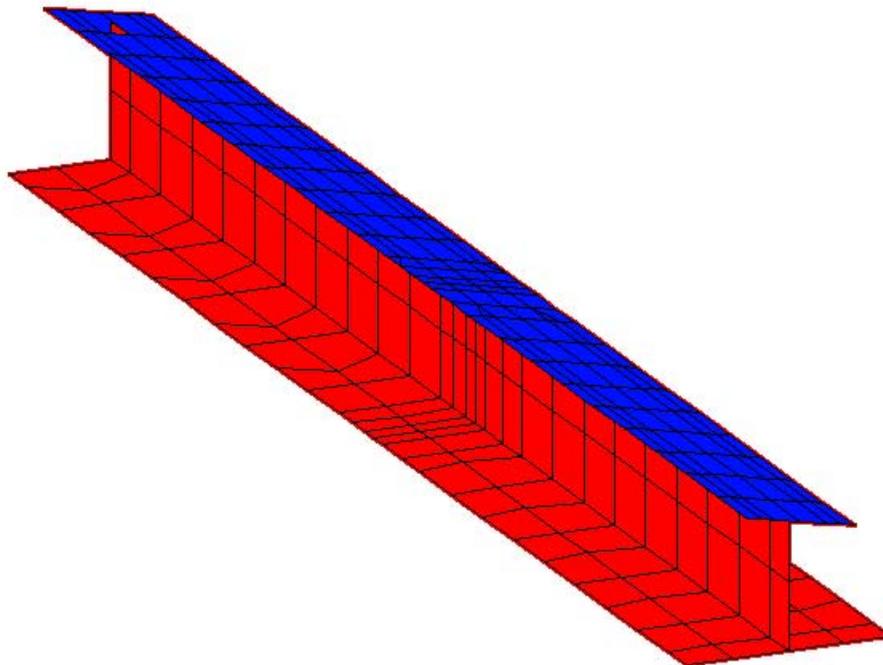
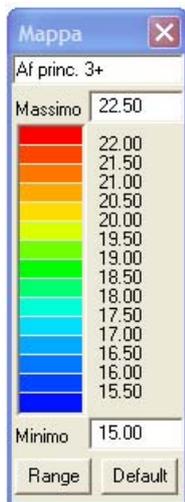
La verifica viene condotta secondo la norma CNR 10037.

7.4.2 Verifica elementi bidimensionali tipo shell: platea, fusto pila e pulvino

Si riportano in seguito i diagrammi risultanti delle verifiche eseguite dal programma di calcolo, con il metodo degli stati limite, sulla base dei criteri di progetto inseriti e considerando i vari involuipi delle sollecitazioni prodotte dalle varie combinazioni di carico.

Af princ. 3+

Rappresenta l'armatura principale, relativa alla faccia dell'elemento traslata rispetto all'asse di una quantità pari al semispessore in direzione 3 positiva;



L'area dell'armatura longitudinale in zona tesa non deve essere inferiore a

$$A_{s,\min} = 0.26 \frac{f_{ctm}}{f_{yk}} b_t \cdot d$$

dove:

- b_t rappresenta la larghezza media della zona tesa;
- d è l'altezza utile della sezione;
- f_{ctm} è il valore medio della resistenza a trazione assiale;
- f_{yk} è il valore caratteristico della resistenza a trazione dell'armatura ordinaria.

Dalle analisi svolte si ottengono le seguenti armature:

PLATEA

Si esegue la verifica con

$H = 1.50 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$, $R_{ck}=35\text{MPa}$

Armatura minima $A_{s\min} = 2391.47 \text{ mmq}$

Armatura superiore $A_s = 2513.3 \text{ mmq}$, (1Ø20 passo 12cm, ossia 8Ø20/m)

Armatura inferiore $A's = 2513.3 \text{ mmq}$, (1Ø20 passo 12cm, ossia 8Ø20/m)

FUSTO PILA

Si esegue la verifica con

$H = 1.4 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$, $R_{ck}=35\text{MPa}$

Armatura minima $A_{s\min} = 2227.67 \text{ mmq}$

Armatura superiore $A_s = 2513.3 \text{ mmq}$, (1Ø20 passo 12cm, ossia 8Ø20/m)

Armatura inferiore $A's = 2513.3 \text{ mmq}$, (1Ø20 passo 12cm, ossia 8Ø20/m)

PULVINO

Si esegue la verifica con

$H = 1.1 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$, $R_{ck}=35\text{MPa}$

Armatura minima $A_{s\min} = 1736.28 \text{ mmq}$

Armatura superiore $A_s = 1885.0 \text{ mmq}$, (1Ø20 passo 16cm, ossia 6Ø20/m)

Armatura inferiore $A's = 1885.0 \text{ mmq}$, (1Ø20 passo 16cm, ossia 6Ø20/m)

8. PALI

8.1 Determinazione delle sollecitazioni sui singoli pali

Il calcolo delle sollecitazioni è stata eseguita con l'utilizzo del codice di calcolo *ProSAPprofessional ver.5.0.0* (2Si s.r.l.) i cui risultati sono riassunti nell'ALLEGATO 1, con le seguenti ipotesi:

- vincolo di incastro tra pali e spalla;
- interazione fra i pali trascurabile;
- rotazione della testa dei pali impedita.

Si assumono come sollecitazioni di progetto le azioni relative alla combinazione di carico che fornisce il massimo momento flettente lungo l'asse del palo accoppiato alla massima azione orizzontale:

	M [kNm]	N [kN]	T [kN]
GEO	445.000	2255.000	130.000
GEO	35.000	2490.000	15.000
SISMA X	1420.000	3820.000	510.000

8.2 Capacità Portante dei pali

La definizione della lunghezza da assegnare ai pali è avvenuta tramite una serie di verifiche della capacità portante dei pali di fondazione eseguite tramite le formulazioni proposte per i pali trivellati di grande diametro e contenute nelle indicazioni riportate nel documento "Raccomandazioni sui pali di fondazione" dell'Associazione Geotecnica Italiana, 1984.

La portata totale limite del palo singolo (P) sottoposto a carichi assiali di compressione è data dalla seguente equazione:

$$P = P_L + P_p$$

essendo: P_L = portata laterale P_p = portata alla punta

Per quanto riguarda la portata ultima alla base del palo si è fatto ricorso alla formulazioni proposte da Meyerhof (1976).

Il calcolo della portata laterale è valutato come:

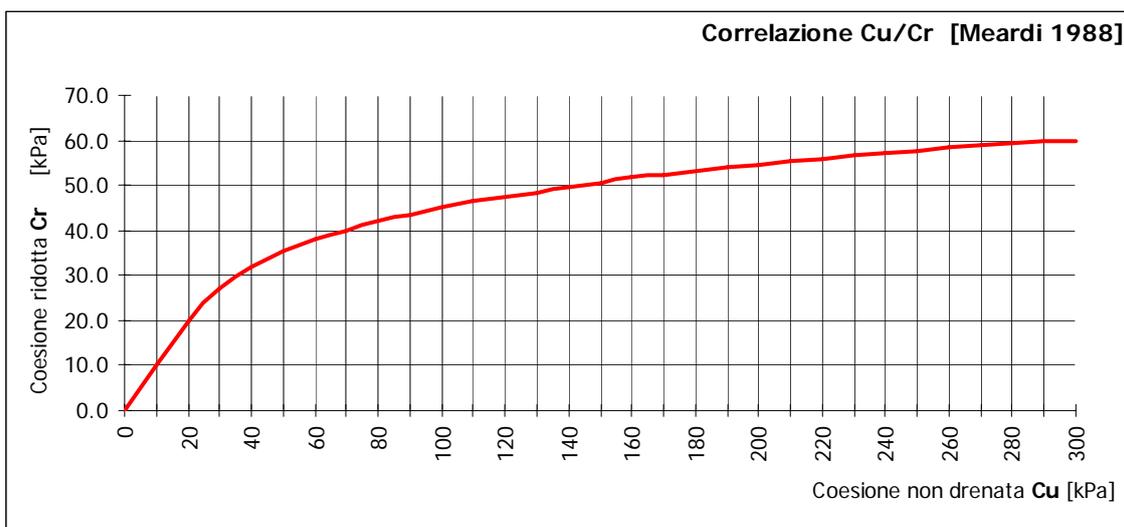
$$P_L = \sum f_{si} \cdot A_L \cdot C_s$$

condotto secondo quanto espresso da Reese (1976), ove il coefficiente di attrito dello strato i-esimo è dato dalla formula:

$$f_s = \alpha \cdot C + p'_0 \cdot K \cdot \tan \delta$$

Il valore di p'_0 segnato corrisponde alla pressione litostatica efficace media in corrispondenza dello strato i-esimo, indicata sotto come σ'_{vz} .

Il valore del coefficiente di riduzione dell'adesione α è assunto plafonato a 0.2; la coesione ridotta C_r è ricavata quindi tramite la correlazione di Meardi con la coesione non drenata C_u rappresentata nel grafico:



Il coefficiente K è ricavabile da una semplice tabella proposta da Reese in cui K assume valori compresi tra 0.5 e 0.7 in funzione della profondità dello strato.

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE
PASSAGGIO A LIVELLO SULLA S.S. N.234**

Parametri geometrici

Diametro palo	D =	1200	[mm]	Peso palo		633.3	[kN]
Area laterale palo	A _L =	3.8	[m/m]	Lunghezza perforazione	L _p =	35.0	[m]
Area sezione palo	A _L =	1.13	[m ²]	Lunghezza netta palo	L =	35.0	[m]
Perforazione a vuoto	H _v =	0.0	[m]				
Profondità falda da p.c.	H _F =	3.5	[m]	Carico verticale massimo	N _{max} =	3820.0	[kN]
Combinazione		2	Approccio 1 Combinazione 2				
Coeff. Parziale Per portata laterale	γ _s =	1.45					
Coeff. Parziale Per portata di punta	γ _s =	1.70					
Fattore di correlazione	♦ =	1.7					
Cedimento ammissibile	S _b =	35.0	[mm]				

Portata laterale [Reese 1976, Meardi 1988]

	Spess. strato	Fondo strato	♦	♦	♦'vz	C _u	C _r	φ'	K	f' _{si}	f'' _{si}	f _{si}
	[m]	[m]	[kN/m ³]	[kN/m ³]	[kPa]	[kPa]	[kPa]	[°]		[kN/m]	[kN/m]	[kN/m]
16												
1	6.0	6.0	19.00	9.00	89.0		0.00	35	0.70	169.44	0	169.44
2	3.0	9.0	19.00	9.00	116.0		0.00	25	0.60	68.83	0	68.83
3	26.0	35.0	19.00	9.00	350.0		0.00	35	0.50	1696.74	0	1696.74
4		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
5		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
6		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
7		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
8		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
9		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
10		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
11		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
12		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
13		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
14		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
15		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
16		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
17		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
18		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00

Portata totale laterale P_L = 5030.91 [kN]**Portata alla punta [Meyerof 1976]**

$$P_{pu} = A_p \cdot [c \cdot N'_c + \eta \cdot \bar{q} \cdot (N'_q - 1)]$$

Strato alla punta	n° =	3
Terreno di tipo non coesivo		3
Angolo di attrito corrisp.	φ' =	29 [°]
	k =	1.000
	K _p =	2.882
Rapporto di profondità effettivo	L/D =	29.2
Rapporto per def tabella Meyerof		16
Rapporto di profondità critico	L _c /D =	5.39
	N _q =	22.805806
	N _c =	41.07135
	N _q /N _c =	0.5552729
	N [*] _q =	51.517242
	N [*] _c =	82.078787
	S [*] _q =	1.5543091
	S [*] _c =	1.5552729
	d [*] _q =	1.5711494
	d [*] _c =	1.4
	N [*] _q =	51.52
	N [*] _c =	82.08
Pressione limite	q =	50.00 [kPa]

Portata totale alla punta P_p = 1680.40 [kN]**Portata alla punta [Berezantezev 1965,1970]
[Jamiołkowski 1983]**

Strato alla punta	n° =	3
Terreno di tipo non coesivo		FALSO
Angolo di attrito corrisp.	φ' =	29 [°]
	N [*] _q =	7.8526595
Pressione critica per L=Lc	♦ _v =	350.00 [kPa]
Cedimento critico	S _{cr} =	60.00 [mm]
Pressione critica per S _b = 0.05D	q _{cr} =	2748.4 [kPa]
Rapporto di cedimento effettivo	S _b /B =	0.03
Fattore di riduzione	q/q _{cr} =	0.76
Pressione limite	q _b =	2099.08 [kPa]

Portata totale alla punta P_p = 1396.48 [kN]**Verifiche**

Portata totale complessiva P = 3947.83 [kN] 3780.82 [kN]
1.03 0.99

8.3 Verifica a pressoflessione

Si riportano di seguito i risultati del calcolo di verifica a pressoflessione della sezione:

Titolo : Pali di fondazione VI 04

Sezione circolare cava

Raggio esterno: 600 [mm]
 Raggio interno: 0 [mm]
 N° barre uguali: 20
 Diametro barre: 20 [mm]
 Copriferro (baric.): 80 [mm]

N° barre: 1 Zoom

N°	As [mm ²]	x [mm]	y [mm]
1	314	400	0

Tipo Sezione
 Rettan.re Trapezi
 a T Circolare
 Rettangoli Coord.

Sollecitazioni
 S.L.U. → Metodo n
 ←

N_{Sd}: 3820 0 kN
 M_{xSd}: 1420 0 kNm
 M_{ySd}: 0 0

P.to applicazione N
 Centro Baricentro cls
 Coord.[mm] xN: 0 yN: 0

Tipo rottura
 Lato calcestruzzo - Acciaio snervato

Metodo di calcolo
 S.L.U.+ S.L.U.-
 Metodo n

Tipo flessione
 Retta Deviata

Vertici: 50 N° rett.: 100
 Calcola MRd Dominio M-N
 L_o: 0 mm Col. modello

Precompresso

Materiali

FeB44k C25/30
 ε_{su} : 10 ‰ ε_{cu} : 3.5
 f_{yd} : 373.9 N/mm² f_{cd} : 15.63
 E_s : 200'000 N/mm² α : 0.85 ?
 E_s/E_c : 15 f_{cc}/f_{cd} : 0.8 ?
 ε_{syd} : 1.870 ‰ $\sigma_{c,adm}$: 9.75
 $\sigma_{s,adm}$: 255 N/mm² τ_{co} : 0.6
 τ_{c1} : 1.829

M_{xRd}: 2'262 kN m
 σ_c : -13.29 N/mm²
 σ_s : 373.9 N/mm²
 ε_c : 3.500 ‰
 ε_s : 4.643 ‰
 d: 1'120 mm
 x: 481.4 x/d: 0.4298
 δ : 0.9773

8.4 Verifica a taglio

Sollecitazioni:

$$V_u = 510.00 \text{ kN}$$

Si esegue la verifica con:

$$H = 10.51 \text{ m}, \text{ larghezza reagente a taglio, } B = 10.51 \text{ m}, c = 80 \text{ mm}$$

$$\text{Area staffe, } A_{st} = 4127.27 \text{ mm}^2, (1\varnothing 10 \text{ passo } 20 \text{ cm})$$

Risultati:

$$\text{Resistenza limite a taglio per sezioni non armate, } V_{lim} = 50101.78 \text{ kN} > V_u$$

Armatura a taglio NON necessaria

$$\text{Resistenza limite biella compressa, } V_{cdc} = 435017.34 \text{ kN}$$

$$\text{Resistenza limite taglio trazione, } V_{wd} + V_{cd} = 201023.00 \text{ kN}$$

$$\text{Entrambe} > V_u$$

9. IMPALCATO STRADALE

9.1 Modalità di costruzione dell'impalcato

L'impalcato viene realizzato con travi prefabbricate in c.a.p. e getto in opera di traversi e soletta collaboranti.

Le travi sono autoportanti, non necessitano quindi di alcun rompitratta o puntellamento provvisorio durante l'esecuzione dell'impalcato.

Si distinguono due fasi successive di lavoro:

Prima fase : Le travi semplicemente appoggiate agli estremi resistono da sole al peso proprio ed a quello della soletta gettata in opera.

Seconda fase: Il sistema misto travi precomprese e soletta gettata in opera, divenuto solidale dopo la maturazione del calcestruzzo, resiste al peso delle sovrastrutture e dei carichi accidentali.

9.2 Modalità di costruzione delle travi

Le travi vengono costruite in uno stabilimento di prefabbricazione e successivamente trasportate a pie' d'opera e varate. Il sistema di precompressione e' del tipo a fili aderenti.

I trefoli che costituiscono l'armatura di precompressione vengono tesati sino alla tensione σ_{spi} prevista nella presente relazione.

Disposta l'armatura lenta per gli sforzi di taglio (staffe), ultimata la tesatura e fissata la casseratura, si procede al getto del calcestruzzo.

La maturazione del calcestruzzo avviene con ciclo termico a vapore opportunamente tarato in funzione del mix-design e della resistenza R_{ckj} che e' richiesta al momento del taglio dei trefoli. Una volta raggiunta la resistenza R_{ckj} si procede all'allentamento delle armature di precompressione ed allo stoccaggio del manufatto.

9.3 Dati geometrici dell'impalcato

Luce di calcolo	3160.000cm
Larghezza cordolo sinistro	150.000cm
Larghezza carreggiata	2025.000cm
Larghezza cordolo destro	100.000cm
Larghezza fuori tutto	2275.000cm
Tipo travi	V160
Larghezza sezione	250cm
Numero travi	6
Interasse travi	310.000cm
Eccentricita' travi-soletta	0.000
Spessore medio soletta	55.000cm
Spessore minimo soletta	36.000cm
Luce di calcolo soletta	310.000cm
Spessore medio cordoli	15.000cm
Spessore pavimentazione	10.000cm

9.4 Caratteristiche dei materiali

9.4.1 Calcestruzzo per le travi prefabbricate:

Confezionato con 400 kg/mc di cemento Portland e con inerte vagliato e lavato proveniente da cava.

Modulo Elastico calcestruzzo	= 42213.7(N/mm ²)
Resistenza cubica del calcestruzzo: in esercizio	$R_{ck} = 55.00(N/mm^2)$ $\sigma_{adm} \text{ comp.} = 205.03$
	$\sigma_{adm} \text{ traz.} = -16.19$
(con arm. sussidiaria)	$\sigma_{adm} \text{ traz.} = -32.37$

Rckj al taglio trefoli	= 39.25(N/mm ²)
al taglio dei trefoli	$\sigma_{adm} \text{ comp.} = 188.35$
	$\sigma_{adm} \text{ traz.} = -15.70$
(con arm. sussidiaria)	$\sigma_{adm} \text{ traz.} = -31.39$

9.4.2 Calcestruzzo per il getto integrativo (soletta e traversi):

Rck a tempo infinito ≥ 35 MPa	
in esercizio	$\sigma_{adm} \text{ comp.} = 107.91$

9.4.3 Acciaio per c.a.p.:

L'acciaio usato per la precompressione delle travi e' trefolo da 6/10" stabilizzato.

Modulo Elastico acciaio preteso aderente	= 195000.0(N/mm ²)
carico a rottura	$f_{ptk} \geq 1863.90 \text{ N/mm}^2$
carico caratteristico all'1%	$f_{p(0.1)k} \geq 1667.70 \text{ N/mm}^2$
alla tesatura	$\sigma_{spi} = \min(0.8 f_{ptk}, 0.9 f_{p(0.1)k}) = 1491.12 \text{ N/mm}^2$
cadute di tensione per rilassamento a 1000 ore	$\rho_{1000} = 2.50 \%$

9.4.4 Acciaio FeB44K

Questo tipo di acciaio costituisce l'armatura per assorbire gli sforzi di taglio nella trave, gli sforzi di aderenza tra la trave prefabbricata e la soletta gettata in opera ed altri sforzi locali di trazione nei manufatti.

Costituisce inoltre l'armatura della soletta e dei traversi.

9.5 Metodo e ipotesi di calcolo

Per valutare lo stato di sollecitazione della trave distingueremo le seguenti fasi :

FASE 1

- la sezione resistente è costituita dalla trave isolata (profilo di 1° fase);
- i carichi esterni sono costituiti dal peso proprio della trave;
- lo sforzo di precompressione ha il suo valore massimo.

1° QUOTA DI CADUTA DI TENSIONE

lo sforzo di precompressione si riduce per l'intervento della 1^ quota di caduta di tensione costituita da:

- o caduta di tensione da ritiro acciaio aderente 30%
- o caduta di tensione da fluage acciaio aderente 50%
- o caduta di tensione da rilassamento acciaio aderente 100%

FASE 2

- la sezione resistente è costituita dalla trave isolata (profilo di 1° fase);
- i carichi esterni sono costituiti dal peso proprio della trave incrementati del peso della soletta;

2° QUOTA DI CADUTA DI TENSIONE

lo sforzo di precompressione si riduce per l'intervento della 2^ quota di caduta di tensione costituita da:

- o caduta di tensione da ritiro acciaio aderente 60%
- o caduta di tensione da fluage acciaio aderente 50%
- o caduta di tensione da rilassamento acciaio aderente 0%

FASE 3

- la sezione resistente è costituita dalla trave + soletta (profilo di 2° fase);
- i carichi esterni si incrementano del peso dei carichi permanenti portati;

3° QUOTA DI CADUTA DI TENSIONE

lo sforzo di precompressione si riduce per l'intervento della 3^ quota di caduta di tensione costituita da:

- o caduta di tensione da ritiro acciaio aderente 10%
- o caduta di tensione da fluage acciaio aderente 0%
- o caduta di tensione da rilassamento acciaio aderente 0%

FASE 4

- la sezione resistente è costituita dalla trave + soletta;
- i carichi esterni si incrementano per la presenza dei carichi accidentali.

FASE 5

- la sezione resistente è costituita dalla trave + soletta;
- i carichi esterni si incrementano dei coefficienti parziali relativi allo Stato Limite Ultimo .

9.6 Risoluzione del sistema elastico e sollecitazioni

Si distinguono due macrofasi:

- macrofase 1 in cui la sezione reagente è costituita dalla sola trave (comprende le fasi 1 e 2); in questo caso i carichi vengono applicati alla trave isolata di competenza nello schema statico di trave semplicemente appoggiata.

- macrofase 2 in cui la sezione reagente è costituita dalla trave+soletta; in questo caso il calcolo della ripartizione dei carichi permanenti portati e dei carichi mobili viene esaminato con un reticolo del tipo *Grid Frame*.

L'impalcato è schematizzato come un grigliato piano costituito da aste rappresentanti:

1. travi principali (colore rosso)
2. trasversi (colore marrone)
3. campi di soletta (colore verde)
4. aste fittizie trasversali (colore magenta)
5. aste fittizie longitudinali (colore ciano)
6. aste fittizie trasversali in mezzzeria (colore giallo)

Gli elementi tipo beam rappresentanti le travi principali e i trasversi sono stati imputati con le reali caratteristiche geometriche.

Gli elementi tipo 3 sono aste fittizie necessarie all'introduzione dei carichi permanenti portati e accidentali da traffico uniformemente distribuiti.

Gli elementi tipo 4 e 5 sono aste fittizie necessarie al fine di schematizzare il reale ingombro delle travi principali.

In particolare gli elementi tipo 4 sono a inerzia flessionale infinita, mentre gli elementi tipo 5 sono a inerzia flessionale nulla.

Il programma di calcolo è: "ProSAP ver. 5.00.00"

Si riportano nel seguito gli schemi dei modelli adottati ed i valori delle sollecitazioni risultanti.

MACROFASE 1

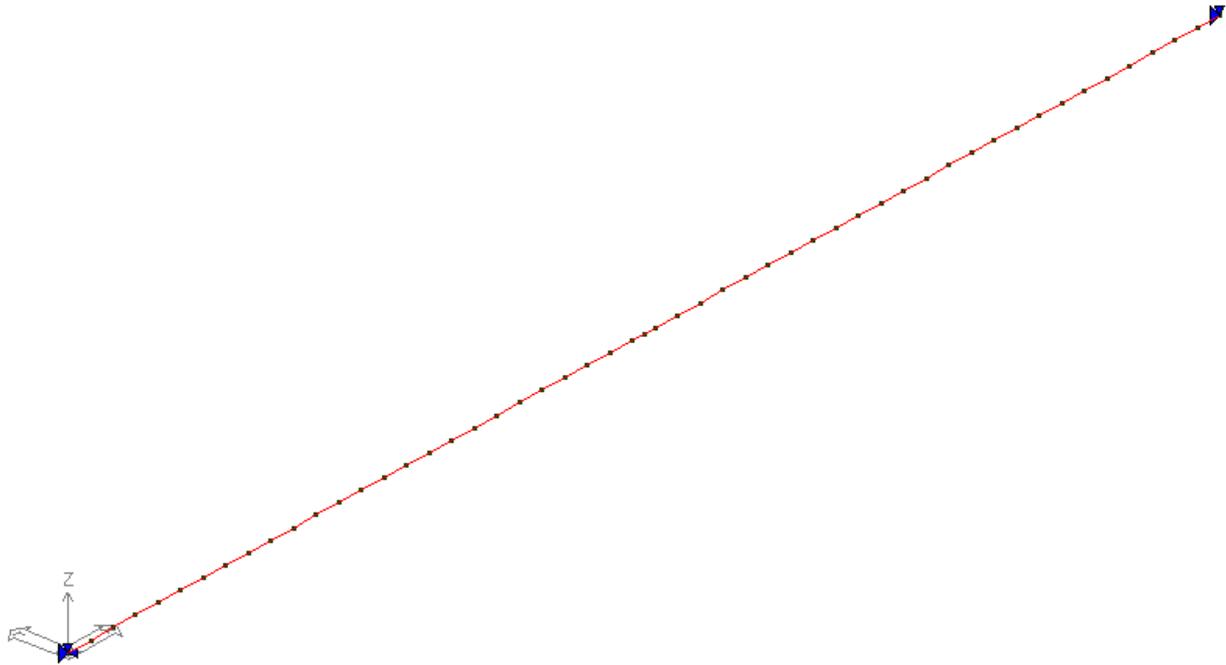


fig. 9.6.1 Schema unifilare

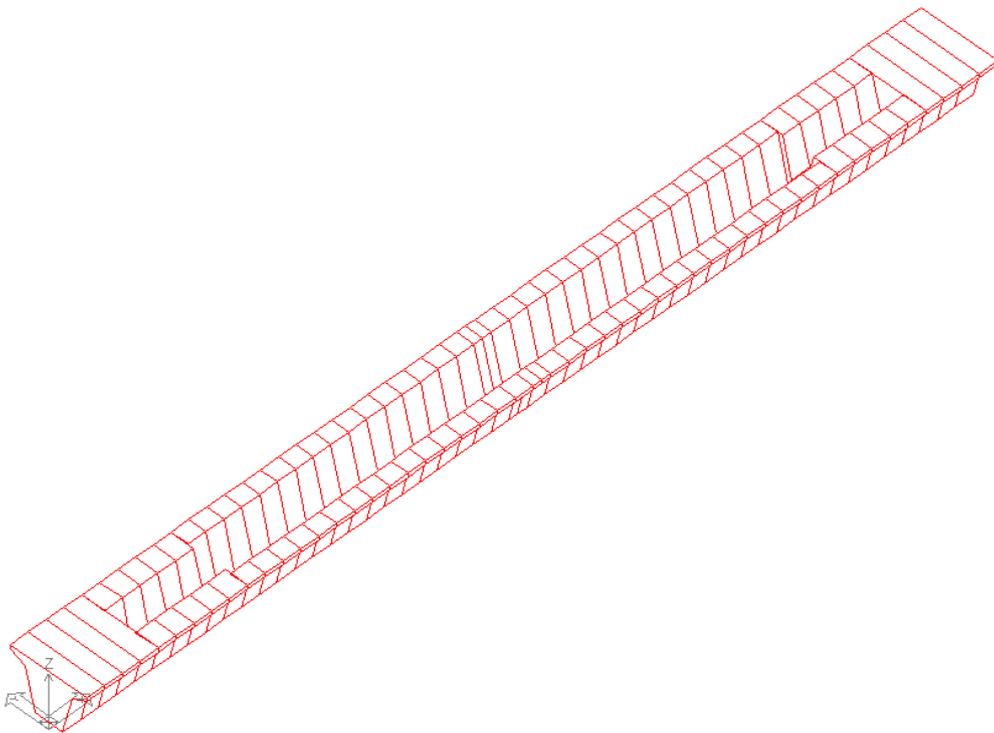


fig. 9.6.2 Vista tridimensionale della trave

MACROFASE 2

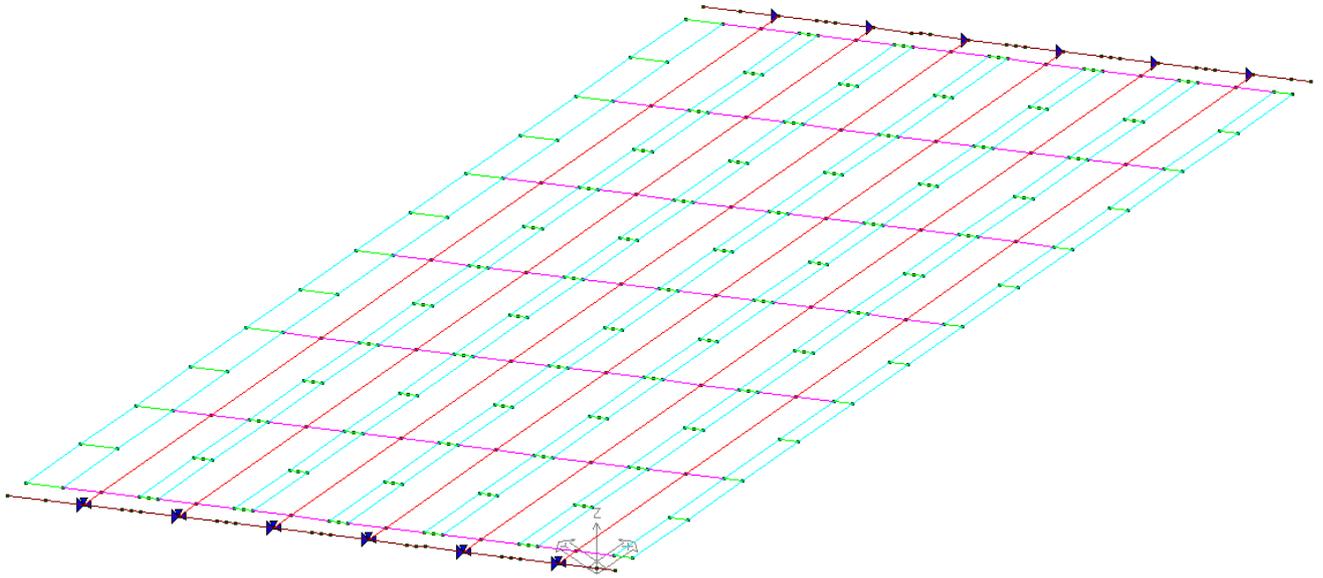


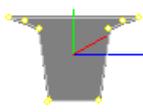
fig. 9.6.3 Modello tipo *Grid Frame* dell'impalcato

9.7 Sezioni

MACROFASE 1

- Sezione di appoggio

Sezioni generiche		Profili semplici		Profili accoppiati	
Dati sezione		Amatura trasversale		Amatura longitudinale	
A	20734.567	J 2-2	36537161.8	J 3-3	46606743.5
A V2	0.0	W 2-2	292286.822	W 3-3	518300.027
A V3	0.0	Wp 2-2	350744.187	Wp 3-3	621960.033
Jt	55576277.9	Altezza	160.0	Base	250.0
%R A	100	%R Jt	100		
Analisi resistenza al fuoco					
Unita' in cm					
V160_APPOGGIO					



Usa per acciaio-legno

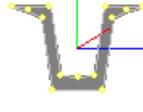
Copia Incolla

Annulla Esci

Applica 5

- Sezione di transizione

Sezioni generiche		Profili semplici		Profili accoppiati	
Dati sezione		Amatura trasversale		Amatura longitudinale	
A	10787.697	J 2-2	31368441.3	J 3-3	30759955.1
A V2	0.0	W 2-2	250939.49	W 3-3	384004.097
A V3	0.0	Wp 2-2	301127.388	Wp 3-3	460804.916
Jt	5449602.46	Altezza	160.0	Base	250.0
%R A	100	%R Jt	100		
Analisi resistenza al fuoco					
Unita' in cm					
V160_TRANSIZIONE					



Usa per acciaio-legno

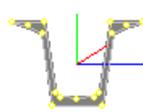
Copia Incolla

Annulla Esci

Applica 6

- Sezione in mezzeria

Sezioni generiche		Profili semplici		Profili accoppiati	
Dati sezione		Amatura trasversale		Amatura longitudinale	
A	7459.517	J 2-2	26030518.8	J 3-3	24374272.0
A V2	0.0	W 2-2	208223.422	W 3-3	304597.384
A V3	0.0	Wp 2-2	249868.107	Wp 3-3	365516.86
Jt	1535716.28	Altezza	160.0	Base	250.0
%R A	100	%R Jt	100		
Analisi resistenza al fuoco					
Unita' in cm					
V160_MEZZERIA					



Usa per acciaio-legno

Copia Incolla

Annulla Esci

Applica 7

MACROFASE 2

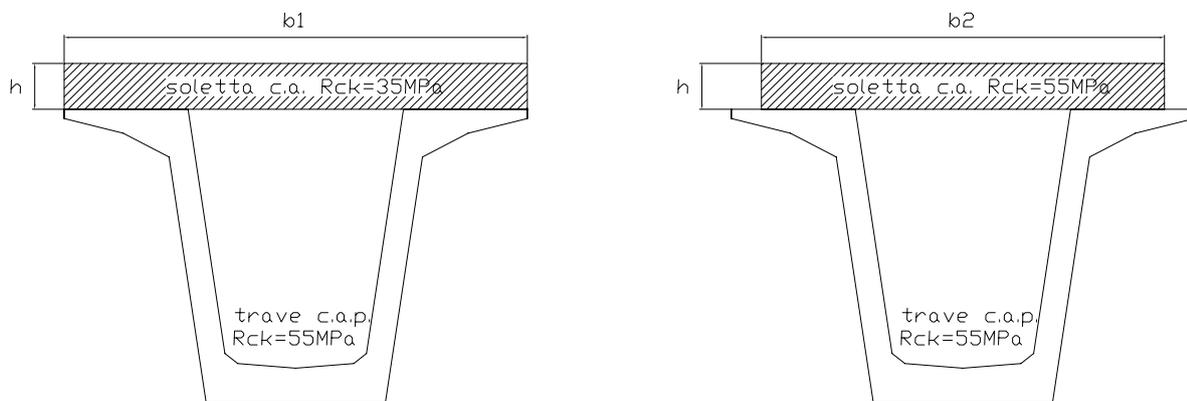
- Sezione trave + soletta

Nel calcolo delle caratteristiche inerziali delle aste si tiene conto del differente modulo di elasticità dei calcestruzzi della trave e del getto in opera. A tal fine si procede riducendo le aree del getto in opera di un fattore n_c pari al rapporto tra i moduli elastici.

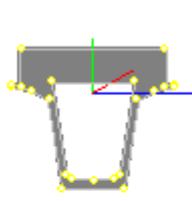
$$E_{cm} = 22000 \cdot \sqrt[3]{\frac{f_{cm}}{10}} \quad f_{cm} = f_{ck} + 8 \quad f_{ck} = 0.83R_{ck}$$

$$b_2 = b_1 \frac{E_1}{E_2} = b_1 \sqrt[3]{\frac{(0.83R_{ck1} + 8)}{(0.83R_{ck2} + 8)}}$$

Il coefficiente n_c vale pertanto 0.8839.



Sezioni generiche		Profili semplici		Profili accoppiati	
Dati sezione		Armatura trasversale		Armatura longitudinale	
A	19614.477	J 2-2	75502345.2	J 3-3	80879009.3
A V2	0.0	W 2-2	603996.2	W 3-3	551663.629
A V3	0.0	Wp 2-2	724795.441	Wp 3-3	661996.355
Jt	23662572.3	Altezza	215.0	Base	250.0
%R A	100	%R Jt	100		
Analisi resistenza al fuoco					
Unita' in cm					
Poligonale cava					



Usa per acciaio-legno

Copia Incolla

Annulla Esci

Applica 1 | ▾

9.8 Analisi dei carichi

9.8.1 Carichi permanenti

9.8.1.1 Carichi permanenti in 1a fase

Peso delle travi:

Sezione corrente	$0.7459 \cdot 25$	=	18.65 kN/m
Incidenza testate	$(2.0734 \cdot 2.00 + 1.0787 \cdot 2.00) \cdot 25$	=	157.61 kN/cad
Peso soletta in 1a fase e traversi:			
Peso soletta	$3.10 \cdot 0.55 \cdot 25$	=	42.63 kN/m/trave
Peso trasverso di testata	$1.40 \cdot 0.40 \cdot 25$	=	14.00 kN/ trave/cad

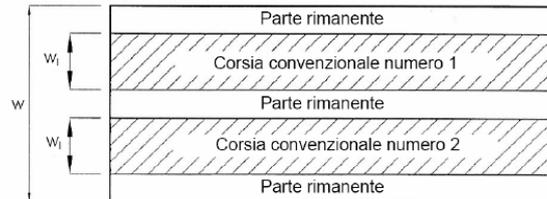
9.8.1.2 Carichi permanenti portati in 2a fase

Parapetto e sicurvia a sn	$0.60 + 1.30$	=	1.90 kN/m
Marciapiede a sn	$0.4064 \cdot 2.5$	=	10.16 kN/m
Marciapiede a dx	$0.8958 \cdot 2.5$	=	22.40 kN/m
Parapetto e sicurvia a dx	$0.60 + 1.30$	=	1.90 kN/m
		Totale =	<u>36.36</u> kN/m
Pavimentazione carreggiata	$0.10 \cdot 4.30$	=	4.30 kN/m ²

9.8.2 Carichi variabili in esercizio

9.8.2.1 Azione dei carichi da traffico

I carichi variabili da traffico sono definiti dagli Schemi di Carico descritti nel § 5.1.3.3.3 delle NTC2008, disposti su corsie convenzionali.

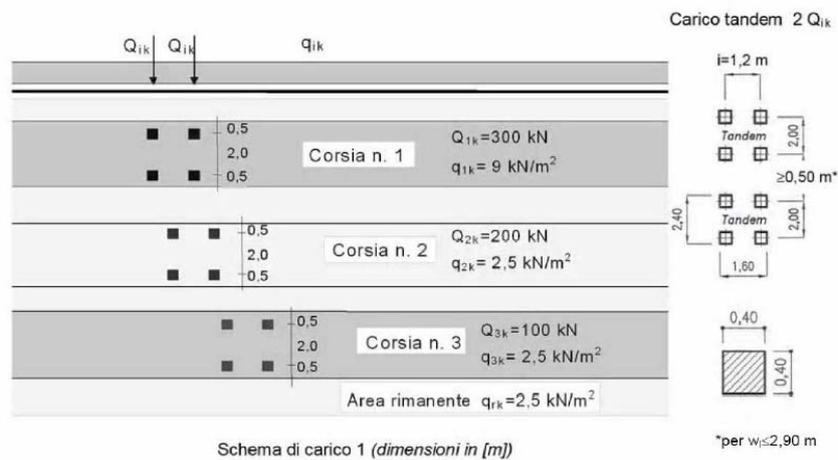


Le larghezze w_i delle corsie convenzionali su una carreggiata ed il massimo numero (intero) possibile di tali corsie su di essa sono date dalla relazione:

$$n_i = \text{Int}(w/3)$$

In accordo da quanto previsto in normativa, essendo la carreggiata dell' impalcato da ponte divisa in due parti separate da una barriera di sicurezza fissa, ciascuna parte, incluse tutte le corsie di emergenza e le banchine, è autonomamente divisa in corsie convenzionali.

Le azioni variabili del traffico, comprensive degli effetti dinamici, sono state definite adottando uno lo schema di carico 1 (§ 5.1.3.3.5 delle NTC2008), costituito da carichi concentrati su due assi in tandem, applicati su impronte di pneumatico di forma quadrata e lato 0,40 m, e da carichi uniformemente distribuiti come mostrato in Fig. 5.1.2.



Nel caso in esame si è considerato il carico tandem distribuito uniformemente sulla larghezza della corsia standard ($Q'_{ik}=Q_{ik}/w$), ovvero si sono considerati i seguenti carichi:

CORSIA	CARICO TANDEM	CARICO DISTRIBUITO SULLA LARGHEZZA	CARICO DISTRIBUITO SULLA SUPERFICIE
1	$Q_{1K} = 2 \times 300\text{kN}$	$Q'_{1K} = 600\text{kN}/3\text{m}=200\text{kN/m}$	$q_{1k} = 9\text{kN/m}^2$
2	$Q_{2K} = 2 \times 200\text{kN}$	$Q'_{2K} = 400\text{kN}/3\text{m}=66.67\text{kN/m}$	$q_{2k} = 2.5\text{kN/m}^2$
3	$Q_{3K} = 2 \times 100\text{kN}$	$Q'_{3K} = 200\text{kN}/3\text{m}=33.33\text{kN/m}$	$q_{3k} = 2.5\text{kN/m}^2$
4	$Q_{4K} = 0\text{kN}$	$Q'_{4K} = 0\text{kN}$	$q_{4k} = 2.5\text{kN/m}^2$

9.8.2.2 Azione longitudinale di frenamento

La forza di frenamento o di accelerazione q_3 è funzione del carico verticale totale agente sulla corsia convenzionale n. 1 (cfr. 5.1.3.5 NTC2008) ed è uguale a:

$$180\text{kN} \leq q_3 = 0.6 \cdot (2Q_{1k}) + 0.10 \cdot q_{1k} \cdot w_l \cdot L \leq 900\text{kN}$$

per i ponti di 1a categoria essendo w_l la larghezza della corsia e L la lunghezza della zona caricata.

La forza, applicata a livello della pavimentazione ed agente lungo l'asse della corsia, è assunta uniformemente distribuita sulla lunghezza caricata e include gli effetti di interazione.

Si assume $q_3 = 35\text{kN/m}$.

9.8.3 Tensioni iniziali nel calcestruzzo

All'atto della precompressione le tensioni di compressione non debbono superare il valore:

$$\sigma_c < 0,70 f_{ckj}$$

essendo f_{ckj} la resistenza caratteristica del calcestruzzo all'atto del tiro.

Nella zona di ancoraggio delle armature si possono tollerare compressioni locali c e s prodotte dagli apparecchi di ancoraggio pari a:

$$\sigma_c < 0,90 f_{ckj}$$

9.8.4 Caduta di tensione per ritiro del calcestruzzo

La deformazione totale da ritiro si può esprimere come:

$$\varepsilon_{cs} = \varepsilon_{cd} + \varepsilon_{ca}$$

dove:

ε_{cs} è la deformazione totale per ritiro

ε_{cd} è la deformazione per ritiro da essiccamento

ε_{ca} è la deformazione per ritiro autogeno.

Il valore medio a tempo infinito della deformazione per ritiro da essiccamento :

$$\varepsilon_{cd,\infty} = k_h \cdot \varepsilon_{c0}$$

può essere valutato mediante i valori delle seguenti tabelle in funzione della resistenza caratteristica a compressione, dell'umidità relativa e del parametro h_0 :

Valori di ε_{c0} :

f_{ck}	Deformazione da ritiro per essiccamento (in ‰)					
	Umidità Relativa (in ‰)					
	20	40	60	80	90	100
20	-0,62	-0,58	-0,49	-0,30	-0,17	+0,00
40	-0,48	-0,46	-0,38	-0,24	-0,13	+0,00
60	-0,38	-0,36	-0,30	-0,19	-0,10	+0,00
80	-0,30	-0,28	-0,24	-0,15	-0,07	+0,00

Valori di h_0 :

h_0 (mm)	k_h
100	1,0
200	0,85

Lo sviluppo nel tempo della deformazione ε_{cd} può essere valutato come:

$$\varepsilon_{cd}(t) = \beta_{ds}(t - t_s) \cdot \varepsilon_{cd,\infty}$$

dove la funzione di sviluppo temporale assume la forma:

$$\beta_{ds}(t - t_s) = (t - t_s) / \left[(t - t_s) + 0.04h_0^{3/2} \right]$$

in cui:

t è l'età del calcestruzzo nel momento considerato (in giorni)

t_s è l'età del calcestruzzo a partire dalla quale si considera l'effetto del ritiro da essiccamento (normalmente il termine della maturazione, espresso in giorni).

h_0 è la dimensione fittizia (in mm) pari al rapporto $2A_c / u$ essendo

A_c è l'area della sezione in calcestruzzo

u è il perimetro della sezione in calcestruzzo esposto all'aria.

Nel nostro caso si assume che la maturazione delle travi avvenga in stabilimento in ambiente saturo di vapore, per cui $U_R=100\%$ e quindi $\varepsilon_{c0}=0$.

Il valore medio a tempo infinito della deformazione per ritiro autogeno può essere valutato mediante l'espressione:

$$\varepsilon_{ca,\infty} = -2.5 \cdot (f_{ck} - 10) \cdot 10^{-6}$$

con f_{ck} espresso in N/mm^2 .

La caduta di tensione nell'acciaio, dovuta agli effetti del ritiro vale quindi:

$$\Delta\sigma_{rit} = \varepsilon_{cs} \cdot E_p$$

9.8.5 Viscosità

In sede di progettazione, se lo stato tensionale del calcestruzzo, al tempo $t_0 = j$ di messa in carico, non è superiore a $0,45 \cdot f_{ckj}$, il coefficiente di viscosità $\varphi(\infty, t_0)$, a tempo infinito, a meno di valutazioni più precise può essere dedotto dalle seguenti tabelle:

t_0	$h_0 \leq 75 \text{ mm}$	$h_0 = 150$	$h_0 = 300$	$h_0 \geq 600$
3 giorni	3,5	3,2	3,0	2,8
7 giorni	2,9	2,7	2,5	2,3
15 giorni	2,6	2,4	2,2	2,1
30 giorni	2,3	2,1	1,9	1,8
≥ 60 giorni	2,0	1,8	1,7	1,6

Quindi la tensione dovuta alla viscosità è data da:

$$\Delta\sigma_{af} = \varphi(t, t_0) \cdot \sigma_{c,Qp} \cdot \frac{E_p}{E_{cm}}$$

dove:

$\varphi(t, t_0)$ = coefficiente di viscosità al tempo t riferito a carichi applicati al tempo t_0 ;

$\sigma_{c,Qp}$ = tensione nel calcestruzzo dovuta al peso proprio, alla precompressione iniziale e ad altre azioni permanenti;

E_p = modulo di elasticità delle armature di precompressione;

E_{cm} = modulo di elasticità del calcestruzzo

9.8.6 Tensioni limite per gli acciai da precompressione

Le tensioni iniziali all'atto della tesatura dei cavi devono rispettare le più restrittive delle seguenti limitazioni:

$$\sigma_{spi} < 0,90 f_{p(0,1)k}$$

$$\sigma_{spi} < 0,80 f_{ptk} \text{ per armatura pre-tesa}$$

9.8.7 Cadute di tensione per rilassamento

La caduta di tensione $\Delta\sigma_{pr}$ per rilassamento al tempo t ad una temperatura di 20 °C può assumersi pari ai valori calcolato con la seguente formula

$$\Delta\sigma_{pr}/\sigma_{pi} = 5,39 \rho_{1000} e^{6,7\mu} (t/1000)^{0,75(1-\mu)} 10^{-5} \quad \text{per Classe 1}$$

$$\Delta\sigma_{pr}/\sigma_{pi} = 0,66 \rho_{1000} e^{9,1\mu} (t/1000)^{0,75(1-\mu)} 10^{-5} \quad \text{per Classe 2}$$

$$\Delta\sigma_{pr}/\sigma_{pi} = 1,98 \rho_{1000} e^{8,0\mu} (t/1000)^{0,75(1-\mu)} 10^{-5} \quad \text{per Classe 3}$$

dove:

σ_{pi} è la tensione iniziale nel cavo;

ρ_{1000} è la perdita per rilassamento (in percentuale) a 1000 ore dopo la messa in tensione, a 20 °C e a partire da una tensione iniziale pari a 0,7 della resistenza f_p del campione provato;

$$\mu = \sigma_{pi}/f_{pk};$$

f_{pk} è la resistenza caratteristica dell'acciaio da precompressione;

t è il tempo misurato in ore dalla messa in tensione.

Le prime due espressioni si applicano, rispettivamente, ai fili, trecce e trefoli a normale rilassamento ed a basso rilassamento. La terza espressione si applica alle barre laminata a caldo.

In mancanza di specifica sperimentazione, i valori di ρ_{1000} possono essere tratti dalla seguente tabella:

Classe di armatura	ρ_{1000}
Classe 1 – Trecce, filo o trefolo ordinario	8,0
Classe 2 – Trecce, filo o trefolo stabilizzato	2,5
Classe 3 – Barra laminata	4,0

Nel caso in esame si assumono trefoli a basso rilassamento, per cui si utilizza la relazione:

$$\Delta\sigma_{pr} / \sigma_{pi} = 1,98 \cdot \rho_{1000} \cdot e^{0,8\mu} \cdot \left(\frac{t}{1000}\right)^{0,75(1-\mu)} \cdot 10^{-5}$$

con $\rho_{1000}=2,5\%$.

La caduta finale per rilassamento viene valutata con le formule sopra scritte per un tempo $t = 500000$ ore.

9.8.8 Ritiro differenziale fra trave e soletta

Per effetto del ritiro della soletta si genera uno stato di coazione che si manifesta attraverso una forza N_r . Tale forza viene applicata in asse soletta e comporta una tensione di trazione uniforme nella soletta e una tensione di compressione eccentrica nella sezione completa trave+soletta.

Il valore della forza N_r si ricava dalla :

$$N_r = \frac{\varepsilon_r \cdot A_s \cdot E_s}{1 + \alpha \cdot \varphi}$$

dove:

$\varepsilon_r = 0.1\%$ = ritiro differenziale

$A_s = B_s \cdot H_s$ = sezione trasversale della soletta

$E_s = 18000 \cdot \sqrt{R_{cks}}$ = modulo elastico soletta

$\alpha = 0.80$ = coefficiente di invecchiamento

$\varphi = 3$ = coefficiente di viscosità soletta (fluage soletta)

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9.9 Sollecitazioni sulle travi prefabbricate

Le sollecitazioni di calcolo per la verifica delle travi dell'impalcato sono state ottenute per ciascuna delle fasi indicate al paragrafo §9.5, applicando i coefficienti parziali riportati nella tabella seguente:

Combinazione di carico	Carichi permanenti		Carichi permanenti non strutturali	Carichi variabili
	peso trave	peso soletta		
Fase 1	1.00	0.00	0.00	0.00
Fase 2	1.00	1.00	0.00	0.00
Fase 3	1.00	1.00	1.00	0.00
Fase 4	1.00	1.00	1.00	1.00
Fase 5	1.35	1.35	1.50	1.35

Si sono così ottenute le sollecitazioni riportate nella tabella seguente:

BREMBIOLO 3 V160	M (kNm)		N (kN)		V (kN)		T (kNm)	
	appoggio	mezzeria	appoggio	mezzeria	appoggio	mezzeria	appoggio	mezzeria
Fase 1	0	2524.48	0	0	399.78	0	0	0
Fase 2	0	3721.47	0	0	489.8	0	0	0
Fase 3	-6.86	926.36	0	0	135.84	-19.19	20.34	77.63
Fase 4	-68.3	3244.21	35.41	-11.35	414.39	-194.06	248.85	231.03
Fase 5	-102.50	14201.26	47.80	-15.32	1964.12	-290.77	366.4575	428.3355

9.10 Verifica della trave prefabbricata

9.10.1 Caratteristiche geometriche della sezione trasversale

Sezione descritta per punti

Coordinate dei vertici della sezione

Vertice 1:	X = 0.000 (cm)	Y = 174.322 (cm)	
Vertice 2:	X = 0.000 (cm)	Y = 169.295 (cm)	
Vertice 3:	X = 31.893 (cm)	Y = 161.322 (cm)	
Vertice 4:	X = 56.593 (cm)	Y = 148.322 (cm)	
Vertice 5:	X = 76.693 (cm)	Y = 14.322 (cm)	
Vertice 6:	X = 125.000 (cm)	Y = 14.322 (cm)	
Vertice 7:	X = 173.307 (cm)	Y = 14.322 (cm)	
Vertice 8:	X = 193.407 (cm)	Y = 148.322 (cm)	
Vertice 9:	X = 218.107 (cm)	Y = 161.322 (cm)	
Vertice 10:	X = 250.000 (cm)	Y = 169.295 (cm)	
Vertice 11:	X = 250.000 (cm)	Y = 174.322 (cm)	
Vertice 12:	X = 183.150 (cm)	Y = 174.322 (cm)	
Vertice 13:	X = 163.200 (cm)	Y = 41.322 (cm)	
Vertice 14:	X = 156.300 (cm)	Y = 35.822 (cm)	
Vertice 15:	X = 125.000 (cm)	Y = 33.322 (cm)	
Vertice 16:	X = 93.700 (cm)	Y = 35.822 (cm)	
Vertice 17:	X = 86.800 (cm)	Y = 41.322 (cm)	
Vertice 18:	X = 66.850 (cm)	Y = 174.322 (cm)	
Vertice 19:	X = 235.488 (cm)	Y = 174.322 (cm)	(*)
Vertice 20:	X = 235.488 (cm)	Y = 199.322 (cm)	(*)
Vertice 21:	X = 14.513 (cm)	Y = 199.322 (cm)	(*)
Vertice 22:	X = 14.513 (cm)	Y = 174.322 (cm)	(*)

(*) = vertici del profilo di 2° fase

Descrizione dell'armatura

Armatura normale

φ 16.0 mm; X = 30.00 cm	Y = 170.00 cm
φ 16.0 mm; X = 45.00 cm	Y = 170.00 cm
φ 16.0 mm; X = 60.00 cm	Y = 170.00 cm
φ 16.0 mm; X = 45.00 cm	Y = 160.00 cm
φ 16.0 mm; X = 60.00 cm	Y = 160.00 cm
φ 16.0 mm; X = 220.00 cm	Y = 170.00 cm
φ 16.0 mm; X = 205.00 cm	Y = 170.00 cm
φ 16.0 mm; X = 190.00 cm	Y = 170.00 cm
φ 16.0 mm; X = 205.00 cm	Y = 160.00 cm

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ϕ 16.0 mm; X = 190.00 cm	Y = 160.00 cm	
ϕ 14.0 mm; X = 25.00 cm	Y = 195.00 cm	(*)
ϕ 14.0 mm; X = 25.00 cm	Y = 178.00 cm	(*)
ϕ 14.0 mm; X = 45.00 cm	Y = 195.00 cm	(*)
ϕ 14.0 mm; X = 65.00 cm	Y = 195.00 cm	(*)
ϕ 14.0 mm; X = 85.00 cm	Y = 195.00 cm	(*)
ϕ 14.0 mm; X = 105.00 cm	Y = 195.00 cm	(*)
ϕ 14.0 mm; X = 125.00 cm	Y = 195.00 cm	(*)
ϕ 14.0 mm; X = 145.00 cm	Y = 195.00 cm	(*)
ϕ 14.0 mm; X = 165.00 cm	Y = 195.00 cm	(*)
ϕ 14.0 mm; X = 185.00 cm	Y = 195.00 cm	(*)
ϕ 14.0 mm; X = 205.00 cm	Y = 195.00 cm	(*)
ϕ 14.0 mm; X = 225.00 cm	Y = 195.00 cm	(*)
ϕ 14.0 mm; X = 45.00 cm	Y = 178.00 cm	(*)
ϕ 14.0 mm; X = 65.00 cm	Y = 178.00 cm	(*)
ϕ 14.0 mm; X = 85.00 cm	Y = 178.00 cm	(*)
ϕ 14.0 mm; X = 105.00 cm	Y = 178.00 cm	(*)
ϕ 14.0 mm; X = 125.00 cm	Y = 178.00 cm	(*)
ϕ 14.0 mm; X = 145.00 cm	Y = 178.00 cm	(*)
ϕ 14.0 mm; X = 165.00 cm	Y = 178.00 cm	(*)
ϕ 14.0 mm; X = 185.00 cm	Y = 178.00 cm	(*)
ϕ 14.0 mm; X = 205.00 cm	Y = 178.00 cm	(*)
ϕ 14.0 mm; X = 225.00 cm	Y = 178.00 cm	(*)

(*) = tondi nel getto di 2° fase

Area armatura normale del profilo di 1° fase = 20.1(cm²)
 Ascissa X del baricentro armatura normale = 125.0(cm)
 Ordinata Y del baricentro armatura normale = 166.0(cm)

Area armatura normale del profilo di 2° fase = 54.0(cm²)
 Ascissa X del baricentro armatura normale = 125.0(cm)
 Ordinata Y del baricentro armatura normale = 178.9(cm)

Armatura pretesa aderente

A = 1.39 cm²: X = 115.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 120.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 125.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 130.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 135.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 140.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 145.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 150.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 155.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici

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A = 1.39 cm²: X = 95.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 100.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 105.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 110.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 115.00 cm - Y = 29.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 120.00 cm - Y = 29.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 125.00 cm - Y = 29.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 130.00 cm - Y = 29.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 135.00 cm - Y = 29.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 140.00 cm - Y = 29.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 110.00 cm - Y = 29.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 115.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 120.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 125.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 130.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 135.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 140.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 145.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 150.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 155.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 95.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 100.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 105.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 110.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 70.27 cm - Y = 104.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 179.73 cm - Y = 104.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 53.00 cm - Y = 165.00 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 197.00 cm - Y = 165.00 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 160.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 90.00 cm - Y = 19.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 48.00 cm - Y = 165.00 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 202.00 cm - Y = 165.00 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 160.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 90.00 cm - Y = 24.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 58.00 cm - Y = 165.00 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 192.00 cm - Y = 165.00 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 160.00 cm - Y = 29.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 90.00 cm - Y = 29.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 155.00 cm - Y = 29.32 cm; trefolo da 0.6 pollici
 A = 1.39 cm²: X = 95.00 cm - Y = 29.32 cm; trefolo da 0.6 pollici

Area armatura pretesa aderente = 68.1(cm²)

Ascissa X del baricentro armatura pretesa = 125.0(cm)

Ordinata Y del baricentro armatura pretesa = 44.4(cm)

Profilo di 1° fase - sezione di solo calcestruzzo

Area della sezione = 7459.90(cm²)

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Ascissa X del baricentro sezione	=	125.0(cm)
Ordinata Y del baricentro sezione	=	94.3(cm)
Momento d'Inerzia principale massimo	=	26031110.00(cm ⁴)
Momento d'Inerzia principale minimo	=	24374630.00(cm ⁴)
Semidiametro maggiore dell'ellisse d'Inerzia	=	59.1(cm)
Semidiametro minore dell'ellisse d'Inerzia	=	57.2(cm)
Inclinazione diametro maggiore sull'asse X	=	0.0 deg.
Momento d'inerzia baricentrico secondo X	=	24374630.00(cm ⁴)
Momento d'inerzia baricentrico secondo Y	=	26031120.00(cm ⁴)

Profilo di 1° fase - sezione con armatura omogeneizzata

Area della sezione	=	7900.98(cm ²)
Ascissa X del baricentro sezione	=	125.0(cm)
Ordinata Y del baricentro sezione	=	93.1(cm)
Momento d'Inerzia principale massimo	=	27030040.00(cm ⁴)
Momento d'Inerzia principale minimo	=	26510910.00(cm ⁴)
Semidiametro maggiore dell'ellisse d'Inerzia	=	58.5(cm)
Semidiametro minore dell'ellisse d'Inerzia	=	57.9(cm)
Inclinazione diametro maggiore sull'asse X	=	0.0 deg.
Momento d'inerzia baricentrico secondo X	=	26510910.00(cm ⁴)
Momento d'inerzia baricentrico secondo Y	=	27030040.00(cm ⁴)
Coefficiente d'omogeneizzazione dell'armatura	=	6

Profilo di 2° fase - sezione di solo calcestruzzo

Area della sezione	=	12984.28(cm ²)
Ascissa X del baricentro sezione	=	125.0(cm)
Ordinata Y del baricentro sezione	=	133.7(cm)
Momento d'Inerzia principale massimo	=	51832650.00(cm ⁴)
Momento d'Inerzia principale minimo	=	48510710.00(cm ⁴)
Semidiametro maggiore dell'ellisse d'Inerzia	=	63.2(cm)
Semidiametro minore dell'ellisse d'Inerzia	=	61.1(cm)
Inclinazione diametro maggiore sull'asse X	=	90.0 deg.
Momento d'inerzia baricentrico secondo X	=	51832650.00(cm ⁴)
Momento d'inerzia baricentrico secondo Y	=	48510710.00(cm ⁴)

Profilo di 2° fase - sezione con armatura omogeneizzata

Area della sezione	=	13594.69(cm ²)
Ascissa X del baricentro sezione	=	125.0(cm)
Ordinata Y del baricentro sezione	=	132.3(cm)
Momento d'Inerzia principale massimo	=	55895360.00(cm ⁴)
Momento d'Inerzia principale minimo	=	50186960.00(cm ⁴)
Semidiametro maggiore dell'ellisse d'Inerzia	=	64.1(cm)
Semidiametro minore dell'ellisse d'Inerzia	=	60.8(cm)
Inclinazione diametro maggiore sull'asse X	=	90.0 deg.
Momento d'inerzia baricentrico secondo X	=	55895360.00(cm ⁴)
Momento d'inerzia baricentrico secondo Y	=	50186960.00(cm ⁴)
Coefficiente d'omogeneizzazione dell'armatura	=	6

9.10.2 Verifica della sezione precompressa

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale	=	206000.0 (N/mm ²)
Modulo Elastico acciaio preteso aderente	=	195000.0 (N/mm ²)
Modulo Elastico calcestruzzo	=	42213.7 (N/mm ²)
Resistenza cubica del calcestruzzo: R_{ck}	=	55.00 (N/mm ²)
Coefficiente di caduta per ritiro	=	0.0300 %
Coefficiente di caduta per fluage	=	2.4000
Rilassamento a tempo infinito acciaio aderente	=	2.5 %

Convenzioni di segno

Sono positive le trazioni

Sono positivi i momenti orari

Coefficiente d'omogeneizzazione dell'armatura = 6

Tensioni coattive iniziali nel calcestruzzo

(Profilo di 1° fase - sezione con armatura omogeneizzata)

Tensione iniziale nell'armatura pretesa aderente	=	1488.00 (N/mm ²)
Sforzo coattivo di precompressione	=	10134.76 (KN)
Momento X coattivo di precompressione	=	-4931.18 (KN.m)
Momento Y coattivo di precompressione	=	-0.01 (KN.m)
Nel baricentro sezione	=	-12.83 (N/mm ²)
Nel vertice n° 1	=	2.29 (N/mm ²)

Effetti da Peso proprio

(Profilo di 1° fase - sezione con armatura omogeneizzata)

Momento secondo X	=	2525.00 (KN.m)
Variazione di tensione nel vertice n° 1	=	-7.74 (N/mm ²)
Tensioni Risultanti		
Nel vertice n° 1	=	-5.45 (N/mm ²)
Tensione nel baricentro acciaio preteso aderente	=	-17.24 (N/mm ²)
Cadute da accorciamento elastico nell'acciaio aderente	=	79.65 (N/mm ²)

Cadute di tensione nel tempo (1° step)

(Profilo di 1° fase - sezione con armatura omogeneizzata)

Tensione nel baricentro acciaio preteso aderente	=	-17.24 (N/mm ²)
Cadute di tensione da ritiro acciaio aderente (20%)	=	11.70 (N/mm ²)
Cadute di tensione da fluage acciaio aderente (%)	=	0.00 (N/mm ²)
Cadute di tensione da rilas. acciaio aderente (100%)	=	36.47 (N/mm ²)
Sforzo coattivo di precompressione	=	-328.08 (KN)
Momento X coattivo di precompressione	=	159.63 (KN.m)
Momento Y coattivo di precompressione	=	1.486E-04 (KN.m)
Variazione di tensione nel vertice n° 1	=	-0.07 (N/mm ²)
Tensioni Risultanti		

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Nel vertice n° 1 = -5.53(N/mm²)

Effetti da Getto Soletta

(Profilo di 1° fase - sezione con armatura omogeneizzata)

Momento secondo X = 3721.50(KN.m)

Variazione di tensione nel vertice n° 1 = -11.41(N/mm²)

Tensioni Risultanti

Nel vertice n° 1 = -16.93(N/mm²)

Cadute di tensione nel tempo (2° step)

(Profilo di 2° fase - sezione con armatura omogeneizzata)

Tensione nel baricentro acciaio preteso aderente = -9.70(N/mm²)

Cadute di tensione da ritiro acciaio aderente (40%) = 23.40(N/mm²)

Cadute di tensione da fluage acciaio aderente (50%) = 53.80(N/mm²)

Cadute di tensione da rilas. acciaio aderente (%) = 0.00(N/mm²)

Sforzo coattivo di precompressione = -525.79(KN)

Momento X coattivo di precompressione = 414.08(KN.m)

Momento Y coattivo di precompressione = 2.109E-04(KN.m)

Variazione di tensione nel vertice n° 1 = 0.08(N/mm²)

Tensioni Risultanti

Nel vertice n° 1 = -16.86(N/mm²)

Effetti da Permanenti

(Profilo di 2° fase - sezione con armatura omogeneizzata)

Momento secondo X = 926.50(KN.m)

Variazione di tensione nel vertice n° 1 = -0.70(N/mm²)

Tensioni Risultanti

Nel vertice n° 1 = -17.55(N/mm²)

Cadute di tensione nel tempo (3° step)

(Profilo di 2° fase - sezione con armatura omogeneizzata)

Tensione nel baricentro acciaio preteso aderente = -7.21(N/mm²)

Cadute di tensione da ritiro acciaio aderente (40%) = 23.40(N/mm²)

Cadute di tensione da fluage acciaio aderente (50%) = 39.96(N/mm²)

Cadute di tensione da rilas. acciaio aderente (%) = 0.00(N/mm²)

Cadute totali nell'acciaio aderente = 268.38(N/mm²)

Tensione finale nell'armatura pretesa aderente = 1219.62(N/mm²)

Sforzo coattivo di precompressione = -431.57(KN)

Momento X coattivo di precompressione = 310.47(KN.m)

Momento Y coattivo di precompressione = 1.822E-04(KN.m)

Variazione di tensione nel vertice n° 1 = 0.08(N/mm²)

Tensioni Risultanti

Nel vertice n° 1 = -17.47(N/mm²)

Tensioni coattive finali nel calcestruzzo

Nel baricentro sezione = -11.71(N/mm²)

Nel vertice n° 1 = 2.37(N/mm²)

Effetti da Accidentali

(Profilo di 2° fase - sezione con armatura omogeneizzata)

Sforzo Normale = -11.50(KN)

Momento secondo X = 3244.00(KN.m)

Variazione di tensione nel vertice n° 1 = -2.44(N/mm²)

Tensioni Risultanti

Nel vertice n° 1 = -19.91(N/mm²)Massimo momento d'esercizio: $M_x = 10417.00$ (KN.m)Momento di fessurazione: $M_{fx} = 11216.12$ (KN.m)Calcestruzzo: resistenza alla trazione = 4.67(N/mm²)

Sicurezza alla fessurazione secondo X = 1.077

9.10.3 Verifica a taglioVERIFICA DELLA FIBRA POSIZIONATA A 112.7 cm DA INTRADOSSO

(fibra baricentrica)

Larghezza della fibra = 28.3 cm

Tensioni Principali in esercizio

Tagli operanti sul profilo di 2° fase

Rapporto J/S = 145.9 cm

Taglio da carichi esterni = -195.00(KN)

Tensione tangenziale $\tau = -0.47$ (N/mm²)Sommatore tensioni $\Sigma\tau = -0.47$ (N/mm²)Tensione Normale $\sigma_x = -11.09$ (N/mm²)Tensione Principale $\sigma_I = [\sigma_x + \sqrt{(\sigma_x^2 + 4\tau^2)}] / 2 = 0.02$ (N/mm²)Tensione Principale $\sigma_{II} = [\sigma_x - \sqrt{(\sigma_x^2 + 4\tau^2)}] / 2 = -11.11$ (N/mm²)VERIFICA DELLA FIBRA POSIZIONATA A 33.3 cm DA INTRADOSSO(fibra in cui insorge la massima tensione principale σ_I)

Larghezza della fibra = 102.3 cm

Tensioni Principali in esercizio

Tagli operanti sul profilo di 2° fase

Rapporto J/S = 237.1 cm

Taglio da carichi esterni = -195.00(KN)

Tensione tangenziale $\tau = -0.08$ (N/mm²)Sommatore tensioni $\Sigma\tau = -0.08$ (N/mm²)Tensione Normale $\sigma_x = 0.27$ (N/mm²)

$$\text{Tensione Principale } \sigma_I = [\sigma_x + \sqrt{(\sigma_x^2 + 4 \cdot \tau^2)}] / 2 = 0.29 (\text{N/mm}^2)$$

$$\text{Tensione Principale } \sigma_{II} = [\sigma_x - \sqrt{(\sigma_x^2 + 4 \cdot \tau^2)}] / 2 = -0.02 (\text{N/mm}^2)$$

VERIFICA DELLA FIBRA POSIZIONATA A 169.3 cm DA INTRADOSSO

(fibra in cui insorge la massima tensione principale σ_{II})

Larghezza della fibra = 135.2 cm

Tensioni Principali in esercizio

Tagli operanti sul profilo di 2° fase

Rapporto J/S = 164.8 cm

Taglio da carichi esterni = -195.00 (KN)

Tensione tangenziale τ = -0.09 (N/mm²)

Sommatoria tensioni $\Sigma \tau$ = -0.09 (N/mm²)

Tensione Normale σ_x = -19.19 (N/mm²)

$$\text{Tensione Principale } \sigma_I = [\sigma_x + \sqrt{(\sigma_x^2 + 4 \cdot \tau^2)}] / 2 = 3.99 \text{E-}04 (\text{N/mm}^2)$$

$$\text{Tensione Principale } \sigma_{II} = [\sigma_x - \sqrt{(\sigma_x^2 + 4 \cdot \tau^2)}] / 2 = -19.19 (\text{N/mm}^2)$$

Massima armatura richiesta nella fibra posta a 33.3 cm da intrad.

Armatura ($\sigma_I \cdot b / \sigma_s$): $A_s = 135.8 \text{ cm}^2/\text{m}$ ($\sigma_s = 22$)

9.10.4 Verifica a scorrimento trave/soletta superiore

VERIFICA DELLA FIBRA POSIZIONATA A 174.3 cm DA INTRADOSSO

Larghezza della fibra = 133.7 cm

Tagli operanti sul profilo di 2° fase

Rapporto J/S = 180.2 cm

Taglio da carichi esterni = -195.00(KN)

Tensione tangenziale τ = -0.08(N/mm²)

Armatura ($\tau \cdot b/\sigma_s$): A_s = -72.2 cm²/m (σ_s = 15)

9.10.5 Metodo semiprobabilistico - verifiche a rottura

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale = 206000.0(N/mm²)

Modulo Elastico acciaio preteso aderente = 195000.0(N/mm²)

Modulo Elastico calcestruzzo = 42213.7(N/mm²)

Resistenza cubica del calcestruzzo: R_{ck} = 55.00(N/mm²)

Soglia di snervamento acciaio normale: F_{yk} = 450.00(N/mm²)

Soglia di snervamento acciaio preteso aderente : F_{pk} = 1850.00(N/mm²)

Ipotesi di calcolo

Legge costitutiva del calcestruzzo : Parabola Rettangolo

Accorciamento ultimo a flessione = 0.3500 %

Accorciamento ultimo a compress. = 0.2000 %

Legge costitutiva dell'acciaio normale : Bilineare

Allungamento ultimo acciaio normale = 1.000 %

Legge costitutiva dell'acciaio preteso : Bilineare

Allungamento ultimo acciaio preteso = 1.000 %

Coefficiente di sicurezza calcestruzzo : γ_c = 1.600

Coefficiente di sicurezza acciaio : γ_s = 1.150

Termine di lunga durata : F_1 = 0.850

Rapporto R_{cy1}/R_{cubo} : F_2 = 0.830

Resistenza di progetto calcestruzzo : $F_1 \cdot F_2 \cdot R_{cubo}/\gamma_c$ = 0.44 R_{cubo}

Resistenza di progetto dell'acciaio : $F_{sd} = F_{yk}/\gamma_s$ = 0.87 F_{yk}

Resistenze di progetto

Calcestruzzo = 24.25(N/mm²)

Acciaio normale = 391.30(N/mm²)

Acciaio preteso aderente = 1608.70(N/mm²)

Convenzioni di segno

Sono positive le trazioni

Sono positivi i momenti orari

Acciaio Preteso; Allungamento alla Decompressione

Acciaio del tipo aderente = 0.6712 %

Condizione di carico n° 1

Momento di progetto M_{xd} = 14201.00(KN.m)

Momento di progetto M_{yd} = 0.00(KN.m)

Sforzo di progetto N_d = -15.50(KN)

(sollecitazioni operanti sul profilo di 2° fase)

Momento di rottura M_{xr} = 15785.82(KN.m)

Momento di rottura M_{yr} = 4.123E-03(KN.m)

Sforzo di rottura N_r = -13.88(KN)

Rottura nel Dominio 2

Distanza asse neutro dal tondo n° 21 = 150.9(cm)

Distanza asse neutro dal vertice 21 = 29.1(cm)

Inclinazione dell'asse neutro sull'asse X = 0.00 (deg.)

Sicurezza a rottura M_{xr}/M_{xd} = 1.112

10. MURO DI CONTENIMENTO

La geometria dei manufatti in oggetto è riportata in figura 9-1 :

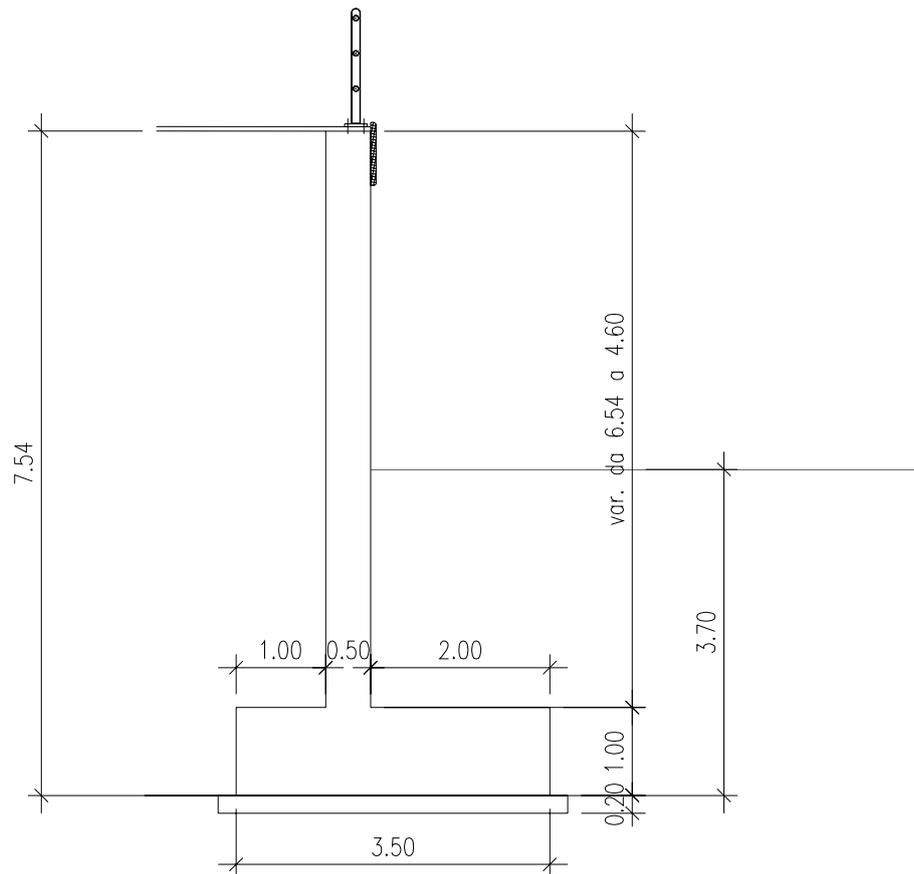


Figura 9-1 – Geometria della sezione tipo

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MURO D'ALA - VI04

Approcci progettuali (annesso A EC7-1, tab. 2.6.I e 6.5.I)

Coefficients parziali per verifiche di equilibrio limite globale (EQU)

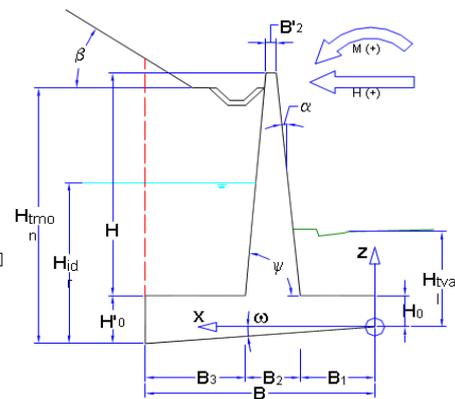
Azioni permanenti (sfavorevoli)	1.1
Azioni permanenti (favorevoli)	0.9
Azioni accidentali (sfavorevoli)	1.5
Azioni accidentali (favorevoli)	0
Angolo di attrito interno ($\tan \phi$)	1.25
Coazione efficace	1.25
Coazione non drenata	1.4
Peso di volume	1

Coefficients parziali per verifiche di geotecniche e strutturali (GEO, STR)

	1	2
Azioni permanenti (sfavorevoli)	A 1.3	1
Azioni permanenti (favorevoli)	A 1	1
Azioni accidentali (sfavorevoli)	A 1.5	1.3
Azioni accidentali (favorevoli)	A 0	0
Angolo di attrito interno ($\tan \phi$)	M 1.0	1.25
Coazione efficace	M 1.0	1.25
Coazione non drenata	M 1.0	1.4
Peso di volume	M 1.0	1.0
Capacità portante	R 1.0	1.4
Resistenza allo scivolamento	R 1.0	1.1
Resistenza del terreno	R 1.0	1.4

Parametri geometrici della sezione

Altezza netta paramento	H = 6.50 [m]
Spessore fondazione valle	H ₀ = 1.00 [m]
Spessore fondazione monte	H' ₀ = 1.00 [m]
Inclinazione piano di posa fondazione	$\omega = 0.00^\circ$ 0%
Larghezza totale fondazione	B = 3.50 [m]
Sbalzo anteriore fondazione	B ₁ = 1.00 [m]
Spessore paramento in sommità	B' ₂ = 0.50 [m]
Spessore paramento alla base	B ₂ = 0.50 [m]
Sbalzo posteriore fondazione	B ₃ = 2.00 [m]
Inclinaz. parete Interna (sull'orizzontale)	$\psi = 90.00^\circ$ 0.0%
Inclinaz. parete Esterna (sulla verticale)	$\alpha = 0.00^\circ$
Peso specifico muro	$\gamma_m = 25.00$ [kN/m ³]
Sviluppo totale fondazione	L = 1.00 [m]
Altezza taglione	H _{ta} = 0.00 [m]
Altezza terreno a monte	H _{tmon} = 7.50 [m]
Altezza terreno a monte (a filo ciabatta post)	H' _{tmon} = 7.50 [m]
Altezza terreno a valle	H _{tval} = 2.50 [m]
Altezza della falda	H _{idr} = 0.00 [m]

**Carichi permanenti**

Sovraccarico sul terreno	Q _{perm} = 0 [kN/m ²]
Distanza di applicazione dal testa muro	d _{Qperm} = 0 [m]
Azione verticale concentrata in sommità	V _{perm} = 0 [kN] Positiva verso il basso
Azione orizzontale concentrata in sommità	H _{perm} = 0 [kN] Positivo se stabilizzante
Momento concentrato in sommità	M _{perm} = 0 [kNm] Positivo se stabilizzante
Spinta concentrata sul paramento	C _{perm} = 0 [kN]
Punto di applicazione (misurato dalla sommità)	z _{Cperm} = 0 [m]

Carichi accidentali

Sovraccarico sul terreno	Q _{acc} = 0 [kN/m ²]
Distanza di applicazione dal testa muro	d _{Qacc} = 0 [m]
Azione verticale concentrata in sommità	V _{acc} = 0 [kN] Positiva verso il basso
Azione orizzontale concentrata in sommità	H _{acc} = -45 [kN] Positivo se stabilizzante
Momento concentrato in sommità	M _{acc} = 0 [kNm] Positivo se stabilizzante

Caratteristiche terreno a tergo

Inclinaz. del terrapieno	$\beta = 0.00^\circ$
Peso specifico terreno	$\gamma_t = 18.00$ [kN/m ³]
Peso specifico efficace	$\gamma'_t = 18.00$ [kN/m ³]
Angolo di attrito interno	$\phi'_t = 35.0^\circ$
	$\tan(\phi'_t) = 0.70021$
Coazione drenata	$c' = 0.00$ [kN/m ²]
Angolo di attrito muro-terreno	$\delta = 17.00^\circ$
	$\tan(\delta) = 0.30573$

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Catteristiche terreno di fondazione

Peso specifico	$\gamma_{tbase} =$	19.00	[kN/m ³]
Peso specifico efficace	$\gamma'_{tbase} =$	19.00	[kN/m ³]
Ang. attrito interno (in cond. drenate)	$\Phi'_{tbase} =$	30.00°	
	$\tan(\Phi'_{tbase}) =$	0.5774	
	$k =$	0.71	
Fattore di profondità di Hansen	$C_{ubase} =$	0.00	[kN/m ²]
Coesione non drenata	$c'_{base} =$	0.00	[kN/m ²]
Coesione drenata			
Coef. di attr. terreno-fondaz.	$FS_{base} =$	0.58	

Parametri sismici secondo NTC2008

Vita nominale	$V_n =$	50	[anni]
Classe d'uso		IV	
Tipo di verifica allo stato limite ultimo		SLV	
Tempo di ritorno atteso	$T_r =$	949	[anni]
Fattore di amplificazione spettrale	$F_o =$	2.55	
Accelerazione orizzontale dello spettro elast	$a_g/g =$	0.099	
Categoria di sottosuolo		C	
Categoria topografica		T1	
Coefficiente di amplificazione topografica	$S_T =$	1	
Coefficiente di sottosuolo	$S_s =$	1.500	
Coefficiente di suolo	$S =$	1.500	
Accelerazione orizzontale massima	$a_{max}/g =$	0.149	
Coefficiente di riduzione (tab.7.11.II)	$\beta =$	0.24	
Coefficiente sismico orizzontale	$k_h =$	0.036	
Coefficiente sismico verticale	$k_v =$	0.018	
	$K_{A,E}^d =$	0.33434	
	$K_{A,E}^w =$	0.33434	

Analisi dei carichi

	<u>Paramento</u>		<u>Fondazione</u>			
Volume paramento	$V_{par} =$	3.25	[m ³]	$V_{fond} =$	3.50	[m ³]
Peso paramento	$P_{par} =$	81.25	[kN]	$P_{fond} =$	87.50	[kN]
Ascissa baricentro	$Xg_{par} =$	1.25	[m]	$Xg_{fond} =$	1.75	[m]
Ordinata baricentro	$Zg_{par} =$	4.25	[m]	$Zg_{fond} =$	0.50	[m]
<u>Terreno</u>	<u>a monte su sbal. post.</u>		<u>a valle su sbal. ant.</u>			
Volume	$V_{tmon} =$	13.00	[m ³]	$V_{val} =$	1.50	[m ³]
Peso	$P_{tmon} =$	234.00	[kN]	$P_{val} =$	27.00	[kN]
Ascissa baricentro	$Xg_{tmon} =$	2.50	[m]	$Xg_{val} =$	0.50	[m]
Ordinata baricentro	$Zg_{tmon} =$	4.25	[m]	$Zg_{val} =$	1.75	[m]
<u>Totale peso proprio</u>						
Peso	$RV_{pp} =$	168.75	[kN]			
Ascissa baricentro	$Xg_{pp} =$	1.51	[m]			
Ordinata baricentro	$Zg_{pp} =$	2.31	[m]			
Momento dovuto al peso proprio	$M_{pp} =$	254.69	[kNm]			
<u>Totale peso del Terreno</u>						
Peso	$RV_{perm} =$	261.00	[kN]			
Ascissa baricentro	$Xg_{perm} =$	2.29	[m]			
Ordinata baricentro	$Zg_{perm} =$	1.75	[m]			
Momento dovuto al peso del Terreno	$M_{perm} =$	598.50	[kNm]			
<u>Totale sovraccarichi permanenti</u>						
Risultante Sovraccarico distribuito	$RV_{sovr} =$	0.00	[kN]			
Ascissa punto di applicazione	$Xg_{sovr} =$	2.50	[m]			
Momento dovuto ai sovraccarichi perm.	$M_{sovr} =$	0.00	[kNm]			
<u>Totale sovraccarichi accidentali</u>						
Risultante Sovraccarico distribuito	$RV_{sovr} =$	0.00	[kN]			
Ascissa punto di applicazione	$Xg_{sovr} =$	2.50	[m]			
Momento dovuto ai sovraccarichi acc.	$M_{sovr} =$	0.00	[kNm]			

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE
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Spinte sull'opera

	Caso statico (GEO, STR)						Caso statico (EQU)	Caso dinamico (EQU)	Caso dinamico (GEO, STR)
	SLS	App#1, c#1	App#1, c#2	App#2	App#3				
Coeff. di spinta attiva (statica Muller-Bresl)	$K_a = 0.246$	0.246	0.312	0.246	0.312	0.312			
Coeff. di spinta passiva (statica Rankine)	$K_p = 3.690$	3.690	2.912	3.690	2.912	2.912			
Coeff. di spinta passiva (statica Caquot-Ker)	$K_p = 3.695$	3.695	2.888	3.695	2.888	2.888			
Coeff. di spinta passiva (Dinamica Mononobe)	$K_p =$						3.620	3.620	
Quotaparte di spinta passiva presa in conto nel calcolo	25.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	#####	

Spinta dell'acqua lato monte (assimilato ad un accidentato)

	SLS	App#1, c#1	App#1, c#2	App#2	App#3	Caso statico (EQU)	Caso dinamico (EQU)	
Risultante	$RH_{H2O} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Ordinata baricentro	$Zg_{H2O} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[m]
Momento	$M_{H2O} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]

Spinta del terreno lato monte (perm sfavor.)

Risultante	$R'_{\text{terreno}} = -124.74$	-162.17	-157.75	-162.17	-157.75	-157.75	-172.28	[kN]
Componente orizzontale (sfavorevole)	$RH_{\text{terreno}} = -119.29$	-155.08	-150.86	-155.08	-150.86	-165.95	-181.22	[kN]
Componente verticale (farorevole)	$RV_{\text{terreno}} = 36.47$	47.41	46.12	47.41	46.12	41.51	45.33	[kN]
Momento componente orizzontale	$MH'_{\text{terreno}} = -298.23$	-387.70	-383.09	-387.70	-383.09	-421.40	-475.86	[kNm]
Momento componente Verticale	$IV'_{\text{terreno}} = 54.71$	71.12	69.18	71.12	69.18	62.27	68.00	[kNm]

Spinta del terreno lato valle

Risultante (solo orizzontale)	$R''_{\text{terreno}} = 54.85$	219.39	171.47	219.39	171.47	171.47	193.44	[kN]
Momento componente orizzontale	$M''_{\text{terreno}} = 45.71$	182.83	142.89	182.83	142.89	142.89	161.20	[kNm]

Spinta del carico distribuito permanente

Risultante	$R_{\text{perm}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Componente orizzontale	$RH_{\text{perm}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Componente verticale	$RV_{\text{perm}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Ascissa punto applicazione RV	$Xg_{\text{perm}} = 1.50$	1.50	1.50	1.50	1.50	1.50	1.50	[m]
Momento componente orizzontale	$MH_{\text{perm}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
Momento componente Verticale	$MV_{\text{perm}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]

Spinta del carico distribuito accidentale

Risultante	$R_{\text{acc}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Componente orizzontale	$RH_{\text{acc}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Componente verticale	$RV_{\text{acc}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Ascissa punto applicazione RV	$Xg_{\text{acc}} = 1.50$	1.50	1.50	1.50	1.50	1.50	1.50	[m]
Momento componente orizzontale	$MH_{\text{acc}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
Momento componente Verticale	$MV_{\text{acc}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]

Spinta carichi permanenti concentrati in sommità

Azione orizzontale	$RCH_{\text{som}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Azione verticale	$RCV_{\text{som}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Ordinata applicazione azione Orizz	$zT_{\text{som}} = 7.50$	7.50	7.50	7.50	7.50	7.50	7.50	[m]
Ascissa applicazione azione Vert.	$xV_{\text{som}} = 1.25$	1.25	1.25	1.25	1.25	1.25	1.25	[m]
Momento componente Orizzontale	$MCH_{\text{som}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
Momento componente Verticale	$MCV_{\text{som}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]

Spinta carichi accidentali concentrati in sommità

Azione orizzontale	$RCH_{\text{som}} = -45.00$	-67.50	-58.50	-67.50	-58.50	0.00	0.00	[kN]
Azione verticale	$RCV_{\text{som}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Ordinata applicazione azione Orizz	$zT_{\text{som}} = 7.50$	7.50	7.50	7.50	7.50	7.50	7.50	[kN]
Ascissa applicazione azione Vert.	$xV_{\text{som}} = 1.25$	1.25	1.25	1.25	1.25	1.25	1.25	[m]
Momento componente Orizzontale	$MCH_{\text{som}} = -337.50$	-506.25	-438.75	-506.25	-438.75	0.00	0.00	[kNm]
Momento componente Verticale	$MCV_{\text{som}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]

Spinta aggiuntiva sul paramento

Azione orizzontale	$RCH_{\text{som}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Ordinata applicazione azione Orizz	$zT_{\text{som}} = 7.50$	7.50	7.50	7.50	7.50	7.50	7.50	[kN]
Momento componente Orizzontale	$MCH_{\text{som}} = 0.00$	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]

Azioni dovute all'evento sismico

Inerzia terreno a monte	$S_{itm} =$						-8.34	[kN]
Momento dell'inerzia terreno a monte	$M_{itm} =$						-35.44	[kNm]
Spinta inerzia muro	$S_{ipp} =$						-6.01	[kN]
Momento dell'inerzia muro	$M_{ipp} =$						-13.87	[kNm]
Spinta inerzia dell'acqua	$E_{wd} =$						0.00	[kN]
Momento dell'inerzia dell'acqua	$M_{ewd} =$						0.00	[kNm]

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE
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Riepilogo resistenze globali

	Caso statico (GEO,STR)					Caso statico (EOU)	Caso dinamico (EOU)	
	SLS	App#1, c#1	App#1, c#2	App#2	App#3			
RH _{tot} =	54.85	219.39	171.47	219.39	171.47	171.47	193.44	[kN]
RV _{perm+acc} =	429.75	429.75	429.75	429.75	429.75	386.77	386.77	[kNm]
MH _{tot} =	45.71	182.83	142.89	182.83	142.89	142.89	161.20	[kNm]
MV _{tot} =	54.71	71.12	69.18	71.12	69.18	62.27	68.00	[kNm]
M _{perm+acc} =	853.19	853.19	853.19	853.19	853.19	767.87	767.87	[kNm]

Momento delle comp. orizz. spinte a tergo
Momento delle comp. vert. spinte a tergo

Riepilogo azioni globali

Totale spinte orizzontali	RH _{tot} =	-164.29	-222.58	-209.36	-222.58	-209.36	-165.95	-195.58	[kN]
Totale spinte verticali	RV _{tot} =	36.47	47.41	46.12	47.41	46.12	41.51	45.33	[kN]
Momento delle comp. orizz. spinte a tergo	MH _{tot} =	-635.73	-893.95	-821.84	-893.95	-821.84	-421.40	-525.17	[kNm]
Momento delle comp. vert. spinte a tergo	MV _{tot} =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]

Verifiche di stabilità globale

	SLS App#1, c#1 App#1, c#2 App#2 App#3					Caso statico (EOU)	Caso dinamico (EOU)		
	SLS	App#1, c#1	App#1, c#2	App#2	App#3				
VERIFICA ALLA TRASLAZIONE ORIZZONTALE									
Totale spinte orizzontali	R _{Htot} =	-164.29					-165.95	-195.58	[kN]
Resistenza allo scivolamento	R _{res} =	324.02					418.74	442.91	[kN]
	γ _{sciv} =	1.97					2.52	2.26	
VERIFICA ALLA ROTAZIONE									
Momento delle comp. orizz. spinte a tergo	M _{Otot} =	-635.73					-421.40	-525.17	[kNm]
Momento stabilizzante	M _{stab} =	953.60					973.03	997.06	[kNm]
	γ _{rib} =	1.50					2.31	1.90	
VERIFICA ALLA TRASLAZIONE VERTICALE									
Totale spinte verticali	N _{tot} =	466.22	477.16	475.87	477.16	475.87	428.29	432.11	[kN]
Totale spinte orizzontali	H _{tot} =	-109.45	-3.19	-37.89	-3.19	-37.89	5.53	-2.14	[kN]
Momento risultante	M _{ris} =	317.87	213.18	243.42	213.18	243.42	551.63	471.89	[kNm]
Eccentricità rispetto all'asse fondazione	e =	-1.07	-1.30	-1.24	-1.30	-1.24	-0.46	-0.66	[m]
Larghezza reagente	B _{app} =	2.05	1.34	1.53	1.34	1.53	3.50	3.28	[m]
Larghezza efficace	B _{eff} =	1.364	0.894	1.023	0.894	1.023	2.576	2.184	[m]
Area efficace	A _{eff} =	1.364	0.894	1.023	0.894	1.023	2.576	2.184	[m ²]
Tensione nel terreno lato monte	σ _{tmonte} =	0.00	0.00	0.00	0.00	0.00	25.45	0.00	[kPa]
Tensione nel terreno lato valle	σ _{tvalle} =	455.87	712.02	620.19	712.02	620.19	219.28	263.78	[kPa]
Coefficiente di sicurezza (d.m. 4.4.1988)		2.00	-	-	-	-	-	-	
Capacità portante limite	σ _{tlim} =	1702.55	1633.98	1641.10	1633.98	1641.10	1726.47	1704.93	[kPa]

Verifiche delle sollecitazioni

Sezione di spiccato della parete frontale

AZIONI

	SLS App#1, c#1 App#1, c#2 App#2 App#3					Caso statico (GEO)	Caso dinamico (GEO)	
	SLS	App#1, c#1	App#1, c#2	App#2	App#3			
Spinta orizzontale dell'acqua	RH _{H2O} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Peso del terreno sul paramento	P _{terr} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Spinta terreno a monte	R _{terr} =	-92.46	-92.46	-116.93	-92.46	-116.93	-129.40	[kN]
Comp. orizzontale spinta terreno a monte	RH _{terr} =	-88.42	-88.42	-111.82	-88.42	-111.82	-123.74	[kN]
Comp. verticale spinta terreno a monte	RV _{terr} =	27.03	27.03	34.19	27.03	34.19	37.83	[kN]
Ascissa	X _{go} =	0.25	0.25	0.25	0.25	0.25	0.25	[m]
Comp. Orizzontale sovraccarico permanente	RH _{perm} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Comp. Verticale sovraccarico permanente	RV _{perm} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Carico permanente conc. orizzontale	H _{perm} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Carico permanente conc. verticale	V _{perm} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Comp. Orizzontale sovraccarico accidentale	RH _{acc} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Comp. Verticale sovraccarico accidentale	RV _{acc} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Carico accidentale orizzontale	H _{acc} =	-45.00	-67.50	-58.50	-67.50	-58.50	0.00	[kN]
Carico accidentale verticale	V _{acc} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Peso proprio paramento	P _{par} =	81.25	81.25	81.25	81.25	81.25	81.25	[kN]
Inerzia sismica peso proprio paramento	I _{par} =						-2.90	[kN]

VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE
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MOMENTI

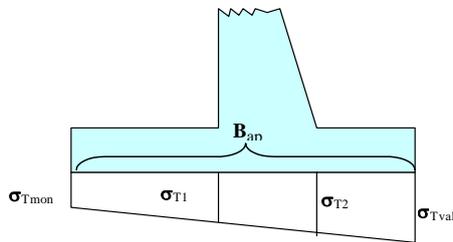
Spinta orizzontale dell'acqua
Peso terreno a monte su paramento
Comp. orizzontale spinta terreno a monte
Comp. verticale spinta terreno a monte
Comp. Orizzontale spinta sovr. Permanente
Momento concentrato permanente
Comp. Orizzontale spinta sovr. accidentale
Momento concentrato accidentale
Peso proprio paramento
Inerzia sismica peso proprio paramento

M_{H2O}	=	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
M_{parV}	=	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
M_{terrH}	=	-194.14	-194.14	-245.51	-194.14	-245.51	-464.04	[kNm]
M_{terrV}	=	6.76	6.76	8.55	6.76	8.55	9.46	[kNm]
M_{permH}	=	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
M_{permV}	=	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
M_{accH}	=	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
M_{accV}	=	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
M_{pppar}	=	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
M_{par}	=						-9.41	[kNm]
SLS App#1, c#1 App#1, c#2 App#2 App#3								
M	=	-187.38	-187.38	-236.96	-187.38	-236.96	-464.00	[kNm]
N	=	108.28	108.28	115.44	108.28	115.44	119.08	[kN]
V	=	-133.42	-155.92	-170.32	-155.92	-170.32	-126.64	[kN]

Momento sulla sezione di spiccato
Azione assiale sulla sezione di spiccato
Taglio sulla sezione di spiccato

Verifiche delle sollecitazioni

Sezione ciabatta di fondazione



Andamento delle tensioni nel terreno.

	σ_{tmon}	σ_{tvalle}	B_{app}	σ_{t1}	σ_{t2}
SLS	0.00	455.87	2.05	121.56	233.00
App#1, c#1	0.00	712.02	1.34	0.00	180.78
App#1, c#2	0.00	620.19	1.53	13.98	216.05
App#2	0.00	712.02	1.34	0.00	180.78
App#3	0.00	620.19	1.53	13.98	216.05
Caso dinamico (GEO)	0.00	263.78	3.28	143.01	183.27

AZIONI

Momento totale alla sez. 1 monte
Taglio totale alla sezione 1 monte
Momento totale alla sez. 2 valle
Taglio totale alla sezione 2 valle

	SLS	App#1, c#1	App#1, c#2	App#2	App#3	Caso dinamico (GEO)	
Mf_{mon}	=	277.97	284.00	284.00	284.00	284.00	208.80 [kNm]
Vf_{mon}	=	250.85	284.00	283.76	284.00	283.76	156.99 [kN]
Mf_{val}	=	-164.79	-241.47	-216.74	-241.47	-216.74	-92.47 [kNm]
Vf_{val}	=	-292.43	-394.40	-366.12	-394.40	-366.12	-171.53 [kN]

10.1 Verifica strutturale fondazione

Si esegue la verifica con

$H = 1 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$

Armatura minima $A_{smin} = 1572.48 \text{ mm}^2$

Armatura superiore $A_s = 1885.0 \text{ mm}^2$, (1Ø20 passo 16cm, ossia 6Ø20/m)

Armatura inferiore $A'_s = 1885.0 \text{ mm}^2$, (1Ø20 passo 16cm, ossia 6Ø20/m)

Sollecitazioni SLU:

$M_u = 284.00 \text{ kNm}$; $V_u = 284.00 \text{ kN}$; $N_u = 0.00 \text{ kN}$

Momento agente ultimo (+contr. del taglio): $M'_u = 529.38 \text{ kNm}$

Sezione semplicemente inflessa, Campo di rottura '2'

Taglio limite: $V_{lim} = 533.00 \text{ kN}$ (Armatura a taglio non necessaria)

Azione Taglio compressione: $V_{cdc} = 4444.65 \text{ kN}$

Azione Taglio trazione: $V_{wd} + V_{cd} = 9802.73 \text{ kN}$

Momento ultimo resistente $M_{rd} = 652.65 \text{ kNm}$

Sollecitazioni SLE:

$M_e = 277.97 \text{ kNm}$; $N_e = 0.00 \text{ kN}$

Sezione semplicemente inflessa

$\sigma_c = -2.65 \text{ MPa} < -13.073 \text{ MPa}$

$\sigma_s = 163.54 \text{ MPa} < 301 \text{ MPa}$

Ampiezza di fessurazione di verifica $W_k = 0.169 \text{ mm} (< 0.2 \text{ mm})$

10.2 Verifica strutturale paramento verticale

Si esegue la verifica con

$H = 0.5 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$

Armatura minima $A_{smin} = 753.48 \text{ mm}^2$

Armatura superiore $A_s = 3141.6 \text{ mm}^2$, (1Ø20 passo 10cm, ossia 10Ø20/m)

Armatura inferiore $A'_s = 3141.6 \text{ mm}^2$, (1Ø20 passo 10cm, ossia 10Ø20/m)

Sollecitazioni SLU:

$M_u = 464.00 \text{ kNm}$; $V_u = 126.64 \text{ kN}$; $N_u = -119.08 \text{ kN}$

Momento agente ultimo (+contr. del taglio): $M'_u = 516.43 \text{ kNm}$

Sezione pressoinflessa parzializzata, Campo di rottura '2'

Taglio limite: $V_{lim} = 355.65 \text{ kN}$ (Armatura a taglio non necessaria)

Azione Taglio compressione: $V_{cdc} = 2129.73 \text{ kN}$

Azione Taglio trazione: $V_{wd} + V_{cd} = 4697.14 \text{ kN}$

Momento ultimo resistente $M_{rd} = 527.35 \text{ kNm}$

Sollecitazioni SLE:

$M_e = 187.38 \text{ kNm}$; $N_e = -108.28 \text{ kN}$

Sezione pressoinflessa parzializzata

$\sigma_c = -4.47 \text{ MPa} < -13.073 \text{ MPa}$

$\sigma_s = 128.18 \text{ MPa} < 301 \text{ MPa}$

Ampiezza di fessurazione di verifica $W_k = 0.088 \text{ mm} (< 0.2 \text{ mm})$

PRO_SAP PROFESSIONAL STRUCTURAL ANALYSIS PROGRAM

*Relazione di calcolo ponte sul Brembiolo n°3
schema statico
impostata e redatta secondo le modalità previste nel
D.M. 14 Settembre 2005 cap. 10
"Norme per la redazione dei progetti esecutivi"*

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D.M. 14/09/05 cap. 10.7.1 Affidabilità dei codici:
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1. CRITERI DI ANALISI DELLA SICUREZZA

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L'analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici.

L'analisi strutturale è condotta con il metodo dell'analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).

L'analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale.

Le incognite del problema (nell'ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z).

La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

$$\mathbf{K} \cdot \mathbf{u} = \mathbf{F}$$

dove

- \mathbf{K} = matrice di rigidezza
- \mathbf{u} = vettore spostamenti nodali
- \mathbf{F} = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.

Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.

Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

- Elemento tipo **TRUSS** (biella)
- Elemento tipo **BEAM** (trave)
- Elemento tipo **MEMBRANE** (membrana)
- Elemento tipo **PLATE** (piastra-guscio)
- Elemento tipo **BOUNDARY** (molla)
- Elemento tipo **STIFFNESS** (matrice di rigidezza)

I suddetti elementi sono di norma compresi nella libreria prevista dai più diffusi programmi di analisi agli elementi finiti.

2. ORIGINE E CARATTERISTICHE DEL CODICE DI CALCOLO ADOTTATO

Il codice di calcolo adottato è *ALGOR SUPERSAP* prodotto dalla ALGOR INTERACTIVE SYSTEMS, Inc. Pittsburgh, PA, USA.

Il programma *SUPERSAP* applica il metodo degli elementi finiti per strutture di forma qualunque, comunque caricate e vincolate, nell'ambito del comportamento lineare delle stesse.

La risoluzione del sistema $K \cdot u = F$ è condotta con l'algoritmo di Gauss modificato sulla matrice K globale suddivisa in blocchi.

La risoluzione delle equazioni del moto, ed in particolare l'applicazione dell'analisi dinamica prevista per il calcolo in zona sismica è condotta con il metodo dello spettro di risposta.

Si sottolinea che il solutore *ALGOR SUPERSAP* è stato sottoposto, con esito positivo e relativa certificazione, ai test N.A.F.E.M.S. (test di confronto della National Agency for Finite Element Methods and Standards in Inghilterra).

Si sottolinea inoltre che il solutore *ALGOR SUPERSAP* è soggetto ad attività di controllo ai sensi della Q.A. (quality assurance), condizione essenziale per l'utilizzo dei codici di calcolo nell'ambito della progettazione nucleare ed off-shore.

3. MODELLAZIONE DEI MATERIALI

3.1 LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

<i>Young</i>	modulo di elasticità normale
<i>Poisson</i>	coefficiente di contrazione trasversale
<i>G</i>	modulo di elasticità tangenziale
<i>Gamma</i>	peso specifico
<i>Alfa</i>	coefficiente di dilatazione termica

I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	cemento armato	Rck Fctm	resistenza caratteristica cubica resistenza media a trazione semplice
2	acciaio	Ft Fy Fd Fdt Sadm Sadmt	tensione di rottura a trazione tensione di snervamento resistenza di calcolo resistenza di calcolo per spess. t>40 mm tensione ammissibile tensione ammissibile per spess. t>40 mm
3	muratura	Resist. Fk Resist. Fvko	resistenza caratteristica a compressione resistenza caratteristica a taglio
4	legno	Resist. fc0k Resist. ft0k Resist. fmk Resist. fvk Modulo E0,05 Lamellare	Resistenza caratteristica (tensione amm. per REGLES) per compressione Resistenza caratteristica (tensione amm. per REGLES) per trazione Resistenza caratteristica (tensione amm. per REGLES) per flessione Resistenza caratteristica (tensione amm. per REGLES) per taglio Modulo elastico parallelo caratteristico lamellare o massiccio

3.1.1 TABELLA DATI MATERIALI

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		daN/cm2	daN/cm2		daN/cm2	daN/cm3	
1	c.a. classe 30 tipico elevazione		3.122e+05	0.12	1.394e+05	2.50e-03	1.00e-05
	Rck	300.0					
	fctm	26.1					
8	acciaio Fe360		2.100e+06	0.30	8.077e+05	7.85e-03	1.00e-05
	ft	3600.0					
	fy	2350.0					
	fd	2350.0					
	fdt	2100.0					
	sadm	1600.0					
	sadmt	1400.0					
70	CRIPTONITE		1.000e+13	0.0	1.000e+13	0.0	0.0

4. MODELLAZIONE DELLE SEZIONI

4.1 LEGENDA TABELLA DATI SEZIONI

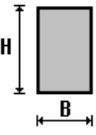
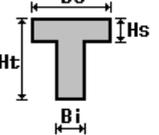
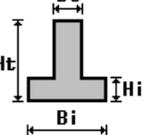
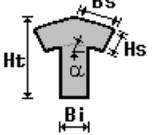
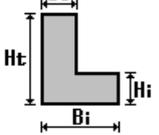
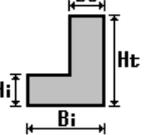
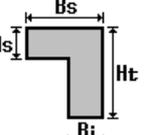
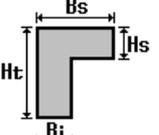
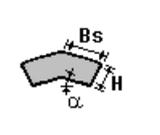
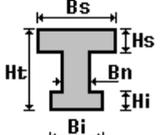
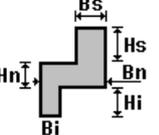
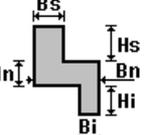
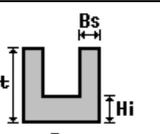
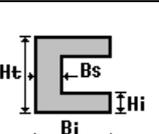
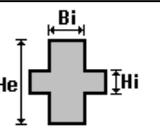
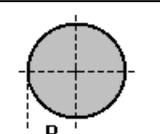
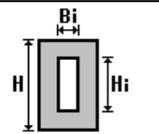
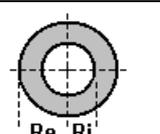
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

- 1 sezione di tipo generico
- 2 profilati semplici
- 3 profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

I dati soprariportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

 rettangolare	 a T	 a T rovescia	 a T di colmo	 a L	 a L specchiata
 a L specchiata rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava

Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilati.

Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	VI_160	1.404e+04	0.0	0.0	1.732e+07	5.959e+07	3.811e+07	3.894e+05	4.534e+05	8.378e+05	6.477e+05
2	Appoggio: b=30.00 h =30.00	900.00	0.0	0.0	1.139e+05	6.750e+04	6.750e+04	4500.00	4500.00	6750.00	6750.00
3	Rettangolare: b=60.00 h =60.00	3600.00	0.0	0.0	1.822e+06	1.080e+06	1.080e+06	3.600e+04	3.600e+04	5.400e+04	5.400e+04
4	Traverso: b=50.00 h =165.00	8250.00	0.0	0.0	5.563e+06	1.719e+06	1.872e+07	6.875e+04	2.269e+05	1.031e+05	3.403e+05
5	Trave fittizia: b=1.00 h =1.00	1.00	0.0	0.0	0.14	0.08	0.08	0.17	0.17	0.25	0.25

5. MODELLAZIONE STRUTTURA: NODI

5.1 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).

Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
Note	(FS = 1, 2,...) eventuale codice del tipo di fondazione speciale (1, 2,... fanno riferimento alle tipologie: plinto, palo, plinto su pali,...) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
Rig. TX	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap.10 dell' OPCM 3274 e smi.

5.1.1 TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	-38.5	105.6	220.0	2	3015.8	-712.8	220.0	3	3145.2	-747.5	220.0
4	6054.6	-1527.1	220.0	5	-167.9	461.2	220.0	6	2886.4	-357.2	220.0
7	3015.8	-391.9	220.0	8	5925.2	-1171.5	220.0	9	-297.2	816.8	220.0
10	2757.0	-1.6	220.0	11	2886.5	-36.3	220.0	12	5795.8	-815.9	220.0
13	-426.6	1172.4	220.0	14	2627.7	354.0	220.0	15	2757.1	319.3	220.0
16	5666.5	-460.3	220.0	17	-556.0	1528.0	220.0	18	2498.3	709.6	220.0
19	2627.7	674.9	220.0	20	5537.1	-104.7	220.0	21	-760.1	3604.5	220.0
22	-38.5	105.6	205.0	23	-38.5	105.6	170.0	24	-454.6	3522.7	220.0
25	3015.8	-712.8	205.0	26	3015.8	-712.8	170.0	27	-149.2	3440.9	220.0
28	3145.2	-747.5	205.0	29	3145.2	-747.5	170.0	30	156.2	3359.0	220.0
31	6054.6	-1527.1	205.0	32	6054.6	-1527.1	170.0	33	461.6	3277.2	220.0
34	-167.9	461.2	205.0	35	-167.9	461.2	170.0	36	767.1	3195.4	220.0
37	2886.4	-357.2	205.0	38	2886.4	-357.2	170.0	39	1072.5	3113.5	220.0
40	3015.8	-391.9	205.0	41	3015.8	-391.9	170.0	42	1377.9	3031.7	220.0
43	5925.2	-1171.5	205.0	44	5925.2	-1171.5	170.0	45	2103.7	2837.2	220.0
46	-297.2	816.8	205.0	47	-297.2	816.8	170.0	48	2394.6	2759.2	220.0
49	2757.0	-1.6	205.0	50	2757.0	-1.6	170.0	51	2685.6	2681.3	220.0
52	2886.5	-36.3	205.0	53	2886.5	-36.3	170.0	54	2976.5	2603.3	220.0
55	5795.8	-815.9	205.0	56	5795.8	-815.9	170.0	57	3267.5	2525.4	220.0
58	-426.6	1172.4	205.0	59	-426.6	1172.4	170.0	60	3558.4	2447.4	220.0
61	2627.7	354.0	205.0	62	2627.7	354.0	170.0	63	3849.3	2369.5	220.0
64	2757.1	319.3	205.0	65	2757.1	319.3	170.0	66	4140.3	2291.5	220.0
67	5666.5	-460.3	205.0	68	5666.5	-460.3	170.0	69	4431.2	2213.5	220.0
70	-556.0	1528.0	205.0	71	-556.0	1528.0	170.0	72	90.9	-250.0	220.0
73	2498.3	709.6	205.0	74	2498.3	709.6	170.0	75	3145.1	-1068.4	220.0

**ALLEGATO 1
RISULTATI ANALISI PRO_SAP
SCHEMA STATICO**

**S.S. N.9 "Via Emilia"
VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE
PASSAGGIO A LIVELLO SULLA S.S. N.234**

76	2627.7	674.9	205.0	77	2627.7	674.9	170.0	78	3274.6	-1103.1	220.0
79	5537.1	-104.7	205.0	80	5537.1	-104.7	170.0	81	-38.5	105.6	-195.0
82	-167.9	461.2	-195.0	83	2486.0	903.4	-12.5	84	2524.5	797.8	-12.5
85	2524.5	797.8	170.0	86	5925.2	-1171.5	0.0	87	2524.5	797.8	-195.0
88	2692.4	336.6	-195.0	89	2168.5	1536.1	170.0	90	2136.1	1705.2	170.0
91	2103.8	1713.9	170.0	92	2394.9	1314.9	170.0	93	-297.2	816.8	-195.0
94	2427.3	1306.3	170.0	95	2233.1	1358.3	170.0	96	-426.6	1172.4	-195.0
97	-594.5	1633.5	-195.0	98	1748.0	2932.5	-12.5	99	-556.0	1528.0	-195.0
100	2265.5	1349.6	170.0	101	2492.0	1128.5	170.0	102	2297.8	1180.5	170.0
103	2821.7	-19.0	-195.0	104	2006.8	2381.8	170.0	105	2039.2	2373.1	170.0
106	1845.0	2425.1	170.0	107	1877.4	2416.4	170.0	108	2103.9	2195.3	170.0
109	1909.7	2247.3	170.0	110	5174.9	891.0	85.0	111	2563.0	692.2	-195.0
112	-697.8	1917.4	-195.0	113	5174.9	891.0	170.0	114	2136.2	2026.2	170.0
115	2168.6	2017.5	170.0	116	1974.4	2069.5	170.0	117	2006.8	2060.8	170.0
118	5795.8	-815.9	0.0	119	2233.2	1839.7	170.0	120	2039.1	1891.7	170.0
121	2692.4	497.1	170.0	122	1812.7	2754.7	-12.5	123	2724.8	488.4	170.0
124	2660.1	666.2	170.0	125	5174.9	891.0	0.0	126	2498.2	549.1	170.0
127	2530.6	540.4	170.0	128	2465.9	718.2	170.0	129	2757.1	479.8	170.0
130	2563.0	531.8	170.0	131	5666.5	-460.3	0.0	132	4980.9	1424.4	85.0
133	2692.4	336.6	170.0	134	2821.8	302.0	170.0	135	2562.9	371.3	170.0
136	2789.4	310.6	170.0	137	2595.3	362.6	170.0	138	2563.0	692.2	170.0
139	2692.4	657.6	170.0	140	2433.6	726.9	170.0	141	2821.8	141.5	170.0
142	3080.5	-730.2	170.0	143	3209.9	-764.8	170.0	144	2951.1	-695.5	170.0
145	2854.1	132.8	170.0	146	2627.6	193.5	170.0	147	2951.1	-374.6	170.0
148	3080.5	-409.2	170.0	149	2821.7	-339.9	170.0	150	2660.0	184.8	170.0
151	2886.5	124.2	170.0	152	2821.7	-19.0	170.0	153	2951.2	-53.6	170.0
154	2692.3	15.7	170.0	155	2692.3	176.2	170.0	156	2918.8	-45.0	170.0
157	-652.2	1791.9	-195.0	158	3080.5	-730.2	-195.0	159	2951.1	-374.6	-195.0
160	2724.7	7.0	170.0	161	5045.6	1246.6	85.0	162	2951.1	-214.1	170.0
163	2983.5	-222.8	170.0	164	2757.0	-162.1	170.0	165	-1370.9	3768.2	220.0
166	-1241.6	3412.6	220.0	167	-889.4	3960.1	220.0	168	1812.7	2594.2	220.0
169	1683.3	2949.8	220.0	170	396.3	-331.9	220.0	171	-724.1	1990.2	220.0
172	-853.4	2345.8	220.0	173	-982.8	2701.4	220.0	174	-1112.2	3057.0	220.0
175	2789.4	-170.8	170.0	176	1812.7	2754.7	170.0	177	3015.9	-231.4	170.0
178	2330.2	1171.8	220.0	179	2459.6	1137.1	220.0	180	5369.0	357.6	220.0
181	4851.5	1780.0	0.0	182	2200.8	1527.4	220.0	183	2330.3	1492.8	220.0
184	5239.6	713.2	220.0	185	2821.7	-179.4	170.0	186	2071.4	1883.0	220.0
187	2200.9	1848.4	220.0	188	5110.3	1068.8	220.0	189	3048.2	-400.6	170.0
190	1942.1	2238.6	220.0	191	2071.5	2204.0	220.0	192	4980.9	1424.4	220.0
193	2854.0	-348.6	170.0	194	701.7	-413.7	220.0	195	1942.1	2559.6	220.0
196	4851.5	1780.0	220.0	197	4722.1	2135.6	0.0	198	1007.2	-495.6	220.0
199	1812.8	2915.2	220.0	200	4722.1	2135.6	220.0	201	1312.6	-577.4	220.0
202	-724.1	1990.2	205.0	203	-724.1	1990.2	170.0	204	1618.0	-659.2	220.0
205	2330.2	1171.8	205.0	206	2330.2	1171.8	170.0	207	1923.4	-741.1	220.0
208	2459.6	1137.1	205.0	209	2459.6	1137.1	170.0	210	2228.9	-822.9	220.0
211	5369.0	357.6	205.0	212	5369.0	357.6	170.0	213	2534.3	-904.8	220.0
214	-853.4	2345.8	205.0	215	-853.4	2345.8	170.0	216	2839.7	-986.6	220.0
217	2200.8	1527.4	205.0	218	2200.8	1527.4	170.0	219	3565.5	-1181.1	220.0
220	2330.3	1492.8	205.0	221	2330.3	1492.8	170.0	222	3856.4	-1259.0	220.0
223	5239.6	713.2	205.0	224	5239.6	713.2	170.0	225	4147.4	-1337.0	220.0
226	-982.8	2701.4	205.0	227	-982.8	2701.4	170.0	228	4438.3	-1414.9	220.0
229	2071.4	1883.0	205.0	230	2071.4	1883.0	170.0	231	4729.3	-1492.9	220.0
232	2200.9	1848.4	205.0	233	2200.9	1848.4	170.0	234	5020.2	-1570.8	220.0
235	5110.3	1068.8	205.0	236	5110.3	1068.8	170.0	237	5311.1	-1648.8	220.0
238	-1112.2	3057.0	205.0	239	-1112.2	3057.0	170.0	240	5602.1	-1726.8	220.0
241	1942.1	2238.6	205.0	242	1942.1	2238.6	170.0	243	5893.0	-1804.7	220.0
244	2071.5	2204.0	205.0	245	2071.5	2204.0	170.0	246	-1500.3	4123.8	220.0
247	4980.9	1424.4	205.0	248	4980.9	1424.4	170.0	249	3080.5	-569.7	170.0
250	-1241.6	3412.6	205.0	251	-1241.6	3412.6	170.0	252	3112.9	-578.4	170.0
253	1812.7	2594.2	205.0	254	1812.7	2594.2	170.0	255	1554.0	3305.4	220.0
256	1942.1	2559.6	205.0	257	1942.1	2559.6	170.0	258	1683.4	3270.8	220.0
259	4851.5	1780.0	205.0	260	4851.5	1780.0	170.0	261	2886.4	-517.7	170.0
262	-1370.9	3768.2	205.0	263	-1370.9	3768.2	170.0	264	2918.7	-526.4	170.0
265	1683.3	2949.8	205.0	266	1683.3	2949.8	170.0	267	4592.8	2491.2	220.0
268	1812.8	2915.2	205.0	269	1812.8	2915.2	170.0	270	-1194.9	4042.0	220.0
271	4722.1	2135.6	205.0	272	4722.1	2135.6	170.0	273	3145.2	-587.0	170.0
274	2951.1	-535.0	170.0	275	3177.6	-756.2	170.0	276	2983.4	-704.2	170.0
277	2394.9	1154.5	170.0	278	2524.3	1119.8	170.0	279	2265.5	1189.2	170.0
280	2265.5	1510.1	170.0	281	2395.0	1475.4	170.0	282	2136.1	1544.8	170.0
283	5045.6	1246.6	170.0	284	5045.6	1246.6	0.0	285	4851.5	1780.0	85.0
286	4916.2	1602.2	85.0	287	4916.2	1602.2	170.0	288	4916.2	1602.2	0.0
289	4.42e-04	-3.17e-05	220.0	290	2136.2	1865.7	170.0	291	2265.6	1831.0	170.0

292	2006.7	1900.4	170.0	293	2421.2	1081.7	-195.0	294	3054.3	-818.4	220.0
295	3183.7	-853.1	220.0	296	6093.1	-1632.6	220.0	297	-584.0	3878.3	220.0
298	-278.6	3796.5	220.0	299	5796.2	-1621.1	0.0	300	2006.8	2221.3	170.0
301	2136.2	2186.6	170.0	302	1877.4	2256.0	170.0	303	2447.5	1008.9	-195.0
304	1942.1	2399.1	170.0	305	2486.0	903.4	-195.0	306	2071.5	2043.5	-195.0
307	1877.4	2576.9	-12.5	308	1942.1	2399.1	-12.5	309	5666.8	-1265.5	0.0
310	1877.4	2576.9	170.0	311	2006.9	2542.2	170.0	312	1748.0	2611.6	170.0
313	-594.5	1633.5	220.0	314	2459.8	815.1	220.0	315	2589.2	780.5	220.0
316	2466.8	956.1	-195.0	317	5498.6	0.9	220.0	318	4722.1	2135.6	85.0
319	2394.9	1154.5	-195.0	320	1748.0	2932.5	170.0	321	1877.5	2897.8	170.0
322	1618.6	2967.2	170.0	323	4786.8	1957.8	85.0	324	5460.1	106.4	0.0
325	-724.1	1990.2	-195.0	326	-853.4	2345.8	-195.0	327	5537.1	-104.7	0.0
328	5421.6	212.0	0.0	329	6183.9	-1882.7	220.0	330	6054.6	-1527.1	0.0
331	2356.5	1099.0	220.0	332	-982.8	2701.4	-195.0	333	2485.9	1064.4	220.0
334	1748.0	2932.5	-195.0	335	2265.5	1510.1	-195.0	336	-697.8	1917.4	220.0
337	2136.2	1865.7	-195.0	338	-1112.2	3057.0	-195.0	339	-1409.4	3873.8	220.0
340	2006.8	2221.3	-195.0	341	1877.4	2576.9	-195.0	342	1644.8	3055.4	220.0
343	1774.3	3020.7	220.0	344	-1241.6	3412.6	-195.0	345	4683.6	2241.1	220.0
346	2383.6	746.5	-195.0	347	5357.6	-50.4	0.0	348	-633.0	1739.1	-12.5
349	-594.5	1633.5	-12.5	350	-1370.9	3768.2	-195.0	351	-594.5	1633.5	170.0
352	-671.5	1844.6	-12.5	353	5369.0	357.6	0.0	354	5239.6	713.2	0.0
355	-652.2	1791.9	-12.5	356	-652.2	1791.9	170.0	357	-697.8	1917.4	-12.5
358	5110.3	1068.8	0.0	359	-697.8	1917.4	170.0	360	2447.5	1008.9	-12.5
361	2466.8	956.1	-12.5	362	4980.9	1424.4	0.0	363	-633.0	1739.1	170.0
364	-671.5	1844.6	170.0	365	2356.5	1099.0	170.0	366	2421.3	920.7	170.0
367	2615.4	868.7	170.0	368	3119.0	-835.7	-12.5	369	2550.7	886.0	170.0
370	2486.0	903.4	170.0	371	2447.5	1008.9	170.0	372	4786.8	1957.8	170.0
373	4786.8	1957.8	0.0	374	2531.5	938.8	170.0	375	2512.2	991.6	170.0
376	1709.6	3038.1	-12.5	377	2485.9	1064.4	170.0	378	2596.2	921.5	170.0
379	2577.0	974.2	170.0	380	4.42e-04	-3.17e-05	-195.0	381	5395.3	284.8	0.0
382	2466.8	956.1	170.0	383	2421.2	1081.7	-12.5	384	2421.2	1081.7	170.0
385	5460.1	106.4	85.0	386	5498.6	0.9	85.0	387	5498.6	0.9	170.0
388	5421.6	212.0	85.0	389	5440.9	159.2	85.0	390	5440.9	159.2	170.0
391	5395.3	284.8	85.0	392	5395.3	284.8	170.0	393	3119.0	-835.7	-195.0
394	5440.9	159.2	0.0	395	2402.1	973.5	170.0	396	2318.1	1043.6	170.0
397	2382.8	1026.3	170.0	398	6093.1	-1632.6	85.0	399	2291.8	1116.4	170.0
400	4683.6	2241.1	85.0	401	1812.7	2754.7	-195.0	402	4683.6	2241.1	0.0
403	5239.6	713.2	85.0	404	5498.6	0.9	0.0	405	5304.3	535.4	85.0
406	5304.3	535.4	170.0	407	5304.3	535.4	0.0	408	5369.0	357.6	85.0
409	5110.3	1068.8	85.0	410	2459.7	1297.6	170.0	411	6093.1	-1632.6	0.0
412	2200.8	1367.0	170.0	413	2330.3	1653.2	170.0	414	2071.4	1722.6	170.0
415	2200.9	2008.8	170.0	416	-1409.4	3873.8	-195.0	417	1942.0	2078.2	170.0
418	2071.5	2364.4	170.0	419	1812.7	2433.8	170.0	420	1942.2	2720.0	170.0
421	1683.3	2789.4	170.0	422	1877.5	2737.4	170.0	423	1909.8	2728.7	170.0
424	1974.5	2550.9	170.0	425	1845.1	2906.5	170.0	426	1715.7	2780.7	170.0
427	1780.3	2602.9	170.0	428	1651.0	2958.5	170.0	429	1709.6	3038.1	-195.0
430	1748.0	2772.0	170.0	431	2265.6	1670.6	170.0	432	2362.6	1484.1	170.0
433	2297.9	1661.9	170.0	434	4.42e-04	-3.17e-05	170.0	435	1942.1	2399.1	-195.0
436	6093.1	-1632.6	170.0	437	-1409.4	3873.8	170.0	438	4683.6	2241.1	170.0
439	-1409.4	3873.8	-12.5	440	1709.6	3038.1	170.0	441	2550.7	1047.0	170.0
442	2395.1	832.5	170.0	443	2459.8	815.1	170.0	444	4.42e-04	-3.17e-05	-12.5
445	2653.9	763.1	170.0	446	2589.2	780.5	170.0	447	2356.6	938.0	170.0
448	2337.3	990.8	170.0	449	-167.9	461.2	-12.5	450	-103.2	283.4	-12.5
451	-103.2	283.4	170.0	452	-103.2	283.4	-195.0	453	-38.5	105.6	-12.5
454	-297.2	816.8	-12.5	455	-232.5	639.0	-12.5	456	-232.5	639.0	170.0
457	-232.5	639.0	-195.0	458	-426.6	1172.4	-12.5	459	-361.9	994.6	-12.5
460	-361.9	994.6	170.0	461	-361.9	994.6	-195.0	462	-556.0	1528.0	-12.5
463	-491.3	1350.2	-12.5	464	-491.3	1350.2	170.0	465	-491.3	1350.2	-195.0
466	2951.1	-374.6	-12.5	467	3015.8	-552.4	-12.5	468	3015.8	-552.4	170.0
469	3015.8	-552.4	-195.0	470	3080.5	-730.2	-12.5	471	2821.7	-19.0	-12.5
472	2886.4	-196.8	-12.5	473	2886.4	-196.8	170.0	474	2886.4	-196.8	-195.0
475	2563.0	692.2	-12.5	476	2627.7	514.4	-12.5	477	2627.7	514.4	170.0
478	2627.7	514.4	-195.0	479	2692.4	336.6	-12.5	480	2757.1	158.8	-12.5
481	2757.1	158.8	170.0	482	2757.1	158.8	-195.0	483	5925.2	-1171.5	85.0
484	5989.9	-1349.3	85.0	485	5989.9	-1349.3	170.0	486	5989.9	-1349.3	0.0
487	6054.6	-1527.1	85.0	488	5795.8	-815.9	85.0	489	5860.5	-993.7	85.0
490	5860.5	-993.7	170.0	491	5860.5	-993.7	0.0	492	5666.5	-460.3	85.0
493	5731.1	-638.1	85.0	494	5731.1	-638.1	170.0	495	5731.1	-638.1	0.0
496	5537.1	-104.7	85.0	497	5601.8	-282.5	85.0	498	5601.8	-282.5	170.0
499	5601.8	-282.5	0.0	500	-853.4	2345.8	-12.5	501	-788.8	2168.0	-12.5
502	-788.8	2168.0	170.0	503	-788.8	2168.0	-195.0	504	-724.1	1990.2	-12.5
505	-982.8	2701.4	-12.5	506	-918.1	2523.6	-12.5	507	-918.1	2523.6	170.0

508	-918.1	2523.6	-195.0	509	-1112.2	3057.0	-12.5	510	-1047.5	2879.2	-12.5
511	-1047.5	2879.2	170.0	512	-1047.5	2879.2	-195.0	513	-1241.6	3412.6	-12.5
514	-1176.9	3234.8	-12.5	515	-1176.9	3234.8	170.0	516	-1176.9	3234.8	-195.0
517	-1370.9	3768.2	-12.5	518	-1306.2	3590.4	-12.5	519	-1306.2	3590.4	170.0
520	-1306.2	3590.4	-195.0	521	2265.5	1510.1	-12.5	522	2330.2	1332.3	-12.5
523	2330.2	1332.3	170.0	524	2330.2	1332.3	-195.0	525	2394.9	1154.5	-12.5
526	2136.2	1865.7	-12.5	527	2200.9	1687.9	-12.5	528	2200.9	1687.9	170.0
529	2200.9	1687.9	-195.0	530	2006.8	2221.3	-12.5	531	2071.5	2043.5	-12.5
532	2071.5	2043.5	170.0	533	3145.2	-908.0	170.0	534	3274.6	-942.6	170.0
535	3015.7	-873.3	170.0	536	3242.2	-934.0	170.0	537	3048.1	-882.0	170.0
538	1683.4	3110.3	170.0	539	1812.8	3075.6	170.0	540	1553.9	3145.0	170.0
541	1780.4	3084.3	170.0	542	1586.3	3136.3	170.0	543	5537.4	-909.9	0.0
544	5408.0	-554.3	0.0	545	1748.1	3093.0	170.0	546	1618.6	3127.6	170.0
547	5240.2	-93.2	0.0	548	5278.7	-198.7	0.0	549	-671.5	1844.6	-195.0
554	-735.4	1582.2	-195.0	556	-1435.3	3140.8	-195.0	557	-1564.7	3496.4	-195.0
558	-929.9	1750.6	-195.0	564	-141.0	-51.3	-195.0	565	-1550.4	3822.5	-195.0
566	-244.1	232.1	-195.0	567	-373.5	587.7	-195.0	568	-502.9	943.3	-195.0
569	-632.2	1298.9	-195.0	570	-929.7	2116.7	-195.0	571	-1059.1	2472.3	-195.0
572	-1188.4	2827.9	-195.0	573	-1317.8	3183.5	-195.0	574	-1447.2	3539.1	-195.0
575	-633.0	1739.1	-195.0	576	-296.9	11.5	-195.0	577	-426.3	367.1	-195.0
578	-555.6	722.7	-195.0	579	-685.0	1078.3	-195.0	580	-852.9	1539.5	-195.0
581	-814.4	1433.9	-195.0	582	-956.2	1823.4	-195.0	583	-910.6	1697.8	-195.0
584	-982.5	1896.2	-195.0	585	-1111.9	2251.8	-195.0	586	-1241.2	2607.4	-195.0
587	-1370.6	2963.0	-195.0	588	-1500.0	3318.6	-195.0	589	-1629.3	3674.2	-195.0
590	-258.4	-94.1	-195.0	591	-1667.8	3779.7	-195.0	592	-361.6	189.3	-195.0
593	-491.0	544.9	-195.0	594	-620.3	900.5	-195.0	595	-749.7	1256.1	-195.0
596	-1047.2	2074.0	-195.0	597	-1176.5	2429.6	-195.0	598	-1305.9	2785.2	-195.0
599	-812.4	1793.3	-195.0	601	-793.2	1740.6	-195.0	602	-865.0	1938.9	-195.0
603	-773.9	1687.8	-195.0	604	-891.4	1645.0	-195.0	605	102.5	156.9	-195.0
606	-26.9	512.5	-195.0	607	-156.3	868.1	-195.0	608	-285.7	1223.7	-195.0
610	-415.0	1579.3	-195.0	611	-556.8	1968.7	-195.0	612	-511.3	1843.2	-195.0
619	141.0	51.3	-195.0	620	-1268.5	3925.1	-195.0	625	-647.8	2219.3	-195.0
626	-777.2	2574.9	-195.0	627	-906.5	2930.5	-195.0	628	-1035.9	3286.1	-195.0
629	-1165.3	3641.7	-195.0	630	-530.5	1895.9	-195.0	631	5136.9	190.7	0.0
632	-492.0	1790.4	-195.0	633	219.9	199.6	-195.0	634	90.6	555.2	-195.0
635	-38.8	910.8	-195.0	636	-168.2	1266.4	-195.0	637	-336.1	1727.6	-195.0
638	-297.6	1622.0	-195.0	639	5182.4	65.2	0.0	640	5110.6	263.5	0.0
641	4981.2	619.1	0.0	642	-595.0	2439.9	-195.0	643	-724.4	2795.5	-195.0
644	-853.8	3151.1	-195.0	645	-983.1	3506.7	-195.0	646	-1112.5	3862.3	-195.0
647	258.4	94.1	-195.0	648	-1151.0	3967.8	-195.0	649	155.2	377.4	-195.0
650	25.9	733.0	-195.0	651	-103.5	1088.6	-195.0	652	-232.9	1444.2	-195.0
653	-530.3	2262.1	-195.0	654	-659.7	2617.7	-195.0	655	-789.1	2973.3	-195.0
656	-918.5	3328.9	-195.0	657	-1047.8	3684.5	-195.0	658	4851.8	974.7	0.0
659	4722.5	1330.3	0.0	660	4593.1	1685.9	0.0	661	4463.7	2041.5	0.0
662	5834.6	-1726.7	0.0	663	4425.2	2147.1	0.0	664	5731.5	-1443.3	0.0
665	5602.1	-1087.7	0.0	666	5472.7	-732.1	0.0	667	5343.4	-376.5	0.0
668	5045.9	441.3	0.0	669	4916.5	796.9	0.0	670	4787.1	1152.5	0.0
671	5280.7	160.7	0.0	673	5299.9	107.9	0.0	674	5228.0	306.3	0.0
675	5319.1	55.1	0.0	676	5201.7	12.4	0.0	677	6195.5	-1475.8	0.0
678	6066.2	-1120.2	0.0	679	5936.8	-764.6	0.0	680	-413.0	1938.7	-195.0
681	-439.3	2011.5	-195.0	682	-393.8	1885.9	-195.0	683	-465.6	2084.3	-195.0
684	-374.5	1833.1	-195.0	685	5807.4	-409.0	0.0	687	5678.0	-53.4	0.0
688	5536.3	336.1	0.0	689	5581.8	210.5	0.0	696	6234.0	-1581.3	0.0
697	4824.6	2292.5	0.0	703	1683.7	2305.0	-195.0	704	1554.3	2660.6	-195.0
705	2189.1	914.9	-195.0	711	2978.0	-887.0	-195.0	712	1568.6	2986.7	-195.0
713	2874.8	-603.7	-195.0	714	2745.5	-248.1	-195.0	715	2616.1	107.5	-195.0
716	2486.7	463.1	-195.0	717	2189.3	1281.0	-195.0	718	2059.9	1636.6	-195.0
719	1930.5	1992.2	-195.0	720	1801.2	2347.8	-195.0	721	1671.8	2703.4	-195.0
722	2822.1	-824.2	-195.0	723	2692.7	-468.6	-195.0	724	2563.3	-113.0	-195.0
725	2434.0	242.6	-195.0	726	2266.1	703.7	-195.0	727	2304.6	598.2	-195.0
728	2162.8	987.6	-195.0	729	2208.4	862.1	-195.0	730	2136.5	1060.4	-195.0
731	2007.1	1416.0	-195.0	732	1877.7	1771.6	-195.0	733	1748.4	2127.2	-195.0
734	1619.0	2482.8	-195.0	735	1489.6	2838.4	-195.0	736	2860.6	-929.8	-195.0
737	1451.1	2944.0	-195.0	738	2757.4	-646.4	-195.0	739	2628.0	-290.8	-195.0
740	2498.6	64.8	-195.0	741	2369.3	420.4	-195.0	742	2071.8	1238.2	-195.0
743	1942.4	1593.8	-195.0	744	1813.1	1949.4	-195.0	745	2306.6	957.6	-195.0
747	2325.8	904.8	-195.0	748	2254.0	1103.2	-195.0	749	2345.1	852.0	-195.0
750	2227.6	809.3	-195.0	751	3221.4	-678.9	-195.0	752	3092.1	-323.3	-195.0
753	2962.7	32.3	-195.0	754	2833.3	387.9	-195.0	756	2703.9	743.5	-195.0
757	2562.2	1133.0	-195.0	758	2607.7	1007.4	-195.0	765	3259.9	-784.4	-195.0
766	1850.5	3089.4	-195.0	771	2471.2	1383.6	-195.0	772	2341.8	1739.2	-195.0
773	2212.4	2094.8	-195.0	774	2083.1	2450.4	-195.0	775	1953.7	2806.0	-195.0

**ALLEGATO 1
RISULTATI ANALISI PRO_SAP
SCHEMA STATICO**

**S.S. N.9 "Via Emilia"
VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE
PASSAGGIO A LIVELLO SULLA S.S. N.234**

776	2588.5	1060.2	-195.0	777	2627.0	954.7	-195.0	778	3338.9	-636.1	-195.0
779	3209.5	-280.5	-195.0	780	3080.2	75.1	-195.0	781	2950.8	430.7	-195.0
782	2782.9	891.8	-195.0	783	2821.4	786.3	-195.0	787	2524.0	1604.1	-195.0
788	2394.6	1959.7	-195.0	789	2265.2	2315.3	-195.0	790	2135.8	2670.9	-195.0
791	2006.5	3026.5	-195.0	792	3377.4	-741.7	-195.0	793	1968.0	3132.1	-195.0
794	3274.2	-458.3	-195.0	795	3144.8	-102.7	-195.0	796	3015.5	252.9	-195.0
797	2886.1	608.5	-195.0	798	2588.6	1426.3	-195.0	799	2459.3	1781.9	-195.0
800	2329.9	2137.5	-195.0	801	2200.5	2493.1	-195.0	802	2071.1	2848.7	-195.0
804	5445.3	586.7	0.0	805	5315.9	942.3	0.0	806	5186.5	1297.9	0.0
807	5057.1	1653.5	0.0	808	4927.8	2009.1	0.0	809	5562.6	263.3	0.0
810	5601.1	157.8	0.0	811	6313.0	-1433.0	0.0	812	6183.6	-1077.4	0.0
813	6054.2	-721.8	0.0	814	5924.9	-366.2	0.0	815	5757.0	94.9	0.0
816	5795.5	-10.6	0.0	817	5680.0	306.1	0.0	818	5653.7	378.9	0.0
819	5699.3	253.3	0.0	820	5498.0	807.2	0.0	821	5368.7	1162.8	0.0
822	5239.3	1518.4	0.0	823	5109.9	1874.0	0.0	824	4980.6	2229.6	0.0
825	2705.9	1103.0	-195.0	826	2679.6	1175.8	-195.0	827	2725.2	1050.2	-195.0
828	2653.3	1248.5	-195.0	829	2744.4	997.4	-195.0	830	6351.5	-1538.6	0.0
831	4942.1	2335.2	0.0	832	6248.3	-1255.2	0.0	833	6118.9	-899.6	0.0
834	5989.6	-544.0	0.0	835	5860.2	-188.4	0.0	836	5562.7	629.4	0.0
837	5433.4	985.0	0.0	838	5304.0	1340.6	0.0	839	5174.6	1696.2	0.0
840	5045.2	2051.8	0.0	841	5627.4	451.6	0.0	842	5718.5	200.5	0.0
848	4657.8	1508.1	0.0	849	4528.4	1863.7	0.0	850	5163.2	118.0	0.0
856	5952.1	-1683.9	0.0	857	4542.7	2189.8	0.0	858	5848.9	-1400.6	0.0
859	5719.6	-1045.0	0.0	860	5590.2	-689.4	0.0	861	5460.8	-333.8	0.0
862	5163.4	484.1	0.0	863	5034.0	839.7	0.0	864	4904.6	1195.3	0.0
865	4775.2	1550.9	0.0	866	4645.9	1906.5	0.0	867	5460.1	106.4	170.0
868	5421.6	212.0	170.0	869	26.8	3714.6	220.0	870	332.3	3632.8	220.0
871	637.7	3551.0	220.0	872	943.1	3469.1	220.0	873	1248.5	3387.3	220.0
874	1974.3	3192.8	220.0	875	2265.3	3114.8	220.0	876	2556.2	3036.9	220.0
877	3119.0	-835.7	170.0	878	2847.1	2958.9	220.0	879	3138.1	2881.0	220.0
880	3429.0	2803.0	220.0	881	3720.0	2725.1	220.0	882	3209.9	-925.3	170.0
883	3080.5	-890.6	170.0	884	4010.9	2647.1	220.0	885	4301.8	2569.1	220.0
886	266.9	23.7	220.0	887	572.4	-58.1	220.0	888	877.8	-140.0	220.0
889	1183.2	-221.8	220.0	890	1488.6	-303.6	220.0	891	1794.1	-385.5	220.0
892	2099.5	-467.3	220.0	893	2404.9	-549.1	220.0	894	2710.3	-631.0	220.0
895	3436.1	-825.5	220.0	896	3727.1	-903.4	220.0	897	4018.0	-981.4	220.0
898	4308.9	-1059.3	220.0	899	4599.9	-1137.3	220.0	900	4890.8	-1215.2	220.0
901	5181.8	-1293.2	220.0	902	5472.7	-1371.2	220.0	903	5763.6	-1449.1	220.0
904	137.6	379.3	220.0	905	443.0	297.5	220.0	906	748.4	215.6	220.0
907	1053.8	133.8	220.0	908	1359.3	52.0	220.0	909	1664.7	-29.9	220.0
910	1970.1	-111.7	220.0	911	2275.5	-193.5	220.0	912	2581.0	-275.4	220.0
913	3306.8	-469.9	220.0	914	3597.7	-547.8	220.0	915	3888.6	-625.8	220.0
916	4179.6	-703.7	220.0	917	4470.5	-781.7	220.0	918	4761.5	-859.6	220.0
919	5052.4	-937.6	220.0	920	5343.3	-1015.6	220.0	921	5634.3	-1093.5	220.0
922	8.2	734.9	220.0	923	313.6	653.1	220.0	924	619.0	571.2	220.0
925	924.5	489.4	220.0	926	1229.9	407.6	220.0	927	1535.3	325.7	220.0
928	1840.7	243.9	220.0	929	2146.2	162.1	220.0	930	2451.6	80.2	220.0
931	3177.4	-114.3	220.0	932	3468.3	-192.2	220.0	933	3759.3	-270.2	220.0
934	4050.2	-348.1	220.0	935	4341.1	-426.1	220.0	936	4632.1	-504.0	220.0
937	4923.0	-582.0	220.0	938	5214.0	-660.0	220.0	939	5504.9	-737.9	220.0
940	-121.2	1090.5	220.0	941	184.2	1008.7	220.0	942	489.7	926.8	220.0
943	795.1	845.0	220.0	944	1100.5	763.2	220.0	945	1405.9	681.3	220.0
946	1711.4	599.5	220.0	947	2016.8	517.7	220.0	948	2322.2	435.8	220.0
949	3048.0	241.3	220.0	950	3339.0	163.4	220.0	951	3629.9	85.4	220.0
952	3920.8	7.5	220.0	953	4211.8	-70.5	220.0	954	4502.7	-148.4	220.0
955	4793.6	-226.4	220.0	956	5084.6	-304.4	220.0	957	5375.5	-382.3	220.0
958	-250.6	1446.1	220.0	959	54.9	1364.3	220.0	960	360.3	1282.4	220.0
961	665.7	1200.6	220.0	962	971.2	1118.8	220.0	963	1276.6	1036.9	220.0
964	1582.0	955.1	220.0	965	1887.4	873.3	220.0	966	2192.9	791.4	220.0
967	2918.6	596.9	220.0	968	3209.6	519.0	220.0	969	3500.5	441.0	220.0
970	3791.5	363.1	220.0	971	4082.4	285.1	220.0	972	4373.3	207.2	220.0
973	4664.3	129.2	220.0	974	4955.2	51.2	220.0	975	5246.1	-26.7	220.0
976	-418.6	1908.4	220.0	977	-113.2	1826.5	220.0	978	192.2	1744.7	220.0
979	497.6	1662.9	220.0	980	803.1	1581.0	220.0	981	1108.5	1499.2	220.0
982	1413.9	1417.3	220.0	983	1719.3	1335.5	220.0	984	2024.8	1253.7	220.0
985	2750.6	1059.2	220.0	986	3041.5	981.2	220.0	987	3332.4	903.3	220.0
988	3623.4	825.3	220.0	989	3914.3	747.4	220.0	990	4205.2	669.4	220.0
991	4496.2	591.5	220.0	992	4787.1	513.5	220.0	993	5078.1	435.5	220.0
994	-548.0	2264.0	220.0	995	-242.6	2182.1	220.0	996	62.8	2100.3	220.0
997	368.3	2018.5	220.0	998	673.7	1936.6	220.0	999	979.1	1854.8	220.0
1000	1284.5	1772.9	220.0	1001	1590.0	1691.1	220.0	1002	1895.4	1609.3	220.0
1003	2621.2	1414.8	220.0	1004	2912.1	1336.8	220.0	1005	3203.1	1258.9	220.0

1006	3494.0	1180.9	220.0	1007	3784.9	1103.0	220.0	1008	4075.9	1025.0	220.0
1009	4366.8	947.1	220.0	1010	4657.7	869.1	220.0	1011	4948.7	791.1	220.0
1012	-677.4	2619.6	220.0	1013	-372.0	2537.7	220.0	1014	-66.5	2455.9	220.0
1015	238.9	2374.1	220.0	1016	544.3	2292.2	220.0	1017	849.7	2210.4	220.0
1018	1155.2	2128.5	220.0	1019	1460.6	2046.7	220.0	1020	1766.0	1964.9	220.0
1021	2491.8	1770.4	220.0	1022	2782.8	1692.4	220.0	1023	3073.7	1614.5	220.0
1024	3364.6	1536.5	220.0	1025	3655.6	1458.6	220.0	1026	3946.5	1380.6	220.0
1027	4237.4	1302.7	220.0	1028	4528.4	1224.7	220.0	1029	4819.3	1146.7	220.0
1030	-806.8	2975.2	220.0	1031	-501.3	2893.3	220.0	1032	-195.9	2811.5	220.0
1033	109.5	2729.7	220.0	1034	414.9	2647.8	220.0	1035	720.4	2566.0	220.0
1036	1025.8	2484.1	220.0	1037	1331.2	2402.3	220.0	1038	1636.7	2320.5	220.0
1039	2362.4	2126.0	220.0	1040	2653.4	2048.0	220.0	1041	2944.3	1970.1	220.0
1042	3235.3	1892.1	220.0	1043	3526.2	1814.2	220.0	1044	3817.1	1736.2	220.0
1045	4108.1	1658.3	220.0	1046	4399.0	1580.3	220.0	1047	4689.9	1502.3	220.0
1048	-936.1	3330.8	220.0	1049	-630.7	3248.9	220.0	1050	-325.3	3167.1	220.0
1051	-19.9	3085.3	220.0	1052	285.6	3003.4	220.0	1053	591.0	2921.6	220.0
1054	896.4	2839.7	220.0	1055	1201.9	2757.9	220.0	1056	1507.3	2676.1	220.0
1057	2233.1	2481.6	220.0	1058	2524.0	2403.6	220.0	1059	2814.9	2325.7	220.0
1060	3105.9	2247.7	220.0	1061	3396.8	2169.8	220.0	1062	3687.8	2091.8	220.0
1063	3978.7	2013.9	220.0	1064	4269.6	1935.9	220.0	1065	4560.6	1857.9	220.0
1066	-1065.5	3686.4	220.0	1067	5407.5	252.0	220.0	1068	560.7	1489.5	220.0
1069	255.2	1571.4	220.0	1070	-50.2	1653.2	220.0	1071	-355.6	1735.0	220.0
1072	2522.7	963.8	220.0	1073	4850.2	340.2	220.0	1074	4559.2	418.1	220.0
1075	4268.3	496.1	220.0	1076	3977.3	574.0	220.0	1077	3686.4	652.0	220.0
1078	3395.5	729.9	220.0	1079	3104.5	807.9	220.0	1080	1171.5	1325.8	220.0
1081	2813.6	885.8	220.0	1082	4601.2	302.5	220.0	1083	4310.3	380.5	220.0
1084	4019.4	458.5	220.0	1085	3728.4	536.4	220.0	1086	3437.5	614.4	220.0
1087	3146.6	692.3	220.0	1088	2855.6	770.3	220.0	1089	2564.7	848.2	220.0
1090	2435.2	882.9	220.0	1091	2129.8	964.8	220.0	1092	1824.4	1046.6	220.0
1093	1519.0	1128.4	220.0	1094	1213.5	1210.3	220.0	1095	908.1	1292.1	220.0
1096	602.7	1374.0	220.0	1097	297.3	1455.8	220.0	1098	-8.2	1537.6	220.0
1099	-313.6	1619.5	220.0	1100	5183.1	146.6	220.0	1101	4892.2	224.6	220.0
1102	866.1	1407.7	220.0	1103	5141.1	262.2	220.0	1104	2393.2	998.5	220.0
1105	2087.8	1080.3	220.0	1106	5432.0	184.2	220.0	1107	5474.0	68.7	220.0
1108	1782.4	1162.2	220.0	1109	1476.9	1244.0	220.0	1110	-661.0	1816.9	220.0
1111	-619.0	1701.3	220.0	1112	2278.4	1506.6	220.0	1113	1605.7	3291.6	220.0
1114	1631.6	3284.6	220.0	1115	2149.1	1862.2	220.0	1116	2019.7	2217.8	220.0
1117	2445.0	984.6	220.0	1118	2470.9	977.7	220.0	1119	1890.3	2573.4	220.0
1120	2705.3	333.2	220.0	1121	2487.0	869.0	220.0	1122	2512.9	862.1	220.0
1123	2576.0	688.8	220.0	1124	2964.1	-378.0	220.0	1125	3196.9	-1082.3	220.0
1126	3222.8	-1089.2	220.0	1127	2834.7	-22.4	220.0	1128	3067.5	-726.7	220.0
1129	2938.2	-371.1	220.0	1130	2808.8	-15.5	220.0	1131	2679.5	340.1	220.0
1132	2550.1	695.7	220.0	1133	3093.4	-733.6	220.0	1134	1735.1	2936.0	220.0
1135	2381.9	1158.0	220.0	1136	2252.5	1513.6	220.0	1137	2123.2	1869.2	220.0
1138	1993.8	2224.8	220.0	1139	1864.5	2580.4	220.0	1140	1761.0	2929.0	220.0
1141	2407.8	1151.0	220.0								

Nodo	X cm	Y cm	Z cm	Note	Rig. TX daN/cm	Rig. TY daN/cm	Rig. TZ daN/cm	Rig. RX daN cm/rad	Rig. RY daN cm/rad	Rig. RZ daN cm/rad
550	-185.4	70.9	-195.0	FS=4						
551	-315.4	427.9	-195.0	FS=4						
552	-445.4	785.0	-195.0	FS=4						
553	-575.3	1142.1	-195.0	FS=4						
555	-705.3	1499.2	-195.0	FS=4						
559	-965.2	2213.4	-195.0	FS=4						
560	-1095.2	2570.4	-195.0	FS=4						
561	-1225.2	2927.5	-195.0	FS=4						
562	-1355.1	3284.6	-195.0	FS=4						
563	-1485.1	3641.7	-195.0	FS=4						
600	-835.3	1856.3	-195.0	FS=4						
609	-471.3	1733.4	-195.0	FS=4						
613	-601.2	2090.4	-195.0	FS=4						
614	-731.2	2447.5	-195.0	FS=4						
615	-861.2	2804.6	-195.0	FS=4						
616	-991.1	3161.7	-195.0	FS=4						
617	-1100.6	3463.9	-195.0	FS=4						
618	-1230.0	3819.5	-195.0	FS=4						
621	48.6	305.0	-195.0	FS=4						
622	-81.4	662.1	-195.0	FS=4						
623	-211.3	1019.2	-195.0	FS=4						
624	-341.3	1376.3	-195.0	FS=4						
672	5257.8	223.6	0.0	FS=4						

686	5621.8	100.7	0.0	FS=4
690	5491.8	457.8	0.0	FS=4
691	5361.9	814.9	0.0	FS=4
692	5231.9	1172.0	0.0	FS=4
693	5101.9	1529.1	0.0	FS=4
694	4992.5	1831.3	0.0	FS=4
695	4863.1	2186.9	0.0	FS=4
698	2933.6	-764.9	-195.0	FS=4
699	2803.6	-407.8	-195.0	FS=4
700	2673.6	-50.7	-195.0	FS=4
701	2543.7	306.4	-195.0	FS=4
702	2413.7	663.5	-195.0	FS=4
706	2153.8	1377.6	-195.0	FS=4
707	2023.8	1734.7	-195.0	FS=4
708	1893.8	2091.8	-195.0	FS=4
709	1763.8	2448.9	-195.0	FS=4
710	1633.9	2806.0	-195.0	FS=4
746	2283.7	1020.5	-195.0	FS=4
755	2647.7	897.6	-195.0	FS=4
759	2517.7	1254.7	-195.0	FS=4
760	2387.8	1611.8	-195.0	FS=4
761	2257.8	1968.9	-195.0	FS=4
762	2127.8	2326.0	-195.0	FS=4
763	2018.4	2628.2	-195.0	FS=4
764	1889.0	2983.8	-195.0	FS=4
767	3167.6	-530.7	-195.0	FS=4
768	3037.6	-173.6	-195.0	FS=4
769	2907.6	183.5	-195.0	FS=4
770	2777.7	540.5	-195.0	FS=4
784	6141.7	-1327.6	0.0	FS=4
785	6011.7	-970.5	0.0	FS=4
786	5881.7	-613.4	0.0	FS=4
803	5751.8	-256.4	0.0	FS=4
843	5907.6	-1561.8	0.0	FS=4
844	5777.7	-1204.7	0.0	FS=4
845	5647.7	-847.6	0.0	FS=4
846	5517.7	-490.5	0.0	FS=4
847	5387.8	-133.4	0.0	FS=4
851	5127.8	580.7	0.0	FS=4
852	4997.9	937.8	0.0	FS=4
853	4867.9	1294.9	0.0	FS=4
854	4737.9	1652.0	0.0	FS=4
855	4608.0	2009.1	0.0	FS=4

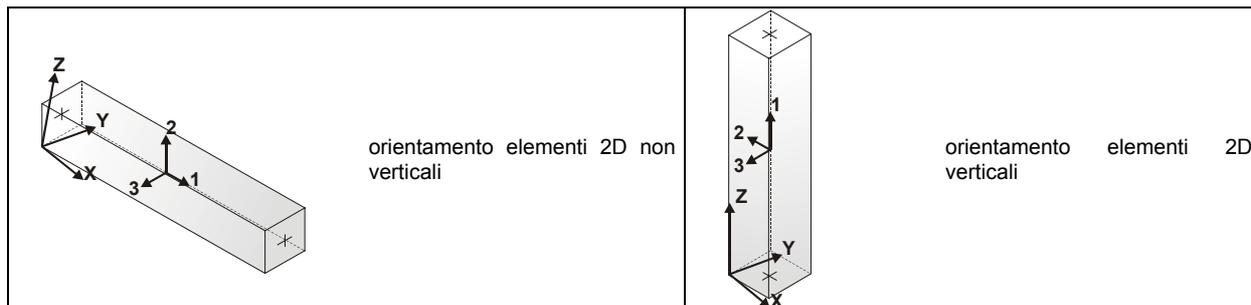
6. MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

6.1 TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.

Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
Svincolo I (J)	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Trave	1	886	1	1					
2	Pilas.	76	19	70	2			011111		
3	Trave	3	895	1	1					
4	Trave	5	904	1	1					
5	Pilas.	248	247	1	3					
6	Trave	7	913	1	1					
7	Trave	9	922	1	1					
8	Pilas.	80	79	1	3					
9	Trave	11	931	1	1					
10	Trave	13	940	1	1					
11	Pilas.	79	20	70	2			001111		
12	Trave	15	949	1	1					
13	Trave	17	958	1	1					
14	Pilas.	247	192	70	2			000111		
15	Trave	19	967	1	1					
16	Pilas.	23	22	1	3					
17	Pilas.	22	1	70	2			001111		
18	Pilas.	251	250	1	3					
19	Pilas.	26	25	1	3					
20	Pilas.	25	2	70	2			011111		
21	Pilas.	271	200	70	2			001111		
22	Pilas.	29	28	1	3					
23	Pilas.	28	3	70	2			011111		
24	Pilas.	250	166	70	2			001111		
25	Pilas.	32	31	1	3					
26	Pilas.	31	4	70	2			001111		
27	Pilas.	254	253	1	3					
28	Pilas.	35	34	1	3					
29	Pilas.	34	5	70	2			000111		
30	Pilas.	253	168	70	2			011111		
31	Pilas.	38	37	1	3					
32	Pilas.	37	6	70	2			010111		
33	Pilas.	257	256	1	3					
34	Pilas.	41	40	1	3					
35	Pilas.	40	7	70	2			010111		
36	Pilas.	256	195	70	2			011111		
37	Pilas.	44	43	1	3					
38	Pilas.	43	8	70	2			000111		
39	Pilas.	260	259	1	3					
40	Pilas.	47	46	1	3					
41	Pilas.	46	9	70	2			000111		
42	Pilas.	259	196	70	2			000111		
43	Pilas.	50	49	1	3					
44	Pilas.	49	10	70	2			010111		
45	Pilas.	263	262	1	3					
46	Pilas.	53	52	1	3					
47	Pilas.	52	11	70	2			010111		
48	Pilas.	262	165	70	2			001111		
49	Pilas.	56	55	1	3					
50	Pilas.	55	12	70	2			000111		
51	Pilas.	266	265	1	3					
52	Pilas.	59	58	1	3					
53	Pilas.	58	13	70	2			000111		
54	Pilas.	265	169	70	2			011111		
55	Pilas.	62	61	1	3					
56	Pilas.	61	14	70	2			010111		
57	Pilas.	269	268	1	3					
58	Pilas.	65	64	1	3					
59	Pilas.	64	15	70	2			010111		
60	Pilas.	268	199	70	2			011111		
61	Pilas.	68	67	1	3					
62	Pilas.	67	16	70	2			000111		
63	Pilas.	272	271	1	3					
64	Pilas.	71	70	1	3					
65	Pilas.	70	17	70	2			001111		
66	Pilas.	245	244	1	3					
67	Pilas.	74	73	1	3					
68	Pilas.	73	18	70	2			011111		

69	Pilas.	244	191	70	2	010111
70	Pilas.	77	76	1	3	
71	Trave	171	976	1	1	
72	Trave	179	985	1	1	
73	Trave	172	994	1	1	
74	Trave	183	1003	1	1	
75	Trave	173	1012	1	1	
76	Trave	187	1021	1	1	
77	Trave	174	1030	1	1	
78	Trave	191	1039	1	1	
79	Trave	166	1048	1	1	
80	Trave	195	1057	1	1	
81	Trave	165	1066	1	1	
82	Trave	199	45	1	1	
83	Pilas.	203	202	1	3	
84	Pilas.	202	171	70	2	001111
85	Pilas.	206	205	1	3	
86	Pilas.	205	178	70	2	011111
87	Pilas.	209	208	1	3	
88	Pilas.	208	179	70	2	011111
89	Pilas.	212	211	1	3	
90	Pilas.	211	180	70	2	001111
91	Pilas.	215	214	1	3	
92	Pilas.	214	172	70	2	001111
93	Pilas.	218	217	1	3	
94	Pilas.	217	182	70	2	011111
95	Pilas.	221	220	1	3	
96	Pilas.	220	183	70	2	011111
97	Pilas.	224	223	1	3	
98	Pilas.	223	184	70	2	000111
99	Pilas.	227	226	1	3	
100	Pilas.	226	173	70	2	000111
101	Pilas.	230	229	1	3	
102	Pilas.	229	186	70	2	010111
103	Pilas.	233	232	1	3	
104	Pilas.	232	187	70	2	010111
105	Pilas.	236	235	1	3	
106	Pilas.	235	188	70	2	000111
107	Pilas.	239	238	1	3	
108	Pilas.	238	174	70	2	000111
109	Pilas.	242	241	1	3	
110	Pilas.	241	190	70	2	010111
111	Trave	886	887	1	1	
112	Trave	887	888	1	1	
113	Trave	888	889	1	1	
114	Trave	889	890	1	1	
115	Trave	890	891	1	1	
116	Trave	891	892	1	1	
117	Trave	892	893	1	1	
118	Trave	893	894	1	1	
119	Trave	894	2	1	1	
120	Trave	895	896	1	1	
121	Trave	896	897	1	1	
122	Trave	897	898	1	1	
123	Trave	898	899	1	1	
124	Trave	899	900	1	1	
125	Trave	900	901	1	1	
126	Trave	901	902	1	1	
127	Trave	902	903	1	1	
128	Trave	903	4	1	1	
129	Trave	904	905	1	1	
130	Trave	905	906	1	1	
131	Trave	906	907	1	1	
132	Trave	907	908	1	1	
133	Trave	908	909	1	1	
134	Trave	909	910	1	1	
135	Trave	910	911	1	1	
136	Trave	911	912	1	1	
137	Trave	912	6	1	1	
138	Trave	913	914	1	1	
139	Trave	914	915	1	1	
140	Trave	915	916	1	1	

141	Trave	916	917	1	1
142	Trave	917	918	1	1
143	Trave	918	919	1	1
144	Trave	919	920	1	1
145	Trave	920	921	1	1
146	Trave	921	8	1	1
147	Trave	922	923	1	1
148	Trave	923	924	1	1
149	Trave	924	925	1	1
150	Trave	925	926	1	1
151	Trave	926	927	1	1
152	Trave	927	928	1	1
153	Trave	928	929	1	1
154	Trave	929	930	1	1
155	Trave	930	10	1	1
156	Trave	931	932	1	1
157	Trave	932	933	1	1
158	Trave	933	934	1	1
159	Trave	934	935	1	1
160	Trave	935	936	1	1
161	Trave	936	937	1	1
162	Trave	937	938	1	1
163	Trave	938	939	1	1
164	Trave	939	12	1	1
165	Trave	940	941	1	1
166	Trave	941	942	1	1
167	Trave	942	943	1	1
168	Trave	943	944	1	1
169	Trave	944	945	1	1
170	Trave	945	946	1	1
171	Trave	946	947	1	1
172	Trave	947	948	1	1
173	Trave	948	14	1	1
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175	Trave	950	951	1	1
176	Trave	951	952	1	1
177	Trave	952	953	1	1
178	Trave	953	954	1	1
179	Trave	954	955	1	1
180	Trave	955	956	1	1
181	Trave	956	957	1	1
182	Trave	957	16	1	1
183	Trave	958	959	1	1
184	Trave	959	960	1	1
185	Trave	960	961	1	1
186	Trave	961	962	1	1
187	Trave	962	963	1	1
188	Trave	963	964	1	1
189	Trave	964	965	1	1
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192	Trave	967	968	1	1
193	Trave	968	969	1	1
194	Trave	969	970	1	1
195	Trave	970	971	1	1
196	Trave	971	972	1	1
197	Trave	972	973	1	1
198	Trave	973	974	1	1
199	Trave	974	975	1	1
200	Trave	975	20	1	1
201	Trave	976	977	1	1
202	Trave	977	978	1	1
203	Trave	978	979	1	1
204	Trave	979	980	1	1
205	Trave	980	981	1	1
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207	Trave	982	983	1	1
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209	Trave	984	178	1	1
210	Trave	985	986	1	1
211	Trave	986	987	1	1
212	Trave	987	988	1	1

213	Trave	988	989	1	1
214	Trave	989	990	1	1
215	Trave	990	991	1	1
216	Trave	991	992	1	1
217	Trave	992	993	1	1
218	Trave	993	180	1	1
219	Trave	994	995	1	1
220	Trave	995	996	1	1
221	Trave	996	997	1	1
222	Trave	997	998	1	1
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224	Trave	999	1000	1	1
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226	Trave	1001	1002	1	1
227	Trave	1002	182	1	1
228	Trave	1003	1004	1	1
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230	Trave	1005	1006	1	1
231	Trave	1006	1007	1	1
232	Trave	1007	1008	1	1
233	Trave	1008	1009	1	1
234	Trave	1009	1010	1	1
235	Trave	1010	1011	1	1
236	Trave	1011	184	1	1
237	Trave	1012	1013	1	1
238	Trave	1013	1014	1	1
239	Trave	1014	1015	1	1
240	Trave	1015	1016	1	1
241	Trave	1016	1017	1	1
242	Trave	1017	1018	1	1
243	Trave	1018	1019	1	1
244	Trave	1019	1020	1	1
245	Trave	1020	186	1	1
246	Trave	1021	1022	1	1
247	Trave	1022	1023	1	1
248	Trave	1023	1024	1	1
249	Trave	1024	1025	1	1
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252	Trave	1027	1028	1	1
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305	Trave	60	63	1	1
306	Trave	63	66	1	1
307	Trave	66	69	1	1
308	Trave	69	200	1	1
309	Trave	165	166	1	4
310	Trave	339	165	1	4
311	Trave	166	174	1	4
312	Trave	174	173	1	4
313	Trave	173	172	1	4
314	Trave	172	171	1	4
315	Trave	171	336	1	4
316	Trave	313	17	1	4
317	Trave	17	13	1	4
318	Trave	13	9	1	4
319	Trave	9	5	1	4
320	Trave	5	1	1	4
321	Trave	1	289	1	4
322	Trave	342	169	1	4
323	Trave	169	168	1	4
324	Trave	168	190	1	4
325	Trave	195	191	1	4
326	Trave	199	195	1	4
327	Trave	343	199	1	4
328	Trave	191	187	1	4
329	Trave	190	186	1	4
330	Trave	180	1067	1	4
331	Trave	317	20	1	4
332	Trave	4	296	1	4
333	Trave	200	196	1	4
334	Trave	12	8	1	4
335	Trave	926	908	8	5
336	Trave	908	890	8	5
337	Trave	8	4	1	4
338	Trave	192	188	1	4
339	Trave	188	184	1	4
340	Trave	184	180	1	4
341	Trave	20	16	1	4
342	Trave	16	12	1	4
343	Trave	18	14	1	4
344	Trave	14	10	1	4
345	Trave	15	11	1	4
346	Trave	19	15	1	4
347	Trave	11	7	1	4
348	Trave	10	6	1	4
349	Trave	186	182	1	4
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351	Trave	183	179	1	4
352	Trave	187	183	1	4
353	Trave	7	3	1	4
354	Trave	6	2	1	4
355	Trave	179	333	1	4
356	Trave	178	331	1	4

357	Trave	196	192	1	4
358	Trave	314	18	1	4
359	Trave	315	19	1	4
360	Trave	2	294	1	4
361	Trave	3	295	1	4
362	Trave	345	200	1	4
363	Trave	30	1052	8	5
364	Trave	1052	1034	8	5
365	Trave	1034	1016	8	5
366	Trave	1016	998	8	5
367	Trave	998	980	8	5
368	Trave	962	944	8	5
369	Trave	944	926	8	5
370	Trave	1061	1043	8	5
371	Trave	57	1061	8	5
372	Trave	1043	1025	8	5
373	Trave	953	935	8	5
374	Trave	971	953	8	5
375	Trave	935	917	8	5
376	Trave	1007	989	8	5
377	Trave	1025	1007	8	5
378	Trave	917	899	8	5
379	Trave	72	170	8	5
380	Trave	246	270	8	5
381	Trave	270	167	8	5
382	Trave	167	297	8	5
383	Trave	297	298	8	5
384	Trave	298	869	8	5
385	Trave	869	870	8	5
386	Trave	870	871	8	5
387	Trave	871	872	8	5
388	Trave	872	873	8	5
389	Trave	873	255	8	5
390	Trave	170	194	8	5
391	Trave	194	198	8	5
392	Trave	198	201	8	5
393	Trave	201	204	8	5
394	Trave	204	207	8	5
395	Trave	207	210	8	5
396	Trave	210	213	8	5
397	Trave	213	216	8	5
398	Trave	216	75	8	5
399	Trave	885	267	8	5
400	Trave	243	329	8	5
401	Trave	258	874	8	5
402	Trave	78	219	8	5
403	Trave	874	875	8	5
404	Trave	219	222	8	5
405	Trave	875	876	8	5
406	Trave	222	225	8	5
407	Trave	876	878	8	5
408	Trave	225	228	8	5
409	Trave	878	879	8	5
410	Trave	228	231	8	5
411	Trave	879	880	8	5
412	Trave	231	234	8	5
413	Trave	880	881	8	5
414	Trave	234	237	8	5
415	Trave	881	884	8	5
416	Trave	237	240	8	5
417	Trave	884	885	8	5
418	Trave	240	243	8	5

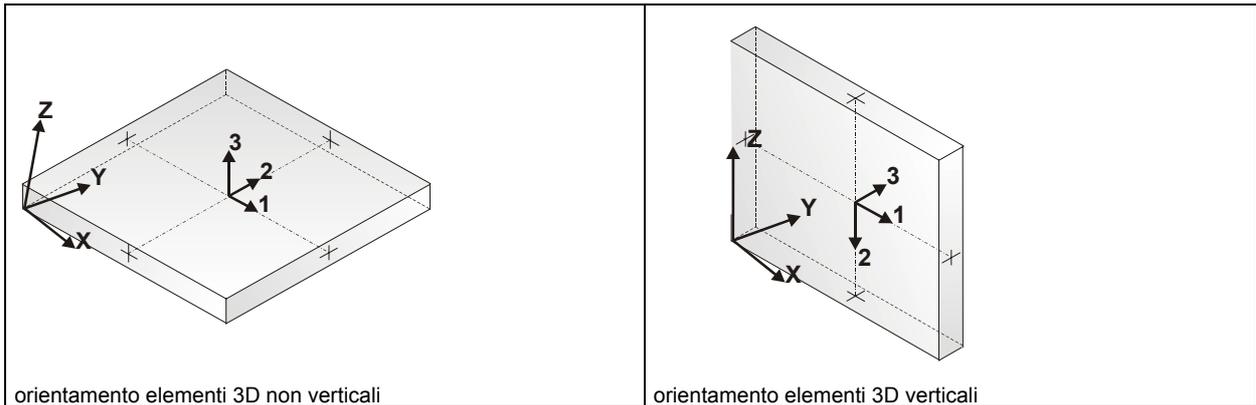
7. MODELLAZIONE STRUTTURA: ELEMENTI SHELL

7.1 LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.

Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: <i>Guscio</i> (elemento guscio in elevazione non verticale) <i>Guscio fond.</i> (elemento guscio su suolo elastico) <i>Setto</i> (elemento guscio in elevazione verticale) <i>Membrana</i> (elemento guscio con comportamento membranale)
Nodo I (J, K, L)	numero del nodo I (J, K, L)
Mat.	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Wink V daN/cm3	Wink O daN/cm3
1	Guscio	1105	1104	178	984	1	25.0		
2	Guscio	1108	1105	984	983	1	25.0		
3	Guscio	1109	1108	983	982	1	25.0		
4	Guscio	1080	1109	982	981	1	25.0		
5	Guscio	1102	1080	981	980	1	25.0		
6	Guscio	1068	1102	980	979	1	25.0		
7	Guscio	1069	1068	979	978	1	25.0		
8	Guscio	1070	1069	978	977	1	25.0		
9	Guscio	1071	1070	977	976	1	25.0		
10	Guscio	965	966	1091	1092	1	25.0		
11	Guscio	243	329	4	903	1	25.0		
12	Guscio	240	243	903	902	1	25.0		
13	Guscio	237	240	902	901	1	25.0		
14	Guscio	234	237	901	900	1	25.0		
15	Guscio	231	234	900	899	1	25.0		
16	Guscio	228	231	899	898	1	25.0		
17	Setto	35	451	450	449	1	150.0		
18	Setto	47	456	455	454	1	150.0		
19	Setto	59	460	459	458	1	150.0		
20	Setto	71	464	463	462	1	150.0		
21	Guscio	54	57	879	878	1	25.0		
22	Guscio	257	424	423	422	1	100.0		
23	Guscio	312	427	426	421	1	100.0		
24	Guscio	310	257	422	176	1	100.0		
25	Guscio	424	311	420	423	1	100.0		
26	Guscio	427	254	430	426	1	100.0		
27	Guscio	254	310	176	430	1	100.0		
28	Guscio	104	105	424	257	1	100.0		
29	Guscio	419	106	427	312	1	100.0		
30	Guscio	304	104	257	310	1	100.0		
31	Guscio	105	418	311	424	1	100.0		
32	Guscio	106	107	254	427	1	100.0		
33	Guscio	107	304	310	254	1	100.0		
34	Guscio	245	108	105	104	1	100.0		
35	Guscio	302	109	106	419	1	100.0		
36	Guscio	300	245	104	304	1	100.0		
37	Guscio	280	221	431	528	1	100.0		
38	Guscio	432	281	413	433	1	100.0		
39	Guscio	89	218	90	91	1	100.0		
40	Guscio	218	280	528	90	1	100.0		
41	Guscio	92	94	432	221	1	100.0		
42	Guscio	412	95	89	282	1	100.0		
43	Guscio	523	92	221	280	1	100.0		
44	Guscio	94	410	281	432	1	100.0		
45	Guscio	95	100	218	89	1	100.0		
46	Guscio	100	523	280	218	1	100.0		
47	Guscio	209	101	94	92	1	100.0		
48	Guscio	279	102	95	412	1	100.0		
49	Guscio	277	209	92	523	1	100.0		
50	Guscio	101	278	410	94	1	100.0		
51	Guscio	102	206	100	95	1	100.0		
52	Guscio	206	277	523	100	1	100.0		
53	Setto	147	468	467	466	1	150.0		
54	Setto	152	473	472	471	1	150.0		
55	Setto	138	477	476	475	1	150.0		
56	Setto	133	481	480	479	1	150.0		
57	Guscio	108	301	418	105	1	100.0		
58	Guscio	109	242	107	106	1	100.0		
59	Guscio	51	54	878	876	1	25.0		
60	Guscio	242	300	304	107	1	100.0		
61	Guscio	114	115	108	245	1	100.0		
62	Guscio	417	116	109	302	1	100.0		
63	Guscio	532	114	245	300	1	100.0		
64	Guscio	115	415	301	108	1	100.0		
65	Guscio	116	117	242	109	1	100.0		
66	Guscio	117	532	300	242	1	100.0		
67	Guscio	233	119	115	114	1	100.0		
68	Guscio	292	120	116	417	1	100.0		

69	Guscio	48	51	876	875	1	25.0
70	Guscio	290	233	114	532	1	100.0
71	Guscio	119	291	415	115	1	100.0
72	Guscio	120	230	117	116	1	100.0
73	Guscio	230	290	532	117	1	100.0
74	Guscio	431	433	119	233	1	100.0
75	Setto	44	485	484	483	1	150.0
76	Guscio	414	91	120	292	1	100.0
77	Guscio	528	431	233	290	1	100.0
78	Guscio	433	413	291	119	1	100.0
79	Guscio	91	90	230	120	1	100.0
80	Guscio	90	528	290	230	1	100.0
81	Guscio	221	432	433	431	1	100.0
82	Setto	56	490	489	488	1	150.0
83	Setto	68	494	493	492	1	150.0
84	Setto	80	498	497	496	1	150.0
85	Guscio	225	228	898	897	1	25.0
86	Guscio	222	225	897	896	1	25.0
87	Guscio	219	222	896	895	1	25.0
88	Guscio	78	219	895	3	1	25.0
89	Guscio	74	138	85	443	1	100.0
90	Guscio	369	367	378	374	1	100.0
91	Guscio	443	85	370	366	1	100.0
92	Guscio	366	370	382	395	1	100.0
93	Guscio	138	77	446	85	1	100.0
94	Guscio	446	445	367	369	1	100.0
95	Guscio	85	446	369	370	1	100.0
96	Guscio	370	369	374	382	1	100.0
97	Guscio	282	89	91	414	1	100.0
98	Guscio	121	123	124	77	1	100.0
99	Guscio	126	127	128	140	1	100.0
100	Guscio	477	121	77	138	1	100.0
101	Guscio	123	129	139	124	1	100.0
102	Guscio	127	130	74	128	1	100.0
103	Guscio	422	423	425	269	1	100.0
104	Guscio	421	426	428	322	1	100.0
105	Guscio	176	422	269	320	1	100.0
106	Guscio	423	420	321	425	1	100.0
107	Guscio	426	430	266	428	1	100.0
108	Guscio	430	176	320	266	1	100.0
109	Guscio	130	477	138	74	1	100.0
110	Guscio	65	136	123	121	1	100.0
111	Guscio	135	137	127	126	1	100.0
112	Guscio	133	65	121	477	1	100.0
113	Setto	215	502	501	500	1	150.0
114	Setto	227	507	506	505	1	150.0
115	Setto	239	511	510	509	1	150.0
116	Setto	251	515	514	513	1	150.0
117	Setto	263	519	518	517	1	150.0
118	Setto	280	523	522	521	1	150.0
119	Setto	290	528	527	526	1	150.0
120	Setto	300	532	531	530	1	150.0
121	Setto	310	304	308	307	1	150.0
122	Setto	320	176	122	98	1	150.0
123	Setto	224	406	405	403	1	150.0
124	Setto	236	113	110	409	1	150.0
125	Setto	248	283	161	132	1	150.0
126	Setto	260	287	286	285	1	150.0
127	Setto	272	372	323	318	1	150.0
128	Guscio	216	75	2	894	1	25.0
129	Guscio	213	216	894	893	1	25.0
130	Guscio	210	213	893	892	1	25.0
131	Guscio	207	210	892	891	1	25.0
132	Guscio	204	207	891	890	1	25.0
133	Guscio	201	204	890	889	1	25.0
134	Guscio	198	201	889	888	1	25.0
135	Guscio	194	198	888	887	1	25.0
136	Guscio	170	194	887	886	1	25.0
137	Guscio	72	170	886	1	1	25.0
138	Guscio	1126	78	3	1133	1	25.0
139	Guscio	69	200	267	885	1	25.0
140	Guscio	66	69	885	884	1	25.0

141	Guscio	63	66	884	881	1	25.0
142	Guscio	60	63	881	880	1	25.0
143	Guscio	57	60	880	879	1	25.0
144	Guscio	136	134	129	123	1	100.0
145	Guscio	137	62	130	127	1	100.0
146	Guscio	62	133	477	130	1	100.0
147	Guscio	141	145	136	65	1	100.0
148	Guscio	146	150	137	135	1	100.0
149	Guscio	481	141	65	133	1	100.0
150	Guscio	145	151	134	136	1	100.0
151	Guscio	150	155	62	137	1	100.0
152	Guscio	155	481	133	62	1	100.0
153	Guscio	53	156	145	141	1	100.0
154	Guscio	154	160	150	146	1	100.0
155	Guscio	152	53	141	481	1	100.0
156	Guscio	45	48	875	874	1	25.0
157	Guscio	156	153	151	145	1	100.0
158	Guscio	199	45	874	258	1	25.0
159	Guscio	160	50	155	150	1	100.0
160	Guscio	42	169	255	873	1	25.0
161	Guscio	50	152	481	155	1	100.0
162	Guscio	162	163	156	53	1	100.0
163	Guscio	39	42	873	872	1	25.0
164	Guscio	164	175	160	154	1	100.0
165	Guscio	473	162	53	152	1	100.0
166	Guscio	163	177	153	156	1	100.0
167	Guscio	175	185	50	160	1	100.0
168	Guscio	185	473	152	50	1	100.0
169	Guscio	41	189	163	162	1	100.0
170	Guscio	149	193	175	164	1	100.0
171	Guscio	147	41	162	473	1	100.0
172	Guscio	189	148	177	163	1	100.0
173	Guscio	193	38	185	175	1	100.0
174	Guscio	38	147	473	185	1	100.0
175	Guscio	249	252	189	41	1	100.0
176	Guscio	261	264	193	149	1	100.0
177	Guscio	468	249	41	147	1	100.0
178	Guscio	252	273	148	189	1	100.0
179	Guscio	264	274	38	193	1	100.0
180	Guscio	274	468	147	38	1	100.0
181	Guscio	29	275	252	249	1	100.0
182	Guscio	144	276	264	261	1	100.0
183	Guscio	142	29	249	468	1	100.0
184	Guscio	275	143	273	252	1	100.0
185	Guscio	276	26	274	264	1	100.0
186	Guscio	279	399	102		1	100.0
187	Guscio	36	39	872	871	1	25.0
188	Guscio	33	36	871	870	1	25.0
189	Guscio	30	33	870	869	1	25.0
190	Guscio	27	30	869	298	1	25.0
191	Setto	348	349	97	575	1	150.0
192	Setto	351	71	462	349	1	150.0
193	Setto	349	462	99	97	1	150.0
194	Setto	352	355	157	549	1	150.0
195	Setto	356	363	348	355	1	150.0
196	Setto	370	85	84	83	1	150.0
197	Setto	371	382	361	360	1	150.0
198	Setto	277	384	383	525	1	150.0
199	Setto	363	351	349	348	1	150.0
200	Setto	364	356	355	352	1	150.0
201	Setto	203	359	357	504	1	150.0
202	Guscio	128	74	443		1	100.0
203	Setto	867	387	386	385	1	150.0
204	Setto	868	390	389	388	1	150.0
205	Setto	212	392	391	408	1	150.0
206	Setto	355	348	575	157	1	150.0
207	Guscio	24	27	298	297	1	25.0
208	Guscio	21	24	297	167	1	25.0
209	Setto	504	357	112	325	1	150.0
210	Setto	359	364	352	357	1	150.0
211	Setto	357	352	549	112	1	150.0
212	Guscio	140	128	443	442	1	100.0

213	Guscio	446	77	124		1	100.0
214	Guscio	124	139	445	446	1	100.0
215	Setto	360	361	316	303	1	150.0
216	Setto	382	370	83	361	1	150.0
217	Setto	361	83	305	316	1	150.0
218	Setto	525	383	293	319	1	150.0
219	Setto	384	371	360	383	1	150.0
220	Setto	383	360	303	293	1	150.0
221	Setto	385	386	404	324	1	150.0
222	Setto	387	80	496	386	1	150.0
223	Setto	386	496	327	404	1	150.0
224	Setto	388	389	394	328	1	150.0
225	Setto	390	867	385	389	1	150.0
226	Setto	389	385	324	394	1	150.0
227	Setto	408	391	381	353	1	150.0
228	Guscio	1066	21	167	270	1	25.0
229	Setto	392	868	388	391	1	150.0
230	Setto	391	388	328	381	1	150.0
231	Setto	487	398	411	330	1	150.0
232	Guscio	165	1066	270	246	1	25.0
233	Setto	400	318	197	402	1	150.0
234	Setto	470	368	393	158	1	150.0
235	Guscio	1140	199	258	1114	1	25.0
236	Setto	376	98	334	429	1	150.0
237	Setto	439	517	350	416	1	150.0
238	Setto	453	444	380	81	1	150.0
239	Guscio	399	365	206	102	1	100.0
240	Guscio	448	395	397	396	1	100.0
241	Guscio	396	397	365	399	1	100.0
242	Setto	23	434	444	453	1	150.0
243	Setto	142	877	368	470	1	150.0
244	Setto	32	436	398	487	1	150.0
245	Setto	437	263	517	439	1	150.0
246	Setto	440	320	98	376	1	150.0
247	Setto	438	272	318	400	1	150.0
248	Setto	449	450	452	82	1	150.0
249	Setto	451	23	453	450	1	150.0
250	Setto	450	453	81	452	1	150.0
251	Setto	454	455	457	93	1	150.0
252	Setto	456	35	449	455	1	150.0
253	Setto	455	449	82	457	1	150.0
254	Setto	458	459	461	96	1	150.0
255	Setto	460	47	454	459	1	150.0
256	Setto	459	454	93	461	1	150.0
257	Setto	462	463	465	99	1	150.0
258	Setto	464	59	458	463	1	150.0
259	Setto	463	458	96	465	1	150.0
260	Setto	466	467	469	159	1	150.0
261	Setto	468	142	470	467	1	150.0
262	Setto	467	470	158	469	1	150.0
263	Setto	471	472	474	103	1	150.0
264	Setto	473	147	466	472	1	150.0
265	Setto	472	466	159	474	1	150.0
266	Setto	475	476	478	111	1	150.0
267	Setto	477	133	479	476	1	150.0
268	Setto	476	479	88	478	1	150.0
269	Setto	479	480	482	88	1	150.0
270	Setto	481	152	471	480	1	150.0
271	Setto	480	471	103	482	1	150.0
272	Setto	483	484	486	86	1	150.0
273	Setto	485	32	487	484	1	150.0
274	Setto	484	487	330	486	1	150.0
275	Setto	488	489	491	118	1	150.0
276	Setto	490	44	483	489	1	150.0
277	Setto	489	483	86	491	1	150.0
278	Setto	492	493	495	131	1	150.0
279	Setto	494	56	488	493	1	150.0
280	Setto	493	488	118	495	1	150.0
281	Setto	496	497	499	327	1	150.0
282	Setto	498	68	492	497	1	150.0
283	Setto	497	492	131	499	1	150.0
284	Setto	500	501	503	326	1	150.0

285	Setto	502	203	504	501	1	150.0
286	Setto	501	504	325	503	1	150.0
287	Setto	505	506	508	332	1	150.0
288	Setto	507	215	500	506	1	150.0
289	Setto	506	500	326	508	1	150.0
290	Setto	509	510	512	338	1	150.0
291	Setto	511	227	505	510	1	150.0
292	Setto	510	505	332	512	1	150.0
293	Setto	513	514	516	344	1	150.0
294	Setto	515	239	509	514	1	150.0
295	Setto	514	509	338	516	1	150.0
296	Setto	517	518	520	350	1	150.0
297	Setto	519	251	513	518	1	150.0
298	Setto	518	513	344	520	1	150.0
299	Setto	521	522	524	335	1	150.0
300	Setto	523	277	525	522	1	150.0
301	Setto	522	525	319	524	1	150.0
302	Setto	526	527	529	337	1	150.0
303	Setto	528	280	521	527	1	150.0
304	Setto	527	521	335	529	1	150.0
305	Setto	530	531	306	340	1	150.0
306	Setto	532	290	526	531	1	150.0
307	Setto	531	526	337	306	1	150.0
308	Setto	307	308	435	341	1	150.0
309	Setto	304	300	530	308	1	150.0
310	Setto	308	530	340	435	1	150.0
311	Setto	98	122	401	334	1	150.0
312	Setto	176	310	307	122	1	150.0
313	Setto	122	307	341	401	1	150.0
314	Setto	403	405	407	354	1	150.0
315	Setto	406	212	408	405	1	150.0
316	Setto	405	408	353	407	1	150.0
317	Setto	409	110	125	358	1	150.0
318	Setto	113	224	403	110	1	150.0
319	Setto	110	403	354	125	1	150.0
320	Setto	132	161	284	362	1	150.0
321	Setto	283	236	409	161	1	150.0
322	Setto	161	409	358	284	1	150.0
323	Setto	285	286	288	181	1	150.0
324	Setto	287	248	132	286	1	150.0
325	Setto	286	132	362	288	1	150.0
326	Setto	318	323	373	197	1	150.0
327	Setto	372	260	285	323	1	150.0
328	Setto	323	285	181	373	1	150.0
329	Setto	83	84	87	305	1	150.0
330	Setto	85	138	475	84	1	150.0
331	Setto	84	475	111	87	1	150.0
332	Guscio	26	142	468	274	1	100.0
333	Guscio	374	378	379	375	1	100.0
334	Guscio	395	382	371	397	1	100.0
335	Guscio	397	371	384	365	1	100.0
336	Guscio	365	384	277	206	1	100.0
337	Guscio	375	379	441	377	1	100.0
338	Guscio	382	374	375	371	1	100.0
339	Guscio	371	375	377	384	1	100.0
340	Guscio	384	377	209	277	1	100.0
341	Guscio	101	441	278		1	100.0
342	Guscio	377	441	101	209	1	100.0
343	Guscio	442	443	366	447	1	100.0
344	Guscio	447	366	395	448	1	100.0
345	Guscio	882	536	275	29	1	100.0
346	Guscio	535	537	276	144	1	100.0
347	Guscio	533	882	29	142	1	100.0
348	Guscio	536	534	143	275	1	100.0
349	Guscio	537	883	26	276	1	100.0
350	Guscio	883	533	142	26	1	100.0
351	Guscio	269	425	541	545	1	100.0
352	Guscio	322	428	542	540	1	100.0
353	Guscio	320	269	545	538	1	100.0
354	Guscio	425	321	539	541	1	100.0
355	Guscio	428	266	546	542	1	100.0
356	Guscio	266	320	538	546	1	100.0

357	Guscio	564	380	81	550	1	150.0
358	Guscio	590	564	550	576	1	150.0
359	Guscio	550	81	452	566	1	150.0
360	Guscio	576	550	566	592	1	150.0
361	Guscio	566	452	82	551	1	150.0
362	Guscio	592	566	551	577	1	150.0
363	Guscio	551	82	457	567	1	150.0
364	Guscio	577	551	567	593	1	150.0
365	Guscio	567	457	93	552	1	150.0
366	Guscio	593	567	552	578	1	150.0
367	Guscio	552	93	461	568	1	150.0
368	Guscio	578	552	568	594	1	150.0
369	Guscio	568	461	96	553	1	150.0
370	Guscio	594	568	553	579	1	150.0
371	Guscio	553	96	465	569	1	150.0
372	Guscio	579	553	569	595	1	150.0
373	Guscio	569	465	99	555	1	150.0
374	Guscio	595	569	555	581	1	150.0
375	Guscio	555	99	97	554	1	150.0
376	Guscio	581	555	554	580	1	150.0
377	Guscio	580	554	603	604	1	150.0
378	Guscio	554	97	575	603	1	150.0
379	Guscio	603	575	157	601	1	150.0
380	Guscio	604	603	601	583	1	150.0
381	Guscio	601	157	549	599	1	150.0
382	Guscio	583	601	599	558	1	150.0
383	Guscio	599	549	112	600	1	150.0
384	Guscio	558	599	600	582	1	150.0
385	Guscio	600	112	325	602	1	150.0
386	Guscio	582	600	602	584	1	150.0
387	Guscio	602	325	503	570	1	150.0
388	Guscio	584	602	570	596	1	150.0
389	Guscio	570	503	326	559	1	150.0
390	Guscio	596	570	559	585	1	150.0
391	Guscio	559	326	508	571	1	150.0
392	Guscio	585	559	571	597	1	150.0
393	Guscio	571	508	332	560	1	150.0
394	Guscio	597	571	560	586	1	150.0
395	Guscio	560	332	512	572	1	150.0
396	Guscio	586	560	572	598	1	150.0
397	Guscio	572	512	338	561	1	150.0
398	Guscio	598	572	561	587	1	150.0
399	Guscio	561	338	516	573	1	150.0
400	Guscio	587	561	573	556	1	150.0
401	Guscio	573	516	344	562	1	150.0
402	Guscio	556	573	562	588	1	150.0
403	Guscio	562	344	520	574	1	150.0
404	Guscio	588	562	574	557	1	150.0
405	Guscio	574	520	350	563	1	150.0
406	Guscio	557	574	563	589	1	150.0
407	Guscio	589	563	565	591	1	150.0
408	Guscio	563	350	416	565	1	150.0
409	Guscio	380	619	605	81	1	150.0
410	Guscio	81	605	621	452	1	150.0
411	Guscio	452	621	606	82	1	150.0
412	Guscio	82	606	622	457	1	150.0
413	Guscio	457	622	607	93	1	150.0
414	Guscio	93	607	623	461	1	150.0
415	Guscio	461	623	608	96	1	150.0
416	Guscio	96	608	624	465	1	150.0
417	Guscio	465	624	610	99	1	150.0
418	Guscio	99	610	609	97	1	150.0
419	Guscio	97	609	632	575	1	150.0
420	Guscio	575	632	612	157	1	150.0
421	Guscio	157	612	630	549	1	150.0
422	Guscio	549	630	611	112	1	150.0
423	Guscio	112	611	613	325	1	150.0
424	Guscio	325	613	625	503	1	150.0
425	Guscio	503	625	614	326	1	150.0
426	Guscio	326	614	626	508	1	150.0
427	Guscio	508	626	615	332	1	150.0
428	Guscio	332	615	627	512	1	150.0

429	Guscio	512	627	616	338	1	150.0
430	Guscio	338	616	628	516	1	150.0
431	Guscio	516	628	617	344	1	150.0
432	Guscio	344	617	629	520	1	150.0
433	Guscio	520	629	618	350	1	150.0
434	Guscio	350	618	620	416	1	150.0
435	Guscio	619	647	633	605	1	150.0
436	Guscio	605	633	649	621	1	150.0
437	Guscio	621	649	634	606	1	150.0
438	Guscio	606	634	650	622	1	150.0
439	Guscio	622	650	635	607	1	150.0
440	Guscio	607	635	651	623	1	150.0
441	Guscio	623	651	636	608	1	150.0
442	Guscio	608	636	652	624	1	150.0
443	Guscio	624	652	638	610	1	150.0
444	Guscio	610	638	637	609	1	150.0
445	Guscio	609	637	684	632	1	150.0
446	Guscio	632	684	682	612	1	150.0
447	Guscio	612	682	680	630	1	150.0
448	Guscio	630	680	681	611	1	150.0
449	Guscio	611	681	683	613	1	150.0
450	Guscio	613	683	653	625	1	150.0
451	Guscio	625	653	642	614	1	150.0
452	Guscio	614	642	654	626	1	150.0
453	Guscio	626	654	643	615	1	150.0
454	Guscio	615	643	655	627	1	150.0
455	Guscio	627	655	644	616	1	150.0
456	Guscio	616	644	656	628	1	150.0
457	Guscio	628	656	645	617	1	150.0
458	Guscio	617	645	657	629	1	150.0
459	Guscio	629	657	646	618	1	150.0
460	Guscio	618	646	648	620	1	150.0
461	Guscio	711	393	158	698	1	150.0
462	Guscio	736	711	698	722	1	150.0
463	Guscio	698	158	469	713	1	150.0
464	Guscio	722	698	713	738	1	150.0
465	Guscio	713	469	159	699	1	150.0
466	Guscio	738	713	699	723	1	150.0
467	Guscio	699	159	474	714	1	150.0
468	Guscio	723	699	714	739	1	150.0
469	Guscio	714	474	103	700	1	150.0
470	Guscio	739	714	700	724	1	150.0
471	Guscio	700	103	482	715	1	150.0
472	Guscio	724	700	715	740	1	150.0
473	Guscio	715	482	88	701	1	150.0
474	Guscio	740	715	701	725	1	150.0
475	Guscio	701	88	478	716	1	150.0
476	Guscio	725	701	716	741	1	150.0
477	Guscio	716	478	111	702	1	150.0
478	Guscio	741	716	702	727	1	150.0
479	Guscio	702	111	87	346	1	150.0
480	Guscio	727	702	346	726	1	150.0
481	Guscio	726	346	749	750	1	150.0
482	Guscio	346	87	305	749	1	150.0
483	Guscio	749	305	316	747	1	150.0
484	Guscio	750	749	747	729	1	150.0
485	Guscio	747	316	303	745	1	150.0
486	Guscio	729	747	745	705	1	150.0
487	Guscio	745	303	293	746	1	150.0
488	Guscio	705	745	746	728	1	150.0
489	Guscio	746	293	319	748	1	150.0
490	Guscio	728	746	748	730	1	150.0
491	Guscio	748	319	524	717	1	150.0
492	Guscio	730	748	717	742	1	150.0
493	Guscio	717	524	335	706	1	150.0
494	Guscio	742	717	706	731	1	150.0
495	Guscio	706	335	529	718	1	150.0
496	Guscio	731	706	718	743	1	150.0
497	Guscio	718	529	337	707	1	150.0
498	Guscio	743	718	707	732	1	150.0
499	Guscio	707	337	306	719	1	150.0
500	Guscio	732	707	719	744	1	150.0

501	Guscio	719	306	340	708	1	150.0
502	Guscio	744	719	708	733	1	150.0
503	Guscio	708	340	435	720	1	150.0
504	Guscio	733	708	720	703	1	150.0
505	Guscio	720	435	341	709	1	150.0
506	Guscio	703	720	709	734	1	150.0
507	Guscio	709	341	401	721	1	150.0
508	Guscio	734	709	721	704	1	150.0
509	Guscio	721	401	334	710	1	150.0
510	Guscio	704	721	710	735	1	150.0
511	Guscio	735	710	712	737	1	150.0
512	Guscio	710	334	429	712	1	150.0
513	Guscio	393	765	751	158	1	150.0
514	Guscio	158	751	767	469	1	150.0
515	Guscio	469	767	752	159	1	150.0
516	Guscio	159	752	768	474	1	150.0
517	Guscio	474	768	753	103	1	150.0
518	Guscio	103	753	769	482	1	150.0
519	Guscio	482	769	754	88	1	150.0
520	Guscio	88	754	770	478	1	150.0
521	Guscio	478	770	756	111	1	150.0
522	Guscio	111	756	755	87	1	150.0
523	Guscio	87	755	777	305	1	150.0
524	Guscio	305	777	758	316	1	150.0
525	Guscio	316	758	776	303	1	150.0
526	Guscio	303	776	757	293	1	150.0
527	Guscio	293	757	759	319	1	150.0
528	Guscio	319	759	771	524	1	150.0
529	Guscio	524	771	760	335	1	150.0
530	Guscio	335	760	772	529	1	150.0
531	Guscio	529	772	761	337	1	150.0
532	Guscio	337	761	773	306	1	150.0
533	Guscio	306	773	762	340	1	150.0
534	Guscio	340	762	774	435	1	150.0
535	Guscio	435	774	763	341	1	150.0
536	Guscio	341	763	775	401	1	150.0
537	Guscio	401	775	764	334	1	150.0
538	Guscio	334	764	766	429	1	150.0
539	Guscio	765	792	778	751	1	150.0
540	Guscio	751	778	794	767	1	150.0
541	Guscio	767	794	779	752	1	150.0
542	Guscio	752	779	795	768	1	150.0
543	Guscio	768	795	780	753	1	150.0
544	Guscio	753	780	796	769	1	150.0
545	Guscio	769	796	781	754	1	150.0
546	Guscio	754	781	797	770	1	150.0
547	Guscio	770	797	783	756	1	150.0
548	Guscio	756	783	782	755	1	150.0
549	Guscio	755	782	829	777	1	150.0
550	Guscio	777	829	827	758	1	150.0
551	Guscio	758	827	825	776	1	150.0
552	Guscio	776	825	826	757	1	150.0
553	Guscio	757	826	828	759	1	150.0
554	Guscio	759	828	798	771	1	150.0
555	Guscio	771	798	787	760	1	150.0
556	Guscio	760	787	799	772	1	150.0
557	Guscio	772	799	788	761	1	150.0
558	Guscio	761	788	800	773	1	150.0
559	Guscio	773	800	789	762	1	150.0
560	Guscio	762	789	801	774	1	150.0
561	Guscio	774	801	790	763	1	150.0
562	Guscio	763	790	802	775	1	150.0
563	Guscio	775	802	791	764	1	150.0
564	Guscio	764	791	793	766	1	150.0
565	Guscio	856	411	330	843	1	150.0
566	Guscio	662	856	843	299	1	150.0
567	Guscio	843	330	486	858	1	150.0
568	Guscio	299	843	858	664	1	150.0
569	Guscio	858	486	86	844	1	150.0
570	Guscio	664	858	844	309	1	150.0
571	Guscio	844	86	491	859	1	150.0
572	Guscio	309	844	859	665	1	150.0

573	Guscio	859	491	118	845	1	150.0
574	Guscio	665	859	845	543	1	150.0
575	Guscio	845	118	495	860	1	150.0
576	Guscio	543	845	860	666	1	150.0
577	Guscio	860	495	131	846	1	150.0
578	Guscio	666	860	846	544	1	150.0
579	Guscio	846	131	499	861	1	150.0
580	Guscio	544	846	861	667	1	150.0
581	Guscio	861	499	327	847	1	150.0
582	Guscio	667	861	847	548	1	150.0
583	Guscio	847	327	404	347	1	150.0
584	Guscio	548	847	347	547	1	150.0
585	Guscio	547	347	675	676	1	150.0
586	Guscio	347	404	324	675	1	150.0
587	Guscio	675	324	394	673	1	150.0
588	Guscio	676	675	673	639	1	150.0
589	Guscio	673	394	328	671	1	150.0
590	Guscio	639	673	671	850	1	150.0
591	Guscio	671	328	381	672	1	150.0
592	Guscio	850	671	672	631	1	150.0
593	Guscio	672	381	353	674	1	150.0
594	Guscio	631	672	674	640	1	150.0
595	Guscio	674	353	407	862	1	150.0
596	Guscio	640	674	862	668	1	150.0
597	Guscio	862	407	354	851	1	150.0
598	Guscio	668	862	851	641	1	150.0
599	Guscio	851	354	125	863	1	150.0
600	Guscio	641	851	863	669	1	150.0
601	Guscio	863	125	358	852	1	150.0
602	Guscio	669	863	852	658	1	150.0
603	Guscio	852	358	284	864	1	150.0
604	Guscio	658	852	864	670	1	150.0
605	Guscio	864	284	362	853	1	150.0
606	Guscio	670	864	853	659	1	150.0
607	Guscio	853	362	288	865	1	150.0
608	Guscio	659	853	865	848	1	150.0
609	Guscio	865	288	181	854	1	150.0
610	Guscio	848	865	854	660	1	150.0
611	Guscio	854	181	373	866	1	150.0
612	Guscio	660	854	866	849	1	150.0
613	Guscio	866	373	197	855	1	150.0
614	Guscio	849	866	855	661	1	150.0
615	Guscio	661	855	857	663	1	150.0
616	Guscio	855	197	402	857	1	150.0
617	Guscio	411	696	677	330	1	150.0
618	Guscio	330	677	784	486	1	150.0
619	Guscio	486	784	678	86	1	150.0
620	Guscio	86	678	785	491	1	150.0
621	Guscio	491	785	679	118	1	150.0
622	Guscio	118	679	786	495	1	150.0
623	Guscio	495	786	685	131	1	150.0
624	Guscio	131	685	803	499	1	150.0
625	Guscio	499	803	687	327	1	150.0
626	Guscio	327	687	686	404	1	150.0
627	Guscio	404	686	810	324	1	150.0
628	Guscio	324	810	689	394	1	150.0
629	Guscio	394	689	809	328	1	150.0
630	Guscio	328	809	688	381	1	150.0
631	Guscio	381	688	690	353	1	150.0
632	Guscio	353	690	804	407	1	150.0
633	Guscio	407	804	691	354	1	150.0
634	Guscio	354	691	805	125	1	150.0
635	Guscio	125	805	692	358	1	150.0
636	Guscio	358	692	806	284	1	150.0
637	Guscio	284	806	693	362	1	150.0
638	Guscio	362	693	807	288	1	150.0
639	Guscio	288	807	694	181	1	150.0
640	Guscio	181	694	808	373	1	150.0
641	Guscio	373	808	695	197	1	150.0
642	Guscio	197	695	697	402	1	150.0
643	Guscio	696	830	811	677	1	150.0
644	Guscio	677	811	832	784	1	150.0

645	Guscio	784	832	812	678	1	150.0
646	Guscio	678	812	833	785	1	150.0
647	Guscio	785	833	813	679	1	150.0
648	Guscio	679	813	834	786	1	150.0
649	Guscio	786	834	814	685	1	150.0
650	Guscio	685	814	835	803	1	150.0
651	Guscio	803	835	816	687	1	150.0
652	Guscio	687	816	815	686	1	150.0
653	Guscio	686	815	842	810	1	150.0
654	Guscio	810	842	819	689	1	150.0
655	Guscio	689	819	817	809	1	150.0
656	Guscio	809	817	818	688	1	150.0
657	Guscio	688	818	841	690	1	150.0
658	Guscio	690	841	836	804	1	150.0
659	Guscio	804	836	820	691	1	150.0
660	Guscio	691	820	837	805	1	150.0
661	Guscio	805	837	821	692	1	150.0
662	Guscio	692	821	838	806	1	150.0
663	Guscio	806	838	822	693	1	150.0
664	Guscio	693	822	839	807	1	150.0
665	Guscio	807	839	823	694	1	150.0
666	Guscio	694	823	840	808	1	150.0
667	Guscio	808	840	824	695	1	150.0
668	Guscio	695	824	831	697	1	150.0
669	Guscio	1065	196	200	69	1	25.0
670	Guscio	1064	1065	69	66	1	25.0
671	Guscio	1063	1064	66	63	1	25.0
672	Guscio	1062	1063	63	60	1	25.0
673	Guscio	1061	1062	60	57	1	25.0
674	Guscio	1060	1061	57	54	1	25.0
675	Guscio	1059	1060	54	51	1	25.0
676	Guscio	1058	1059	51	48	1	25.0
677	Guscio	1057	1058	48	45	1	25.0
678	Guscio	195	1057	45	199	1	25.0
679	Guscio	987	988	1006	1005	1	25.0
680	Guscio	1047	192	196	1065	1	25.0
681	Guscio	1046	1047	1065	1064	1	25.0
682	Guscio	1045	1046	1064	1063	1	25.0
683	Guscio	1044	1045	1063	1062	1	25.0
684	Guscio	1043	1044	1062	1061	1	25.0
685	Guscio	1042	1043	1061	1060	1	25.0
686	Guscio	1041	1042	1060	1059	1	25.0
687	Guscio	1040	1041	1059	1058	1	25.0
688	Guscio	1039	1040	1058	1057	1	25.0
689	Guscio	191	1039	1057	195	1	25.0
690	Guscio	986	987	1005	1004	1	25.0
691	Guscio	1029	188	192	1047	1	25.0
692	Guscio	1028	1029	1047	1046	1	25.0
693	Guscio	1027	1028	1046	1045	1	25.0
694	Guscio	1026	1027	1045	1044	1	25.0
695	Guscio	1025	1026	1044	1043	1	25.0
696	Guscio	1024	1025	1043	1042	1	25.0
697	Guscio	1023	1024	1042	1041	1	25.0
698	Guscio	1022	1023	1041	1040	1	25.0
699	Guscio	1021	1022	1040	1039	1	25.0
700	Guscio	187	1021	1039	191	1	25.0
701	Guscio	985	986	1004	1003	1	25.0
702	Guscio	1011	184	188	1029	1	25.0
703	Guscio	1010	1011	1029	1028	1	25.0
704	Guscio	1009	1010	1028	1027	1	25.0
705	Guscio	1008	1009	1027	1026	1	25.0
706	Guscio	1007	1008	1026	1025	1	25.0
707	Guscio	1006	1007	1025	1024	1	25.0
708	Guscio	1005	1006	1024	1023	1	25.0
709	Guscio	1004	1005	1023	1022	1	25.0
710	Guscio	1003	1004	1022	1021	1	25.0
711	Guscio	183	1003	1021	187	1	25.0
712	Guscio	179	985	1003	183	1	25.0
713	Guscio	993	180	184	1011	1	25.0
714	Guscio	992	993	1011	1010	1	25.0
715	Guscio	991	992	1010	1009	1	25.0
716	Guscio	990	991	1009	1008	1	25.0

717	Guscio	989	990	1008	1007	1	25.0
718	Guscio	988	989	1007	1006	1	25.0
719	Guscio	957	16	20	975	1	25.0
720	Guscio	956	957	975	974	1	25.0
721	Guscio	955	956	974	973	1	25.0
722	Guscio	954	955	973	972	1	25.0
723	Guscio	953	954	972	971	1	25.0
724	Guscio	952	953	971	970	1	25.0
725	Guscio	951	952	970	969	1	25.0
726	Guscio	950	951	969	968	1	25.0
727	Guscio	949	950	968	967	1	25.0
728	Guscio	15	949	967	19	1	25.0
729	Guscio	939	12	16	957	1	25.0
730	Guscio	938	939	957	956	1	25.0
731	Guscio	937	938	956	955	1	25.0
732	Guscio	936	937	955	954	1	25.0
733	Guscio	935	936	954	953	1	25.0
734	Guscio	934	935	953	952	1	25.0
735	Guscio	933	934	952	951	1	25.0
736	Guscio	932	933	951	950	1	25.0
737	Guscio	931	932	950	949	1	25.0
738	Guscio	11	931	949	15	1	25.0
739	Guscio	921	8	12	939	1	25.0
740	Guscio	920	921	939	938	1	25.0
741	Guscio	919	920	938	937	1	25.0
742	Guscio	918	919	937	936	1	25.0
743	Guscio	917	918	936	935	1	25.0
744	Guscio	916	917	935	934	1	25.0
745	Guscio	915	916	934	933	1	25.0
746	Guscio	914	915	933	932	1	25.0
747	Guscio	913	914	932	931	1	25.0
748	Guscio	7	913	931	11	1	25.0
749	Guscio	903	4	8	921	1	25.0
750	Guscio	902	903	921	920	1	25.0
751	Guscio	901	902	920	919	1	25.0
752	Guscio	900	901	919	918	1	25.0
753	Guscio	899	900	918	917	1	25.0
754	Guscio	898	899	917	916	1	25.0
755	Guscio	897	898	916	915	1	25.0
756	Guscio	896	897	915	914	1	25.0
757	Guscio	895	896	914	913	1	25.0
758	Guscio	3	895	913	7	1	25.0
759	Guscio	1056	168	169	42	1	25.0
760	Guscio	1055	1056	42	39	1	25.0
761	Guscio	1054	1055	39	36	1	25.0
762	Guscio	1053	1054	36	33	1	25.0
763	Guscio	1052	1053	33	30	1	25.0
764	Guscio	1051	1052	30	27	1	25.0
765	Guscio	1050	1051	27	24	1	25.0
766	Guscio	1049	1050	24	21	1	25.0
767	Guscio	1048	1049	21	1066	1	25.0
768	Guscio	166	1048	1066	165	1	25.0
769	Guscio	1038	190	168	1056	1	25.0
770	Guscio	1037	1038	1056	1055	1	25.0
771	Guscio	1036	1037	1055	1054	1	25.0
772	Guscio	1035	1036	1054	1053	1	25.0
773	Guscio	1034	1035	1053	1052	1	25.0
774	Guscio	1033	1034	1052	1051	1	25.0
775	Guscio	1032	1033	1051	1050	1	25.0
776	Guscio	1031	1032	1050	1049	1	25.0
777	Guscio	1030	1031	1049	1048	1	25.0
778	Guscio	174	1030	1048	166	1	25.0
779	Guscio	1020	186	190	1038	1	25.0
780	Guscio	1019	1020	1038	1037	1	25.0
781	Guscio	1018	1019	1037	1036	1	25.0
782	Guscio	1017	1018	1036	1035	1	25.0
783	Guscio	1016	1017	1035	1034	1	25.0
784	Guscio	1015	1016	1034	1033	1	25.0
785	Guscio	1014	1015	1033	1032	1	25.0
786	Guscio	1013	1014	1032	1031	1	25.0
787	Guscio	1012	1013	1031	1030	1	25.0
788	Guscio	173	1012	1030	174	1	25.0

789	Guscio	1002	182	186	1020	1	25.0
790	Guscio	1001	1002	1020	1019	1	25.0
791	Guscio	1000	1001	1019	1018	1	25.0
792	Guscio	999	1000	1018	1017	1	25.0
793	Guscio	998	999	1017	1016	1	25.0
794	Guscio	997	998	1016	1015	1	25.0
795	Guscio	996	997	1015	1014	1	25.0
796	Guscio	995	996	1014	1013	1	25.0
797	Guscio	994	995	1013	1012	1	25.0
798	Guscio	172	994	1012	173	1	25.0
799	Guscio	984	178	182	1002	1	25.0
800	Guscio	983	984	1002	1001	1	25.0
801	Guscio	982	983	1001	1000	1	25.0
802	Guscio	981	982	1000	999	1	25.0
803	Guscio	980	981	999	998	1	25.0
804	Guscio	979	980	998	997	1	25.0
805	Guscio	978	979	997	996	1	25.0
806	Guscio	977	978	996	995	1	25.0
807	Guscio	976	977	995	994	1	25.0
808	Guscio	171	976	994	172	1	25.0
809	Guscio	948	14	18	966	1	25.0
810	Guscio	947	948	966	965	1	25.0
811	Guscio	946	947	965	964	1	25.0
812	Guscio	945	946	964	963	1	25.0
813	Guscio	944	945	963	962	1	25.0
814	Guscio	943	944	962	961	1	25.0
815	Guscio	942	943	961	960	1	25.0
816	Guscio	941	942	960	959	1	25.0
817	Guscio	940	941	959	958	1	25.0
818	Guscio	13	940	958	17	1	25.0
819	Guscio	930	10	14	948	1	25.0
820	Guscio	929	930	948	947	1	25.0
821	Guscio	928	929	947	946	1	25.0
822	Guscio	927	928	946	945	1	25.0
823	Guscio	926	927	945	944	1	25.0
824	Guscio	925	926	944	943	1	25.0
825	Guscio	924	925	943	942	1	25.0
826	Guscio	923	924	942	941	1	25.0
827	Guscio	922	923	941	940	1	25.0
828	Guscio	9	922	940	13	1	25.0
829	Guscio	912	6	10	930	1	25.0
830	Guscio	911	912	930	929	1	25.0
831	Guscio	910	911	929	928	1	25.0
832	Guscio	909	910	928	927	1	25.0
833	Guscio	908	909	927	926	1	25.0
834	Guscio	907	908	926	925	1	25.0
835	Guscio	906	907	925	924	1	25.0
836	Guscio	905	906	924	923	1	25.0
837	Guscio	904	905	923	922	1	25.0
838	Guscio	5	904	922	9	1	25.0
839	Guscio	894	2	6	912	1	25.0
840	Guscio	893	894	912	911	1	25.0
841	Guscio	892	893	911	910	1	25.0
842	Guscio	891	892	910	909	1	25.0
843	Guscio	890	891	909	908	1	25.0
844	Guscio	889	890	908	907	1	25.0
845	Guscio	888	889	907	906	1	25.0
846	Guscio	887	888	906	905	1	25.0
847	Guscio	886	887	905	904	1	25.0
848	Guscio	1	886	904	5	1	25.0
849	Guscio	1133	3	7	1124	1	25.0
850	Guscio	1124	7	11	1127	1	25.0
851	Guscio	1127	11	15	1120	1	25.0
852	Guscio	1120	15	19	1123	1	25.0
853	Guscio	1141	179	183	1112	1	25.0
854	Guscio	1112	183	187	1115	1	25.0
855	Guscio	1115	187	191	1116	1	25.0
856	Guscio	1116	191	195	1119	1	25.0
857	Guscio	1119	195	199	1140	1	25.0
858	Guscio	964	965	1092	1093	1	25.0
859	Guscio	963	964	1093	1094	1	25.0
860	Guscio	1074	1073	992	991	1	25.0

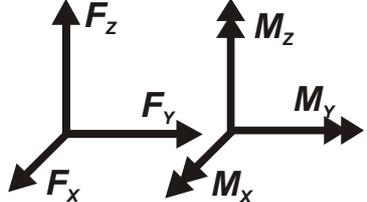
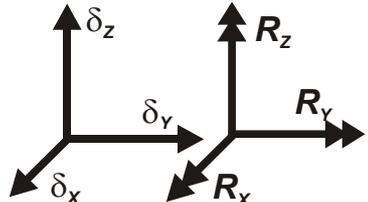
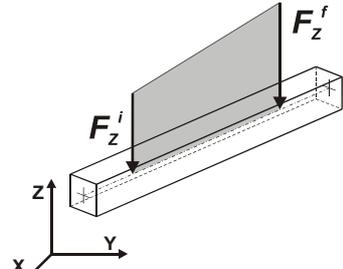
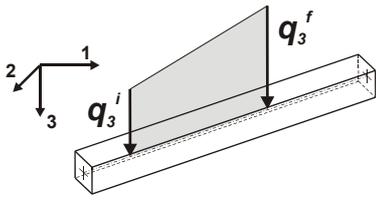
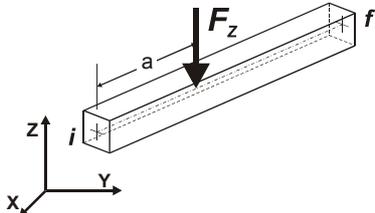
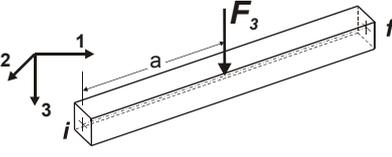
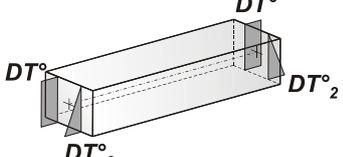
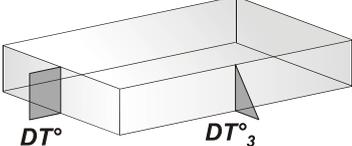
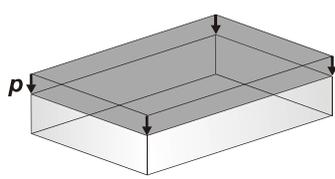
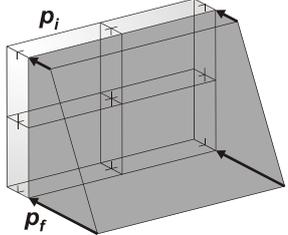
861	Guscio	1075	1074	991	990	1	25.0
862	Guscio	1076	1075	990	989	1	25.0
863	Guscio	1077	1076	989	988	1	25.0
864	Guscio	1078	1077	988	987	1	25.0
865	Guscio	1079	1078	987	986	1	25.0
866	Guscio	1081	1079	986	985	1	25.0
867	Guscio	1072	1081	985	179	1	25.0
868	Guscio	1118	1072	179	1141	1	25.0
869	Guscio	962	963	1094	1095	1	25.0
870	Guscio	961	962	1095	1096	1	25.0
871	Guscio	960	961	1096	1097	1	25.0
872	Guscio	959	960	1097	1098	1	25.0
873	Guscio	958	959	1098	1099	1	25.0
874	Guscio	974	975	1100	1101	1	25.0
875	Guscio	973	974	1101	1082	1	25.0
876	Guscio	972	973	1082	1083	1	25.0
877	Guscio	971	972	1083	1084	1	25.0
878	Guscio	970	971	1084	1085	1	25.0
879	Guscio	969	970	1085	1086	1	25.0
880	Guscio	968	969	1086	1087	1	25.0
881	Guscio	967	968	1087	1088	1	25.0
882	Guscio	19	967	1088	1089	1	25.0
883	Guscio	1123	19	1089	1122	1	25.0
884	Guscio	966	18	1090	1091	1	25.0
885	Guscio	1073	1103	993	992	1	25.0
886	Guscio	1103	1106	180	993	1	25.0
887	Guscio	975	20	1107	1100	1	25.0
888	Guscio	1110	1071	976	171	1	25.0
889	Guscio	17	958	1099	1111	1	25.0
890	Guscio	75	1125	1128	2	1	25.0
891	Guscio	2	1128	1129	6	1	25.0
892	Guscio	6	1129	1130	10	1	25.0
893	Guscio	10	1130	1131	14	1	25.0
894	Guscio	14	1131	1132	18	1	25.0
895	Guscio	18	1132	1121	1090	1	25.0
896	Guscio	169	1134	1113	255	1	25.0
897	Guscio	178	1135	1136	182	1	25.0
898	Guscio	182	1136	1137	186	1	25.0
899	Guscio	186	1137	1138	190	1	25.0
900	Guscio	190	1138	1139	168	1	25.0
901	Guscio	168	1139	1134	169	1	25.0
902	Guscio	1104	1117	1135	178	1	25.0

8. MODELLAZIONE DELLE AZIONI

8.1 LEGENDA TABELLA DATI AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	carico concentrato nodale 6 dati (forza F_x , F_y , F_z , momento M_x , M_y , M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x , T_y , T_z , rotazione R_x , R_y , R_z)
3	carico distribuito globale su elemento tipo trave 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di inizio carico) 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di inizio carico) 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (F_x , F_y , F_z , M_x , M_y , M_z , ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F_1 , F_2 , F_3 , M_1 , M_2 , M_3 , ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)

 <p>Carico nodale concentrato</p>	 <p>Spostamento impresso</p>
 <p>Carico globale distribuito</p>	 <p>Carico locale distribuito</p>
 <p>Carico globale concentrato</p>	 <p>Carico locale concentrato</p>
 <p>Carico termico 2D</p>	 <p>Carico termico 3D</p>
 <p>Carico uniforme pressione</p>	 <p>Carico variabile pressione</p>

Tipo carico distribuito globale su trave

Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
			m	kN/ m	kN/ m	kN/ m	kN	kN
3	Q1K	0.0	0.0	0.0	-200.00	0.0	0.0	0.0
		0.0	0.0	0.0	-200.00	0.0	0.0	0.0
4	Q2K	0.0	0.0	0.0	-66.67	0.0	0.0	0.0
		0.0	0.0	0.0	-66.67	0.0	0.0	0.0
5	Q3K	0.0	0.0	0.0	-33.33	0.0	0.0	0.0
		0.0	0.0	0.0	-33.33	0.0	0.0	0.0
11	FRENATURA X+	0.0	35.00	0.0	0.0	0.0	0.0	0.0
		0.0	35.00	0.0	0.0	0.0	0.0	0.0
12	FRENATURA X-	0.0	-35.00	0.0	0.0	0.0	0.0	0.0
		0.0	-35.00	0.0	0.0	0.0	0.0	0.0

Tipo carico variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		m	kN/ m2	m	kN/ m2
1	qrk Z - Z Qz Area L2=0.0	2.19	-2.50	2.21	-2.50
2	q1k Y - Y Qz Area L2=0.0	2.19	-6.50	2.21	-6.50
6	Stx+ Z - Z Qx Area L2=0.0	-1.95	31.82	2.20	0.0
7	Stx- Z - Z Qx Area L2=0.0	-1.95	-32.82	2.20	0.0
8	Ssx+ Z - Z Qx Area L2=0.0	-1.95	11.21	2.20	11.21
9	Ssx- Z - Z Qx Area L2=0.0	-1.95	-11.21	2.20	-11.21
10	PACCHETTO Z - Z Qz Area L2=0.0	2.19	-2.00	2.21	-2.00

9. SCHEMATIZZAZIONE DEI CASI DI CARICO

9.1 LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.

Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	Tipo	Descrizione
1	Ggk	A	caso di carico comprensivo del peso proprio struttura
2	Gk	NA	caso di carico con azioni permanenti
3	Qk	NA	caso di carico con azioni variabili
4	Gsk	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	Qsk	A	caso di carico comprensivo dei carichi variabili sui solai
6	Qnk	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	Qtk	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	Qvk	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	Esk	SA	caso di carico sismico con analisi statica equivalente
10	Edk	SA	caso di carico sismico con analisi dinamica
11	Pk	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico: 7-Qtk, in quanto richiede solo il valore della variazione termica;

9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso: *Numero Tipo e Sigla identificativa, Valore di riferimento* del caso di carico (se previsto).

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

Per i casi di carico di tipo sismico (9-Esk e 10-Edk) sono riportati i valori assunti per angolo di ingresso, intensità sismica, coefficiente di struttura e di fondazione se le analisi sono eseguite con il D.M. 96; sono riportati i valori di angolo di ingresso, fattore di importanza, zona sismica, accelerazione ag, categoria suolo, fattore di struttura, classe di duttilità, fattore riduzione per SLD se le analisi sono eseguite con l'Ordinanza 3274.

Per ogni caso di carico partecipante alla definizione delle masse viene riportata la relativa aliquota (partecipazione) considerata.

Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Qk	carico stradale distribuito	
			D3 :da 1 a 16 Azione : qrk
			D3 : 21 Azione : qrk
			D3 : 59 Azione : qrk
			D3 : 69 Azione : qrk
			D3 :da 85 a 88 Azione : qrk
			D3 :da 128 a 143 Azione : qrk
			D3 : 156 Azione : qrk
			D3 : 158 Azione : qrk
			D3 : 160 Azione : qrk
			D3 : 163 Azione : qrk
			D3 :da 187 a 190 Azione : qrk
			D3 :da 207 a 208 Azione : qrk
			D3 : 228 Azione : qrk
			D3 : 232 Azione : qrk
			D3 : 235 Azione : qrk
			D3 :da 669 a 678 Azione : qrk
			D3 : 679 Azione : qrk
			D3 :da 680 a 689 Azione : qrk
			D3 :da 690 a 701 Azione : qrk
			D3 :da 702 a 711 Azione : qrk
			D3 :da 712 a 728 Azione : qrk
			D3 :da 729 a 767 Azione : qrk
			D3 : 768 Azione : qrk
			D3 :da 769 a 777 Azione : qrk
			D3 : 778 Azione : qrk
			D3 :da 779 a 788 Azione : qrk
			D3 :da 789 a 796 Azione : qrk
			D3 : 797 Azione : qrk
			D3 : 798 Azione : qrk
			D3 :da 799 a 818 Azione : qrk
			D3 :da 819 a 851 Azione : qrk
			D3 :da 852 a 853 Azione : qrk
			D3 : 854 Azione : qrk
			D3 : 855 Azione : qrk
			D3 :da 856 a 857 Azione : qrk
			D3 :da 858 a 890 Azione : qrk
			D3 :da 891 a 893 Azione : qrk
			D3 :da 894 a 897 Azione : qrk
			D3 : 898 Azione : qrk
			D3 : 899 Azione : qrk
			D3 :da 900 a 901 Azione : qrk
			D3 : 902 Azione : qrk
3	Qk	QA	
			D2 : 309 Azione : FRENATURA X-
			D2 : 309 Azione : Q1K
			D2 : 311 Azione : Q2K
			D2 : 312 Azione : Q3K
			D2 : 318 Azione : Q3K
			D2 : 319 Azione : Q2K
			D2 : 320 Azione : FRENATURA X+
			D2 : 320 Azione : Q1K
			D3 :da 669 a 678 Azione : qrk
			D3 :da 749 a 767 Azione : qrk
			D3 : 768 Azione : q1k
			D3 :da 839 a 851 Azione : qrk
			D3 : 857 Azione : qrk
			D3 :da 891 a 893 Azione : qrk
			D3 : 901 Azione : qrk
4	Qk	QB	
			D2 : 335 Azione : FRENATURA X+
			D2 : 335 Azione : Q1K
			D2 : 364 Azione : FRENATURA X-
			D2 : 364 Azione : Q1K
			D2 : 365 Azione : Q2K
			D2 : 366 Azione : Q3K

CDC	Tipo	Sigla Id	Note
			D2 : 368 Azione : Q3K
			D2 : 369 Azione : Q2K
			D3 :da 680 a 689 Azione : qrk
			D3 :da 739 a 767 Azione : qrk
			D3 :da 769 a 777 Azione : qrk
			D3 : 778 Azione : q1k
			D3 :da 829 a 851 Azione : qrk
			D3 :da 856 a 857 Azione : qrk
			D3 :da 892 a 893 Azione : qrk
			D3 :da 900 a 901 Azione : qrk
5	Qk	QC	
			D2 : 329 Azione : Q3K
			D2 : 343 Azione : Q3K
			D2 :da 344 a 345 Azione : FRENATURA X+
			D2 :da 344 a 345 Azione : Q1K
			D2 : 348 Azione : Q2K
			D2 : 349 Azione : FRENATURA X-
			D2 : 349 Azione : Q1K
			D2 : 350 Azione : Q2K
			D3 :da 702 a 711 Azione : qrk
			D3 :da 729 a 767 Azione : qrk
			D3 :da 789 a 796 Azione : qrk
			D3 : 797 Azione : q1k
			D3 : 797 Azione : qrk
			D3 : 798 Azione : q1k
			D3 : 798 Azione : qrk
			D3 :da 819 a 851 Azione : qrk
			D3 : 854 Azione : qrk
			D3 : 893 Azione : qrk
			D3 : 898 Azione : qrk
6	Qk	QD	
			D2 : 328 Azione : Q2K
			D2 : 345 Azione : FRENATURA X+
			D2 : 345 Azione : Q1K
			D2 : 346 Azione : Q2K
			D2 : 347 Azione : Q3K
			D2 : 351 Azione : Q3K
			D2 : 352 Azione : FRENATURA X-
			D2 : 352 Azione : Q1K
			D3 :da 702 a 711 Azione : qrk
			D3 :da 729 a 767 Azione : qrk
			D3 :da 789 a 796 Azione : qrk
			D3 : 797 Azione : qrk
			D3 : 798 Azione : q1k
			D3 :da 819 a 851 Azione : qrk
			D3 : 854 Azione : qrk
			D3 : 893 Azione : qrk
			D3 : 898 Azione : qrk
7	Qk	QE	
			D2 : 372 Azione : FRENATURA X-
			D2 : 372 Azione : Q1K
			D2 : 373 Azione : Q2K
			D2 : 374 Azione : Q3K
			D2 : 375 Azione : FRENATURA X+
			D2 : 375 Azione : Q1K
			D2 : 376 Azione : Q3K
			D2 : 377 Azione : Q2K
			D3 :da 680 a 689 Azione : qrk
			D3 :da 739 a 767 Azione : qrk
			D3 :da 769 a 777 Azione : qrk
			D3 : 778 Azione : q1k
			D3 :da 829 a 851 Azione : qrk
			D3 :da 856 a 857 Azione : qrk
			D3 :da 892 a 893 Azione : qrk
			D3 :da 900 a 901 Azione : qrk
8	Qk	QF	
			D2 : 333 Azione : FRENATURA X-
			D2 : 333 Azione : Q1K
			D2 : 334 Azione : Q2K

CDC	Tipo	Sigla Id	Note
			D2 : 337 Azione : FRENATURA X+
			D2 : 337 Azione : Q1K
			D2 : 338 Azione : Q3K
			D2 :da 342 a 343 Azione : Q3K
			D2 : 357 Azione : Q2K
			D3 :da 669 a 678 Azione : qrk
			D3 :da 749 a 767 Azione : qrk
			D3 : 768 Azione : q1k
			D3 :da 839 a 851 Azione : qrk
			D3 : 857 Azione : qrk
			D3 :da 891 a 893 Azione : qrk
			D3 : 901 Azione : qrk
9	Qk	carichi permanenti	
			D3 :da 1 a 16 Azione : qrk
			D3 :da 17 a 20 Azione : Stx+
			D3 : 21 Azione : qrk
			D3 : 59 Azione : qrk
			D3 : 69 Azione : qrk
			D3 : 75 Azione : Stx-
			D3 :da 82 a 84 Azione : Stx-
			D3 :da 85 a 88 Azione : qrk
			D3 :da 113 a 117 Azione : Stx+
			D3 :da 123 a 127 Azione : Stx-
			D3 :da 128 a 143 Azione : qrk
			D3 : 156 Azione : qrk
			D3 : 158 Azione : qrk
			D3 : 160 Azione : qrk
			D3 : 163 Azione : qrk
			D3 :da 187 a 190 Azione : qrk
			D3 :da 191 a 195 Azione : Stx+
			D3 :da 199 a 201 Azione : Stx+
			D3 :da 203 a 205 Azione : Stx-
			D3 : 206 Azione : Stx+
			D3 :da 207 a 208 Azione : qrk
			D3 :da 209 a 211 Azione : Stx+
			D3 :da 221 a 227 Azione : Stx-
			D3 : 228 Azione : qrk
			D3 :da 229 a 231 Azione : Stx-
			D3 : 232 Azione : PACCHETTO
			D3 : 233 Azione : Stx-
			D3 : 235 Azione : qrk
			D3 :da 237 a 238 Azione : Stx+
			D3 : 242 Azione : Stx+
			D3 : 244 Azione : Stx-
			D3 : 245 Azione : Stx+
			D3 : 247 Azione : Stx-
			D3 :da 248 a 259 Azione : Stx+
			D3 :da 272 a 283 Azione : Stx-
			D3 :da 284 a 298 Azione : Stx+
			D3 :da 314 a 328 Azione : Stx-
			D3 :da 669 a 678 Azione : qrk
			D3 : 679 Azione : qrk
			D3 :da 680 a 689 Azione : qrk
			D3 :da 690 a 701 Azione : qrk
			D3 :da 702 a 711 Azione : qrk
			D3 :da 712 a 728 Azione : qrk
			D3 :da 729 a 767 Azione : qrk
			D3 : 768 Azione : qrk
			D3 :da 769 a 777 Azione : qrk
			D3 : 778 Azione : qrk
			D3 :da 779 a 788 Azione : qrk
			D3 :da 789 a 796 Azione : qrk
			D3 : 797 Azione : qrk
			D3 : 798 Azione : qrk
			D3 :da 799 a 818 Azione : qrk
			D3 :da 819 a 851 Azione : qrk
			D3 :da 852 a 853 Azione : qrk
			D3 : 854 Azione : qrk
			D3 : 855 Azione : qrk

CDC	Tipo	Sigla Id	Note
			D3 :da 856 a 857 Azione : qrk
			D3 :da 858 a 890 Azione : qrk
			D3 :da 891 a 893 Azione : qrk
			D3 :da 894 a 897 Azione : qrk
			D3 : 898 Azione : qrk
			D3 : 899 Azione : qrk
			D3 :da 900 a 901 Azione : qrk
			D3 : 902 Azione : qrk
10	Qk	spinta terreno sismica	
			D3 :da 17 a 20 Azione : Ssx+
			D3 : 75 Azione : Ssx-
			D3 :da 82 a 84 Azione : Ssx-
			D3 :da 113 a 117 Azione : Ssx+
			D3 :da 123 a 127 Azione : Ssx-
			D3 :da 191 a 195 Azione : Ssx+
			D3 :da 199 a 201 Azione : Ssx+
			D3 :da 203 a 205 Azione : Ssx-
			D3 : 206 Azione : Ssx+
			D3 :da 209 a 211 Azione : Ssx+
			D3 :da 221 a 227 Azione : Ssx-
			D3 :da 229 a 231 Azione : Ssx-
			D3 : 233 Azione : Ssx-
			D3 :da 237 a 238 Azione : Ssx+
			D3 : 242 Azione : Ssx+
			D3 : 244 Azione : Ssx-
			D3 : 245 Azione : Ssx+
			D3 : 247 Azione : Ssx-
			D3 :da 248 a 259 Azione : Ssx+
			D3 :da 272 a 283 Azione : Ssx-
			D3 :da 284 a 298 Azione : Ssx+
			D3 :da 314 a 328 Azione : Ssx-
11	Esk	CDC=Esk (sisma stat. equiv.) alfa=0.0	
			angolo di ingresso:0.0
			intensità sismica:0.10
			protezione sismica:1.00
			coefficiente di struttura:1.00
			coefficiente di fondazione:1.00
			partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
12	Esk	CDC=Esk (sisma stat. equiv.) alfa=90.00	
			angolo di ingresso:90.00
			intensità sismica:0.10
			protezione sismica:1.00
			coefficiente di struttura:1.00
			coefficiente di fondazione:1.00
			partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)

10. DEFINIZIONE DELLE COMBINAZIONI

10.1 LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente.

Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La tabella delle combinazioni riportata di seguito comprende le seguenti informazioni:

Numero, Tipo, Sigla identificativa e, per ogni caso di carico significativo, il peso nella combinazione.

Cmb	Tipo	Sigla Id	Peso	CDC
1	SLU	STR 01	1.35	CDC=Ggk (peso proprio della struttura)
			1.35	carico stradale distribuito
			1.35	QA
			1.50	carichi permanenti
2	SLU	STR 02	1.35	CDC=Ggk (peso proprio della struttura)
			1.35	carico stradale distribuito
			1.35	QB
			1.50	carichi permanenti
3	SLU	STR 03	1.35	CDC=Ggk (peso proprio della struttura)
			1.35	carico stradale distribuito
			1.35	QC
			1.50	carichi permanenti
4	SLU	STR 04	1.35	CDC=Ggk (peso proprio della struttura)
			1.35	carico stradale distribuito
			1.35	QD
			1.50	carichi permanenti
5	SLU	STR 05	1.35	CDC=Ggk (peso proprio della struttura)
			1.35	carico stradale distribuito
			1.35	QE
			1.50	carichi permanenti
6	SLU	STR 06	1.35	CDC=Ggk (peso proprio della struttura)
			1.35	carico stradale distribuito
			1.35	QF
			1.50	carichi permanenti
7	SLU	STR 07	1.35	CDC=Ggk (peso proprio della struttura)
			1.35	carico stradale distribuito
			1.50	carichi permanenti
			1.00	CDC=Ggk (peso proprio della struttura)
8	SLU	GEO	1.15	carico stradale distribuito
			1.15	QC
			1.30	carichi permanenti
			1.00	CDC=Ggk (peso proprio della struttura)
9	SLE(f)	SLE FREQUENTE 01	0.75	carico stradale distribuito
			0.75	QA
			1.00	carichi permanenti
			1.00	CDC=Ggk (peso proprio della struttura)
10	SLE(f)	SLE FREQUENTE 02	0.75	carico stradale distribuito
			0.75	QC
			1.00	carichi permanenti
			1.00	CDC=Ggk (peso proprio della struttura)
11	SLE(f)	SLE FREQUENTE 03	0.75	carico stradale distribuito
			0.75	QF
			1.00	carichi permanenti
			1.00	CDC=Ggk (peso proprio della struttura)

11. RISULTATI ANALISI SISMICHE

11.1 LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

- 9. Esk** caso di carico sismico con analisi statica equivalente
10. Edk caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

L'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi.

Nella colonna Note sono riportati gli usuali coefficienti definiti nel D.M. 96; se le analisi sono effettuate secondo l'Ordinanza 3274 sono riportati i seguenti valori:

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza - Tabella 4.3
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore di struttura q	Fattore dipendente dalla tipologia strutturale
Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Per ciascun caso di carico sismico viene riportato l'insieme di dati sottoriportati (le masse sono espresse in unità di forza):

- a) **analisi sismica statica equivalente:**
- quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo)
 - azione sismica complessiva
- b) **analisi sismica dinamica con spettro di risposta:**
- quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo)
 - frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
 - massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica (analisi effettuate con il D.M. 96) viene riportato il livello di deformazione η_T , η_P e η_D degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità $1000 \cdot \eta_T/h$ da confrontare direttamente con il valore 2 o 4 per la verifica.

Per ciascuna combinazione sismica definita SLD (analisi effettuate con l'Ordinanza 3274) viene riportato il livello di deformazione η_T (d_r) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità $1000 \cdot \eta_T/h$ da confrontare direttamente con i valori forniti dall'ordinanza (5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo l'allegato 10.A dell'Ordinanza 3274 e smi. In particolare la tabella, per ogni combinazione SLU sismica riporta il codice di verifica e i valori utilizzati per la verifica: spostamento d_E , area ridotta e dimensione A_2 , azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

Nodo	Nodo di appoggio dell'isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva, NV – verifica negativa, ND – verifica non completata

12. RISULTATI OPERE DI FONDAZIONE

12.1 LEGENDA RISULTATI OPERE DI FONDAZIONE

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alle tabelle sottoriportate.

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.

Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (espresse nel riferimento globale della struttura) per ogni palo componente l'opera.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	codice corrispondente al nome assegnato al tipo di plinto di fondazione: 3) palo singolo (<i>PALO</i>) 4) plinto su palo 5) plinto su due pali (<i>PL.2P</i>) 6) plinto su tre pali (<i>PL.3P</i>) 7) plinto su quattro pali (<i>PL.4P</i>) 8) plinto rettangolare su cinque pali (<i>PL.5P.R</i>) 9) plinto pentagonale su cinque pali (<i>PL.5P</i>) 10) plinto su sei pali (<i>PL.6P</i>)
Palo	numero del palo
Comb.	combinazione di carico in cui si verificano le sei componenti di sollecitazione.
Quota	quota assoluta della sezione del palo per cui si riportano le sei componenti di sollecitazione.

L'azione F_z (corrispondente allo sforzo normale nel palo) è costante poiché il peso del palo stesso non è considerato nella modellazione.

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	Codice identificativo del nome assegnato al plinto
area	area dell'impronta del plinto
Wink O Wink V	coefficienti di Winkler (orizzontale e verticale) adottati
Comb	Combinazione di carico in cui si verificano i valori riportati
Pt (P1 P2 P3 P4)	valori di pressione nei vertici

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.

Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
				m	kN	kN	kN	kN m	kN m	kN m
550	PALO D 120.00	1	1	-195.00	197.55	21.27	-2093.94	-59.77	-505.16	5.67e-04
		1	2	-195.00	195.67	16.16	-1834.50	-37.08	-511.89	5.23e-04
		1	3	-195.00	192.88	15.11	-1728.37	-34.50	-506.28	5.35e-04
		1	4	-195.00	160.50	8.06	-1833.51	-16.60	-414.64	-1.56e-05
		1	5	-195.00	161.15	8.51	-1849.20	-18.46	-415.46	3.19e-06
		1	6	-195.00	161.28	9.29	-1872.86	-22.34	-414.12	1.74e-05
		1	7	-195.00	161.54	8.61	-1822.65	-18.89	-417.41	7.28e-06
		1	8	-195.00	169.28	12.74	-1267.00	-28.07	-452.19	4.61e-04
		1	9	-195.00	126.48	12.79	-1483.74	-35.49	-320.05	3.13e-04
		1	10	-195.00	123.89	9.37	-1280.65	-21.45	-320.67	2.95e-04
		1	11	-195.00	106.33	6.14	-1360.92	-14.69	-269.48	8.02e-06
551	PALO D 120.00	1	1	-195.00	197.76	11.99	-1552.90	-17.35	-534.61	4.62e-04
		1	2	-195.00	195.30	7.30	-1415.14	3.89	-535.77	4.27e-04
		1	3	-195.00	192.16	5.84	-1316.37	8.58	-528.86	4.38e-04
		1	4	-195.00	170.05	3.72	-1416.05	8.09	-468.51	-2.75e-05
		1	5	-195.00	170.46	4.05	-1421.46	6.61	-468.91	-1.17e-05
		1	6	-195.00	170.59	4.55	-1423.74	4.00	-468.32	0.0
		1	7	-195.00	170.74	4.04	-1396.86	6.70	-470.43	-8.07e-06
		1	8	-195.00	167.89	4.96	-939.15	7.85	-467.28	3.79e-04
		1	9	-195.00	128.05	7.06	-1124.57	-8.66	-344.62	2.53e-04
		1	10	-195.00	124.94	3.64	-993.16	5.75	-341.42	2.39e-04
		1	11	-195.00	112.96	2.93	-1052.81	3.21	-307.79	-3.76e-06
552	PALO D 120.00	1	1	-195.00	195.78	4.04	-1244.24	16.91	-551.12	4.54e-04
		1	2	-195.00	192.69	0.26	-1207.02	33.96	-546.51	4.19e-04
		1	3	-195.00	189.44	-1.87	-1133.48	42.31	-539.57	4.26e-04
		1	4	-195.00	176.29	-0.03	-1190.84	28.94	-502.28	-2.42e-05
		1	5	-195.00	176.53	0.18	-1187.08	27.77	-502.72	-9.61e-06
		1	6	-195.00	176.71	0.27	-1178.96	27.21	-503.08	1.18e-06
		1	7	-195.00	176.74	-0.01	-1168.40	28.80	-504.04	-6.44e-06
		1	8	-195.00	165.05	-1.46	-796.43	35.72	-473.77	3.68e-04
		1	9	-195.00	127.89	2.14	-921.29	13.16	-358.93	2.49e-04
		1	10	-195.00	124.37	-1.14	-859.76	27.27	-352.51	2.33e-04
		1	11	-195.00	117.30	0.05	-885.03	18.88	-332.24	-2.79e-06
553	PALO D 120.00	1	1	-195.00	191.15	-2.12	-1100.79	41.52	-551.72	4.39e-04
		1	2	-195.00	187.78	-4.40	-1123.98	51.13	-543.47	4.02e-04
		1	3	-195.00	184.41	-6.47	-1086.79	59.37	-536.07	3.96e-04
		1	4	-195.00	179.43	-2.59	-1092.75	42.44	-519.08	3.04e-06
		1	5	-195.00	179.55	-2.55	-1083.11	41.99	-519.64	1.44e-05
		1	6	-195.00	179.67	-2.68	-1074.40	42.54	-520.24	2.26e-05
		1	7	-195.00	179.66	-2.77	-1072.92	43.17	-520.50	1.64e-05
		1	8	-195.00	160.47	-5.27	-762.71	49.66	-469.36	3.41e-04
		1	9	-195.00	125.81	-1.63	-827.85	28.69	-361.85	2.44e-04
		1	10	-195.00	122.06	-4.05	-820.07	38.61	-353.15	2.20e-04
		1	11	-195.00	119.43	-1.95	-813.19	29.26	-344.35	1.28e-05
555	PALO D 120.00	1	1	-195.00	185.35	-7.53	-1062.76	63.07	-544.11	7.08e-04
		1	2	-195.00	182.36	-8.64	-1110.93	67.20	-535.88	6.31e-04
		1	3	-195.00	179.08	-9.93	-1102.86	71.88	-528.32	5.83e-04
		1	4	-195.00	181.14	-4.94	-1072.30	54.28	-529.97	7.36e-05
		1	5	-195.00	181.11	-5.01	-1060.60	54.31	-530.25	8.55e-05
		1	6	-195.00	181.10	-5.19	-1054.33	54.98	-530.52	9.40e-05
		1	7	-195.00	181.09	-5.13	-1056.83	54.91	-530.51	8.67e-05
		1	8	-195.00	155.71	-8.11	-777.84	59.68	-461.65	4.98e-04
		1	9	-195.00	122.85	-4.97	-804.16	42.33	-359.34	4.03e-04
		1	10	-195.00	119.37	-6.30	-826.44	47.23	-350.56	3.34e-04
		1	11	-195.00	120.49	-3.67	-799.48	37.84	-351.78	6.19e-05
559	PALO D 120.00	1	1	-195.00	171.98	-14.01	-1194.31	84.80	-513.04	2.97e-04
		1	2	-195.00	171.38	-12.94	-1255.92	80.20	-512.07	2.20e-04
		1	3	-195.00	170.07	-11.07	-1242.93	70.52	-510.27	1.38e-04
		1	4	-195.00	179.87	-6.06	-1153.06	56.52	-530.62	8.48e-05
		1	5	-195.00	179.71	-6.30	-1141.77	57.44	-530.60	8.51e-05
		1	6	-195.00	179.54	-6.37	-1136.46	57.48	-530.28	8.48e-05
		1	7	-195.00	179.58	-6.11	-1137.37	56.42	-530.24	8.36e-05
		1	8	-195.00	147.96	-9.06	-891.36	58.54	-445.78	1.16e-04
		1	9	-195.00	115.28	-8.70	-889.66	54.59	-342.27	1.76e-04
		1	10	-195.00	114.22	-7.06	-916.68	46.65	-340.73	8.76e-05
		1	11	-195.00	119.48	-4.45	-857.53	39.40	-351.85	5.81e-05

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
560	PALO D 120.00	1	1	-195.00	165.80	-16.23	-1288.92	91.50	-497.04	2.24e-04
		1	2	-195.00	166.45	-12.62	-1322.33	75.22	-497.82	1.29e-04
		1	3	-195.00	166.88	-8.87	-1267.18	57.87	-499.98	1.97e-05
		1	4	-195.00	178.36	-6.26	-1176.05	55.28	-528.13	8.96e-05
		1	5	-195.00	178.21	-6.66	-1171.53	57.17	-528.14	8.76e-05
		1	6	-195.00	178.06	-6.72	-1165.00	57.26	-527.85	8.54e-05
		1	7	-195.00	178.12	-6.38	-1161.31	55.70	-527.85	8.53e-05
		1	8	-195.00	145.22	-7.22	-910.04	47.98	-436.74	1.46e-05
		1	9	-195.00	111.68	-9.94	-946.02	58.06	-333.22	1.36e-04
		1	10	-195.00	112.28	-5.85	-933.95	39.38	-334.85	2.23e-05
		1	11	-195.00	118.48	-4.65	-877.18	39.04	-350.33	5.89e-05
561	PALO D 120.00	1	1	-195.00	159.89	-18.48	-1395.26	99.27	-479.42	1.99e-04
		1	2	-195.00	162.09	-11.96	-1338.15	69.81	-481.61	9.62e-05
		1	3	-195.00	164.92	-7.40	-1226.26	51.48	-488.77	-2.49e-05
		1	4	-195.00	176.67	-6.79	-1190.89	55.69	-525.43	9.79e-05
		1	5	-195.00	176.49	-7.18	-1196.04	57.63	-525.05	9.51e-05
		1	6	-195.00	176.41	-7.39	-1191.01	58.59	-525.01	9.22e-05
		1	7	-195.00	176.49	-6.94	-1179.91	56.45	-525.11	9.25e-05
		1	8	-195.00	143.53	-5.96	-873.18	42.58	-426.84	-2.35e-05
		1	9	-195.00	108.21	-11.23	-1007.87	62.34	-323.27	1.23e-04
		1	10	-195.00	111.01	-5.08	-913.99	35.79	-328.47	-1.44e-06
		1	11	-195.00	117.39	-5.07	-894.40	39.74	-348.60	6.36e-05
562	PALO D 120.00	1	1	-195.00	154.66	-22.07	-1532.70	114.94	-464.09	1.95e-04
		1	2	-195.00	159.60	-13.98	-1345.92	79.55	-474.40	9.57e-05
		1	3	-195.00	165.74	-9.92	-1212.72	67.43	-491.22	-2.05e-05
		1	4	-195.00	175.39	-8.93	-1220.95	65.07	-525.64	1.03e-04
		1	5	-195.00	175.18	-9.18	-1233.09	66.29	-524.87	1.00e-04
		1	6	-195.00	175.20	-9.59	-1236.19	68.50	-525.14	9.77e-05
		1	7	-195.00	175.29	-9.07	-1215.20	65.95	-525.41	9.80e-05
		1	8	-195.00	144.15	-7.99	-857.59	55.51	-428.34	-2.00e-05
		1	9	-195.00	105.19	-13.50	-1089.04	72.24	-315.04	1.21e-04
		1	10	-195.00	111.34	-6.76	-911.27	45.85	-330.11	1.69e-06
		1	11	-195.00	116.59	-6.57	-924.31	46.44	-348.96	6.74e-05
563	PALO D 120.00	1	1	-195.00	149.09	-25.35	-1723.11	128.58	-446.50	1.70e-04
		1	2	-195.00	157.34	-16.21	-1407.97	89.86	-468.61	8.84e-05
		1	3	-195.00	166.97	-11.52	-1290.72	77.08	-496.83	-5.97e-06
		1	4	-195.00	173.20	-11.27	-1308.03	75.57	-520.78	9.45e-05
		1	5	-195.00	173.04	-11.42	-1323.44	76.31	-520.11	9.22e-05
		1	6	-195.00	173.12	-11.91	-1339.72	79.02	-520.54	9.00e-05
		1	7	-195.00	173.23	-11.37	-1307.83	76.31	-520.90	9.01e-05
		1	8	-195.00	145.12	-9.15	-914.35	62.69	-432.44	-7.48e-06
		1	9	-195.00	101.89	-15.65	-1207.84	81.35	-305.07	1.06e-04
		1	10	-195.00	111.82	-7.97	-967.63	52.74	-333.03	8.75e-06
		1	11	-195.00	115.24	-8.19	-994.85	53.82	-346.20	6.21e-05
600	PALO D 120.00	1	1	-195.00	178.51	-11.47	-1114.04	77.35	-528.64	1.86e-03
		1	2	-195.00	176.55	-11.73	-1172.45	78.18	-523.61	1.58e-03
		1	3	-195.00	173.91	-11.69	-1174.59	76.74	-517.81	1.34e-03
		1	4	-195.00	180.95	-6.03	-1113.75	58.46	-531.99	3.30e-04
		1	5	-195.00	180.80	-6.14	-1101.16	58.68	-531.93	3.49e-04
		1	6	-195.00	180.68	-6.27	-1096.34	59.06	-531.81	3.61e-04
		1	7	-195.00	180.71	-6.10	-1099.36	58.46	-531.76	3.47e-04
		1	8	-195.00	151.22	-9.56	-836.06	63.65	-452.18	1.13e-03
		1	9	-195.00	119.05	-7.29	-839.06	50.76	-351.13	1.08e-03
		1	10	-195.00	116.50	-7.41	-872.70	50.42	-345.11	7.86e-04
		1	11	-195.00	120.26	-4.40	-829.23	40.60	-352.89	2.44e-04
609	PALO D 120.00	1	1	-195.00	192.23	5.79	-2056.35	1.02	-600.80	7.46e-04
		1	2	-195.00	190.30	4.10	-2083.03	6.68	-596.92	6.55e-04
		1	3	-195.00	187.07	2.42	-2045.63	12.34	-588.44	5.90e-04
		1	4	-195.00	193.74	0.87	-2086.95	21.82	-605.67	9.92e-05
		1	5	-195.00	193.46	0.86	-2071.66	21.75	-604.74	1.10e-04
		1	6	-195.00	193.29	0.76	-2063.99	22.15	-604.25	1.17e-04
		1	7	-195.00	193.35	0.77	-2067.62	22.21	-604.46	1.10e-04
		1	8	-195.00	161.28	1.98	-1589.78	11.52	-505.67	5.03e-04
		1	9	-195.00	128.76	3.36	-1471.56	2.66	-403.27	4.27e-04
		1	10	-195.00	125.89	1.48	-1465.61	8.95	-396.40	3.41e-04
		1	11	-195.00	129.35	0.56	-1475.81	14.40	-405.19	7.82e-05
613	PALO D 120.00	1	1	-195.00	185.90	1.47	-2037.31	16.43	-587.14	5.22e-04
		1	2	-195.00	185.40	0.38	-2071.62	19.56	-588.13	4.36e-04
		1	3	-195.00	183.27	-0.29	-2032.27	19.93	-583.03	3.58e-04

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	4	-195.00	193.23	0.57	-2100.15	22.76	-607.15	1.01e-04
		1	5	-195.00	192.89	0.42	-2084.23	23.25	-606.04	1.06e-04
		1	6	-195.00	192.65	0.33	-2076.99	23.49	-605.30	1.09e-04
		1	7	-195.00	192.72	0.48	-2080.63	22.92	-605.46	1.05e-04
		1	8	-195.00	157.99	-0.36	-1577.49	18.13	-500.62	3.03e-04
		1	9	-195.00	125.20	0.93	-1462.92	11.25	-396.01	3.03e-04
		1	10	-195.00	123.74	-0.05	-1460.12	13.19	-393.73	2.12e-04
		1	11	-195.00	128.95	0.30	-1484.97	15.17	-406.10	7.37e-05
614	PALO D 120.00	1	1	-195.00	180.31	-1.66	-2040.17	25.81	-575.49	2.97e-04
		1	2	-195.00	181.41	-1.89	-2074.47	25.39	-581.05	2.21e-04
		1	3	-195.00	180.99	-1.92	-2012.35	23.07	-580.79	1.39e-04
		1	4	-195.00	191.85	1.16	-2100.71	18.11	-604.93	8.51e-05
		1	5	-195.00	191.57	0.79	-2087.87	19.74	-604.22	8.53e-05
		1	6	-195.00	191.32	0.70	-2079.47	19.96	-603.43	8.50e-05
		1	7	-195.00	191.37	0.94	-2080.54	18.89	-603.37	8.38e-05
		1	8	-195.00	156.03	-1.80	-1560.50	21.14	-498.52	1.16e-04
		1	9	-195.00	121.93	-0.72	-1464.55	15.81	-389.38	1.76e-04
		1	10	-195.00	122.31	-0.87	-1449.09	14.29	-392.32	8.80e-05
		1	11	-195.00	128.05	0.59	-1486.38	12.56	-404.90	5.83e-05
615	PALO D 120.00	1	1	-195.00	175.75	-5.23	-2074.34	38.77	-567.07	2.47e-04
		1	2	-195.00	178.19	-4.28	-2090.25	33.77	-573.76	1.46e-04
		1	3	-195.00	180.06	-4.72	-2012.58	35.76	-578.84	3.00e-05
		1	4	-195.00	190.17	1.34	-2081.83	15.23	-602.03	9.64e-05
		1	5	-195.00	190.02	0.82	-2078.45	17.75	-601.97	9.44e-05
		1	6	-195.00	189.85	0.60	-2070.17	18.65	-601.47	9.22e-05
		1	7	-195.00	189.83	0.96	-2065.75	17.02	-601.01	9.21e-05
		1	8	-195.00	155.21	-4.23	-1561.68	32.27	-496.52	2.32e-05
		1	9	-195.00	119.22	-2.66	-1481.03	22.55	-384.54	1.50e-04
		1	10	-195.00	121.61	-2.38	-1446.72	20.87	-391.08	2.89e-05
		1	11	-195.00	127.05	0.57	-1478.72	11.37	-403.65	6.35e-05
616	PALO D 120.00	1	1	-195.00	172.11	-7.46	-2141.96	45.23	-561.38	2.19e-04
		1	2	-195.00	175.39	-4.38	-2100.50	31.01	-564.74	1.06e-04
		1	3	-195.00	179.78	-4.77	-2035.26	35.71	-574.64	-2.69e-05
		1	4	-195.00	188.88	1.53	-2045.45	11.75	-602.00	1.07e-04
		1	5	-195.00	188.82	1.12	-2052.96	13.67	-602.20	1.03e-04
		1	6	-195.00	188.80	0.73	-2049.99	15.57	-602.36	1.00e-04
		1	7	-195.00	188.69	1.14	-2037.02	13.66	-601.36	1.01e-04
		1	8	-195.00	154.86	-4.34	-1582.87	32.64	-492.15	-2.54e-05
		1	9	-195.00	117.10	-3.83	-1513.37	25.38	-381.74	1.35e-04
		1	10	-195.00	121.36	-2.33	-1454.09	20.09	-389.11	-1.46e-06
		1	11	-195.00	126.37	0.73	-1462.27	8.91	-404.51	6.92e-05
617	PALO D 120.00	1	1	-195.00	169.38	-10.79	-2234.96	59.76	-558.08	2.72e-04
		1	2	-195.00	173.70	-6.29	-2104.75	39.88	-560.83	1.34e-04
		1	3	-195.00	180.61	-5.87	-2056.64	42.60	-577.57	-2.89e-05
		1	4	-195.00	188.24	-1.18	-2043.87	25.21	-604.96	1.44e-04
		1	5	-195.00	188.22	-1.41	-2056.63	26.20	-605.20	1.40e-04
		1	6	-195.00	188.37	-1.88	-2062.50	28.60	-606.11	1.36e-04
		1	7	-195.00	188.18	-1.47	-2041.15	26.70	-604.68	1.37e-04
		1	8	-195.00	155.44	-5.11	-1599.87	37.60	-493.69	-2.81e-05
		1	9	-195.00	115.56	-6.04	-1564.52	35.28	-380.65	1.69e-04
		1	10	-195.00	121.80	-3.31	-1465.45	25.75	-391.49	2.25e-06
		1	11	-195.00	126.11	-1.09	-1468.70	17.97	-407.34	9.40e-05
618	PALO D 120.00	1	1	-195.00	166.38	-10.52	-2359.70	52.51	-555.51	3.90e-04
		1	2	-195.00	172.71	-5.24	-2115.85	30.93	-562.59	2.05e-04
		1	3	-195.00	183.17	-3.55	-2089.94	29.31	-591.21	-9.51e-06
		1	4	-195.00	187.42	-0.50	-2075.06	18.14	-608.29	2.19e-04
		1	5	-195.00	187.49	-0.63	-2090.28	18.60	-608.88	2.13e-04
		1	6	-195.00	187.83	-1.08	-2108.94	20.92	-610.70	2.08e-04
		1	7	-195.00	187.54	-0.71	-2077.80	19.25	-608.69	2.09e-04
		1	8	-195.00	157.42	-3.12	-1622.51	26.32	-503.97	-1.37e-05
		1	9	-195.00	113.89	-5.79	-1638.02	30.24	-380.21	2.45e-04
		1	10	-195.00	123.22	-1.91	-1488.15	17.35	-400.04	2.27e-05
		1	11	-195.00	125.81	-0.54	-1498.71	12.69	-410.87	1.44e-04
621	PALO D 120.00	1	1	-195.00	216.74	42.33	-3398.53	-164.95	-636.06	5.53e-04
		1	2	-195.00	212.29	34.93	-3118.25	-130.19	-626.26	5.10e-04
		1	3	-195.00	207.91	33.40	-2989.53	-124.35	-611.78	5.23e-04
		1	4	-195.00	183.04	17.86	-2850.47	-75.46	-545.37	-2.26e-05
		1	5	-195.00	183.63	18.72	-2872.65	-79.13	-546.50	-4.03e-06
		1	6	-195.00	183.85	19.85	-2897.14	-84.63	-546.18	9.98e-06

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	7	-195.00	183.64	18.72	-2845.26	-78.86	-546.37	0.0
		1	8	-195.00	180.23	27.49	-2345.22	-99.45	-531.46	4.51e-04
		1	9	-195.00	140.64	26.10	-2329.25	-103.55	-413.09	3.04e-04
		1	10	-195.00	135.74	21.14	-2102.02	-80.99	-399.60	2.88e-04
		1	11	-195.00	122.37	13.61	-2050.69	-58.93	-363.16	2.66e-06
622	PALO D 120.00	1	1	-195.00	212.47	30.46	-2760.45	-107.57	-639.10	4.45e-04
		1	2	-195.00	208.53	24.15	-2616.61	-78.23	-630.18	4.11e-04
		1	3	-195.00	203.96	22.21	-2500.53	-70.44	-615.26	4.21e-04
		1	4	-195.00	189.50	9.74	-2401.65	-28.77	-580.71	-2.74e-05
		1	5	-195.00	189.75	10.51	-2409.79	-32.28	-580.83	-1.24e-05
		1	6	-195.00	189.81	11.24	-2412.17	-35.76	-580.26	-1.24e-06
		1	7	-195.00	189.68	10.41	-2385.74	-31.50	-580.47	-9.01e-06
		1	8	-195.00	176.27	18.40	-1956.94	-56.19	-531.37	3.64e-04
		1	9	-195.00	139.28	18.35	-1909.06	-65.03	-420.35	2.44e-04
		1	10	-195.00	134.55	13.77	-1764.66	-44.41	-407.10	2.30e-04
		1	11	-195.00	126.69	7.67	-1715.57	-25.14	-387.66	-4.52e-06
623	PALO D 120.00	1	1	-195.00	205.82	20.49	-2373.32	-61.87	-628.22	4.31e-04
		1	2	-195.00	202.39	16.07	-2330.19	-42.38	-620.31	3.98e-04
		1	3	-195.00	198.10	13.69	-2240.18	-32.50	-607.44	3.99e-04
		1	4	-195.00	192.30	4.61	-2200.94	0.68	-595.03	-1.31e-05
		1	5	-195.00	192.29	5.14	-2195.39	-1.85	-594.56	0.0
		1	6	-195.00	192.29	5.40	-2187.31	-2.99	-594.25	8.99e-06
		1	7	-195.00	192.24	4.91	-2178.12	-0.47	-594.45	2.22e-06
		1	8	-195.00	170.98	11.41	-1747.81	-25.50	-523.30	3.44e-04
		1	9	-195.00	136.03	12.08	-1664.30	-35.42	-416.62	2.38e-04
		1	10	-195.00	131.74	8.30	-1590.33	-19.10	-405.07	2.20e-04
		1	11	-195.00	128.51	3.69	-1560.96	-2.70	-397.74	3.05e-06
624	PALO D 120.00	1	1	-195.00	198.74	12.77	-2153.01	-28.69	-613.70	4.25e-04
		1	2	-195.00	195.85	10.08	-2160.68	-18.24	-606.82	3.85e-04
		1	3	-195.00	191.98	7.77	-2102.23	-9.03	-596.10	3.71e-04
		1	4	-195.00	193.16	2.77	-2112.70	11.23	-599.92	2.13e-05
		1	5	-195.00	193.01	2.95	-2099.60	10.34	-599.31	3.06e-05
		1	6	-195.00	192.93	2.93	-2090.31	10.49	-599.06	3.73e-05
		1	7	-195.00	192.94	2.75	-2090.41	11.54	-599.24	3.20e-05
		1	8	-195.00	165.61	6.42	-1636.23	-5.93	-512.98	3.18e-04
		1	9	-195.00	132.26	7.52	-1528.86	-15.46	-409.43	2.39e-04
		1	10	-195.00	128.50	4.74	-1500.66	-4.54	-399.65	2.09e-04
		1	11	-195.00	129.03	2.06	-1494.03	6.31	-401.30	2.35e-05
672	PALO D 120.00	1	1	0.0	-55.35	-1.76	-1485.11	4.52	170.33	1.05e-04
		1	2	0.0	-55.65	-1.89	-1487.13	4.78	171.17	1.25e-04
		1	3	0.0	-56.00	-2.14	-1502.52	5.85	172.11	1.22e-04
		1	4	0.0	-45.93	-1.08	-1460.99	6.34	146.95	1.15e-03
		1	5	0.0	-47.76	-2.27	-1485.24	10.22	152.06	1.31e-03
		1	6	0.0	-47.44	-2.79	-1440.02	10.99	150.31	1.69e-03
		1	7	0.0	-55.28	-1.69	-1487.04	4.33	170.20	7.83e-05
		1	8	0.0	-48.10	-1.61	-1146.06	3.67	146.42	8.59e-05
		1	9	0.0	-37.11	-1.29	-1073.49	3.71	114.89	7.79e-05
		1	10	0.0	-37.47	-1.50	-1083.16	4.45	115.88	8.77e-05
		1	11	0.0	-32.72	-1.87	-1048.44	7.30	103.77	9.59e-04
686	PALO D 120.00	1	1	0.0	-47.74	3.04	-1290.20	-25.04	121.36	5.00e-05
		1	2	0.0	-47.99	3.12	-1291.74	-25.72	121.98	6.13e-05
		1	3	0.0	-48.24	3.00	-1302.69	-25.46	122.31	6.38e-05
		1	4	0.0	-37.58	8.84	-1356.83	-42.20	98.32	3.53e-04
		1	5	0.0	-38.99	9.31	-1373.96	-45.83	101.65	4.37e-04
		1	6	0.0	-38.36	10.20	-1324.74	-47.76	99.88	5.93e-04
		1	7	0.0	-47.68	2.94	-1292.82	-24.66	121.19	3.83e-05
		1	8	0.0	-42.18	2.29	-971.00	-20.21	108.40	4.66e-05
		1	9	0.0	-31.64	2.16	-944.46	-17.55	79.73	3.69e-05
		1	10	0.0	-31.92	2.14	-951.41	-17.78	80.27	4.46e-05
		1	11	0.0	-26.43	6.14	-963.65	-30.17	67.80	3.38e-04
690	PALO D 120.00	1	1	0.0	-47.13	1.57	-1271.88	-16.25	115.76	2.72e-05
		1	2	0.0	-47.44	1.44	-1271.75	-15.84	116.50	3.24e-05
		1	3	0.0	-47.62	1.17	-1286.27	-14.67	116.42	3.04e-05
		1	4	0.0	-40.95	6.50	-1321.63	-30.62	101.71	3.50e-04
		1	5	0.0	-42.78	5.53	-1338.50	-26.70	105.33	3.92e-04
		1	6	0.0	-44.16	6.38	-1284.47	-30.73	110.69	4.99e-04
		1	7	0.0	-46.97	1.54	-1274.59	-16.15	115.32	2.00e-05
		1	8	0.0	-41.68	0.89	-958.45	-11.93	103.80	2.10e-05
		1	9	0.0	-31.22	1.09	-931.51	-11.15	75.73	2.04e-05

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-31.49	0.87	-939.51	-10.28	76.10	2.21e-05
		1	11	0.0	-29.56	3.76	-938.51	-19.20	72.92	2.82e-04
691	PALO D 120.00	1	1	0.0	-46.88	1.80	-1282.70	-18.12	113.39	4.49e-06
		1	2	0.0	-47.17	1.52	-1286.53	-16.86	113.92	5.37e-06
		1	3	0.0	-47.28	1.40	-1305.88	-16.68	113.73	0.0
		1	4	0.0	-46.73	5.74	-1320.01	-31.82	114.77	2.92e-04
		1	5	0.0	-48.52	4.05	-1370.24	-24.30	117.11	3.03e-04
		1	6	0.0	-51.56	4.10	-1294.13	-25.17	127.55	3.71e-04
		1	7	0.0	-46.64	1.82	-1285.21	-18.19	112.77	0.0
		1	8	0.0	-41.38	1.08	-973.53	-13.51	101.66	-1.66e-06
		1	9	0.0	-31.04	1.25	-939.93	-12.47	74.03	3.81e-06
		1	10	0.0	-31.27	1.03	-952.81	-11.68	74.22	1.63e-06
		1	11	0.0	-33.64	2.53	-946.28	-16.39	81.90	2.07e-04
692	PALO D 120.00	1	1	0.0	-46.55	2.92	-1262.34	-25.29	111.34	-2.50e-06
		1	2	0.0	-46.80	2.62	-1273.49	-23.92	111.68	-3.54e-06
		1	3	0.0	-46.93	2.86	-1284.72	-25.94	112.26	-1.19e-05
		1	4	0.0	-53.85	5.37	-1263.14	-38.13	131.46	3.37e-04
		1	5	0.0	-55.45	3.83	-1352.97	-32.02	132.64	3.35e-04
		1	6	0.0	-59.50	1.98	-1292.74	-22.73	143.35	4.10e-04
		1	7	0.0	-46.29	3.05	-1262.76	-25.93	110.90	-5.71e-06
		1	8	0.0	-41.05	2.22	-957.17	-20.67	100.41	-1.16e-05
		1	9	0.0	-30.83	2.07	-925.36	-17.76	72.68	-1.25e-06
		1	10	0.0	-31.04	2.04	-937.79	-18.12	73.20	-6.47e-06
		1	11	0.0	-38.03	1.55	-942.25	-16.34	90.47	2.28e-04
693	PALO D 120.00	1	1	0.0	-44.68	2.76	-1226.26	-24.36	99.34	1.59e-06
		1	2	0.0	-44.99	2.73	-1239.70	-24.72	100.28	-1.37e-06
		1	3	0.0	-45.04	3.02	-1232.29	-26.73	101.31	-1.21e-05
		1	4	0.0	-60.15	2.64	-1174.60	-31.38	140.22	3.66e-04
		1	5	0.0	-61.71	2.03	-1278.83	-31.16	142.38	3.48e-04
		1	6	0.0	-66.20	-2.07	-1313.49	-9.96	148.31	4.39e-04
		1	7	0.0	-44.50	3.08	-1218.50	-26.08	99.67	-1.79e-06
		1	8	0.0	-39.53	2.33	-917.19	-21.10	91.80	-1.21e-05
		1	9	0.0	-29.54	2.02	-897.57	-17.50	64.39	1.54e-06
		1	10	0.0	-29.75	2.17	-900.93	-18.82	65.49	-6.04e-06
		1	11	0.0	-41.50	-0.66	-946.03	-9.50	91.59	2.45e-04
694	PALO D 120.00	1	1	0.0	-40.57	-3.28	-1330.83	14.24	72.74	5.10e-06
		1	2	0.0	-41.08	-2.87	-1331.67	11.17	75.20	0.0
		1	3	0.0	-40.91	-2.77	-1313.44	10.61	75.64	-1.34e-05
		1	4	0.0	-63.38	-6.30	-1236.97	16.19	133.89	4.65e-04
		1	5	0.0	-65.07	-5.99	-1316.83	11.10	138.70	4.34e-04
		1	6	0.0	-70.09	-10.88	-1484.04	34.80	140.72	5.56e-04
		1	7	0.0	-40.53	-2.74	-1307.88	11.19	74.18	0.0
		1	8	0.0	-36.26	-2.19	-982.05	8.12	71.66	-1.40e-05
		1	9	0.0	-26.70	-2.17	-966.71	9.23	45.93	4.14e-06
		1	10	0.0	-26.89	-1.88	-957.05	7.22	47.55	-6.13e-06
		1	11	0.0	-43.10	-6.38	-1051.83	20.66	83.70	3.10e-04
695	PALO D 120.00	1	1	0.0	-33.77	-8.20	-1787.69	45.26	28.05	1.31e-05
		1	2	0.0	-34.54	-7.49	-1753.57	40.42	32.50	6.74e-06
		1	3	0.0	-34.07	-7.45	-1733.10	40.60	31.93	-1.13e-05
		1	4	0.0	-65.70	-14.96	-1659.66	60.10	117.34	6.20e-04
		1	5	0.0	-67.38	-14.02	-1674.85	51.75	124.18	5.82e-04
		1	6	0.0	-73.54	-19.43	-2000.80	75.88	125.47	7.41e-04
		1	7	0.0	-33.91	-7.50	-1736.54	41.33	30.97	7.13e-06
		1	8	0.0	-30.85	-5.89	-1313.18	31.88	37.33	-1.40e-05
		1	9	0.0	-21.99	-5.54	-1278.80	30.55	14.91	1.01e-05
		1	10	0.0	-22.15	-5.13	-1248.47	27.97	17.06	-3.41e-06
		1	11	0.0	-44.08	-11.78	-1397.19	47.57	69.03	4.14e-04
698	PALO D 120.00	1	1	-195.00	-12.59	11.08	-3224.92	-37.82	153.09	3.86e-04
		1	2	-195.00	-12.19	9.12	-3253.99	-28.55	146.91	3.89e-04
		1	3	-195.00	-15.12	5.33	-3263.74	-13.63	149.82	3.52e-04
		1	4	-195.00	-23.19	5.40	-3241.57	-13.42	188.76	1.77e-04
		1	5	-195.00	-21.28	8.25	-3304.06	-27.08	184.63	2.39e-04
		1	6	-195.00	-18.86	10.17	-3263.42	-37.03	172.03	2.83e-04
		1	7	-195.00	-16.60	9.61	-3169.51	-33.49	161.38	2.94e-04
		1	8	-195.00	-11.42	4.00	-2494.53	-10.17	113.68	2.76e-04
		1	9	-195.00	-9.65	7.39	-2307.66	-24.79	110.63	2.60e-04
		1	10	-195.00	-11.06	4.19	-2329.23	-11.35	108.82	2.41e-04
		1	11	-195.00	-13.13	6.88	-2329.05	-24.35	121.16	2.02e-04
699	PALO D 120.00	1	1	-195.00	-7.89	4.97	-2823.67	-10.54	107.30	3.03e-04

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	2	-195.00	-7.88	3.20	-2907.10	-2.25	103.26	3.04e-04
		1	3	-195.00	-10.22	-0.53	-2978.33	13.13	104.63	2.72e-04
		1	4	-195.00	-15.26	0.70	-2906.60	9.74	134.95	1.31e-04
		1	5	-195.00	-13.80	3.63	-2903.99	-5.55	130.25	1.79e-04
		1	6	-195.00	-12.02	4.99	-2841.75	-13.19	119.14	2.15e-04
		1	7	-195.00	-10.47	4.33	-2780.24	-9.28	112.02	2.25e-04
		1	8	-195.00	-7.77	-0.60	-2278.56	10.79	79.36	2.13e-04
		1	9	-195.00	-6.07	3.20	-2029.82	-6.06	77.47	2.03e-04
		1	10	-195.00	-7.37	0.15	-2115.74	7.09	75.98	1.85e-04
		1	11	-195.00	-8.37	3.22	-2039.87	-7.53	84.04	1.54e-04
700	PALO D 120.00	1	1	-195.00	-5.93	0.07	-2601.02	9.00	77.50	3.00e-04
		1	2	-195.00	-6.53	-0.78	-2718.83	12.25	76.76	3.04e-04
		1	3	-195.00	-8.57	-4.02	-2853.83	25.73	78.37	2.72e-04
		1	4	-195.00	-11.02	-2.55	-2737.76	23.75	102.46	1.40e-04
		1	5	-195.00	-9.42	0.13	-2664.10	8.72	94.12	1.80e-04
		1	6	-195.00	-8.15	0.63	-2597.25	5.18	83.86	2.10e-04
		1	7	-195.00	-7.25	-0.11	-2564.61	9.43	79.84	2.22e-04
		1	8	-195.00	-6.61	-3.29	-2187.32	20.44	59.59	2.13e-04
		1	9	-195.00	-4.49	-0.12	-1875.98	7.20	56.00	2.01e-04
		1	10	-195.00	-5.96	-2.39	-2016.42	16.50	56.49	1.85e-04
		1	11	-195.00	-5.73	0.20	-1873.88	5.08	59.54	1.51e-04
701	PALO D 120.00	1	1	-195.00	-6.76	-2.99	-2482.30	18.77	64.36	2.77e-04
		1	2	-195.00	-7.88	-2.85	-2600.45	16.42	66.15	2.83e-04
		1	3	-195.00	-9.84	-4.77	-2774.53	23.29	69.09	2.54e-04
		1	4	-195.00	-9.95	-3.67	-2640.49	25.72	87.61	1.43e-04
		1	5	-195.00	-8.03	-2.50	-2525.01	18.23	75.15	1.77e-04
		1	6	-195.00	-7.37	-2.41	-2467.24	16.58	66.92	1.97e-04
		1	7	-195.00	-7.01	-3.10	-2458.44	20.30	65.22	2.11e-04
		1	8	-195.00	-7.71	-3.73	-2127.41	17.72	52.85	1.99e-04
		1	9	-195.00	-4.93	-2.23	-1794.81	14.04	46.49	1.87e-04
		1	10	-195.00	-6.64	-3.22	-1957.16	16.55	49.12	1.74e-04
		1	11	-195.00	-5.27	-1.90	-1786.45	12.82	47.91	1.43e-04
702	PALO D 120.00	1	1	-195.00	-8.82	-5.83	-2420.56	29.04	60.80	3.91e-04
		1	2	-195.00	-10.13	-5.37	-2517.21	24.94	63.24	3.97e-04
		1	3	-195.00	-11.61	-6.61	-2703.42	28.78	64.91	3.48e-04
		1	4	-195.00	-9.82	-5.60	-2571.99	32.79	78.32	2.43e-04
		1	5	-195.00	-8.18	-5.44	-2454.58	30.27	65.84	2.87e-04
		1	6	-195.00	-8.14	-5.23	-2405.35	27.79	60.26	3.04e-04
		1	7	-195.00	-8.22	-5.70	-2412.19	30.08	60.14	3.26e-04
		1	8	-195.00	-9.12	-5.10	-2070.40	21.69	49.74	2.69e-04
		1	9	-195.00	-6.26	-4.19	-1753.63	21.16	43.70	2.69e-04
		1	10	-195.00	-7.81	-4.62	-1910.77	21.01	45.98	2.44e-04
		1	11	-195.00	-5.89	-3.86	-1745.17	20.46	43.40	2.20e-04
706	PALO D 120.00	1	1	-195.00	-14.92	-11.10	-2468.14	51.21	73.32	1.39e-04
		1	2	-195.00	-15.78	-11.56	-2549.90	52.57	73.26	1.32e-04
		1	3	-195.00	-16.22	-11.39	-2767.82	50.77	72.57	9.50e-05
		1	4	-195.00	-13.12	-11.11	-2648.34	57.54	80.83	1.27e-04
		1	5	-195.00	-12.47	-11.44	-2527.60	56.49	71.83	1.43e-04
		1	6	-195.00	-12.81	-10.62	-2458.23	50.65	67.94	1.41e-04
		1	7	-195.00	-13.35	-10.39	-2469.20	49.01	69.23	1.40e-04
		1	8	-195.00	-12.62	-8.79	-2119.93	38.89	55.52	6.90e-05
		1	9	-195.00	-10.46	-7.84	-1789.54	36.37	52.08	9.92e-05
		1	10	-195.00	-11.18	-8.00	-1956.04	36.12	51.67	7.49e-05
		1	11	-195.00	-9.29	-7.57	-1784.04	36.06	49.09	1.00e-04
707	PALO D 120.00	1	1	-195.00	-16.80	-13.16	-2561.18	59.51	75.14	1.12e-04
		1	2	-195.00	-17.32	-13.64	-2659.19	61.34	73.74	1.01e-04
		1	3	-195.00	-17.87	-10.39	-2831.62	43.55	76.00	6.10e-05
		1	4	-195.00	-14.97	-11.16	-2732.71	54.50	82.66	1.17e-04
		1	5	-195.00	-14.47	-13.25	-2637.66	62.84	73.60	1.34e-04
		1	6	-195.00	-14.58	-13.01	-2559.78	60.23	68.65	1.30e-04
		1	7	-195.00	-15.20	-12.21	-2554.96	55.69	70.61	1.22e-04
		1	8	-195.00	-13.87	-7.83	-2167.25	32.41	58.33	4.17e-05
		1	9	-195.00	-11.80	-9.22	-1854.46	41.79	53.31	8.17e-05
		1	10	-195.00	-12.40	-7.69	-2004.70	32.93	53.79	5.31e-05
		1	11	-195.00	-10.56	-9.14	-1853.68	42.19	49.70	9.12e-05
708	PALO D 120.00	1	1	-195.00	-17.87	-15.66	-2700.96	70.16	73.03	1.04e-04
		1	2	-195.00	-18.13	-15.63	-2813.95	69.67	71.04	8.81e-05
		1	3	-195.00	-18.14	-10.52	-2869.75	42.97	73.09	3.87e-05
		1	4	-195.00	-15.81	-11.55	-2799.26	53.04	78.32	1.15e-04

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	5	-195.00	-16.08	-14.63	-2767.45	66.39	72.70	1.30e-04
		1	6	-195.00	-15.99	-15.44	-2706.29	69.64	67.07	1.26e-04
		1	7	-195.00	-16.49	-14.43	-2676.91	64.38	68.91	1.17e-04
		1	8	-195.00	-13.99	-7.80	-2190.86	31.50	56.02	2.32e-05
		1	9	-195.00	-12.59	-10.90	-1949.73	48.73	51.85	7.64e-05
		1	10	-195.00	-12.74	-8.04	-2043.50	33.63	51.88	3.98e-05
		1	11	-195.00	-11.55	-10.77	-1952.69	48.44	48.53	8.85e-05
709	PALO D 120.00	1	1	-195.00	-17.78	-21.01	-2933.68	97.12	64.80	1.00e-04
		1	2	-195.00	-17.84	-20.04	-3045.05	91.89	62.81	8.45e-05
		1	3	-195.00	-16.39	-15.32	-2983.81	69.21	60.36	3.16e-05
		1	4	-195.00	-15.05	-16.26	-2924.83	76.07	65.11	1.14e-04
		1	5	-195.00	-16.46	-19.15	-2952.45	87.94	64.96	1.27e-04
		1	6	-195.00	-16.40	-20.81	-2935.53	95.97	59.99	1.23e-04
		1	7	-195.00	-16.70	-19.60	-2881.17	89.94	61.44	1.13e-04
		1	8	-195.00	-12.48	-11.56	-2274.17	52.22	45.80	1.74e-05
		1	9	-195.00	-12.58	-14.58	-2107.43	67.16	46.12	7.36e-05
		1	10	-195.00	-11.81	-11.42	-2135.28	51.65	43.65	3.53e-05
		1	11	-195.00	-11.82	-14.47	-2108.46	66.52	43.44	8.60e-05
710	PALO D 120.00	1	1	-195.00	-18.12	-26.76	-3333.76	126.73	59.55	8.93e-05
		1	2	-195.00	-17.73	-25.08	-3421.90	118.05	56.03	7.61e-05
		1	3	-195.00	-14.67	-20.60	-3278.71	98.21	48.42	3.14e-05
		1	4	-195.00	-15.11	-21.92	-3217.78	104.82	57.09	1.01e-04
		1	5	-195.00	-17.31	-24.80	-3288.63	116.34	60.55	1.12e-04
		1	6	-195.00	-17.38	-26.79	-3330.07	126.33	56.73	1.08e-04
		1	7	-195.00	-17.40	-25.34	-3246.85	119.19	57.26	9.94e-05
		1	8	-195.00	-10.98	-15.64	-2500.45	74.85	36.11	1.83e-05
		1	9	-195.00	-12.86	-18.59	-2380.67	87.76	42.42	6.53e-05
		1	10	-195.00	-10.94	-15.17	-2350.09	71.91	36.23	3.31e-05
		1	11	-195.00	-12.45	-18.61	-2378.62	87.54	40.85	7.54e-05
746	PALO D 120.00	1	1	-195.00	-11.85	-8.28	-2418.79	38.59	65.81	9.33e-04
		1	2	-195.00	-13.02	-8.22	-2498.26	36.82	67.33	9.28e-04
		1	3	-195.00	-13.75	-9.38	-2701.59	41.19	66.30	7.69e-04
		1	4	-195.00	-10.89	-8.47	-2575.20	45.61	76.20	6.92e-04
		1	5	-195.00	-9.91	-8.29	-2459.41	42.28	66.30	7.87e-04
		1	6	-195.00	-10.26	-7.63	-2405.66	37.29	62.47	8.02e-04
		1	7	-195.00	-10.61	-7.81	-2419.09	37.90	63.14	8.47e-04
		1	8	-195.00	-10.75	-7.28	-2068.03	31.64	50.70	5.83e-04
		1	9	-195.00	-8.32	-5.87	-1753.96	27.64	46.93	6.52e-04
		1	10	-195.00	-9.37	-6.48	-1911.07	29.09	47.21	5.61e-04
		1	11	-195.00	-7.43	-5.51	-1746.67	26.92	45.08	5.79e-04
755	PALO D 120.00	1	1	-195.00	11.78	7.17	-2404.92	-38.49	-68.78	3.99e-04
		1	2	-195.00	11.35	7.80	-2446.91	-43.54	-71.56	4.03e-04
		1	3	-195.00	12.24	6.63	-2569.64	-41.26	-82.63	3.47e-04
		1	4	-195.00	14.87	6.69	-2694.22	-33.82	-71.99	2.66e-04
		1	5	-195.00	14.37	6.67	-2519.68	-34.45	-72.89	3.09e-04
		1	6	-195.00	13.19	6.83	-2418.24	-36.14	-71.72	3.23e-04
		1	7	-195.00	12.90	6.84	-2424.59	-36.19	-71.14	3.45e-04
		1	8	-195.00	9.24	5.06	-1955.02	-31.99	-63.86	2.67e-04
		1	9	-195.00	8.67	5.07	-1747.25	-27.18	-49.93	2.76e-04
		1	10	-195.00	8.93	4.77	-1838.76	-28.71	-57.63	2.47e-04
		1	11	-195.00	9.45	4.88	-1754.65	-25.87	-51.57	2.33e-04
759	PALO D 120.00	1	1	-195.00	9.09	3.27	-2378.95	-21.89	-64.34	2.56e-04
		1	2	-195.00	8.82	3.32	-2411.20	-23.75	-67.91	2.54e-04
		1	3	-195.00	10.64	2.34	-2554.45	-21.66	-82.59	2.06e-04
		1	4	-195.00	13.63	3.23	-2681.92	-17.43	-73.24	1.97e-04
		1	5	-195.00	12.53	3.13	-2505.90	-18.42	-71.70	2.23e-04
		1	6	-195.00	11.04	3.59	-2395.10	-22.12	-68.95	2.26e-04
		1	7	-195.00	10.59	3.79	-2399.71	-23.42	-68.02	2.37e-04
		1	8	-195.00	8.07	1.66	-1944.16	-16.36	-64.04	1.55e-04
		1	9	-195.00	6.82	2.43	-1728.95	-15.96	-47.01	1.80e-04
		1	10	-195.00	7.68	1.91	-1826.45	-15.83	-57.15	1.52e-04
		1	11	-195.00	7.90	2.61	-1737.92	-16.09	-49.57	1.63e-04
760	PALO D 120.00	1	1	-195.00	7.24	0.96	-2400.84	-13.26	-62.94	1.38e-04
		1	2	-195.00	7.39	0.63	-2439.72	-13.06	-68.56	1.31e-04
		1	3	-195.00	9.45	1.42	-2587.91	-19.89	-82.50	9.45e-05
		1	4	-195.00	12.05	2.66	-2715.33	-17.39	-72.80	1.27e-04
		1	5	-195.00	10.80	1.45	-2543.12	-12.71	-71.21	1.43e-04
		1	6	-195.00	9.37	1.60	-2417.67	-14.80	-68.53	1.40e-04
		1	7	-195.00	8.79	1.97	-2413.38	-17.18	-66.99	1.40e-04

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	8	-195.00	7.20	1.01	-1971.53	-15.29	-64.04	6.86e-05
		1	9	-195.00	5.50	0.88	-1743.23	-10.28	-46.07	9.89e-05
		1	10	-195.00	6.73	1.13	-1847.15	-13.97	-56.94	7.46e-05
		1	11	-195.00	6.69	1.24	-1752.58	-11.14	-49.18	9.99e-05
761	PALO D 120.00	1	1	-195.00	6.67	-0.33	-2442.76	-10.16	-68.23	1.23e-04
		1	2	-195.00	7.32	-0.61	-2495.84	-10.09	-76.00	1.10e-04
		1	3	-195.00	8.80	2.22	-2586.00	-27.27	-83.84	6.82e-05
		1	4	-195.00	10.70	4.08	-2707.34	-29.03	-74.12	1.27e-04
		1	5	-195.00	9.67	1.39	-2579.48	-16.54	-74.88	1.45e-04
		1	6	-195.00	8.61	0.62	-2457.77	-13.51	-73.93	1.41e-04
		1	7	-195.00	7.93	1.01	-2438.96	-15.88	-71.25	1.32e-04
		1	8	-195.00	6.74	1.73	-1968.70	-21.44	-64.90	4.69e-05
		1	9	-195.00	5.04	0.06	-1769.53	-8.61	-49.59	8.91e-05
		1	10	-195.00	6.22	1.48	-1849.10	-18.12	-58.26	5.88e-05
		1	11	-195.00	6.12	0.59	-1777.87	-10.47	-52.75	9.90e-05
762	PALO D 120.00	1	1	-195.00	8.48	-1.58	-2506.64	-7.46	-86.55	1.15e-04
		1	2	-195.00	9.56	-1.30	-2570.95	-10.07	-95.72	9.72e-05
		1	3	-195.00	10.88	1.41	-2572.03	-25.05	-98.88	4.39e-05
		1	4	-195.00	11.72	4.11	-2659.21	-33.22	-88.79	1.26e-04
		1	5	-195.00	10.53	1.17	-2600.21	-19.99	-89.87	1.42e-04
		1	6	-195.00	9.95	-0.53	-2512.25	-11.81	-91.26	1.39e-04
		1	7	-195.00	9.17	-0.11	-2477.99	-14.06	-87.28	1.28e-04
		1	8	-195.00	8.42	1.06	-1955.90	-19.34	-76.45	2.66e-05
		1	9	-195.00	6.21	-0.74	-1808.57	-7.22	-62.17	8.39e-05
		1	10	-195.00	7.55	0.92	-1844.89	-16.99	-69.02	4.45e-05
		1	11	-195.00	7.03	-0.15	-1811.68	-9.63	-64.79	9.71e-05
763	PALO D 120.00	1	1	-195.00	11.60	-7.01	-2659.75	20.49	-111.07	1.41e-04
		1	2	-195.00	12.80	-5.92	-2718.31	13.70	-119.94	1.18e-04
		1	3	-195.00	14.50	-3.77	-2659.11	3.17	-121.71	4.46e-05
		1	4	-195.00	14.35	-1.64	-2709.04	-3.46	-111.39	1.59e-04
		1	5	-195.00	12.77	-4.19	-2698.77	7.16	-111.09	1.78e-04
		1	6	-195.00	12.59	-6.24	-2656.87	17.21	-114.50	1.72e-04
		1	7	-195.00	11.73	-5.59	-2605.53	13.95	-109.39	1.59e-04
		1	8	-195.00	11.33	-2.95	-2023.05	2.69	-94.23	2.47e-05
		1	9	-195.00	8.31	-4.55	-1909.61	12.32	-79.03	1.03e-04
		1	10	-195.00	9.92	-2.74	-1909.25	2.70	-84.94	4.96e-05
		1	11	-195.00	8.86	-4.12	-1908.01	10.50	-80.94	1.21e-04
764	PALO D 120.00	1	1	-195.00	15.57	-8.37	-2971.56	24.33	-141.91	2.07e-04
		1	2	-195.00	17.02	-6.78	-3004.94	15.33	-150.99	1.76e-04
		1	3	-195.00	19.52	-4.54	-2890.07	5.65	-153.21	7.45e-05
		1	4	-195.00	17.51	-3.46	-2910.50	2.82	-138.63	2.34e-04
		1	5	-195.00	15.63	-5.88	-2943.48	12.35	-137.52	2.58e-04
		1	6	-195.00	15.89	-7.92	-2962.37	22.33	-143.09	2.48e-04
		1	7	-195.00	15.01	-7.17	-2885.99	18.81	-137.12	2.30e-04
		1	8	-195.00	15.36	-3.53	-2202.66	4.65	-118.94	4.41e-05
		1	9	-195.00	10.99	-5.50	-2119.80	14.95	-100.28	1.51e-04
		1	10	-195.00	13.18	-3.37	-2074.52	4.57	-106.56	7.76e-05
		1	11	-195.00	11.16	-5.25	-2114.69	13.83	-100.93	1.74e-04
767	PALO D 120.00	1	1	-195.00	18.09	34.75	-3634.02	-164.80	-38.74	3.69e-04
		1	2	-195.00	18.76	32.94	-3636.75	-156.29	-46.58	3.71e-04
		1	3	-195.00	16.39	28.57	-3596.70	-139.23	-45.65	3.34e-04
		1	4	-195.00	10.96	25.60	-3682.33	-127.03	-16.24	1.63e-04
		1	5	-195.00	12.42	30.14	-3720.91	-148.60	-19.88	2.24e-04
		1	6	-195.00	13.43	32.41	-3622.65	-159.17	-25.63	2.66e-04
		1	7	-195.00	14.45	31.42	-3535.67	-152.70	-29.47	2.78e-04
		1	8	-195.00	12.73	21.91	-2743.41	-106.83	-36.29	2.62e-04
		1	9	-195.00	12.35	24.00	-2596.54	-114.32	-26.30	2.48e-04
		1	10	-195.00	11.40	20.56	-2575.81	-100.11	-30.14	2.28e-04
		1	11	-195.00	9.75	22.70	-2590.22	-111.19	-19.02	1.91e-04
768	PALO D 120.00	1	1	-195.00	19.33	25.70	-3081.69	-120.59	-64.07	2.94e-04
		1	2	-195.00	19.95	24.58	-3134.79	-115.87	-71.90	2.97e-04
		1	3	-195.00	18.72	20.47	-3159.31	-99.48	-75.70	2.65e-04
		1	4	-195.00	16.09	17.78	-3230.30	-85.62	-53.65	1.32e-04
		1	5	-195.00	16.51	22.26	-3175.70	-108.14	-54.18	1.75e-04
		1	6	-195.00	16.69	23.70	-3056.22	-115.01	-57.32	2.07e-04
		1	7	-195.00	17.30	22.84	-3007.44	-109.43	-59.36	2.18e-04
		1	8	-195.00	14.42	15.65	-2410.97	-76.20	-59.08	2.08e-04
		1	9	-195.00	13.54	17.71	-2211.66	-83.43	-45.34	1.97e-04
		1	10	-195.00	13.20	14.80	-2254.78	-71.71	-51.80	1.80e-04

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	11	-195.00	12.07	16.60	-2197.51	-80.33	-41.59	1.49e-04
769	PALO D 120.00	1	1	-195.00	17.20	18.95	-2735.27	-90.64	-69.97	2.82e-04
		1	2	-195.00	17.43	19.04	-2809.54	-92.62	-75.96	2.87e-04
		1	3	-195.00	17.09	16.08	-2894.32	-81.91	-83.10	2.58e-04
		1	4	-195.00	16.69	13.55	-2977.86	-65.47	-65.68	1.38e-04
		1	5	-195.00	16.64	16.50	-2836.39	-80.67	-65.81	1.73e-04
		1	6	-195.00	16.38	16.93	-2715.15	-82.76	-68.14	1.98e-04
		1	7	-195.00	16.65	16.34	-2696.15	-78.86	-69.01	2.11e-04
		1	8	-195.00	13.07	12.37	-2209.30	-63.34	-64.53	2.02e-04
		1	9	-195.00	12.26	13.04	-1972.76	-62.51	-50.17	1.89e-04
		1	10	-195.00	12.20	11.44	-2061.12	-57.66	-57.47	1.76e-04
		1	11	-195.00	11.80	11.92	-1961.58	-58.13	-49.15	1.43e-04
770	PALO D 120.00	1	1	-195.00	14.28	13.14	-2511.97	-65.72	-69.65	2.53e-04
		1	2	-195.00	14.05	13.95	-2575.13	-71.75	-73.37	2.58e-04
		1	3	-195.00	14.17	12.46	-2687.42	-68.50	-81.61	2.30e-04
		1	4	-195.00	15.61	11.03	-2797.84	-55.08	-68.03	1.40e-04
		1	5	-195.00	15.52	11.80	-2621.30	-59.13	-69.81	1.70e-04
		1	6	-195.00	14.82	11.74	-2512.49	-59.14	-70.79	1.85e-04
		1	7	-195.00	14.78	11.49	-2511.86	-57.40	-70.79	1.99e-04
		1	8	-195.00	10.74	9.64	-2048.01	-53.44	-63.07	1.79e-04
		1	9	-195.00	10.35	9.11	-1820.41	-45.60	-50.30	1.71e-04
		1	10	-195.00	10.29	8.73	-1917.89	-47.14	-56.94	1.59e-04
		1	11	-195.00	10.65	8.33	-1820.70	-41.94	-50.93	1.34e-04
784	PALO D 120.00	1	1	0.0	-53.56	15.03	-1826.47	-96.88	171.55	6.09e-05
		1	2	0.0	-52.42	14.73	-1804.23	-93.27	167.50	8.18e-05
		1	3	0.0	-52.19	14.86	-1790.83	-93.46	167.03	9.38e-05
		1	4	0.0	-43.72	16.04	-1777.31	-97.22	138.36	-9.91e-05
		1	5	0.0	-37.17	18.21	-1874.63	-99.16	119.28	4.10e-05
		1	6	0.0	-28.64	28.43	-2249.54	-145.82	103.32	2.02e-04
		1	7	0.0	-54.14	14.04	-1778.70	-92.12	172.40	4.66e-05
		1	8	0.0	-45.20	11.43	-1345.27	-72.64	142.57	7.19e-05
		1	9	0.0	-35.72	10.51	-1316.90	-67.36	115.26	4.44e-05
		1	10	0.0	-34.95	10.41	-1297.10	-65.46	112.74	6.27e-05
		1	11	0.0	-21.87	17.95	-1551.94	-94.55	77.35	1.23e-04
785	PALO D 120.00	1	1	0.0	-49.29	6.85	-1430.26	-45.73	140.28	4.56e-05
		1	2	0.0	-48.60	6.80	-1434.92	-44.26	137.71	6.36e-05
		1	3	0.0	-48.53	6.69	-1426.13	-43.18	137.49	7.38e-05
		1	4	0.0	-37.00	8.26	-1435.80	-44.22	102.23	-9.22e-05
		1	5	0.0	-32.98	10.71	-1566.56	-51.42	90.08	2.77e-05
		1	6	0.0	-27.17	19.50	-1729.04	-92.76	81.19	1.63e-04
		1	7	0.0	-49.68	6.05	-1403.96	-41.85	140.81	3.36e-05
		1	8	0.0	-42.42	5.12	-1064.65	-33.79	120.06	5.67e-05
		1	9	0.0	-32.69	4.78	-1041.53	-31.63	93.00	3.34e-05
		1	10	0.0	-32.26	4.69	-1039.23	-30.21	91.44	4.90e-05
		1	11	0.0	-20.40	11.81	-1207.52	-57.75	60.17	9.85e-05
786	PALO D 120.00	1	1	0.0	-47.58	3.05	-1318.29	-22.96	125.76	3.98e-05
		1	2	0.0	-47.32	3.29	-1331.56	-23.86	124.57	5.43e-05
		1	3	0.0	-47.34	3.06	-1333.80	-22.36	124.18	6.32e-05
		1	4	0.0	-34.36	5.78	-1390.12	-24.56	91.05	-3.81e-05
		1	5	0.0	-32.74	8.47	-1499.39	-36.91	85.44	6.05e-05
		1	6	0.0	-29.02	14.01	-1495.57	-61.53	79.56	1.89e-04
		1	7	0.0	-47.78	2.49	-1308.73	-20.25	125.97	2.89e-05
		1	8	0.0	-41.51	2.33	-994.39	-17.76	109.83	4.85e-05
		1	9	0.0	-31.50	2.15	-964.50	-15.85	82.75	2.90e-05
		1	10	0.0	-31.36	2.15	-973.11	-15.52	81.87	4.20e-05
		1	11	0.0	-21.19	8.23	-1062.98	-37.28	57.08	1.12e-04
803	PALO D 120.00	1	1	0.0	-47.07	1.88	-1313.50	-16.62	119.38	3.46e-05
		1	2	0.0	-47.14	2.15	-1321.74	-18.18	119.38	4.44e-05
		1	3	0.0	-47.31	2.04	-1331.64	-17.76	119.38	4.93e-05
		1	4	0.0	-34.77	7.12	-1405.37	-30.45	91.63	9.33e-05
		1	5	0.0	-35.03	9.07	-1462.08	-41.29	91.68	1.62e-04
		1	6	0.0	-32.67	11.19	-1403.65	-47.97	85.49	2.64e-04
		1	7	0.0	-47.13	1.59	-1313.32	-15.30	119.43	2.63e-05
		1	8	0.0	-41.48	1.54	-993.15	-14.25	106.16	3.71e-05
		1	9	0.0	-31.16	1.35	-961.50	-11.60	78.30	2.53e-05
		1	10	0.0	-31.29	1.44	-971.58	-12.24	78.30	3.35e-05
		1	11	0.0	-23.15	6.52	-1011.58	-29.02	59.47	1.53e-04
843	PALO D 120.00	1	1	0.0	-66.67	7.61	-1944.55	-50.59	259.31	6.64e-05
		1	2	0.0	-64.99	7.15	-1908.51	-46.89	252.60	8.74e-05

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	3	0.0	-64.49	7.21	-1893.53	-47.11	250.90	9.95e-05
		1	4	0.0	-58.45	10.99	-1904.00	-59.59	229.83	-9.44e-05
		1	5	0.0	-50.76	10.99	-1928.07	-53.47	209.30	4.73e-05
		1	6	0.0	-43.52	17.44	-2257.09	-82.44	208.63	2.12e-04
		1	7	0.0	-66.99	7.01	-1900.93	-47.80	257.82	5.19e-05
		1	8	0.0	-54.63	5.58	-1448.06	-37.17	206.83	7.64e-05
		1	9	0.0	-44.97	5.22	-1386.94	-34.43	177.25	4.84e-05
		1	10	0.0	-43.76	4.99	-1358.60	-32.49	172.58	6.68e-05
		1	11	0.0	-32.11	10.68	-1560.58	-52.12	149.09	1.29e-04
844	PALO D 120.00	1	1	0.0	-60.00	2.22	-1559.15	-17.60	212.19	4.79e-05
		1	2	0.0	-58.94	1.74	-1553.68	-14.18	208.13	6.64e-05
		1	3	0.0	-58.63	1.57	-1540.58	-13.23	206.88	7.67e-05
		1	4	0.0	-49.60	7.12	-1542.63	-32.68	179.32	-9.46e-05
		1	5	0.0	-44.62	6.31	-1624.97	-24.54	167.22	2.80e-05
		1	6	0.0	-38.74	11.50	-1769.99	-49.17	164.91	1.66e-04
		1	7	0.0	-60.27	1.79	-1534.50	-15.55	211.30	3.57e-05
		1	8	0.0	-50.14	1.24	-1175.16	-11.14	173.12	5.89e-05
		1	9	0.0	-40.29	1.42	-1121.00	-11.20	144.06	3.51e-05
		1	10	0.0	-39.52	1.05	-1110.69	-8.77	141.12	5.11e-05
		1	11	0.0	-28.47	6.57	-1238.14	-28.74	117.80	1.00e-04
845	PALO D 120.00	1	1	0.0	-56.47	-1.67	-1456.39	5.83	185.93	4.43e-05
		1	2	0.0	-56.01	-1.92	-1469.83	7.37	184.27	6.16e-05
		1	3	0.0	-55.88	-2.37	-1468.05	9.84	183.41	7.18e-05
		1	4	0.0	-44.76	4.10	-1427.40	-11.93	156.06	-7.87e-05
		1	5	0.0	-42.43	3.68	-1540.88	-9.25	151.45	3.71e-05
		1	6	0.0	-37.26	6.92	-1535.29	-25.36	142.90	1.76e-04
		1	7	0.0	-56.69	-1.95	-1445.87	7.31	185.68	3.23e-05
		1	8	0.0	-48.03	-1.83	-1119.48	6.89	155.11	5.52e-05
		1	9	0.0	-37.84	-1.26	-1052.17	4.91	125.70	3.24e-05
		1	10	0.0	-37.51	-1.66	-1058.65	7.15	124.30	4.76e-05
		1	11	0.0	-27.17	3.51	-1096.01	-12.41	101.79	1.06e-04
846	PALO D 120.00	1	1	0.0	-55.30	-2.83	-1473.33	12.21	175.00	3.80e-05
		1	2	0.0	-55.27	-2.81	-1487.69	11.69	174.97	5.05e-05
		1	3	0.0	-55.42	-3.16	-1498.87	13.38	175.21	5.77e-05
		1	4	0.0	-42.79	1.83	-1424.39	1.14	146.97	2.57e-05
		1	5	0.0	-42.62	2.10	-1513.91	-2.79	148.16	1.12e-04
		1	6	0.0	-38.46	2.73	-1454.26	-5.36	135.81	2.30e-04
		1	7	0.0	-55.44	-2.96	-1471.29	13.01	175.12	2.82e-05
		1	8	0.0	-47.69	-2.42	-1143.70	9.54	148.85	4.39e-05
		1	9	0.0	-37.04	-2.04	-1065.43	9.16	118.14	2.78e-05
		1	10	0.0	-37.11	-2.23	-1079.62	9.81	118.26	3.87e-05
		1	11	0.0	-27.69	1.04	-1054.84	-0.60	96.37	1.34e-04
847	PALO D 120.00	1	1	0.0	-55.89	-1.45	-1502.28	2.81	176.14	5.15e-05
		1	2	0.0	-56.09	-1.43	-1508.82	2.15	176.78	6.41e-05
		1	3	0.0	-56.44	-1.61	-1522.85	2.67	177.79	6.85e-05
		1	4	0.0	-43.88	1.33	-1461.28	-1.13	147.88	2.73e-04
		1	5	0.0	-45.02	1.24	-1503.28	-3.80	151.99	3.65e-04
		1	6	0.0	-42.64	0.74	-1451.44	-1.34	143.27	5.18e-04
		1	7	0.0	-55.93	-1.46	-1503.98	2.98	176.26	3.94e-05
		1	8	0.0	-48.46	-1.21	-1162.04	1.20	150.85	5.07e-05
		1	9	0.0	-37.49	-1.06	-1085.76	2.42	119.01	3.79e-05
		1	10	0.0	-37.79	-1.15	-1097.19	2.34	119.93	4.73e-05
		1	11	0.0	-30.12	0.16	-1057.51	0.11	100.75	2.97e-04
851	PALO D 120.00	1	1	0.0	-55.69	-2.00	-1515.52	6.19	171.28	4.29e-06
		1	2	0.0	-56.03	-2.27	-1519.14	7.33	172.12	5.19e-06
		1	3	0.0	-56.37	-2.47	-1540.46	8.35	173.17	0.0
		1	4	0.0	-50.96	-4.23	-1516.49	16.92	159.06	2.92e-04
		1	5	0.0	-53.16	-6.27	-1564.57	26.15	164.73	3.03e-04
		1	6	0.0	-54.54	-7.04	-1500.01	26.52	168.26	3.72e-04
		1	7	0.0	-55.52	-1.90	-1516.93	5.90	170.85	0.0
		1	8	0.0	-48.36	-1.85	-1175.03	5.54	147.20	-1.81e-06
		1	9	0.0	-37.36	-1.48	-1095.86	5.00	115.56	3.68e-06
		1	10	0.0	-37.74	-1.75	-1109.71	6.20	116.62	1.50e-06
		1	11	0.0	-36.72	-4.29	-1087.24	16.29	113.89	2.08e-04
852	PALO D 120.00	1	1	0.0	-55.70	-0.84	-1523.79	-0.88	171.14	-2.02e-06
		1	2	0.0	-56.05	-1.17	-1533.97	0.71	172.01	-3.10e-06
		1	3	0.0	-56.40	-0.91	-1551.98	-0.94	173.61	-1.11e-05
		1	4	0.0	-57.35	-6.18	-1559.88	18.12	174.09	3.13e-04
		1	5	0.0	-59.82	-8.27	-1653.33	27.95	180.77	3.10e-04

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	6	0.0	-62.45	-10.90	-1588.09	37.88	186.54	3.80e-04
		1	7	0.0	-55.46	-0.66	-1523.73	-1.60	170.57	-4.99e-06
		1	8	0.0	-48.34	-0.62	-1183.42	-1.69	147.47	-1.09e-05
		1	9	0.0	-37.39	-0.64	-1102.34	-0.17	115.52	0.0
		1	10	0.0	-37.77	-0.68	-1118.00	-0.20	116.89	-6.00e-06
		1	11	0.0	-41.13	-6.23	-1138.06	21.36	124.08	2.11e-04
853	PALO D 120.00	1	1	0.0	-54.91	-1.04	-1514.82	0.51	166.14	1.95e-06
		1	2	0.0	-55.32	-1.17	-1530.24	0.97	167.51	0.0
		1	3	0.0	-55.50	-0.54	-1528.19	-2.71	168.81	-1.07e-05
		1	4	0.0	-64.17	-9.02	-1576.18	24.22	187.56	3.36e-04
		1	5	0.0	-66.94	-10.07	-1698.12	28.10	196.73	3.18e-04
		1	6	0.0	-70.70	-15.86	-1713.35	55.38	202.98	4.03e-04
		1	7	0.0	-54.64	-0.66	-1508.23	-1.44	165.64	-1.16e-06
		1	8	0.0	-47.59	-0.32	-1164.44	-3.07	143.65	-1.08e-05
		1	9	0.0	-36.84	-0.73	-1094.98	0.47	112.03	1.75e-06
		1	10	0.0	-37.17	-0.45	-1102.41	-1.32	113.51	-5.29e-06
		1	11	0.0	-45.61	-8.96	-1205.28	30.95	132.49	2.24e-04
854	PALO D 120.00	1	1	0.0	-52.16	-6.13	-1614.93	32.76	147.99	3.50e-06
		1	2	0.0	-52.66	-5.72	-1619.70	29.85	150.29	0.0
		1	3	0.0	-52.46	-5.21	-1598.43	27.38	150.01	-9.65e-06
		1	4	0.0	-69.97	-16.62	-1678.73	60.72	192.60	3.31e-04
		1	5	0.0	-72.78	-16.12	-1774.89	55.74	203.76	3.10e-04
		1	6	0.0	-78.63	-24.39	-1968.21	95.67	215.53	3.96e-04
		1	7	0.0	-51.86	-5.44	-1591.80	28.92	147.62	0.0
		1	8	0.0	-45.17	-3.98	-1219.56	20.56	128.89	-1.01e-05
		1	9	0.0	-34.92	-4.23	-1161.63	22.60	99.31	2.86e-06
		1	10	0.0	-35.08	-3.72	-1152.46	19.61	100.43	-4.44e-06
		1	11	0.0	-49.63	-14.37	-1357.89	57.55	136.83	2.21e-04
855	PALO D 120.00	1	1	0.0	-49.29	-15.19	-2076.50	90.81	129.50	5.18e-06
		1	2	0.0	-49.78	-14.26	-2047.17	84.73	131.96	2.43e-06
		1	3	0.0	-49.23	-13.92	-2020.52	83.62	130.40	-5.49e-06
		1	4	0.0	-76.22	-28.37	-2113.40	124.93	201.81	2.72e-04
		1	5	0.0	-78.52	-27.09	-2143.20	115.74	211.64	2.55e-04
		1	6	0.0	-87.00	-35.91	-2521.87	156.31	232.20	3.24e-04
		1	7	0.0	-48.94	-14.19	-2024.46	85.08	129.05	2.60e-06
		1	8	0.0	-42.58	-10.80	-1550.99	64.68	113.43	-6.53e-06
		1	9	0.0	-32.91	-10.50	-1478.19	62.77	86.29	4.05e-06
		1	10	0.0	-32.87	-9.79	-1447.09	58.78	86.79	-1.87e-06
		1	11	0.0	-53.85	-22.01	-1725.62	99.16	143.34	1.81e-04
Nodo					Fx	Fy	Fz	Mx	My	Mz
					-87.00	-35.91	-3720.91	-164.95	-639.10	-9.91e-05
					216.74	42.33	-762.71	156.31	259.31	1.86e-03

13. RISULTATI ELEMENTI TIPO TRAVE

13.1 LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sottoriportate.

Gli elementi vengono suddivisi, in relazione alle proprietà in elementi:

- tipo **pilastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

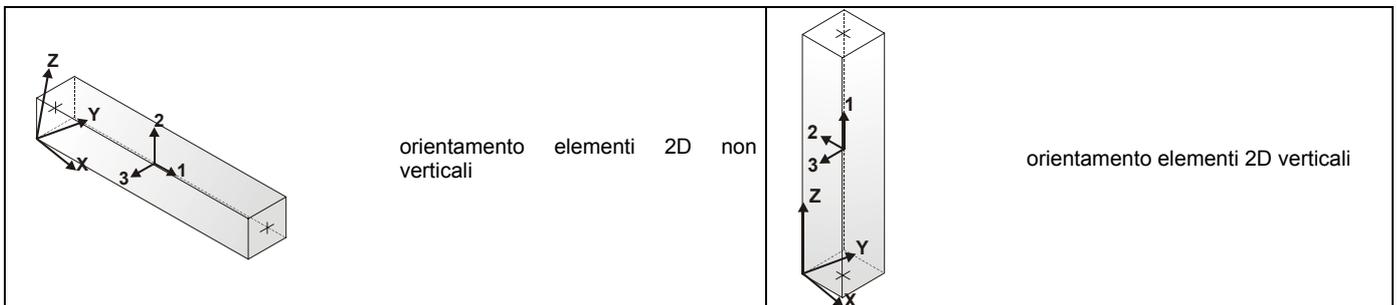
Per ogni elemento, e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
2	1	0.0	0.0	-1.43e-03	0.0	0.0	-1367.85	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.43e-05	0.0	15.0	-1367.85	0.0	0.0	0.0	0.0	0.0
2	2	0.0	0.0	-1.58e-03	0.0	0.0	-1368.44	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.96e-05	0.0	15.0	-1368.44	0.0	0.0	0.0	0.0	0.0
2	3	0.0	0.0	-1.82e-03	0.0	0.0	-1379.08	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.47e-05	0.0	15.0	-1379.08	0.0	0.0	0.0	0.0	0.0
2	4	0.0	0.0	-3.57e-03	0.0	0.0	-1488.68	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.36e-04	0.0	15.0	-1488.68	0.0	0.0	0.0	0.0	0.0
2	5	0.0	0.0	-3.54e-03	0.0	0.0	-1381.42	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.92e-05	0.0	15.0	-1381.42	0.0	0.0	0.0	0.0	0.0
2	6	0.0	0.0	-2.12e-03	0.0	0.0	-1366.25	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.97e-05	0.0	15.0	-1366.25	0.0	0.0	0.0	0.0	0.0
2	7	0.0	0.0	-1.62e-03	0.0	0.0	-1369.65	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.43e-05	0.0	15.0	-1369.65	0.0	0.0	0.0	0.0	0.0
2	8	0.0	0.0	-1.29e-03	0.0	0.0	-1061.16	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.53e-05	0.0	15.0	-1061.16	0.0	0.0	0.0	0.0	0.0
2	9	0.0	0.0	-1.11e-03	0.0	0.0	-972.47	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.21e-05	0.0	15.0	-972.47	0.0	0.0	0.0	0.0	0.0
2	10	0.0	0.0	-1.32e-03	0.0	0.0	-978.71	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.90e-05	0.0	15.0	-978.71	0.0	0.0	0.0	0.0	0.0
2	11	0.0	0.0	-1.49e-03	0.0	0.0	-971.58	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.81e-06	0.0	15.0	-971.58	0.0	0.0	0.0	0.0	0.0
5	1	-7.10	-2.62	1.00e-03	0.0	0.0	-1621.97	47.31	17.49	0.0	-8.74	-23.66
		-23.66	-8.74	-2.72e-03	0.0	35.0	-1617.72	47.31	17.49	0.0	-2.62	-7.10
5	2	-5.91	-2.19	1.00e-03	0.0	0.0	-1663.97	39.40	14.61	0.0	-7.30	-19.70
		-19.70	-7.30	-2.71e-03	0.0	35.0	-1659.72	39.40	14.61	0.0	-2.19	-5.91
5	3	-6.84	-2.53	1.03e-03	0.0	0.0	-1634.49	45.57	16.86	0.0	-8.43	-22.78
		-22.78	-8.43	-2.78e-03	0.0	35.0	-1630.23	45.57	16.86	0.0	-2.53	-6.84
5	4	21.83	7.72	1.66e-03	0.0	0.0	-1635.33	-43.66	-15.44	0.0	7.72	21.83
		6.55	2.32	-4.47e-03	0.0	35.0	-1631.08	-43.66	-15.44	0.0	2.32	6.55
5	5	53.14	19.10	1.73e-03	0.0	0.0	-1928.41	-106.28	-38.20	0.0	19.10	53.14
		15.94	5.73	-4.64e-03	0.0	35.0	-1924.16	-106.28	-38.20	0.0	5.73	15.94
5	6	17.15	6.01	1.69e-03	0.0	0.0	-1843.19	-34.30	-12.02	0.0	6.01	17.15
		5.14	1.80	-4.55e-03	0.0	35.0	-1838.94	-34.30	-12.02	0.0	1.80	5.14
5	7	-6.84	-2.53	1.02e-03	0.0	0.0	-1609.84	45.58	16.86	0.0	-8.43	-22.79
		-22.79	-8.43	-2.78e-03	0.0	35.0	-1605.58	45.58	16.86	0.0	-2.53	-6.84
5	8	-5.28	-1.95	7.87e-04	0.0	0.0	-1255.78	35.21	13.02	0.0	-6.51	-17.60
		-17.60	-6.51	-2.13e-03	0.0	35.0	-1252.63	35.21	13.02	0.0	-1.95	-5.28
5	9	-4.98	-1.84	7.18e-04	0.0	0.0	-1154.07	33.20	12.27	0.0	-6.14	-16.60
		-16.60	-6.14	-1.95e-03	0.0	35.0	-1150.92	33.20	12.27	0.0	-1.84	-4.98
5	10	-4.83	-1.79	7.31e-04	0.0	0.0	-1161.03	32.23	11.92	0.0	-5.96	-16.11
		-16.11	-5.96	-1.98e-03	0.0	35.0	-1157.88	32.23	11.92	0.0	-1.79	-4.83
5	11	6.07	2.06	1.10e-03	0.0	0.0	-1276.98	-12.14	-4.12	0.0	2.06	6.07
		1.82	0.62	-2.97e-03	0.0	35.0	-1273.83	-12.14	-4.12	0.0	0.62	1.82
8	1	0.60	0.0	1.07e-03	0.0	0.0	-1931.71	-1.20	0.0	0.0	0.0	0.60
		0.18	0.0	-2.90e-03	0.0	35.0	-1927.45	-1.20	0.0	0.0	0.0	0.18
8	2	0.59	0.0	1.05e-03	0.0	0.0	-1930.49	-1.18	0.0	0.0	0.0	0.59
		0.18	0.0	-2.85e-03	0.0	35.0	-1926.24	-1.18	0.0	0.0	0.0	0.18
8	3	0.58	0.0	1.03e-03	0.0	0.0	-1954.16	-1.15	0.0	0.0	0.0	0.58
		0.17	0.0	-2.78e-03	0.0	35.0	-1949.91	-1.15	0.0	0.0	0.0	0.17
8	4	0.07	0.0	1.56e-04	0.0	0.0	-1958.08	-0.14	0.0	0.0	0.0	0.07
		0.02	0.0	-4.22e-04	0.0	35.0	-1953.82	-0.14	0.0	0.0	0.0	0.02
8	5	0.24	0.0	4.51e-04	0.0	0.0	-1980.22	-0.47	0.0	0.0	0.0	0.24
		0.07	0.0	-1.23e-03	0.0	35.0	-1975.97	-0.47	0.0	0.0	0.0	0.07
8	6	0.46	0.0	8.28e-04	0.0	0.0	-1923.57	-0.92	0.0	0.0	0.0	0.46
		0.14	0.0	-2.26e-03	0.0	35.0	-1919.32	-0.92	0.0	0.0	0.0	0.14
8	7	0.54	0.0	9.59e-04	0.0	0.0	-1938.15	-1.08	0.0	0.0	0.0	0.54
		0.16	0.0	-2.60e-03	0.0	35.0	-1933.90	-1.08	0.0	0.0	0.0	0.16
8	8	0.45	0.0	8.00e-04	0.0	0.0	-1501.90	-0.90	0.0	0.0	0.0	0.45
		0.13	0.0	-2.17e-03	0.0	35.0	-1498.75	-0.90	0.0	0.0	0.0	0.13
8	9	0.41	0.0	7.38e-04	0.0	0.0	-1376.05	-0.83	0.0	0.0	0.0	0.41
		0.12	0.0	-2.00e-03	0.0	35.0	-1372.90	-0.83	0.0	0.0	0.0	0.12
8	10	0.40	0.0	7.16e-04	0.0	0.0	-1388.53	-0.80	0.0	0.0	0.0	0.40
		0.12	0.0	-1.94e-03	0.0	35.0	-1385.38	-0.80	0.0	0.0	0.0	0.12
8	11	0.34	0.0	6.05e-04	0.0	0.0	-1371.53	-0.67	0.0	0.0	0.0	0.34
		0.10	0.0	-1.65e-03	0.0	35.0	-1368.38	-0.67	0.0	0.0	0.0	0.10
11	1	0.15	0.0	4.57e-04	0.0	0.0	-1927.45	-1.03	0.0	0.0	0.0	0.15
		0.0	0.0	-9.63e-04	0.0	15.0	-1927.45	-1.03	0.0	0.0	0.0	0.0

11	2	0.15	0.0	4.51e-04	0.0	0.0	-1926.24	-1.01	0.0	0.0	0.0	0.15
		0.0	0.0	-9.50e-04	0.0	15.0	-1926.24	-1.01	0.0	0.0	0.0	0.0
11	3	0.15	0.0	4.40e-04	0.0	0.0	-1949.91	-0.97	0.0	0.0	0.0	0.15
		0.0	0.0	-9.02e-04	0.0	15.0	-1949.91	-0.97	0.0	0.0	0.0	0.0
11	4	0.12	0.0	6.70e-05	0.0	0.0	-1953.82	-0.81	0.0	0.0	0.0	0.12
		0.0	0.0	-1.25e-03	0.0	15.0	-1953.82	-0.81	0.0	0.0	0.0	0.0
11	5	0.16	0.0	1.93e-04	0.0	0.0	-1975.97	-1.09	0.0	0.0	0.0	0.16
		0.0	0.0	-1.50e-03	0.0	15.0	-1975.97	-1.09	0.0	0.0	0.0	0.0
11	6	0.17	0.0	3.55e-04	0.0	0.0	-1919.32	-1.13	0.0	0.0	0.0	0.17
		0.0	0.0	-1.30e-03	0.0	15.0	-1919.32	-1.13	0.0	0.0	0.0	0.0
11	7	0.14	0.0	4.11e-04	0.0	0.0	-1933.90	-0.94	0.0	0.0	0.0	0.14
		0.0	0.0	-8.98e-04	0.0	15.0	-1933.90	-0.94	0.0	0.0	0.0	0.0
11	8	0.11	0.0	3.43e-04	0.0	0.0	-1498.75	-0.75	0.0	0.0	0.0	0.11
		0.0	0.0	-6.96e-04	0.0	15.0	-1498.75	-0.75	0.0	0.0	0.0	0.0
11	9	0.11	0.0	3.16e-04	0.0	0.0	-1372.90	-0.71	0.0	0.0	0.0	0.11
		0.0	0.0	-6.73e-04	0.0	15.0	-1372.90	-0.71	0.0	0.0	0.0	0.0
11	10	0.10	0.0	3.07e-04	0.0	0.0	-1385.38	-0.68	0.0	0.0	0.0	0.10
		0.0	0.0	-6.39e-04	0.0	15.0	-1385.38	-0.68	0.0	0.0	0.0	0.0
11	11	0.12	0.0	2.59e-04	0.0	0.0	-1368.38	-0.77	0.0	0.0	0.0	0.12
		0.0	0.0	-8.61e-04	0.0	15.0	-1368.38	-0.77	0.0	0.0	0.0	0.0
14	1	0.0	0.0	4.29e-04	0.0	0.0	-1617.72	47.31	17.49	0.0	-2.62	-7.10
		-7.10	-2.62	-1.17e-03	0.0	15.0	-1617.72	47.31	17.49	0.0	0.0	0.0
14	2	0.0	0.0	4.28e-04	0.0	0.0	-1659.72	39.40	14.61	0.0	-2.19	-5.91
		-5.91	-2.19	-1.16e-03	0.0	15.0	-1659.72	39.40	14.61	0.0	0.0	0.0
14	3	0.0	0.0	4.38e-04	0.0	0.0	-1630.23	45.57	16.86	0.0	-2.53	-6.84
		-6.84	-2.53	-1.19e-03	0.0	15.0	-1630.23	45.57	16.86	0.0	0.0	0.0
14	4	6.55	2.32	7.11e-04	0.0	0.0	-1631.08	-43.66	-15.44	0.0	2.32	6.55
		0.0	0.0	-1.91e-03	0.0	15.0	-1631.08	-43.66	-15.44	0.0	0.0	0.0
14	5	15.94	5.73	7.42e-04	0.0	0.0	-1924.16	-106.28	-38.20	0.0	5.73	15.94
		0.0	0.0	-1.99e-03	0.0	15.0	-1924.16	-106.28	-38.20	0.0	0.0	0.0
14	6	5.14	1.80	7.25e-04	0.0	0.0	-1838.94	-34.30	-12.02	0.0	1.80	5.14
		0.0	0.0	-1.95e-03	0.0	15.0	-1838.94	-34.30	-12.02	0.0	0.0	0.0
14	7	0.0	0.0	4.37e-04	0.0	0.0	-1605.58	45.58	16.86	0.0	-2.53	-6.84
		-6.84	-2.53	-1.19e-03	0.0	15.0	-1605.58	45.58	16.86	0.0	0.0	0.0
14	8	0.0	0.0	3.36e-04	0.0	0.0	-1252.63	35.21	13.02	0.0	-1.95	-5.28
		-5.28	-1.95	-9.14e-04	0.0	15.0	-1252.63	35.21	13.02	0.0	0.0	0.0
14	9	0.0	0.0	3.07e-04	0.0	0.0	-1150.92	33.20	12.27	0.0	-1.84	-4.98
		-4.98	-1.84	-8.36e-04	0.0	15.0	-1150.92	33.20	12.27	0.0	0.0	0.0
14	10	0.0	0.0	3.12e-04	0.0	0.0	-1157.88	32.23	11.92	0.0	-1.79	-4.83
		-4.83	-1.79	-8.50e-04	0.0	15.0	-1157.88	32.23	11.92	0.0	0.0	0.0
14	11	1.82	0.62	4.72e-04	0.0	0.0	-1273.83	-12.14	-4.12	0.0	0.62	1.82
		0.0	0.0	-1.27e-03	0.0	15.0	-1273.83	-12.14	-4.12	0.0	0.0	0.0
16	1	-0.15	0.0	-2.29e-03	0.0	0.0	-3238.66	1.01	0.0	0.0	0.0	-0.50
		-0.50	0.0	5.98e-03	0.0	35.0	-3234.41	1.01	0.0	0.0	0.0	-0.15
16	2	-0.15	0.0	-2.28e-03	0.0	0.0	-2739.34	1.02	0.0	0.0	0.0	-0.51
		-0.51	0.0	5.98e-03	0.0	35.0	-2735.08	1.02	0.0	0.0	0.0	-0.15
16	3	-0.16	0.0	-2.39e-03	0.0	0.0	-2670.69	1.07	0.0	0.0	0.0	-0.54
		-0.54	0.0	6.26e-03	0.0	35.0	-2666.44	1.07	0.0	0.0	0.0	-0.16
16	4	-0.07	0.0	-1.13e-03	0.0	0.0	-2674.38	0.46	0.0	0.0	0.0	-0.23
		-0.23	0.0	2.88e-03	0.0	35.0	-2670.12	0.46	0.0	0.0	0.0	-0.07
16	5	-0.07	0.0	-1.14e-03	0.0	0.0	-2699.92	0.46	0.0	0.0	0.0	-0.23
		-0.23	0.0	2.90e-03	0.0	35.0	-2695.67	0.46	0.0	0.0	0.0	-0.07
16	6	-0.07	0.0	-1.17e-03	0.0	0.0	-2794.66	0.48	0.0	0.0	0.0	-0.24
		-0.24	0.0	2.98e-03	0.0	35.0	-2790.41	0.48	0.0	0.0	0.0	-0.07
16	7	-0.07	0.0	-1.17e-03	0.0	0.0	-2682.28	0.48	0.0	0.0	0.0	-0.24
		-0.24	0.0	3.01e-03	0.0	35.0	-2678.03	0.48	0.0	0.0	0.0	-0.07
16	8	-0.13	0.0	-1.95e-03	0.0	0.0	-2068.08	0.88	0.0	0.0	0.0	-0.44
		-0.44	0.0	5.12e-03	0.0	35.0	-2064.93	0.88	0.0	0.0	0.0	-0.13
16	9	-0.09	0.0	-1.44e-03	0.0	0.0	-2198.66	0.63	0.0	0.0	0.0	-0.32
		-0.32	0.0	3.77e-03	0.0	35.0	-2195.51	0.63	0.0	0.0	0.0	-0.09
16	10	-0.10	0.0	-1.50e-03	0.0	0.0	-1883.12	0.67	0.0	0.0	0.0	-0.33
		-0.33	0.0	3.93e-03	0.0	35.0	-1879.97	0.67	0.0	0.0	0.0	-0.10
16	11	-0.05	0.0	-8.22e-04	0.0	0.0	-1951.99	0.34	0.0	0.0	0.0	-0.17
		-0.17	0.0	2.11e-03	0.0	35.0	-1948.84	0.34	0.0	0.0	0.0	-0.05
17	1	0.0	0.0	-9.80e-04	0.0	0.0	-3234.41	1.45	0.0	0.0	0.0	-0.22
		-0.22	0.0	1.86e-03	0.0	15.0	-3234.41	1.45	0.0	0.0	0.0	0.0
17	2	0.0	0.0	-9.78e-04	0.0	0.0	-2735.08	1.31	0.0	0.0	0.0	-0.20
		-0.20	0.0	2.10e-03	0.0	15.0	-2735.08	1.31	0.0	0.0	0.0	0.0
17	3	0.0	0.0	-1.02e-03	0.0	0.0	-2666.44	1.56	0.0	0.0	0.0	-0.23
		-0.23	0.0	1.91e-03	0.0	15.0	-2666.44	1.56	0.0	0.0	0.0	0.0
17	4	0.0	0.0	-4.84e-04	0.0	0.0	-2670.12	0.31	0.0	0.0	0.0	-0.05
		-0.05	0.0	1.47e-03	0.0	15.0	-2670.12	0.31	0.0	0.0	0.0	0.0

17	5	0.0	0.0	-4.87e-04	0.0	0.0	-2695.67	0.33	0.0	0.0	0.0	-0.05
		-0.05	0.0	1.46e-03	0.0	15.0	-2695.67	0.33	0.0	0.0	0.0	0.0
17	6	0.0	0.0	-5.00e-04	0.0	0.0	-2790.41	0.38	0.0	0.0	0.0	-0.06
		-0.06	0.0	1.42e-03	0.0	15.0	-2790.41	0.38	0.0	0.0	0.0	0.0
17	7	0.0	0.0	-5.03e-04	0.0	0.0	-2678.03	0.39	0.0	0.0	0.0	-0.06
		-0.06	0.0	1.44e-03	0.0	15.0	-2678.03	0.39	0.0	0.0	0.0	0.0
17	8	0.0	0.0	-8.38e-04	0.0	0.0	-2064.93	1.31	0.0	0.0	0.0	-0.20
		-0.20	0.0	1.52e-03	0.0	15.0	-2064.93	1.31	0.0	0.0	0.0	0.0
17	9	0.0	0.0	-6.19e-04	0.0	0.0	-2195.51	0.86	0.0	0.0	0.0	-0.13
		-0.13	0.0	1.25e-03	0.0	15.0	-2195.51	0.86	0.0	0.0	0.0	0.0
17	10	0.0	0.0	-6.42e-04	0.0	0.0	-1879.97	0.92	0.0	0.0	0.0	-0.14
		-0.14	0.0	1.28e-03	0.0	15.0	-1879.97	0.92	0.0	0.0	0.0	0.0
17	11	0.0	0.0	-3.52e-04	0.0	0.0	-1948.84	0.27	0.0	0.0	0.0	-0.04
		-0.04	0.0	1.01e-03	0.0	15.0	-1948.84	0.27	0.0	0.0	0.0	0.0
18	1	-0.03	0.0	-1.30e-03	0.0	0.0	-2212.18	0.22	0.0	0.0	0.0	-0.11
		-0.11	0.0	3.44e-03	0.0	35.0	-2207.93	0.22	0.0	0.0	0.0	-0.03
18	2	-0.02	0.0	-9.23e-04	0.0	0.0	-1606.94	0.15	0.0	0.0	0.0	-0.08
		-0.08	0.0	2.38e-03	0.0	35.0	-1602.69	0.15	0.0	0.0	0.0	-0.02
18	3	-4.74e-03	0.0	-1.84e-04	0.0	0.0	-1362.49	0.03	0.0	0.0	0.0	-0.02
		-0.02	0.0	-3.23e-04	0.0	35.0	-1358.24	0.03	0.0	0.0	0.0	-4.74e-03
18	4	-0.03	0.0	-1.37e-03	0.0	0.0	-1359.15	0.23	0.0	0.0	0.0	-0.11
		-0.11	0.0	3.62e-03	0.0	35.0	-1354.90	0.23	0.0	0.0	0.0	-0.03
18	5	-0.04	0.0	-1.42e-03	0.0	0.0	-1407.04	0.24	0.0	0.0	0.0	-0.12
		-0.12	0.0	3.75e-03	0.0	35.0	-1402.78	0.24	0.0	0.0	0.0	-0.04
18	6	-0.04	0.0	-1.45e-03	0.0	0.0	-1414.39	0.24	0.0	0.0	0.0	-0.12
		-0.12	0.0	3.83e-03	0.0	35.0	-1410.14	0.24	0.0	0.0	0.0	-0.04
18	7	-0.03	0.0	-1.38e-03	0.0	0.0	-1357.49	0.23	0.0	0.0	0.0	-0.11
		-0.11	0.0	3.63e-03	0.0	35.0	-1353.24	0.23	0.0	0.0	0.0	-0.03
18	8	-1.71e-03	0.0	-6.87e-05	0.0	0.0	-1034.69	0.01	0.0	0.0	0.0	-5.82e-03
		-5.82e-03	0.0	-2.75e-05	0.0	35.0	-1031.54	0.01	0.0	0.0	0.0	-1.71e-03
18	9	-0.02	0.0	-9.22e-04	0.0	0.0	-1453.90	0.15	0.0	0.0	0.0	-0.08
		-0.08	0.0	2.44e-03	0.0	35.0	-1450.75	0.15	0.0	0.0	0.0	-0.02
18	10	-7.65e-03	0.0	-3.02e-04	0.0	0.0	-981.85	0.05	0.0	0.0	0.0	-0.03
		-0.03	0.0	7.12e-04	0.0	35.0	-978.70	0.05	0.0	0.0	0.0	-7.65e-03
18	11	-0.02	0.0	-1.01e-03	0.0	0.0	-1010.68	0.17	0.0	0.0	0.0	-0.08
		-0.08	0.0	2.66e-03	0.0	35.0	-1007.53	0.17	0.0	0.0	0.0	-0.02
19	1	0.0	0.0	-5.35e-05	0.0	0.0	-2183.53	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-5.47e-05	0.0	35.0	-2179.28	0.0	0.0	0.0	0.0	0.0
19	2	0.0	0.0	-4.75e-05	0.0	0.0	-2116.85	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-5.24e-05	0.0	35.0	-2112.59	0.0	0.0	0.0	0.0	0.0
19	3	0.0	0.0	-4.06e-05	0.0	0.0	-2095.91	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-5.12e-05	0.0	35.0	-2091.66	0.0	0.0	0.0	0.0	0.0
19	4	0.0	0.0	-5.15e-05	0.0	0.0	-2106.37	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.96e-05	0.0	35.0	-2102.12	0.0	0.0	0.0	0.0	0.0
19	5	0.0	0.0	-5.45e-05	0.0	0.0	-2118.28	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-5.31e-05	0.0	35.0	-2114.02	0.0	0.0	0.0	0.0	0.0
19	6	0.0	0.0	-4.95e-05	0.0	0.0	-2186.32	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-5.69e-05	0.0	35.0	-2182.06	0.0	0.0	0.0	0.0	0.0
19	7	0.0	0.0	-4.82e-05	0.0	0.0	-2111.34	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-5.38e-05	0.0	35.0	-2107.08	0.0	0.0	0.0	0.0	0.0
19	8	0.0	0.0	-3.05e-05	0.0	0.0	-1627.97	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-3.96e-05	0.0	35.0	-1624.82	0.0	0.0	0.0	0.0	0.0
19	9	0.0	0.0	-3.73e-05	0.0	0.0	-1521.87	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-3.83e-05	0.0	35.0	-1518.72	0.0	0.0	0.0	0.0	0.0
19	10	0.0	0.0	-3.01e-05	0.0	0.0	-1473.19	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-3.63e-05	0.0	35.0	-1470.04	0.0	0.0	0.0	0.0	0.0
19	11	0.0	0.0	-3.51e-05	0.0	0.0	-1523.42	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-3.95e-05	0.0	35.0	-1520.27	0.0	0.0	0.0	0.0	0.0
20	1	0.0	0.0	-4.23e-03	0.0	0.0	-2179.28	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.53e-04	0.0	15.0	-2179.28	0.0	0.0	0.0	0.0	0.0
20	2	0.0	0.0	-3.55e-03	0.0	0.0	-2112.59	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.93e-04	0.0	15.0	-2112.59	0.0	0.0	0.0	0.0	0.0
20	3	0.0	0.0	-4.59e-03	0.0	0.0	-2091.66	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.75e-04	0.0	15.0	-2091.66	0.0	0.0	0.0	0.0	0.0
20	4	0.0	0.0	-8.63e-04	0.0	0.0	-2102.12	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-3.18e-04	0.0	15.0	-2102.12	0.0	0.0	0.0	0.0	0.0
20	5	0.0	0.0	-7.61e-04	0.0	0.0	-2114.02	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.80e-04	0.0	15.0	-2114.02	0.0	0.0	0.0	0.0	0.0
20	6	0.0	0.0	-8.04e-04	0.0	0.0	-2182.06	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.63e-04	0.0	15.0	-2182.06	0.0	0.0	0.0	0.0	0.0
20	7	0.0	0.0	-9.96e-04	0.0	0.0	-2107.08	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.72e-04	0.0	15.0	-2107.08	0.0	0.0	0.0	0.0	0.0

20	8	0.0	0.0	-4.27e-03	0.0	0.0	-1624.82	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-3.82e-04	0.0	15.0	-1624.82	0.0	0.0	0.0	0.0	0.0
20	9	0.0	0.0	-2.31e-03	0.0	0.0	-1518.72	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.95e-04	0.0	15.0	-1518.72	0.0	0.0	0.0	0.0	0.0
20	10	0.0	0.0	-2.51e-03	0.0	0.0	-1470.04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-3.07e-04	0.0	15.0	-1470.04	0.0	0.0	0.0	0.0	0.0
20	11	0.0	0.0	-4.08e-04	0.0	0.0	-1520.26	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.89e-04	0.0	15.0	-1520.26	0.0	0.0	0.0	0.0	0.0
21	1	0.66	0.0	4.33e-04	0.0	0.0	-2631.17	-4.38	0.0	0.0	0.0	0.66
		0.0	0.0	-8.93e-04	0.0	15.0	-2631.17	-4.38	0.0	0.0	0.0	0.0
21	2	0.55	0.0	4.27e-04	0.0	0.0	-2542.23	-3.70	0.0	0.0	0.0	0.55
		0.0	0.0	-9.28e-04	0.0	15.0	-2542.23	-3.70	0.0	0.0	0.0	0.0
21	3	0.64	0.0	4.42e-04	0.0	0.0	-2520.42	-4.30	0.0	0.0	0.0	0.64
		0.0	0.0	-9.25e-04	0.0	15.0	-2520.42	-4.30	0.0	0.0	0.0	0.0
21	4	1.71	0.0	7.59e-04	0.0	0.0	-2518.08	-11.37	0.0	0.0	0.0	1.71
		0.0	0.0	-1.29e-03	0.0	15.0	-2518.08	-11.37	0.0	0.0	0.0	0.0
21	5	1.05	0.0	7.48e-04	0.0	0.0	-2495.92	-7.02	0.0	0.0	0.0	1.05
		0.0	0.0	-1.60e-03	0.0	15.0	-2495.92	-7.02	0.0	0.0	0.0	0.0
21	6	1.81	0.0	7.80e-04	0.0	0.0	-3078.83	-12.07	0.0	0.0	0.0	1.81
		0.0	0.0	-1.29e-03	0.0	15.0	-3078.83	-12.07	0.0	0.0	0.0	0.0
21	7	0.67	0.0	4.43e-04	0.0	0.0	-2525.81	-4.49	0.0	0.0	0.0	0.67
		0.0	0.0	-9.13e-04	0.0	15.0	-2525.81	-4.49	0.0	0.0	0.0	0.0
21	8	0.50	0.0	3.39e-04	0.0	0.0	-1952.30	-3.34	0.0	0.0	0.0	0.50
		0.0	0.0	-7.05e-04	0.0	15.0	-1952.30	-3.34	0.0	0.0	0.0	0.0
21	9	0.46	0.0	3.10e-04	0.0	0.0	-1837.85	-3.07	0.0	0.0	0.0	0.46
		0.0	0.0	-6.44e-04	0.0	15.0	-1837.85	-3.07	0.0	0.0	0.0	0.0
21	10	0.45	0.0	3.15e-04	0.0	0.0	-1776.32	-3.03	0.0	0.0	0.0	0.45
		0.0	0.0	-6.62e-04	0.0	15.0	-1776.32	-3.03	0.0	0.0	0.0	0.0
21	11	1.10	0.0	5.03e-04	0.0	0.0	-2086.55	-7.35	0.0	0.0	0.0	1.10
		0.0	0.0	-8.65e-04	0.0	15.0	-2086.55	-7.35	0.0	0.0	0.0	0.0
22	1	0.0	0.0	-1.08e-04	0.0	0.0	-2672.32	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-6.69e-05	0.0	35.0	-2668.06	0.0	0.0	0.0	0.0	0.0
22	2	0.0	0.0	-1.01e-04	0.0	0.0	-2580.66	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-6.44e-05	0.0	35.0	-2576.40	0.0	0.0	0.0	0.0	0.0
22	3	0.0	0.0	-9.33e-05	0.0	0.0	-2556.29	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-6.32e-05	0.0	35.0	-2552.04	0.0	0.0	0.0	0.0	0.0
22	4	0.0	0.0	-1.04e-04	0.0	0.0	-2548.02	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-6.11e-05	0.0	35.0	-2543.76	0.0	0.0	0.0	0.0	0.0
22	5	0.0	0.0	-1.08e-04	0.0	0.0	-2610.13	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-6.53e-05	0.0	35.0	-2605.88	0.0	0.0	0.0	0.0	0.0
22	6	0.0	0.0	-1.04e-04	0.0	0.0	-2670.69	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-6.93e-05	0.0	35.0	-2666.43	0.0	0.0	0.0	0.0	0.0
22	7	0.0	0.0	-1.01e-04	0.0	0.0	-2563.89	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-6.58e-05	0.0	35.0	-2559.64	0.0	0.0	0.0	0.0	0.0
22	8	0.0	0.0	-7.12e-05	0.0	0.0	-1981.15	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.87e-05	0.0	35.0	-1978.00	0.0	0.0	0.0	0.0	0.0
22	9	0.0	0.0	-7.55e-05	0.0	0.0	-1865.15	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.70e-05	0.0	35.0	-1862.00	0.0	0.0	0.0	0.0	0.0
22	10	0.0	0.0	-6.74e-05	0.0	0.0	-1800.70	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.50e-05	0.0	35.0	-1797.55	0.0	0.0	0.0	0.0	0.0
22	11	0.0	0.0	-7.34e-05	0.0	0.0	-1864.25	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.84e-05	0.0	35.0	-1861.10	0.0	0.0	0.0	0.0	0.0
23	1	0.0	0.0	-2.80e-04	0.0	0.0	-2668.06	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-9.16e-05	0.0	15.0	-2668.06	0.0	0.0	0.0	0.0	0.0
23	2	0.0	0.0	-3.75e-04	0.0	0.0	-2576.41	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-7.18e-05	0.0	15.0	-2576.41	0.0	0.0	0.0	0.0	0.0
23	3	0.0	0.0	-5.60e-04	0.0	0.0	-2552.04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-5.92e-05	0.0	15.0	-2552.04	0.0	0.0	0.0	0.0	0.0
23	4	0.0	0.0	-1.65e-03	0.0	0.0	-2543.77	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-3.12e-05	0.0	15.0	-2543.77	0.0	0.0	0.0	0.0	0.0
23	5	0.0	0.0	-1.88e-03	0.0	0.0	-2605.88	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.45e-05	0.0	15.0	-2605.88	0.0	0.0	0.0	0.0	0.0
23	6	0.0	0.0	-1.09e-03	0.0	0.0	-2666.43	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-9.98e-05	0.0	15.0	-2666.43	0.0	0.0	0.0	0.0	0.0
23	7	0.0	0.0	-4.49e-04	0.0	0.0	-2559.64	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-8.13e-05	0.0	15.0	-2559.64	0.0	0.0	0.0	0.0	0.0
23	8	0.0	0.0	-3.23e-04	0.0	0.0	-1978.00	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.55e-05	0.0	15.0	-1978.00	0.0	0.0	0.0	0.0	0.0
23	9	0.0	0.0	-2.77e-04	0.0	0.0	-1862.00	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-6.14e-05	0.0	15.0	-1862.00	0.0	0.0	0.0	0.0	0.0
23	10	0.0	0.0	-4.33e-04	0.0	0.0	-1797.55	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.33e-05	0.0	15.0	-1797.55	0.0	0.0	0.0	0.0	0.0

23	11	0.0	0.0	-7.30e-04	0.0	0.0	-1861.10	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-6.59e-05	0.0	15.0	-1861.10	0.0	0.0	0.0	0.0	0.0
24	1	0.0	0.0	-5.57e-04	0.0	0.0	-2207.93	7.39	0.0	0.0	0.0	-1.11
		-1.11	0.0	1.12e-03	0.0	15.0	-2207.93	7.39	0.0	0.0	0.0	0.0
24	2	0.0	0.0	-3.96e-04	0.0	0.0	-1602.69	25.06	0.0	0.0	0.0	-3.76
		-3.76	0.0	1.97e-04	0.0	15.0	-1602.69	25.06	0.0	0.0	0.0	0.0
24	3	0.0	0.0	-7.90e-05	0.0	0.0	-1358.24	56.08	0.0	0.0	0.0	-8.41
		-8.41	0.0	-2.60e-03	0.0	15.0	-1358.24	56.08	0.0	0.0	0.0	0.0
24	4	0.16	0.0	-5.89e-04	0.0	0.0	-1354.90	-1.08	0.0	0.0	0.0	0.16
		0.0	0.0	1.61e-03	0.0	15.0	-1354.90	-1.08	0.0	0.0	0.0	0.0
24	5	0.14	0.0	-6.09e-04	0.0	0.0	-1402.78	-0.93	0.0	0.0	0.0	0.14
		0.0	0.0	1.66e-03	0.0	15.0	-1402.78	-0.93	0.0	0.0	0.0	0.0
24	6	0.0	0.0	-6.21e-04	0.0	0.0	-1410.14	0.66	0.0	0.0	0.0	-0.10
		-0.10	0.0	1.62e-03	0.0	15.0	-1410.14	0.66	0.0	0.0	0.0	0.0
24	7	0.0	0.0	-5.92e-04	0.0	0.0	-1353.24	0.30	0.0	0.0	0.0	-0.04
		-0.04	0.0	1.55e-03	0.0	15.0	-1353.24	0.30	0.0	0.0	0.0	0.0
24	8	0.0	0.0	-2.95e-05	0.0	0.0	-1031.54	48.01	0.0	0.0	0.0	-7.20
		-7.20	0.0	-2.33e-03	0.0	15.0	-1031.54	48.01	0.0	0.0	0.0	0.0
24	9	0.0	0.0	-3.95e-04	0.0	0.0	-1450.75	3.91	0.0	0.0	0.0	-0.59
		-0.59	0.0	8.64e-04	0.0	15.0	-1450.75	3.91	0.0	0.0	0.0	0.0
24	10	0.0	0.0	-1.30e-04	0.0	0.0	-978.70	30.96	0.0	0.0	0.0	-4.64
		-4.64	0.0	-1.20e-03	0.0	15.0	-978.70	30.96	0.0	0.0	0.0	0.0
24	11	0.0	0.0	-4.31e-04	0.0	0.0	-1007.53	0.17	0.0	0.0	0.0	-0.03
		-0.03	0.0	1.14e-03	0.0	15.0	-1007.53	0.17	0.0	0.0	0.0	0.0
25	1	0.53	0.0	1.01e-03	0.0	0.0	-2057.49	-1.06	0.0	0.0	0.0	0.53
		0.16	0.0	-2.79e-03	0.0	35.0	-2053.23	-1.06	0.0	0.0	0.0	0.16
25	2	0.51	0.0	9.81e-04	0.0	0.0	-1993.35	-1.03	0.0	0.0	0.0	0.51
		0.15	0.0	-2.71e-03	0.0	35.0	-1989.10	-1.03	0.0	0.0	0.0	0.15
25	3	0.50	0.0	9.52e-04	0.0	0.0	-1984.83	-1.00	0.0	0.0	0.0	0.50
		0.15	0.0	-2.63e-03	0.0	35.0	-1980.57	-1.00	0.0	0.0	0.0	0.15
25	4	0.33	0.0	5.88e-04	0.0	0.0	-1985.00	-0.65	0.0	0.0	0.0	0.33
		0.10	0.0	-1.63e-03	0.0	35.0	-1980.75	-0.65	0.0	0.0	0.0	0.10
25	5	0.41	0.0	7.73e-04	0.0	0.0	-1994.43	-0.83	0.0	0.0	0.0	0.41
		0.12	0.0	-2.15e-03	0.0	35.0	-1990.18	-0.83	0.0	0.0	0.0	0.12
25	6	0.52	0.0	9.69e-04	0.0	0.0	-2501.23	-1.04	0.0	0.0	0.0	0.52
		0.16	0.0	-2.71e-03	0.0	35.0	-2496.98	-1.04	0.0	0.0	0.0	0.16
25	7	0.49	0.0	9.25e-04	0.0	0.0	-1988.51	-0.97	0.0	0.0	0.0	0.49
		0.15	0.0	-2.56e-03	0.0	35.0	-1984.26	-0.97	0.0	0.0	0.0	0.15
25	8	0.39	0.0	7.41e-04	0.0	0.0	-1541.83	-0.78	0.0	0.0	0.0	0.39
		0.12	0.0	-2.05e-03	0.0	35.0	-1538.68	-0.78	0.0	0.0	0.0	0.12
25	9	0.37	0.0	6.99e-04	0.0	0.0	-1434.72	-0.74	0.0	0.0	0.0	0.37
		0.11	0.0	-1.93e-03	0.0	35.0	-1431.57	-0.74	0.0	0.0	0.0	0.11
25	10	0.35	0.0	6.66e-04	0.0	0.0	-1394.36	-0.70	0.0	0.0	0.0	0.35
		0.11	0.0	-1.85e-03	0.0	35.0	-1391.21	-0.70	0.0	0.0	0.0	0.11
25	11	0.36	0.0	6.76e-04	0.0	0.0	-1681.25	-0.72	0.0	0.0	0.0	0.36
		0.11	0.0	-1.89e-03	0.0	35.0	-1678.10	-0.72	0.0	0.0	0.0	0.11
26	1	0.86	0.0	4.33e-04	0.0	0.0	-2053.23	-5.70	0.0	0.0	0.0	0.86
		0.0	0.0	-1.70e-03	0.0	15.0	-2053.23	-5.70	0.0	0.0	0.0	0.0
26	2	0.93	0.0	4.20e-04	0.0	0.0	-1989.09	-6.17	0.0	0.0	0.0	0.93
		0.0	0.0	-1.72e-03	0.0	15.0	-1989.09	-6.17	0.0	0.0	0.0	0.0
26	3	0.91	0.0	4.08e-04	0.0	0.0	-1980.57	-6.09	0.0	0.0	0.0	0.91
		0.0	0.0	-1.68e-03	0.0	15.0	-1980.57	-6.09	0.0	0.0	0.0	0.0
26	4	0.0	0.0	2.52e-04	0.0	0.0	-1980.75	1.68	0.0	0.0	0.0	-0.25
		-0.25	0.0	-4.44e-04	0.0	15.0	-1980.75	1.68	0.0	0.0	0.0	0.0
26	5	0.38	0.0	3.31e-04	0.0	0.0	-1990.18	-2.55	0.0	0.0	0.0	0.38
		0.0	0.0	-1.11e-03	0.0	15.0	-1990.18	-2.55	0.0	0.0	0.0	0.0
26	6	0.52	0.0	4.15e-04	0.0	0.0	-2496.98	-3.48	0.0	0.0	0.0	0.52
		0.0	0.0	-1.43e-03	0.0	15.0	-2496.98	-3.48	0.0	0.0	0.0	0.0
26	7	0.77	0.0	3.96e-04	0.0	0.0	-1984.26	-5.13	0.0	0.0	0.0	0.77
		0.0	0.0	-1.55e-03	0.0	15.0	-1984.26	-5.13	0.0	0.0	0.0	0.0
26	8	0.70	0.0	3.17e-04	0.0	0.0	-1538.68	-4.68	0.0	0.0	0.0	0.70
		0.0	0.0	-1.30e-03	0.0	15.0	-1538.68	-4.68	0.0	0.0	0.0	0.0
26	9	0.61	0.0	2.99e-04	0.0	0.0	-1431.57	-4.05	0.0	0.0	0.0	0.61
		0.0	0.0	-1.19e-03	0.0	15.0	-1431.57	-4.05	0.0	0.0	0.0	0.0
26	10	0.64	0.0	2.85e-04	0.0	0.0	-1391.20	-4.27	0.0	0.0	0.0	0.64
		0.0	0.0	-1.18e-03	0.0	15.0	-1391.20	-4.27	0.0	0.0	0.0	0.0
26	11	0.42	0.0	2.90e-04	0.0	0.0	-1678.10	-2.82	0.0	0.0	0.0	0.42
		0.0	0.0	-1.04e-03	0.0	15.0	-1678.10	-2.82	0.0	0.0	0.0	0.0
27	1	0.0	0.0	3.98e-05	0.0	0.0	-1202.60	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.42e-06	0.0	35.0	-1198.35	0.0	0.0	0.0	0.0	0.0
27	2	0.0	0.0	4.89e-05	0.0	0.0	-1561.70	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.04e-06	0.0	35.0	-1557.44	0.0	0.0	0.0	0.0	0.0

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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27	3	0.0	0.0	4.01e-05	0.0	0.0	-1154.17	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.20e-06	0.0	35.0	-1149.91	0.0	0.0	0.0	0.0	0.0	0.0
27	4	0.0	0.0	3.12e-05	0.0	0.0	-1157.69	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	35.0	-1153.44	0.0	0.0	0.0	0.0	0.0	0.0
27	5	0.0	0.0	3.64e-05	0.0	0.0	-1238.84	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	35.0	-1234.59	0.0	0.0	0.0	0.0	0.0	0.0
27	6	0.0	0.0	4.05e-05	0.0	0.0	-1200.78	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.77e-06	0.0	35.0	-1196.53	0.0	0.0	0.0	0.0	0.0	0.0
27	7	0.0	0.0	3.89e-05	0.0	0.0	-1155.35	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.04e-06	0.0	35.0	-1151.09	0.0	0.0	0.0	0.0	0.0	0.0
27	8	0.0	0.0	3.08e-05	0.0	0.0	-873.51	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.43e-06	0.0	35.0	-870.36	0.0	0.0	0.0	0.0	0.0	0.0
27	9	0.0	0.0	2.83e-05	0.0	0.0	-862.18	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.10e-06	0.0	35.0	-859.03	0.0	0.0	0.0	0.0	0.0	0.0
27	10	0.0	0.0	2.84e-05	0.0	0.0	-835.27	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.02e-06	0.0	35.0	-832.12	0.0	0.0	0.0	0.0	0.0	0.0
27	11	0.0	0.0	2.87e-05	0.0	0.0	-861.17	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	35.0	-858.02	0.0	0.0	0.0	0.0	0.0	0.0
28	1	-27.86	-10.12	-2.17e-03	0.0	0.0	-1922.74	185.71	67.44	0.0	-33.72	-92.86	-92.86
		-92.86	-33.72	5.63e-03	0.0	35.0	-1918.49	185.71	67.44	0.0	-10.12	-27.86	-27.86
28	2	-23.81	-8.64	-2.23e-03	0.0	0.0	-1492.22	158.75	57.63	0.0	-28.82	-79.38	-79.38
		-79.38	-28.82	5.80e-03	0.0	35.0	-1487.97	158.75	57.63	0.0	-8.64	-23.81	-23.81
28	3	-28.61	-10.39	-2.26e-03	0.0	0.0	-1123.73	190.72	69.26	0.0	-34.63	-95.36	-95.36
		-95.36	-34.63	5.87e-03	0.0	35.0	-1119.48	190.72	69.26	0.0	-10.39	-28.61	-28.61
28	4	71.71	26.12	-1.20e-03	0.0	0.0	-1122.47	-143.42	-52.25	0.0	26.12	71.71	71.71
		21.51	7.84	3.13e-03	0.0	35.0	-1118.22	-143.42	-52.25	0.0	7.84	21.51	21.51
28	5	63.65	23.19	-1.20e-03	0.0	0.0	-1169.87	-127.31	-46.39	0.0	23.19	63.65	63.65
		19.10	6.96	3.13e-03	0.0	35.0	-1165.62	-127.31	-46.39	0.0	6.96	19.10	19.10
28	6	56.98	20.76	-1.22e-03	0.0	0.0	-1130.41	-113.96	-41.53	0.0	20.76	56.98	56.98
		17.09	6.23	3.17e-03	0.0	35.0	-1126.16	-113.96	-41.53	0.0	6.23	17.09	17.09
28	7	60.34	21.99	-1.23e-03	0.0	0.0	-1089.23	-120.69	-43.98	0.0	21.99	60.34	60.34
		18.10	6.60	3.19e-03	0.0	35.0	-1084.98	-120.69	-43.98	0.0	6.60	18.10	18.10
28	8	-25.95	-9.42	-1.84e-03	0.0	0.0	-852.57	172.98	62.83	0.0	-31.41	-86.49	-86.49
		-86.49	-31.41	4.77e-03	0.0	35.0	-849.42	172.98	62.83	0.0	-9.42	-25.95	-25.95
28	9	-12.52	-4.54	-1.39e-03	0.0	0.0	-1252.81	83.45	30.28	0.0	-15.14	-41.72	-41.72
		-41.72	-15.14	3.61e-03	0.0	35.0	-1249.66	83.45	30.28	0.0	-4.54	-12.52	-12.52
28	10	-12.93	-4.69	-1.44e-03	0.0	0.0	-808.92	86.23	31.29	0.0	-15.64	-43.11	-43.11
		-43.11	-15.64	3.75e-03	0.0	35.0	-805.77	86.23	31.29	0.0	-4.69	-12.93	-12.93
28	11	41.52	15.13	-8.59e-04	0.0	0.0	-812.63	-83.04	-30.26	0.0	15.13	41.52	41.52
		12.46	4.54	2.24e-03	0.0	35.0	-809.48	-83.04	-30.26	0.0	4.54	12.46	12.46
29	1	0.0	0.0	-9.35e-04	0.0	0.0	-1918.48	185.71	67.44	0.0	-10.12	-27.86	-27.86
		-27.86	-10.12	2.41e-03	0.0	15.0	-1918.48	185.71	67.44	0.0	0.0	0.0	0.0
29	2	0.0	0.0	-9.58e-04	0.0	0.0	-1487.97	158.75	57.63	0.0	-8.64	-23.81	-23.81
		-23.81	-8.64	2.48e-03	0.0	15.0	-1487.97	158.75	57.63	0.0	0.0	0.0	0.0
29	3	0.0	0.0	-9.70e-04	0.0	0.0	-1119.48	190.72	69.26	0.0	-10.39	-28.61	-28.61
		-28.61	-10.39	2.52e-03	0.0	15.0	-1119.48	190.72	69.26	0.0	0.0	0.0	0.0
29	4	21.51	7.84	-5.10e-04	0.0	0.0	-1118.22	-143.42	-52.25	0.0	7.84	21.51	21.51
		0.0	0.0	1.34e-03	0.0	15.0	-1118.22	-143.42	-52.25	0.0	0.0	0.0	0.0
29	5	19.10	6.96	-5.13e-04	0.0	0.0	-1165.62	-127.31	-46.38	0.0	6.96	19.10	19.10
		0.0	0.0	1.34e-03	0.0	15.0	-1165.62	-127.31	-46.38	0.0	0.0	0.0	0.0
29	6	17.09	6.23	-5.20e-04	0.0	0.0	-1126.16	-113.96	-41.53	0.0	6.23	17.09	17.09
		0.0	0.0	1.36e-03	0.0	15.0	-1126.16	-113.96	-41.53	0.0	0.0	0.0	0.0
29	7	18.10	6.60	-5.23e-04	0.0	0.0	-1084.98	-120.68	-43.98	0.0	6.60	18.10	18.10
		0.0	0.0	1.37e-03	0.0	15.0	-1084.98	-120.68	-43.98	0.0	0.0	0.0	0.0
29	8	0.0	0.0	-7.92e-04	0.0	0.0	-849.42	172.98	62.83	0.0	-9.42	-25.95	-25.95
		-25.95	-9.42	2.04e-03	0.0	15.0	-849.42	172.98	62.83	0.0	0.0	0.0	0.0
29	9	0.0	0.0	-5.97e-04	0.0	0.0	-1249.66	83.45	30.28	0.0	-4.54	-12.52	-12.52
		-12.52	-4.54	1.55e-03	0.0	15.0	-1249.66	83.45	30.28	0.0	0.0	0.0	0.0
29	10	0.0	0.0	-6.17e-04	0.0	0.0	-805.77	86.23	31.29	0.0	-4.69	-12.93	-12.93
		-12.93	-4.69	1.60e-03	0.0	15.0	-805.77	86.23	31.29	0.0	0.0	0.0	0.0
29	11	12.46	4.54	-3.67e-04	0.0	0.0	-809.48	-83.04	-30.26	0.0	4.54	12.46	12.46
		0.0	0.0	9.62e-04	0.0	15.0	-809.48	-83.04	-30.26	0.0	0.0	0.0	0.0
30	1	0.0	0.0	-1.33e-03	0.0	0.0	-1198.35	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.92e-05	0.0	15.0	-1198.35	0.0	0.0	0.0	0.0	0.0	0.0
30	2	0.0	0.0	3.44e-04	0.0	0.0	-1557.44	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.62e-05	0.0	15.0	-1557.44	0.0	0.0	0.0	0.0	0.0	0.0
30	3	0.0	0.0	1.51e-03	0.0	0.0	-1149.91	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-3.00e-04	0.0	15.0	-1149.91	0.0	0.0	0.0	0.0	0.0	0.0
30	4	0.0	0.0	-1.99e-03	0.0	0.0	-1153.44	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.26e-05	0.0	15.0	-1153.44	0.0	0.0	0.0	0.0	0.0	0.0
30	5	0.0	0.0	-2.13e-03	0.0	0.0	-1234.59	0.0	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	9.49e-05	0.0	15.0	-1234.59	0.0	0.0	0.0	0.0	0.0	0.0

30	6	0.0	0.0	-2.23e-03	0.0	0.0	-1196.53	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.11e-04	0.0	15.0	-1196.53	0.0	0.0	0.0	0.0	0.0
30	7	0.0	0.0	-2.21e-03	0.0	0.0	-1151.09	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	9.24e-05	0.0	15.0	-1151.09	0.0	0.0	0.0	0.0	0.0
30	8	0.0	0.0	1.02e-03	0.0	0.0	-870.36	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.60e-04	0.0	15.0	-870.36	0.0	0.0	0.0	0.0	0.0
30	9	0.0	0.0	8.83e-04	0.0	0.0	-859.03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.01e-05	0.0	15.0	-859.03	0.0	0.0	0.0	0.0	0.0
30	10	0.0	0.0	6.95e-04	0.0	0.0	-832.12	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.55e-04	0.0	15.0	-832.12	0.0	0.0	0.0	0.0	0.0
30	11	0.0	0.0	-1.38e-03	0.0	0.0	-858.02	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.33e-05	0.0	15.0	-858.02	0.0	0.0	0.0	0.0	0.0
31	1	0.0	-117.37	-3.04e-05	0.0	0.0	-1478.39	0.0	782.49	0.0	-391.24	0.0
		0.0	-391.24	-4.76e-05	0.0	35.0	-1474.14	0.0	782.49	0.0	-117.37	0.0
31	2	0.0	-129.95	-2.30e-05	0.0	0.0	-1665.43	0.0	866.30	0.0	-433.15	0.0
		0.0	-433.15	-5.39e-05	0.0	35.0	-1661.18	0.0	866.30	0.0	-129.95	0.0
31	3	0.0	-121.78	-1.54e-05	0.0	0.0	-1554.43	0.0	811.89	0.0	-405.94	0.0
		0.0	-405.94	-5.10e-05	0.0	35.0	-1550.18	0.0	811.89	0.0	-121.78	0.0
31	4	0.0	-73.85	-3.23e-05	0.0	0.0	-1419.86	0.0	492.31	0.0	-246.15	0.0
		0.0	-246.15	-2.82e-05	0.0	35.0	-1415.61	0.0	492.31	0.0	-73.85	0.0
31	5	0.0	-64.58	-3.18e-05	0.0	0.0	-1462.17	0.0	430.55	0.0	-215.28	0.0
		0.0	-215.28	-1.90e-05	0.0	35.0	-1457.92	0.0	430.55	0.0	-64.58	0.0
31	6	0.0	-58.95	-2.44e-05	0.0	0.0	-1473.94	0.0	392.97	0.0	-196.49	0.0
		0.0	-196.49	-1.44e-05	0.0	35.0	-1469.69	0.0	392.97	0.0	-58.95	0.0
31	7	0.0	-62.26	-2.48e-05	0.0	0.0	-1398.85	0.0	415.08	0.0	-207.54	0.0
		0.0	-207.54	-1.81e-05	0.0	35.0	-1394.59	0.0	415.08	0.0	-62.26	0.0
31	8	0.0	-98.35	-1.11e-05	0.0	0.0	-1195.48	0.0	655.66	0.0	-327.83	0.0
		0.0	-327.83	-4.17e-05	0.0	35.0	-1192.33	0.0	655.66	0.0	-98.35	0.0
31	9	0.0	-75.31	-2.07e-05	0.0	0.0	-1051.86	0.0	502.07	0.0	-251.04	0.0
		0.0	-251.04	-2.96e-05	0.0	35.0	-1048.71	0.0	502.07	0.0	-75.31	0.0
31	10	0.0	-77.76	-1.23e-05	0.0	0.0	-1094.10	0.0	518.41	0.0	-259.20	0.0
		0.0	-259.20	-3.15e-05	0.0	35.0	-1090.95	0.0	518.41	0.0	-77.76	0.0
31	11	0.0	-42.85	-1.74e-05	0.0	0.0	-1049.39	0.0	285.68	0.0	-142.84	0.0
		0.0	-142.84	-1.12e-05	0.0	35.0	-1046.24	0.0	285.68	0.0	-42.85	0.0
32	1	0.0	0.0	-3.95e-03	0.0	0.0	-1474.14	0.0	790.92	0.0	-118.64	0.0
		0.0	-118.64	-3.66e-05	0.0	15.0	-1474.14	0.0	790.92	0.0	0.0	0.0
32	2	0.0	0.0	-3.20e-03	0.0	0.0	-1661.18	0.0	873.14	0.0	-130.97	0.0
		0.0	-130.97	-4.11e-05	0.0	15.0	-1661.18	0.0	873.14	0.0	0.0	0.0
32	3	0.0	0.0	-4.23e-03	0.0	0.0	-1550.18	0.0	820.95	0.0	-123.14	0.0
		0.0	-123.14	-3.87e-05	0.0	15.0	-1550.18	0.0	820.95	0.0	0.0	0.0
32	4	0.0	0.0	-8.19e-04	0.0	0.0	-1415.61	0.0	494.03	0.0	-74.10	0.0
		0.0	-74.10	-2.23e-05	0.0	15.0	-1415.61	0.0	494.03	0.0	0.0	0.0
32	5	0.0	0.0	-7.84e-04	0.0	0.0	-1457.92	0.0	432.20	0.0	-64.83	0.0
		0.0	-64.83	-1.71e-05	0.0	15.0	-1457.92	0.0	432.20	0.0	0.0	0.0
32	6	0.0	0.0	-8.77e-04	0.0	0.0	-1469.69	0.0	394.83	0.0	-59.22	0.0
		0.0	-59.22	-1.43e-05	0.0	15.0	-1469.69	0.0	394.83	0.0	0.0	0.0
32	7	0.0	0.0	-1.03e-03	0.0	0.0	-1394.59	0.0	417.27	0.0	-62.59	0.0
		0.0	-62.59	-1.64e-05	0.0	15.0	-1394.59	0.0	417.27	0.0	0.0	0.0
32	8	0.0	0.0	-3.97e-03	0.0	0.0	-1192.33	0.0	664.17	0.0	-99.63	0.0
		0.0	-99.63	-3.15e-05	0.0	15.0	-1192.33	0.0	664.17	0.0	0.0	0.0
32	9	0.0	0.0	-2.16e-03	0.0	0.0	-1048.71	0.0	506.67	0.0	-76.00	0.0
		0.0	-76.00	-2.31e-05	0.0	15.0	-1048.71	0.0	506.67	0.0	0.0	0.0
32	10	0.0	0.0	-2.31e-03	0.0	0.0	-1090.95	0.0	523.35	0.0	-78.50	0.0
		0.0	-78.50	-2.43e-05	0.0	15.0	-1090.95	0.0	523.35	0.0	0.0	0.0
32	11	0.0	0.0	-4.49e-04	0.0	0.0	-1046.24	0.0	286.62	0.0	-42.99	0.0
		0.0	-42.99	-1.07e-05	0.0	15.0	-1046.24	0.0	286.62	0.0	0.0	0.0
33	1	0.0	0.0	1.85e-05	0.0	0.0	-1393.16	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.20e-05	0.0	35.0	-1388.90	0.0	0.0	0.0	0.0	0.0
33	2	0.0	0.0	2.54e-05	0.0	0.0	-1379.67	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	9.88e-06	0.0	35.0	-1375.42	0.0	0.0	0.0	0.0	0.0
33	3	0.0	0.0	2.00e-05	0.0	0.0	-1313.73	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.56e-06	0.0	35.0	-1309.48	0.0	0.0	0.0	0.0	0.0
33	4	0.0	0.0	1.02e-05	0.0	0.0	-1310.20	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	8.24e-06	0.0	35.0	-1305.95	0.0	0.0	0.0	0.0	0.0
33	5	0.0	0.0	1.44e-05	0.0	0.0	-1429.84	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	9.97e-06	0.0	35.0	-1425.59	0.0	0.0	0.0	0.0	0.0
33	6	0.0	0.0	1.94e-05	0.0	0.0	-1394.50	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.14e-05	0.0	35.0	-1390.24	0.0	0.0	0.0	0.0	0.0
33	7	0.0	0.0	1.85e-05	0.0	0.0	-1321.19	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.01e-05	0.0	35.0	-1316.94	0.0	0.0	0.0	0.0	0.0
33	8	0.0	0.0	1.56e-05	0.0	0.0	-997.11	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.92e-06	0.0	35.0	-993.96	0.0	0.0	0.0	0.0	0.0

33	9	0.0	0.0	1.30e-05	0.0	0.0	-992.23	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	8.03e-06	0.0	35.0	-989.08	0.0	0.0	0.0	0.0	0.0
33	10	0.0	0.0	1.39e-05	0.0	0.0	-948.10	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.02e-06	0.0	35.0	-944.95	0.0	0.0	0.0	0.0	0.0
33	11	0.0	0.0	1.35e-05	0.0	0.0	-992.97	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.70e-06	0.0	35.0	-989.82	0.0	0.0	0.0	0.0	0.0
34	1	0.0	-0.27	-5.00e-05	0.0	0.0	-1168.37	0.0	1.81	0.0	-0.90	0.0
		0.0	-0.90	-2.94e-06	0.0	35.0	-1164.12	0.0	1.81	0.0	-0.27	0.0
34	2	0.0	26.47	-4.37e-05	0.0	0.0	-1204.91	0.0	-52.94	0.0	26.47	0.0
		0.0	7.94	-5.91e-06	0.0	35.0	-1200.66	0.0	-52.94	0.0	7.94	0.0
34	3	0.0	42.94	-3.57e-05	0.0	0.0	-1161.12	0.0	-85.88	0.0	42.94	0.0
		0.0	12.88	-8.60e-06	0.0	35.0	-1156.87	0.0	-85.88	0.0	12.88	0.0
34	4	0.0	120.41	-5.02e-05	0.0	0.0	-1207.26	0.0	-240.82	0.0	120.41	0.0
		0.0	36.12	-1.74e-05	0.0	35.0	-1203.01	0.0	-240.82	0.0	36.12	0.0
34	5	0.0	40.06	-5.43e-05	0.0	0.0	-1535.63	0.0	-80.12	0.0	40.06	0.0
		0.0	12.02	-8.55e-06	0.0	35.0	-1531.37	0.0	-80.12	0.0	12.02	0.0
34	6	0.0	-8.39	-4.59e-05	0.0	0.0	-1169.25	0.0	55.94	0.0	-27.97	0.0
		0.0	-27.97	-2.49e-06	0.0	35.0	-1165.00	0.0	55.94	0.0	-8.39	0.0
34	7	0.0	-3.79	-4.50e-05	0.0	0.0	-1122.06	0.0	25.27	0.0	-12.64	0.0
		0.0	-12.64	-3.27e-06	0.0	35.0	-1117.81	0.0	25.27	0.0	-3.79	0.0
34	8	0.0	35.39	-2.66e-05	0.0	0.0	-882.46	0.0	-70.77	0.0	35.39	0.0
		0.0	10.62	-7.03e-06	0.0	35.0	-879.31	0.0	-70.77	0.0	10.62	0.0
34	9	0.0	0.21	-3.49e-05	0.0	0.0	-837.69	0.0	-0.42	0.0	0.21	0.0
		0.0	0.06	-2.20e-06	0.0	35.0	-834.54	0.0	-0.42	0.0	0.06	0.0
34	10	0.0	24.57	-2.70e-05	0.0	0.0	-833.66	0.0	-49.13	0.0	24.57	0.0
		0.0	7.37	-5.34e-06	0.0	35.0	-830.51	0.0	-49.13	0.0	7.37	0.0
34	11	0.0	-4.45	-3.26e-05	0.0	0.0	-838.18	0.0	29.66	0.0	-14.83	0.0
		0.0	-14.83	-1.95e-06	0.0	35.0	-835.03	0.0	29.66	0.0	-4.45	0.0
35	1	0.0	0.0	-5.50e-04	0.0	0.0	-1164.12	0.0	3.05	0.0	-0.46	0.0
		0.0	-0.46	-1.22e-06	0.0	15.0	-1164.12	0.0	3.05	0.0	0.0	0.0
35	2	0.0	7.71	-6.74e-04	0.0	0.0	-1200.66	0.0	-51.40	0.0	7.71	0.0
		0.0	0.0	-3.63e-06	0.0	15.0	-1200.66	0.0	-51.40	0.0	0.0	0.0
35	3	0.0	12.58	-8.73e-04	0.0	0.0	-1156.87	0.0	-83.86	0.0	12.58	0.0
		0.0	0.0	-5.47e-06	0.0	15.0	-1156.87	0.0	-83.86	0.0	0.0	0.0
35	4	0.0	35.38	-2.13e-03	0.0	0.0	-1203.01	0.0	-235.86	0.0	35.38	0.0
		0.0	0.0	-1.25e-05	0.0	15.0	-1203.01	0.0	-235.86	0.0	0.0	0.0
35	5	0.0	11.20	-2.35e-03	0.0	0.0	-1531.37	0.0	-74.64	0.0	11.20	0.0
		0.0	0.0	-5.33e-06	0.0	15.0	-1531.37	0.0	-74.64	0.0	0.0	0.0
35	6	0.0	0.0	-1.35e-03	0.0	0.0	-1165.00	0.0	59.06	0.0	-8.86	0.0
		0.0	-8.86	0.0	0.0	15.0	-1165.00	0.0	59.06	0.0	0.0	0.0
35	7	0.0	0.0	-7.33e-04	0.0	0.0	-1117.81	0.0	26.95	0.0	-4.04	0.0
		0.0	-4.04	0.0	0.0	15.0	-1117.81	0.0	26.95	0.0	0.0	0.0
35	8	0.0	10.42	-5.63e-04	0.0	0.0	-879.31	0.0	-69.48	0.0	10.42	0.0
		0.0	0.0	-4.48e-06	0.0	15.0	-879.31	0.0	-69.48	0.0	0.0	0.0
35	9	0.0	0.0	-4.75e-04	0.0	0.0	-834.54	0.0	0.66	0.0	-0.10	0.0
		0.0	-0.10	0.0	0.0	15.0	-834.54	0.0	0.66	0.0	0.0	0.0
35	10	0.0	7.14	-6.54e-04	0.0	0.0	-830.51	0.0	-47.62	0.0	7.14	0.0
		0.0	0.0	-3.31e-06	0.0	15.0	-830.51	0.0	-47.62	0.0	0.0	0.0
35	11	0.0	0.0	-9.18e-04	0.0	0.0	-835.03	0.0	31.78	0.0	-4.77	0.0
		0.0	-4.77	0.0	0.0	15.0	-835.03	0.0	31.78	0.0	0.0	0.0
36	1	0.0	0.0	-1.96e-03	0.0	0.0	-1388.90	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.69e-04	0.0	15.0	-1388.90	0.0	0.0	0.0	0.0	0.0
36	2	0.0	0.0	-2.00e-03	0.0	0.0	-1375.42	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.80e-04	0.0	15.0	-1375.42	0.0	0.0	0.0	0.0	0.0
36	3	0.0	0.0	-1.76e-03	0.0	0.0	-1309.48	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.44e-04	0.0	15.0	-1309.48	0.0	0.0	0.0	0.0	0.0
36	4	0.0	0.0	5.14e-04	0.0	0.0	-1305.95	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.93e-04	0.0	15.0	-1305.95	0.0	0.0	0.0	0.0	0.0
36	5	0.0	0.0	3.39e-05	0.0	0.0	-1425.59	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.47e-04	0.0	15.0	-1425.59	0.0	0.0	0.0	0.0	0.0
36	6	0.0	0.0	5.40e-04	0.0	0.0	-1390.24	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.04e-04	0.0	15.0	-1390.24	0.0	0.0	0.0	0.0	0.0
36	7	0.0	0.0	-1.75e-03	0.0	0.0	-1316.94	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.76e-04	0.0	15.0	-1316.94	0.0	0.0	0.0	0.0	0.0
36	8	0.0	0.0	-1.26e-03	0.0	0.0	-993.96	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.91e-04	0.0	15.0	-993.96	0.0	0.0	0.0	0.0	0.0
36	9	0.0	0.0	-1.39e-03	0.0	0.0	-989.08	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.23e-04	0.0	15.0	-989.08	0.0	0.0	0.0	0.0	0.0
36	10	0.0	0.0	-1.29e-03	0.0	0.0	-944.95	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.64e-04	0.0	15.0	-944.95	0.0	0.0	0.0	0.0	0.0
36	11	0.0	0.0	7.06e-06	0.0	0.0	-989.82	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.98e-04	0.0	15.0	-989.82	0.0	0.0	0.0	0.0	0.0

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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37	1	-2.49	-0.95	1.08e-03	0.0	0.0	-1376.67	16.62	6.36	0.0	-3.18	-8.31
		-8.31	-3.18	-2.98e-03	0.0	35.0	-1372.42	16.62	6.36	0.0	-0.95	-2.49
37	2	-5.94	-2.21	1.06e-03	0.0	0.0	-1368.41	39.59	14.71	0.0	-7.36	-19.80
		-19.80	-7.36	-2.93e-03	0.0	35.0	-1364.16	39.59	14.71	0.0	-2.21	-5.94
37	3	-7.28	-2.69	1.03e-03	0.0	0.0	-1320.23	48.56	17.96	0.0	-8.98	-24.28
		-24.28	-8.98	-2.85e-03	0.0	35.0	-1315.98	48.56	17.96	0.0	-2.69	-7.28
37	4	136.24	49.50	5.17e-04	0.0	0.0	-1324.27	-272.48	-98.99	0.0	49.50	136.24
		40.87	14.85	-1.33e-03	0.0	35.0	-1320.02	-272.48	-98.99	0.0	14.85	40.87
37	5	67.67	24.51	7.86e-04	0.0	0.0	-1569.85	-135.33	-49.01	0.0	24.51	67.67
		20.30	7.35	-2.12e-03	0.0	35.0	-1565.60	-135.33	-49.01	0.0	7.35	20.30
37	6	24.05	8.61	9.93e-04	0.0	0.0	-2174.64	-48.10	-17.22	0.0	8.61	24.05
		7.22	2.58	-2.74e-03	0.0	35.0	-2170.39	-48.10	-17.22	0.0	2.58	7.22
37	7	-1.11	-0.45	9.86e-04	0.0	0.0	-1307.06	7.41	2.98	0.0	-1.49	-3.70
		-3.70	-1.49	-2.71e-03	0.0	35.0	-1302.81	7.41	2.98	0.0	-0.45	-1.11
37	8	-5.80	-2.15	8.02e-04	0.0	0.0	-1002.68	38.68	14.31	0.0	-7.15	-19.34
		-19.34	-7.15	-2.21e-03	0.0	35.0	-999.53	38.68	14.31	0.0	-2.15	-5.80
37	9	-1.92	-0.73	7.50e-04	0.0	0.0	-981.83	12.78	4.87	0.0	-2.43	-6.39
		-6.39	-2.43	-2.07e-03	0.0	35.0	-978.68	12.78	4.87	0.0	-0.73	-1.92
37	10	-4.58	-1.70	7.22e-04	0.0	0.0	-950.48	30.52	11.31	0.0	-5.66	-15.26
		-15.26	-5.66	-2.00e-03	0.0	35.0	-947.33	30.52	11.31	0.0	-1.70	-4.58
37	11	11.59	4.12	7.01e-04	0.0	0.0	-1425.15	-23.18	-8.23	0.0	4.12	11.59
		3.48	1.23	-1.93e-03	0.0	35.0	-1422.00	-23.18	-8.23	0.0	1.23	3.48
38	1	0.0	0.0	4.63e-04	0.0	0.0	-1372.42	16.62	6.36	0.0	-0.95	-2.49
		-2.49	-0.95	-1.28e-03	0.0	15.0	-1372.42	16.62	6.36	0.0	0.0	0.0
38	2	0.0	0.0	4.55e-04	0.0	0.0	-1364.16	39.59	14.71	0.0	-2.21	-5.94
		-5.94	-2.21	-1.26e-03	0.0	15.0	-1364.16	39.59	14.71	0.0	0.0	0.0
38	3	0.0	0.0	4.41e-04	0.0	0.0	-1315.98	48.56	17.96	0.0	-2.69	-7.28
		-7.28	-2.69	-1.22e-03	0.0	15.0	-1315.98	48.56	17.96	0.0	0.0	0.0
38	4	40.87	14.85	2.27e-04	0.0	0.0	-1320.02	-272.48	-98.99	0.0	14.85	40.87
		0.0	0.0	-5.70e-04	0.0	15.0	-1320.02	-272.48	-98.99	0.0	0.0	0.0
38	5	20.30	7.35	3.40e-04	0.0	0.0	-1565.60	-135.33	-49.01	0.0	7.35	20.30
		0.0	0.0	-9.09e-04	0.0	15.0	-1565.60	-135.33	-49.01	0.0	0.0	0.0
38	6	7.22	2.58	4.27e-04	0.0	0.0	-2170.39	-48.10	-17.22	0.0	2.58	7.22
		0.0	0.0	-1.17e-03	0.0	15.0	-2170.39	-48.10	-17.22	0.0	0.0	0.0
38	7	0.0	0.0	4.22e-04	0.0	0.0	-1302.81	7.41	2.98	0.0	-0.45	-1.11
		-1.11	-0.45	-1.16e-03	0.0	15.0	-1302.81	7.41	2.98	0.0	0.0	0.0
38	8	0.0	0.0	3.43e-04	0.0	0.0	-999.53	38.68	14.30	0.0	-2.15	-5.80
		-5.80	-2.15	-9.47e-04	0.0	15.0	-999.53	38.68	14.30	0.0	0.0	0.0
38	9	0.0	0.0	3.21e-04	0.0	0.0	-978.68	12.78	4.86	0.0	-0.73	-1.92
		-1.92	-0.73	-8.86e-04	0.0	15.0	-978.68	12.78	4.86	0.0	0.0	0.0
38	10	0.0	0.0	3.09e-04	0.0	0.0	-947.33	30.52	11.31	0.0	-1.70	-4.58
		-4.58	-1.70	-8.55e-04	0.0	15.0	-947.33	30.52	11.31	0.0	0.0	0.0
38	11	3.48	1.23	3.01e-04	0.0	0.0	-1422.00	-23.18	-8.23	0.0	1.23	3.48
		0.0	0.0	-8.28e-04	0.0	15.0	-1422.00	-23.18	-8.23	0.0	0.0	0.0
39	1	7.54	2.61	9.82e-04	0.0	0.0	-1114.03	-15.08	-5.22	0.0	2.61	7.54
		2.26	0.78	-2.63e-03	0.0	35.0	-1109.78	-15.08	-5.22	0.0	0.78	2.26
39	2	3.61	1.18	9.78e-04	0.0	0.0	-1149.07	-7.21	-2.36	0.0	1.18	3.61
		1.08	0.35	-2.63e-03	0.0	35.0	-1144.82	-7.21	-2.36	0.0	0.35	1.08
39	3	-0.24	-0.13	1.00e-03	0.0	0.0	-1075.33	1.57	0.84	0.0	-0.42	-0.79
		-0.79	-0.42	-2.70e-03	0.0	35.0	-1071.08	1.57	0.84	0.0	-0.13	-0.24
39	4	116.35	42.11	1.65e-03	0.0	0.0	-1076.12	-232.69	-84.22	0.0	42.11	116.35
		34.90	12.63	-4.38e-03	0.0	35.0	-1071.86	-232.69	-84.22	0.0	12.63	34.90
39	5	83.59	30.18	1.70e-03	0.0	0.0	-1281.47	-167.19	-60.37	0.0	30.18	83.59
		25.08	9.06	-4.54e-03	0.0	35.0	-1277.22	-167.19	-60.37	0.0	9.06	25.08
39	6	142.61	51.66	1.69e-03	0.0	0.0	-1900.94	-285.23	-103.32	0.0	51.66	142.61
		42.78	15.50	-4.47e-03	0.0	35.0	-1896.69	-285.23	-103.32	0.0	15.50	42.78
39	7	6.18	2.11	1.00e-03	0.0	0.0	-1072.24	-12.35	-4.22	0.0	2.11	6.18
		1.85	0.63	-2.69e-03	0.0	35.0	-1067.98	-12.35	-4.22	0.0	0.63	1.85
39	8	-0.27	-0.13	7.68e-04	0.0	0.0	-813.50	1.77	0.85	0.0	-0.43	-0.89
		-0.89	-0.43	-2.06e-03	0.0	35.0	-810.35	1.77	0.85	0.0	-0.13	-0.27
39	9	4.88	1.68	7.03e-04	0.0	0.0	-799.93	-9.77	-3.36	0.0	1.68	4.88
		1.47	0.50	-1.89e-03	0.0	35.0	-796.78	-9.77	-3.36	0.0	0.50	1.47
39	10	0.26	-7.88e-04	7.14e-04	0.0	0.0	-778.43	-0.52	5.46e-03	0.0	-2.70e-03	0.26
		0.08	-2.70e-03	-1.92e-03	0.0	35.0	-775.28	-0.52	5.46e-03	0.0	-7.88e-04	0.08
39	11	79.92	28.93	1.10e-03	0.0	0.0	-1237.11	-159.85	-57.86	0.0	28.93	79.92
		23.98	8.68	-2.91e-03	0.0	35.0	-1233.96	-159.85	-57.86	0.0	8.68	23.98
40	1	-3.24	-1.16	-2.18e-03	0.0	0.0	-1910.30	21.58	7.73	0.0	-3.86	-10.79
		-10.79	-3.86	5.74e-03	0.0	35.0	-1906.05	21.58	7.73	0.0	-1.16	-3.24
40	2	-7.46	-2.70	-2.25e-03	0.0	0.0	-1970.01	49.74	17.97	0.0	-8.98	-24.87
		-24.87	-8.98	5.91e-03	0.0	35.0	-1965.76	49.74	17.97	0.0	-2.70	-7.46
40	3	-5.65	-2.04	-2.27e-03	0.0	0.0	-1750.17	37.67	13.57	0.0	-6.79	-18.83
		-18.83	-6.79	5.98e-03	0.0	35.0	-1745.92	37.67	13.57	0.0	-2.04	-5.65

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40	4	4.66	1.73	-1.25e-03	0.0	0.0	-1744.77	-9.32	-3.46	0.0	1.73	4.66
		1.40	0.52	3.22e-03	0.0	35.0	-1740.52	-9.32	-3.46	0.0	0.52	1.40
40	5	5.75	2.13	-1.25e-03	0.0	0.0	-1730.47	-11.51	-4.26	0.0	2.13	5.75
		1.73	0.64	3.23e-03	0.0	35.0	-1726.21	-11.51	-4.26	0.0	0.64	1.73
40	6	8.48	3.12	-1.26e-03	0.0	0.0	-1687.38	-16.97	-6.24	0.0	3.12	8.48
		2.55	0.94	3.27e-03	0.0	35.0	-1683.13	-16.97	-6.24	0.0	0.94	2.55
40	7	8.18	3.01	-1.27e-03	0.0	0.0	-1674.27	-16.36	-6.02	0.0	3.01	8.18
		2.45	0.90	3.29e-03	0.0	35.0	-1670.02	-16.36	-6.02	0.0	0.90	2.45
40	8	-4.97	-1.79	-1.84e-03	0.0	0.0	-1349.17	33.14	11.95	0.0	-5.98	-16.57
		-16.57	-5.98	4.85e-03	0.0	35.0	-1346.02	33.14	11.95	0.0	-1.79	-4.97
40	9	-1.47	-0.52	-1.40e-03	0.0	0.0	-1324.09	9.80	3.48	0.0	-1.74	-4.90
		-4.90	-1.74	3.69e-03	0.0	35.0	-1320.94	9.80	3.48	0.0	-0.52	-1.47
40	10	-2.81	-1.01	-1.45e-03	0.0	0.0	-1235.13	18.73	6.73	0.0	-3.37	-9.37
		-9.37	-3.37	3.82e-03	0.0	35.0	-1231.98	18.73	6.73	0.0	-1.01	-2.81
40	11	5.81	2.14	-8.91e-04	0.0	0.0	-1200.25	-11.62	-4.28	0.0	2.14	5.81
		1.74	0.64	2.31e-03	0.0	35.0	-1197.10	-11.62	-4.28	0.0	0.64	1.74
41	1	0.0	0.0	-9.36e-04	0.0	0.0	-1906.05	21.58	7.73	0.0	-1.16	-3.24
		-3.24	-1.16	2.46e-03	0.0	15.0	-1906.05	21.58	7.73	0.0	0.0	0.0
41	2	0.0	0.0	-9.63e-04	0.0	0.0	-1965.76	49.74	17.97	0.0	-2.70	-7.46
		-7.46	-2.70	2.53e-03	0.0	15.0	-1965.76	49.74	17.97	0.0	0.0	0.0
41	3	0.0	0.0	-9.72e-04	0.0	0.0	-1745.92	37.67	13.58	0.0	-2.04	-5.65
		-5.65	-2.04	2.56e-03	0.0	15.0	-1745.92	37.67	13.58	0.0	0.0	0.0
41	4	1.40	0.52	-5.34e-04	0.0	0.0	-1740.52	-9.32	-3.46	0.0	0.52	1.40
		0.0	0.0	1.38e-03	0.0	15.0	-1740.52	-9.32	-3.46	0.0	0.0	0.0
41	5	1.73	0.64	-5.35e-04	0.0	0.0	-1726.21	-11.51	-4.26	0.0	0.64	1.73
		0.0	0.0	1.38e-03	0.0	15.0	-1726.21	-11.51	-4.26	0.0	0.0	0.0
41	6	2.55	0.94	-5.41e-04	0.0	0.0	-1683.13	-16.97	-6.24	0.0	0.94	2.55
		0.0	0.0	1.40e-03	0.0	15.0	-1683.13	-16.97	-6.24	0.0	0.0	0.0
41	7	2.45	0.90	-5.44e-04	0.0	0.0	-1670.02	-16.36	-6.02	0.0	0.90	2.45
		0.0	0.0	1.41e-03	0.0	15.0	-1670.02	-16.36	-6.02	0.0	0.0	0.0
41	8	0.0	0.0	-7.91e-04	0.0	0.0	-1346.02	33.14	11.96	0.0	-1.79	-4.97
		-4.97	-1.79	2.08e-03	0.0	15.0	-1346.02	33.14	11.96	0.0	0.0	0.0
41	9	0.0	0.0	-6.01e-04	0.0	0.0	-1320.94	9.80	3.49	0.0	-0.52	-1.47
		-1.47	-0.52	1.58e-03	0.0	15.0	-1320.94	9.80	3.49	0.0	0.0	0.0
41	10	0.0	0.0	-6.21e-04	0.0	0.0	-1231.98	18.73	6.73	0.0	-1.01	-2.81
		-2.81	-1.01	1.64e-03	0.0	15.0	-1231.98	18.73	6.73	0.0	0.0	0.0
41	11	1.74	0.64	-3.82e-04	0.0	0.0	-1197.10	-11.62	-4.28	0.0	0.64	1.74
		0.0	0.0	9.91e-04	0.0	15.0	-1197.10	-11.62	-4.28	0.0	0.0	0.0
42	1	2.26	0.78	4.21e-04	0.0	0.0	-1109.78	-15.08	-5.22	0.0	0.78	2.26
		0.0	0.0	-1.13e-03	0.0	15.0	-1109.78	-15.08	-5.22	0.0	0.0	0.0
42	2	1.08	0.35	4.19e-04	0.0	0.0	-1144.82	-7.21	-2.36	0.0	0.35	1.08
		0.0	0.0	-1.13e-03	0.0	15.0	-1144.82	-7.21	-2.36	0.0	0.0	0.0
42	3	0.0	0.0	4.29e-04	0.0	0.0	-1071.08	1.57	0.84	0.0	-0.13	-0.24
		-0.24	-0.13	-1.16e-03	0.0	15.0	-1071.08	1.57	0.84	0.0	0.0	0.0
42	4	34.90	12.63	7.13e-04	0.0	0.0	-1071.86	-232.69	-84.22	0.0	12.63	34.90
		0.0	0.0	-1.88e-03	0.0	15.0	-1071.86	-232.69	-84.22	0.0	0.0	0.0
42	5	25.08	9.06	7.33e-04	0.0	0.0	-1277.22	-167.19	-60.37	0.0	9.06	25.08
		0.0	0.0	-1.94e-03	0.0	15.0	-1277.22	-167.19	-60.37	0.0	0.0	0.0
42	6	42.78	15.50	7.32e-04	0.0	0.0	-1896.69	-285.23	-103.32	0.0	15.50	42.78
		0.0	0.0	-1.91e-03	0.0	15.0	-1896.69	-285.23	-103.32	0.0	0.0	0.0
42	7	1.85	0.63	4.30e-04	0.0	0.0	-1067.98	-12.35	-4.22	0.0	0.63	1.85
		0.0	0.0	-1.15e-03	0.0	15.0	-1067.98	-12.35	-4.22	0.0	0.0	0.0
42	8	0.0	0.0	3.29e-04	0.0	0.0	-810.35	1.77	0.85	0.0	-0.13	-0.27
		-0.27	-0.13	-8.85e-04	0.0	15.0	-810.35	1.77	0.85	0.0	0.0	0.0
42	9	1.47	0.50	3.02e-04	0.0	0.0	-796.78	-9.77	-3.36	0.0	0.50	1.47
		0.0	0.0	-8.09e-04	0.0	15.0	-796.78	-9.77	-3.36	0.0	0.0	0.0
42	10	0.08	0.0	3.06e-04	0.0	0.0	-775.28	-0.52	4.88e-03	0.0	-7.62e-04	0.08
		0.0	-7.62e-04	-8.24e-04	0.0	15.0	-775.28	-0.52	4.88e-03	0.0	0.0	0.0
42	11	23.98	8.68	4.74e-04	0.0	0.0	-1233.96	-159.85	-57.86	0.0	8.68	23.98
		0.0	0.0	-1.25e-03	0.0	15.0	-1233.96	-159.85	-57.86	0.0	0.0	0.0
43	1	0.0	28.11	-7.24e-06	0.0	0.0	-1664.39	0.0	-56.21	0.0	28.11	0.0
		0.0	8.43	1.78e-05	0.0	35.0	-1660.14	0.0	-56.21	0.0	8.43	0.0
43	2	0.0	35.10	-2.01e-06	0.0	0.0	-1992.30	0.0	-70.19	0.0	35.10	0.0
		0.0	10.53	2.14e-05	0.0	35.0	-1988.05	0.0	-70.19	0.0	10.53	0.0
43	3	0.0	24.86	-1.47e-05	0.0	0.0	-2429.83	0.0	-49.71	0.0	24.86	0.0
		0.0	7.46	2.13e-05	0.0	35.0	-2425.58	0.0	-49.71	0.0	7.46	0.0
43	4	0.0	39.82	-2.05e-05	0.0	0.0	-1693.63	0.0	-79.63	0.0	39.82	0.0
		0.0	11.95	-1.52e-05	0.0	35.0	-1689.38	0.0	-79.63	0.0	11.95	0.0
43	5	0.0	24.83	-1.36e-05	0.0	0.0	-1713.52	0.0	-49.66	0.0	24.83	0.0
		0.0	7.45	1.71e-05	0.0	35.0	-1709.27	0.0	-49.66	0.0	7.45	0.0
43	6	0.0	20.46	-6.12e-06	0.0	0.0	-1662.48	0.0	-40.91	0.0	20.46	0.0
		0.0	6.14	1.80e-05	0.0	35.0	-1658.22	0.0	-40.91	0.0	6.14	0.0

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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43	7	0.0	22.67	-6.63e-06	0.0	0.0	-1638.89	0.0	-45.35	0.0	22.67	0.0
		0.0	6.80	1.66e-05	0.0	35.0	-1634.64	0.0	-45.35	0.0	6.80	0.0
43	8	0.0	18.99	-1.31e-05	0.0	0.0	-1930.29	0.0	-37.99	0.0	18.99	0.0
		0.0	5.70	1.68e-05	0.0	35.0	-1927.14	0.0	-37.99	0.0	5.70	0.0
43	9	0.0	19.46	-5.06e-06	0.0	0.0	-1182.84	0.0	-38.91	0.0	19.46	0.0
		0.0	5.84	1.24e-05	0.0	35.0	-1179.69	0.0	-38.91	0.0	5.84	0.0
43	10	0.0	17.65	-7.12e-06	0.0	0.0	-1608.08	0.0	-35.30	0.0	17.65	0.0
		0.0	5.30	1.43e-05	0.0	35.0	-1604.93	0.0	-35.30	0.0	5.30	0.0
43	11	0.0	15.21	-4.44e-06	0.0	0.0	-1181.77	0.0	-30.41	0.0	15.21	0.0
		0.0	4.56	1.25e-05	0.0	35.0	-1178.62	0.0	-30.41	0.0	4.56	0.0
44	1	0.0	8.43	-3.94e-03	0.0	0.0	-1660.14	0.0	-56.17	0.0	8.43	0.0
		0.0	0.0	8.78e-06	0.0	15.0	-1660.14	0.0	-56.17	0.0	0.0	0.0
44	2	0.0	10.52	-3.14e-03	0.0	0.0	-1988.05	0.0	-70.16	0.0	10.52	0.0
		0.0	0.0	1.06e-05	0.0	15.0	-1988.05	0.0	-70.16	0.0	0.0	0.0
44	3	0.0	7.45	-4.15e-03	0.0	0.0	-2425.58	0.0	-49.67	0.0	7.45	0.0
		0.0	0.0	1.01e-05	0.0	15.0	-2425.58	0.0	-49.67	0.0	0.0	0.0
44	4	0.0	11.94	-9.80e-04	0.0	0.0	-1689.38	0.0	-79.62	0.0	11.94	0.0
		0.0	0.0	-8.17e-06	0.0	15.0	-1689.38	0.0	-79.62	0.0	0.0	0.0
44	5	0.0	7.45	-1.03e-03	0.0	0.0	-1709.27	0.0	-49.65	0.0	7.45	0.0
		0.0	0.0	8.34e-06	0.0	15.0	-1709.27	0.0	-49.65	0.0	0.0	0.0
44	6	0.0	6.13	-1.17e-03	0.0	0.0	-1658.22	0.0	-40.90	0.0	6.13	0.0
		0.0	0.0	8.54e-06	0.0	15.0	-1658.22	0.0	-40.90	0.0	0.0	0.0
44	7	0.0	6.80	-1.28e-03	0.0	0.0	-1634.64	0.0	-45.33	0.0	6.80	0.0
		0.0	0.0	8.04e-06	0.0	15.0	-1634.64	0.0	-45.33	0.0	0.0	0.0
44	8	0.0	5.69	-3.89e-03	0.0	0.0	-1927.14	0.0	-37.95	0.0	5.69	0.0
		0.0	0.0	7.98e-06	0.0	15.0	-1927.14	0.0	-37.95	0.0	0.0	0.0
44	9	0.0	5.83	-2.18e-03	0.0	0.0	-1179.69	0.0	-38.89	0.0	5.83	0.0
		0.0	0.0	6.12e-06	0.0	15.0	-1179.69	0.0	-38.89	0.0	0.0	0.0
44	10	0.0	5.29	-2.30e-03	0.0	0.0	-1604.93	0.0	-35.28	0.0	5.29	0.0
		0.0	0.0	6.87e-06	0.0	15.0	-1604.93	0.0	-35.28	0.0	0.0	0.0
44	11	0.0	4.56	-6.45e-04	0.0	0.0	-1178.62	0.0	-30.41	0.0	4.56	0.0
		0.0	0.0	5.98e-06	0.0	15.0	-1178.62	0.0	-30.41	0.0	0.0	0.0
45	1	-0.10	0.0	-1.30e-03	0.0	0.0	-2572.20	0.67	0.0	0.0	0.0	-0.34
		-0.34	0.0	3.43e-03	0.0	35.0	-2567.95	0.67	0.0	0.0	0.0	-0.10
45	2	-0.08	0.0	-1.06e-03	0.0	0.0	-2076.41	0.55	0.0	0.0	0.0	-0.28
		-0.28	0.0	2.77e-03	0.0	35.0	-2072.16	0.55	0.0	0.0	0.0	-0.08
45	3	-0.05	0.0	-6.33e-04	0.0	0.0	-2067.88	0.34	0.0	0.0	0.0	-0.17
		-0.17	0.0	1.57e-03	0.0	35.0	-2063.63	0.34	0.0	0.0	0.0	-0.05
45	4	-0.10	0.0	-1.28e-03	0.0	0.0	-2068.87	0.65	0.0	0.0	0.0	-0.32
		-0.32	0.0	3.36e-03	0.0	35.0	-2064.62	0.65	0.0	0.0	0.0	-0.10
45	5	-0.10	0.0	-1.32e-03	0.0	0.0	-2075.81	0.67	0.0	0.0	0.0	-0.34
		-0.34	0.0	3.47e-03	0.0	35.0	-2071.55	0.67	0.0	0.0	0.0	-0.10
45	6	-0.10	0.0	-1.36e-03	0.0	0.0	-2128.32	0.69	0.0	0.0	0.0	-0.35
		-0.35	0.0	3.59e-03	0.0	35.0	-2124.06	0.69	0.0	0.0	0.0	-0.10
45	7	-0.10	0.0	-1.30e-03	0.0	0.0	-2071.13	0.66	0.0	0.0	0.0	-0.33
		-0.33	0.0	3.40e-03	0.0	35.0	-2066.88	0.66	0.0	0.0	0.0	-0.10
45	8	-0.04	0.0	-4.61e-04	0.0	0.0	-1605.45	0.25	0.0	0.0	0.0	-0.12
		-0.12	0.0	1.12e-03	0.0	35.0	-1602.30	0.25	0.0	0.0	0.0	-0.04
45	9	-0.07	0.0	-9.04e-04	0.0	0.0	-1733.16	0.47	0.0	0.0	0.0	-0.23
		-0.23	0.0	2.39e-03	0.0	35.0	-1730.01	0.47	0.0	0.0	0.0	-0.07
45	10	-0.04	0.0	-5.35e-04	0.0	0.0	-1452.99	0.28	0.0	0.0	0.0	-0.14
		-0.14	0.0	1.36e-03	0.0	35.0	-1449.84	0.28	0.0	0.0	0.0	-0.04
45	11	-0.07	0.0	-9.41e-04	0.0	0.0	-1486.56	0.48	0.0	0.0	0.0	-0.24
		-0.24	0.0	2.48e-03	0.0	35.0	-1483.41	0.48	0.0	0.0	0.0	-0.07
46	1	0.0	48.22	-3.54e-05	0.0	0.0	-1596.03	0.0	-96.43	0.0	48.22	0.0
		0.0	14.46	-6.87e-06	0.0	35.0	-1591.78	0.0	-96.43	0.0	14.46	0.0
46	2	0.0	48.42	-2.88e-05	0.0	0.0	-1639.69	0.0	-96.84	0.0	48.42	0.0
		0.0	14.53	-7.16e-06	0.0	35.0	-1635.43	0.0	-96.84	0.0	14.53	0.0
46	3	0.0	51.64	-1.89e-05	0.0	0.0	-1649.11	0.0	-103.28	0.0	51.64	0.0
		0.0	15.49	-6.60e-06	0.0	35.0	-1644.86	0.0	-103.28	0.0	15.49	0.0
46	4	0.0	53.27	-5.01e-05	0.0	0.0	-2289.38	0.0	-106.54	0.0	53.27	0.0
		0.0	15.98	-3.39e-06	0.0	35.0	-2285.12	0.0	-106.54	0.0	15.98	0.0
46	5	0.0	49.32	-4.23e-05	0.0	0.0	-1884.46	0.0	-98.63	0.0	49.32	0.0
		0.0	14.80	-4.37e-06	0.0	35.0	-1880.21	0.0	-98.63	0.0	14.80	0.0
46	6	0.0	47.14	-3.28e-05	0.0	0.0	-1599.35	0.0	-94.29	0.0	47.14	0.0
		0.0	14.14	-7.36e-06	0.0	35.0	-1595.10	0.0	-94.29	0.0	14.14	0.0
46	7	0.0	38.26	-3.30e-05	0.0	0.0	-1588.45	0.0	-76.51	0.0	38.26	0.0
		0.0	11.48	-4.36e-06	0.0	35.0	-1584.20	0.0	-76.51	0.0	11.48	0.0
46	8	0.0	41.12	-1.32e-05	0.0	0.0	-1270.64	0.0	-82.25	0.0	41.12	0.0
		0.0	12.34	-5.46e-06	0.0	35.0	-1267.49	0.0	-82.25	0.0	12.34	0.0
46	9	0.0	32.43	-2.49e-05	0.0	0.0	-1135.72	0.0	-64.87	0.0	32.43	0.0
		0.0	9.73	-4.28e-06	0.0	35.0	-1132.57	0.0	-64.87	0.0	9.73	0.0

46	10	0.0	34.34	-1.57e-05	0.0	0.0	-1165.21	0.0	-68.68	0.0	34.34	0.0
		0.0	10.30	-4.13e-06	0.0	35.0	-1162.06	0.0	-68.68	0.0	10.30	0.0
46	11	0.0	31.84	-2.35e-05	0.0	0.0	-1137.56	0.0	-63.68	0.0	31.84	0.0
		0.0	9.55	-4.55e-06	0.0	35.0	-1134.41	0.0	-63.68	0.0	9.55	0.0
47	1	0.0	14.44	-8.57e-04	0.0	0.0	-1591.78	0.0	-96.25	0.0	14.44	0.0
		0.0	0.0	-4.95e-06	0.0	15.0	-1591.78	0.0	-96.25	0.0	0.0	0.0
47	2	0.0	14.49	-1.00e-03	0.0	0.0	-1635.43	0.0	-96.62	0.0	14.49	0.0
		0.0	0.0	-5.08e-06	0.0	15.0	-1635.43	0.0	-96.62	0.0	0.0	0.0
47	3	0.0	15.45	-1.22e-03	0.0	0.0	-1644.86	0.0	-103.02	0.0	15.45	0.0
		0.0	0.0	-4.97e-06	0.0	15.0	-1644.86	0.0	-103.02	0.0	0.0	0.0
47	4	0.0	15.90	-2.60e-03	0.0	0.0	-2285.12	0.0	-105.98	0.0	15.90	0.0
		0.0	0.0	0.0	0.0	15.0	-2285.12	0.0	-105.98	0.0	0.0	0.0
47	5	0.0	14.71	-2.77e-03	0.0	0.0	-1880.21	0.0	-98.03	0.0	14.71	0.0
		0.0	0.0	-3.83e-06	0.0	15.0	-1880.21	0.0	-98.03	0.0	0.0	0.0
47	6	0.0	14.09	-1.62e-03	0.0	0.0	-1595.10	0.0	-93.94	0.0	14.09	0.0
		0.0	0.0	-5.11e-06	0.0	15.0	-1595.10	0.0	-93.94	0.0	0.0	0.0
47	7	0.0	11.44	-1.04e-03	0.0	0.0	-1584.20	0.0	-76.29	0.0	11.44	0.0
		0.0	0.0	-3.45e-06	0.0	15.0	-1584.20	0.0	-76.29	0.0	0.0	0.0
47	8	0.0	12.31	-8.34e-04	0.0	0.0	-1267.49	0.0	-82.07	0.0	12.31	0.0
		0.0	0.0	-4.05e-06	0.0	15.0	-1267.49	0.0	-82.07	0.0	0.0	0.0
47	9	0.0	9.71	-6.96e-04	0.0	0.0	-1132.57	0.0	-64.72	0.0	9.71	0.0
		0.0	0.0	-3.18e-06	0.0	15.0	-1132.57	0.0	-64.72	0.0	0.0	0.0
47	10	0.0	10.27	-8.99e-04	0.0	0.0	-1162.06	0.0	-68.48	0.0	10.27	0.0
		0.0	0.0	-3.20e-06	0.0	15.0	-1162.06	0.0	-68.48	0.0	0.0	0.0
47	11	0.0	9.52	-1.12e-03	0.0	0.0	-1134.41	0.0	-63.44	0.0	9.52	0.0
		0.0	0.0	-3.27e-06	0.0	15.0	-1134.41	0.0	-63.44	0.0	0.0	0.0
48	1	0.0	0.0	-5.56e-04	0.0	0.0	-2567.95	4.41	0.0	0.0	0.0	-0.66
		-0.66	0.0	1.31e-03	0.0	15.0	-2567.95	4.41	0.0	0.0	0.0	0.0
48	2	0.0	0.0	-4.56e-04	0.0	0.0	-2072.16	38.47	0.0	0.0	0.0	-5.77
		-5.77	0.0	4.88e-04	0.0	15.0	-2072.16	38.47	0.0	0.0	0.0	0.0
48	3	0.0	0.0	-2.71e-04	0.0	0.0	-2063.63	103.92	0.0	0.0	0.0	-15.59
		-15.59	0.0	-3.91e-03	0.0	15.0	-2063.63	103.92	0.0	0.0	0.0	0.0
48	4	2.13	0.0	-5.48e-04	0.0	0.0	-2064.62	-14.21	0.0	0.0	0.0	2.13
		0.0	0.0	2.10e-03	0.0	15.0	-2064.62	-14.21	0.0	0.0	0.0	0.0
48	5	2.18	0.0	-5.66e-04	0.0	0.0	-2071.55	-14.50	0.0	0.0	0.0	2.18
		0.0	0.0	2.16e-03	0.0	15.0	-2071.55	-14.50	0.0	0.0	0.0	0.0
48	6	1.72	0.0	-5.84e-04	0.0	0.0	-2124.06	-11.44	0.0	0.0	0.0	1.72
		0.0	0.0	2.07e-03	0.0	15.0	-2124.06	-11.44	0.0	0.0	0.0	0.0
48	7	1.72	0.0	-5.56e-04	0.0	0.0	-2066.88	-11.44	0.0	0.0	0.0	1.72
		0.0	0.0	1.99e-03	0.0	15.0	-2066.88	-11.44	0.0	0.0	0.0	0.0
48	8	0.0	0.0	-1.98e-04	0.0	0.0	-1602.30	90.12	0.0	0.0	0.0	-13.52
		-13.52	0.0	-3.50e-03	0.0	15.0	-1602.30	90.12	0.0	0.0	0.0	0.0
48	9	0.0	0.0	-3.87e-04	0.0	0.0	-1730.01	0.08	0.0	0.0	0.0	-0.01
		-0.01	0.0	1.04e-03	0.0	15.0	-1730.01	0.08	0.0	0.0	0.0	0.0
48	10	0.0	0.0	-2.29e-04	0.0	0.0	-1449.84	55.37	0.0	0.0	0.0	-8.31
		-8.31	0.0	1.85e-03	0.0	15.0	-1449.84	55.37	0.0	0.0	0.0	0.0
48	11	1.31	0.0	-4.03e-04	0.0	0.0	-1483.41	-8.72	0.0	0.0	0.0	1.31
		0.0	0.0	1.47e-03	0.0	15.0	-1483.41	-8.72	0.0	0.0	0.0	0.0
49	1	7.13	2.45	1.05e-03	0.0	0.0	-1572.09	-14.25	-4.90	0.0	2.45	7.13
		2.14	0.73	-2.85e-03	0.0	35.0	-1567.83	-14.25	-4.90	0.0	0.73	2.14
49	2	12.37	4.36	1.03e-03	0.0	0.0	-1617.91	-24.74	-8.72	0.0	4.36	12.37
		3.71	1.31	-2.81e-03	0.0	35.0	-1613.65	-24.74	-8.72	0.0	1.31	3.71
49	3	9.57	3.35	1.00e-03	0.0	0.0	-1604.65	-19.14	-6.69	0.0	3.35	9.57
		2.87	1.00	-2.73e-03	0.0	35.0	-1600.40	-19.14	-6.69	0.0	1.00	2.87
49	4	3.33	1.15	4.47e-04	0.0	0.0	-1597.79	-6.66	-2.30	0.0	1.15	3.33
		1.00	0.35	-1.22e-03	0.0	35.0	-1593.54	-6.66	-2.30	0.0	0.35	1.00
49	5	29.39	10.59	7.34e-04	0.0	0.0	-1897.55	-58.78	-21.18	0.0	10.59	29.39
		8.82	3.18	-2.00e-03	0.0	35.0	-1893.30	-58.78	-21.18	0.0	3.18	8.82
49	6	-0.90	-0.37	9.47e-04	0.0	0.0	-1785.20	5.97	2.44	0.0	-1.22	-2.99
		-2.99	-1.22	-2.61e-03	0.0	35.0	-1780.95	5.97	2.44	0.0	-0.37	-0.90
49	7	8.14	2.83	9.50e-04	0.0	0.0	-1550.11	-16.27	-5.66	0.0	2.83	8.14
		2.44	0.85	-2.59e-03	0.0	35.0	-1545.86	-16.27	-5.66	0.0	0.85	2.44
49	8	6.77	2.36	7.78e-04	0.0	0.0	-1234.62	-13.54	-4.71	0.0	2.36	6.77
		2.03	0.71	-2.12e-03	0.0	35.0	-1231.47	-13.54	-4.71	0.0	0.71	2.03
49	9	5.98	2.08	7.25e-04	0.0	0.0	-1117.95	-11.96	-4.15	0.0	2.08	5.98
		1.79	0.62	-1.98e-03	0.0	35.0	-1114.80	-11.96	-4.15	0.0	0.62	1.79
49	10	7.34	2.57	7.00e-04	0.0	0.0	-1136.04	-14.68	-5.15	0.0	2.57	7.34
		2.20	0.77	-1.91e-03	0.0	35.0	-1132.89	-14.68	-5.15	0.0	0.77	2.20
49	11	0.36	0.04	6.71e-04	0.0	0.0	-1236.35	-0.72	-0.08	0.0	0.04	0.36
		0.11	0.01	-1.85e-03	0.0	35.0	-1233.20	-0.72	-0.08	0.0	0.01	0.11
50	1	2.14	0.73	4.48e-04	0.0	0.0	-1567.83	-14.25	-4.90	0.0	0.73	2.14
		0.0	0.0	-1.22e-03	0.0	15.0	-1567.83	-14.25	-4.90	0.0	0.0	0.0

50	2	3.71	1.31	4.43e-04	0.0	0.0	-1613.65	-24.74	-8.72	0.0	1.31	3.71
		0.0	0.0	-1.20e-03	0.0	15.0	-1613.65	-24.74	-8.72	0.0	0.0	0.0
50	3	2.87	1.00	4.29e-04	0.0	0.0	-1600.40	-19.14	-6.69	0.0	1.00	2.87
		0.0	0.0	-1.17e-03	0.0	15.0	-1600.40	-19.14	-6.69	0.0	0.0	0.0
50	4	1.00	0.34	1.92e-04	0.0	0.0	-1593.54	-6.66	-2.30	0.0	0.34	1.00
		0.0	0.0	-5.24e-04	0.0	15.0	-1593.54	-6.66	-2.30	0.0	0.0	0.0
50	5	8.82	3.18	3.16e-04	0.0	0.0	-1893.30	-58.78	-21.18	0.0	3.18	8.82
		0.0	0.0	-8.56e-04	0.0	15.0	-1893.30	-58.78	-21.18	0.0	0.0	0.0
50	6	0.0	0.0	4.06e-04	0.0	0.0	-1780.95	5.97	2.44	0.0	-0.37	-0.90
		-0.90	-0.37	-1.12e-03	0.0	15.0	-1780.95	5.97	2.44	0.0	0.0	0.0
50	7	2.44	0.85	4.08e-04	0.0	0.0	-1545.86	-16.27	-5.66	0.0	0.85	2.44
		0.0	0.0	-1.11e-03	0.0	15.0	-1545.86	-16.27	-5.66	0.0	0.0	0.0
50	8	2.03	0.71	3.34e-04	0.0	0.0	-1231.47	-13.54	-4.71	0.0	0.71	2.03
		0.0	0.0	-9.07e-04	0.0	15.0	-1231.47	-13.54	-4.71	0.0	0.0	0.0
50	9	1.79	0.62	3.11e-04	0.0	0.0	-1114.80	-11.96	-4.15	0.0	0.62	1.79
		0.0	0.0	-8.48e-04	0.0	15.0	-1114.80	-11.96	-4.15	0.0	0.0	0.0
50	10	2.20	0.77	3.00e-04	0.0	0.0	-1132.89	-14.68	-5.15	0.0	0.77	2.20
		0.0	0.0	-8.18e-04	0.0	15.0	-1132.89	-14.68	-5.15	0.0	0.0	0.0
50	11	0.11	0.01	2.87e-04	0.0	0.0	-1233.20	-0.72	-0.08	0.0	0.01	0.11
		0.0	0.0	-7.91e-04	0.0	15.0	-1233.20	-0.72	-0.08	0.0	0.0	0.0
51	1	0.0	0.0	1.00e-04	0.0	0.0	-2819.28	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.63e-05	0.0	35.0	-2815.02	0.0	0.0	0.0	0.0	0.0
51	2	0.0	0.0	1.05e-04	0.0	0.0	-2767.37	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.22e-05	0.0	35.0	-2763.12	0.0	0.0	0.0	0.0	0.0
51	3	0.0	0.0	9.66e-05	0.0	0.0	-2699.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.95e-05	0.0	35.0	-2695.14	0.0	0.0	0.0	0.0	0.0
51	4	0.0	0.0	9.02e-05	0.0	0.0	-2702.15	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.10e-05	0.0	35.0	-2697.90	0.0	0.0	0.0	0.0	0.0
51	5	0.0	0.0	9.52e-05	0.0	0.0	-2725.03	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.23e-05	0.0	35.0	-2720.78	0.0	0.0	0.0	0.0	0.0
51	6	0.0	0.0	1.01e-04	0.0	0.0	-2820.48	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.58e-05	0.0	35.0	-2816.23	0.0	0.0	0.0	0.0	0.0
51	7	0.0	0.0	9.70e-05	0.0	0.0	-2707.35	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.28e-05	0.0	35.0	-2703.10	0.0	0.0	0.0	0.0	0.0
51	8	0.0	0.0	7.44e-05	0.0	0.0	-2091.85	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.58e-05	0.0	35.0	-2088.70	0.0	0.0	0.0	0.0	0.0
51	9	0.0	0.0	7.06e-05	0.0	0.0	-1968.27	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.62e-05	0.0	35.0	-1965.12	0.0	0.0	0.0	0.0	0.0
51	10	0.0	0.0	6.85e-05	0.0	0.0	-1901.67	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.24e-05	0.0	35.0	-1898.52	0.0	0.0	0.0	0.0	0.0
51	11	0.0	0.0	7.10e-05	0.0	0.0	-1968.94	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.59e-05	0.0	35.0	-1965.79	0.0	0.0	0.0	0.0	0.0
52	1	15.33	5.64	-2.20e-03	0.0	0.0	-1674.34	-30.67	-11.29	0.0	5.64	15.33
		4.60	1.69	5.83e-03	0.0	35.0	-1670.08	-30.67	-11.29	0.0	1.69	4.60
52	2	15.95	5.87	-2.26e-03	0.0	0.0	-1755.71	-31.90	-11.74	0.0	5.87	15.95
		4.79	1.76	6.00e-03	0.0	35.0	-1751.46	-31.90	-11.74	0.0	1.76	4.79
52	3	25.92	9.50	-2.27e-03	0.0	0.0	-1652.52	-51.85	-19.00	0.0	9.50	25.92
		7.78	2.85	6.06e-03	0.0	35.0	-1648.27	-51.85	-19.00	0.0	2.85	7.78
52	4	-22.73	-8.26	-1.29e-03	0.0	0.0	-1654.88	151.55	55.06	0.0	-27.53	-75.77
		-75.77	-27.53	3.29e-03	0.0	35.0	-1650.63	151.55	55.06	0.0	-8.26	-22.73
52	5	-20.64	-7.50	-1.29e-03	0.0	0.0	-1604.92	137.62	49.99	0.0	-25.00	-68.81
		-68.81	-25.00	3.30e-03	0.0	35.0	-1600.67	137.62	49.99	0.0	-7.50	-20.64
52	6	-19.46	-7.07	-1.31e-03	0.0	0.0	-1591.33	129.72	47.12	0.0	-23.56	-64.86
		-64.86	-23.56	3.34e-03	0.0	35.0	-1587.07	129.72	47.12	0.0	-7.07	-19.46
52	7	-20.37	-7.40	-1.31e-03	0.0	0.0	-1590.08	135.82	49.34	0.0	-24.67	-67.91
		-67.91	-24.67	3.36e-03	0.0	35.0	-1585.83	135.82	49.34	0.0	-7.40	-20.37
52	8	27.83	10.18	-1.85e-03	0.0	0.0	-1268.58	-55.65	-20.36	0.0	10.18	27.83
		8.35	3.05	4.92e-03	0.0	35.0	-1265.43	-55.65	-20.36	0.0	3.05	8.35
52	9	-0.70	-0.24	-1.42e-03	0.0	0.0	-1184.66	4.70	1.63	0.0	-0.81	-2.35
		-2.35	-0.81	3.75e-03	0.0	35.0	-1181.51	4.70	1.63	0.0	-0.24	-0.70
52	10	3.53	1.33	-1.46e-03	0.0	0.0	-1172.54	-7.07	-2.66	0.0	1.33	3.53
		1.06	0.40	3.87e-03	0.0	35.0	-1169.39	-7.07	-2.66	0.0	0.40	1.06
52	11	-14.07	-5.11	-9.21e-04	0.0	0.0	-1138.54	93.80	34.07	0.0	-17.04	-46.90
		-46.90	-17.04	2.36e-03	0.0	35.0	-1135.39	93.80	34.07	0.0	-5.11	-14.07
53	1	4.60	1.69	-9.41e-04	0.0	0.0	-1670.08	-30.67	-11.29	0.0	1.69	4.60
		0.0	0.0	2.50e-03	0.0	15.0	-1670.08	-30.67	-11.29	0.0	0.0	0.0
53	2	4.79	1.76	-9.67e-04	0.0	0.0	-1751.46	-31.90	-11.74	0.0	1.76	4.79
		0.0	0.0	2.57e-03	0.0	15.0	-1751.46	-31.90	-11.74	0.0	0.0	0.0
53	3	7.78	2.85	-9.73e-04	0.0	0.0	-1648.27	-51.85	-19.00	0.0	2.85	7.78
		0.0	0.0	2.60e-03	0.0	15.0	-1648.27	-51.85	-19.00	0.0	0.0	0.0
53	4	0.0	0.0	-5.57e-04	0.0	0.0	-1650.63	151.55	55.06	0.0	-8.26	-22.73
		-22.73	-8.26	1.41e-03	0.0	15.0	-1650.63	151.55	55.06	0.0	0.0	0.0

53	5	0.0	0.0	-5.57e-04	0.0	0.0	-1600.67	137.62	50.00	0.0	-7.50	-20.64
		-20.64	-7.50	1.41e-03	0.0	15.0	-1600.67	137.62	50.00	0.0	0.0	0.0
53	6	0.0	0.0	-5.62e-04	0.0	0.0	-1587.07	129.71	47.12	0.0	-7.07	-19.46
		-19.46	-7.07	1.43e-03	0.0	15.0	-1587.07	129.71	47.12	0.0	0.0	0.0
53	7	0.0	0.0	-5.66e-04	0.0	0.0	-1585.83	135.81	49.34	0.0	-7.40	-20.37
		-20.37	-7.40	1.44e-03	0.0	15.0	-1585.83	135.81	49.34	0.0	0.0	0.0
53	8	8.35	3.05	-7.90e-04	0.0	0.0	-1265.43	-55.65	-20.36	0.0	3.05	8.35
		0.0	0.0	2.11e-03	0.0	15.0	-1265.43	-55.65	-20.36	0.0	0.0	0.0
53	9	0.0	0.0	-6.07e-04	0.0	0.0	-1181.51	4.70	1.63	0.0	-0.24	-0.70
		-0.70	-0.24	1.61e-03	0.0	15.0	-1181.51	4.70	1.63	0.0	0.0	0.0
53	10	1.06	0.40	-6.25e-04	0.0	0.0	-1169.39	-7.07	-2.66	0.0	0.40	1.06
		0.0	0.0	1.66e-03	0.0	15.0	-1169.39	-7.07	-2.66	0.0	0.0	0.0
53	11	0.0	0.0	-3.97e-04	0.0	0.0	-1135.39	93.80	34.07	0.0	-5.11	-14.07
		-14.07	-5.11	1.01e-03	0.0	15.0	-1135.39	93.80	34.07	0.0	0.0	0.0
54	1	0.0	0.0	1.53e-03	0.0	0.0	-2815.02	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.91e-04	0.0	15.0	-2815.02	0.0	0.0	0.0	0.0	0.0
54	2	0.0	0.0	2.14e-04	0.0	0.0	-2763.12	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.56e-05	0.0	15.0	-2763.12	0.0	0.0	0.0	0.0	0.0
54	3	0.0	0.0	5.58e-04	0.0	0.0	-2695.14	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.58e-04	0.0	15.0	-2695.14	0.0	0.0	0.0	0.0	0.0
54	4	0.0	0.0	-2.17e-03	0.0	0.0	-2697.90	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.99e-04	0.0	15.0	-2697.90	0.0	0.0	0.0	0.0	0.0
54	5	0.0	0.0	-2.29e-03	0.0	0.0	-2720.78	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.33e-04	0.0	15.0	-2720.78	0.0	0.0	0.0	0.0	0.0
54	6	0.0	0.0	-2.35e-03	0.0	0.0	-2816.23	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.60e-04	0.0	15.0	-2816.23	0.0	0.0	0.0	0.0	0.0
54	7	0.0	0.0	-2.36e-03	0.0	0.0	-2703.10	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.26e-04	0.0	15.0	-2703.10	0.0	0.0	0.0	0.0	0.0
54	8	0.0	0.0	2.33e-04	0.0	0.0	-2088.70	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.04e-04	0.0	15.0	-2088.70	0.0	0.0	0.0	0.0	0.0
54	9	0.0	0.0	1.02e-03	0.0	0.0	-1965.12	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.36e-04	0.0	15.0	-1965.12	0.0	0.0	0.0	0.0	0.0
54	10	0.0	0.0	1.40e-04	0.0	0.0	-1898.52	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.24e-04	0.0	15.0	-1898.52	0.0	0.0	0.0	0.0	0.0
54	11	0.0	0.0	-1.48e-03	0.0	0.0	-1965.79	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.75e-04	0.0	15.0	-1965.79	0.0	0.0	0.0	0.0	0.0
55	1	0.0	395.08	-9.39e-06	0.0	0.0	-1354.37	0.0	-790.15	0.0	395.08	0.0
		0.0	118.52	7.47e-05	0.0	35.0	-1350.12	0.0	-790.15	0.0	118.52	0.0
55	2	0.0	429.98	-1.78e-05	0.0	0.0	-1623.27	0.0	-859.96	0.0	429.98	0.0
		0.0	128.99	8.39e-05	0.0	35.0	-1619.02	0.0	-859.96	0.0	128.99	0.0
55	3	0.0	413.00	-2.97e-05	0.0	0.0	-2070.32	0.0	-826.00	0.0	413.00	0.0
		0.0	123.90	8.45e-05	0.0	35.0	-2066.07	0.0	-826.00	0.0	123.90	0.0
55	4	0.0	206.01	-1.09e-05	0.0	0.0	-1432.97	0.0	-412.03	0.0	206.01	0.0
		0.0	61.80	3.93e-05	0.0	35.0	-1428.71	0.0	-412.03	0.0	61.80	0.0
55	5	0.0	190.12	-1.42e-06	0.0	0.0	-1389.25	0.0	-380.24	0.0	190.12	0.0
		0.0	57.04	4.00e-05	0.0	35.0	-1385.00	0.0	-380.24	0.0	57.04	0.0
55	6	0.0	175.70	-5.18e-06	0.0	0.0	-1359.52	0.0	-351.40	0.0	175.70	0.0
		0.0	52.71	3.97e-05	0.0	35.0	-1355.27	0.0	-351.40	0.0	52.71	0.0
55	7	0.0	184.53	-4.95e-06	0.0	0.0	-1354.88	0.0	-369.07	0.0	184.53	0.0
		0.0	55.36	3.96e-05	0.0	35.0	-1350.63	0.0	-369.07	0.0	55.36	0.0
55	8	0.0	336.04	2.49e-05	0.0	0.0	-1645.20	0.0	-672.09	0.0	336.04	0.0
		0.0	100.81	6.86e-05	0.0	35.0	-1642.05	0.0	-672.09	0.0	100.81	0.0
55	9	0.0	249.27	-6.00e-06	0.0	0.0	-969.08	0.0	-498.55	0.0	249.27	0.0
		0.0	74.78	4.78e-05	0.0	35.0	-965.93	0.0	-498.55	0.0	74.78	0.0
55	10	0.0	259.23	-1.73e-05	0.0	0.0	-1366.83	0.0	-518.47	0.0	259.23	0.0
		0.0	77.77	5.33e-05	0.0	35.0	-1363.68	0.0	-518.47	0.0	77.77	0.0
55	11	0.0	127.40	-3.66e-06	0.0	0.0	-971.94	0.0	-254.80	0.0	127.40	0.0
		0.0	38.22	2.84e-05	0.0	35.0	-968.79	0.0	-254.80	0.0	38.22	0.0
56	1	0.0	119.76	-3.88e-03	0.0	0.0	-1350.12	0.0	-798.41	0.0	119.76	0.0
		0.0	0.0	4.84e-05	0.0	15.0	-1350.12	0.0	-798.41	0.0	0.0	0.0
56	2	0.0	129.98	-3.10e-03	0.0	0.0	-1619.02	0.0	-866.56	0.0	129.98	0.0
		0.0	0.0	5.38e-05	0.0	15.0	-1619.02	0.0	-866.56	0.0	0.0	0.0
56	3	0.0	125.18	-4.01e-03	0.0	0.0	-2066.07	0.0	-834.55	0.0	125.18	0.0
		0.0	0.0	5.34e-05	0.0	15.0	-2066.07	0.0	-834.55	0.0	0.0	0.0
56	4	0.0	62.17	-1.15e-03	0.0	0.0	-1428.71	0.0	-414.45	0.0	62.17	0.0
		0.0	0.0	2.54e-05	0.0	15.0	-1428.71	0.0	-414.45	0.0	0.0	0.0
56	5	0.0	57.44	-1.26e-03	0.0	0.0	-1385.00	0.0	-382.92	0.0	57.44	0.0
		0.0	0.0	2.50e-05	0.0	15.0	-1385.00	0.0	-382.92	0.0	0.0	0.0
56	6	0.0	53.16	-1.42e-03	0.0	0.0	-1355.27	0.0	-354.42	0.0	53.16	0.0
		0.0	0.0	2.43e-05	0.0	15.0	-1355.27	0.0	-354.42	0.0	0.0	0.0
56	7	0.0	55.84	-1.50e-03	0.0	0.0	-1350.63	0.0	-372.26	0.0	55.84	0.0
		0.0	0.0	2.46e-05	0.0	15.0	-1350.63	0.0	-372.26	0.0	0.0	0.0

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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56	8	0.0	102.01	-3.75e-03	0.0	0.0	-1642.05	0.0	-680.08	0.0	102.01	0.0
		0.0	0.0	4.34e-05	0.0	15.0	-1642.05	0.0	-680.08	0.0	0.0	0.0
56	9	0.0	75.48	-2.18e-03	0.0	0.0	-965.93	0.0	-503.19	0.0	75.48	0.0
		0.0	0.0	3.08e-05	0.0	15.0	-965.93	0.0	-503.19	0.0	0.0	0.0
56	10	0.0	78.49	-2.26e-03	0.0	0.0	-1363.68	0.0	-523.27	0.0	78.49	0.0
		0.0	0.0	3.36e-05	0.0	15.0	-1363.68	0.0	-523.27	0.0	0.0	0.0
56	11	0.0	38.48	-8.15e-04	0.0	0.0	-968.79	0.0	-256.53	0.0	38.48	0.0
		0.0	0.0	1.74e-05	0.0	15.0	-968.79	0.0	-256.53	0.0	0.0	0.0
57	1	0.0	0.0	4.38e-05	0.0	0.0	-2114.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.22e-05	0.0	35.0	-2110.15	0.0	0.0	0.0	0.0	0.0
57	2	0.0	0.0	4.94e-05	0.0	0.0	-2049.90	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.81e-05	0.0	35.0	-2045.64	0.0	0.0	0.0	0.0	0.0
57	3	0.0	0.0	4.25e-05	0.0	0.0	-2043.22	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.60e-05	0.0	35.0	-2038.96	0.0	0.0	0.0	0.0	0.0
57	4	0.0	0.0	3.57e-05	0.0	0.0	-2041.65	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.73e-05	0.0	35.0	-2037.40	0.0	0.0	0.0	0.0	0.0
57	5	0.0	0.0	4.04e-05	0.0	0.0	-2030.65	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.82e-05	0.0	35.0	-2026.39	0.0	0.0	0.0	0.0	0.0
57	6	0.0	0.0	4.45e-05	0.0	0.0	-2112.60	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.16e-05	0.0	35.0	-2108.34	0.0	0.0	0.0	0.0	0.0
57	7	0.0	0.0	4.25e-05	0.0	0.0	-2042.50	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.91e-05	0.0	35.0	-2038.25	0.0	0.0	0.0	0.0	0.0
57	8	0.0	0.0	3.26e-05	0.0	0.0	-1588.11	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.56e-05	0.0	35.0	-1584.96	0.0	0.0	0.0	0.0	0.0
57	9	0.0	0.0	3.10e-05	0.0	0.0	-1473.48	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.61e-05	0.0	35.0	-1470.33	0.0	0.0	0.0	0.0	0.0
57	10	0.0	0.0	3.02e-05	0.0	0.0	-1433.94	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.26e-05	0.0	35.0	-1430.79	0.0	0.0	0.0	0.0	0.0
57	11	0.0	0.0	3.14e-05	0.0	0.0	-1472.48	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.58e-05	0.0	35.0	-1469.33	0.0	0.0	0.0	0.0	0.0
58	1	0.0	-13.94	-1.96e-05	0.0	0.0	-1557.24	0.0	92.92	0.0	-46.46	0.0
		0.0	-46.46	-4.56e-06	0.0	35.0	-1552.99	0.0	92.92	0.0	-13.94	0.0
58	2	0.0	-22.22	-1.33e-05	0.0	0.0	-1568.12	0.0	148.10	0.0	-74.05	0.0
		0.0	-74.05	7.02e-06	0.0	35.0	-1563.86	0.0	148.10	0.0	-22.22	0.0
58	3	0.0	-28.13	-4.28e-06	0.0	0.0	-1616.20	0.0	187.54	0.0	-93.77	0.0
		0.0	-93.77	1.00e-05	0.0	35.0	-1611.95	0.0	187.54	0.0	-28.13	0.0
58	4	0.0	-42.25	-4.39e-05	0.0	0.0	-2361.01	0.0	281.64	0.0	-140.82	0.0
		0.0	-140.82	-3.14e-05	0.0	35.0	-2356.76	0.0	281.64	0.0	-42.25	0.0
58	5	0.0	-16.89	-2.93e-05	0.0	0.0	-1716.44	0.0	112.60	0.0	-56.30	0.0
		0.0	-56.30	-1.11e-05	0.0	35.0	-1712.19	0.0	112.60	0.0	-16.89	0.0
58	6	0.0	14.11	-2.04e-05	0.0	0.0	-1556.27	0.0	-28.23	0.0	14.11	0.0
		0.0	4.23	-2.15e-06	0.0	35.0	-1552.02	0.0	-28.23	0.0	4.23	0.0
58	7	0.0	-7.45	-2.11e-05	0.0	0.0	-1554.52	0.0	49.69	0.0	-24.85	0.0
		0.0	-24.85	-5.12e-06	0.0	35.0	-1550.27	0.0	49.69	0.0	-7.45	0.0
58	8	0.0	-22.76	-1.75e-06	0.0	0.0	-1241.50	0.0	151.76	0.0	-75.88	0.0
		0.0	-75.88	7.78e-06	0.0	35.0	-1238.35	0.0	151.76	0.0	-22.76	0.0
58	9	0.0	-9.62	-1.43e-05	0.0	0.0	-1113.09	0.0	64.11	0.0	-32.05	0.0
		0.0	-32.05	-3.80e-06	0.0	35.0	-1109.94	0.0	64.11	0.0	-9.62	0.0
58	10	0.0	-17.50	-5.81e-06	0.0	0.0	-1145.85	0.0	116.67	0.0	-58.34	0.0
		0.0	-58.34	6.78e-06	0.0	35.0	-1142.70	0.0	116.67	0.0	-17.50	0.0
58	11	0.0	1.60	-1.47e-05	0.0	0.0	-1112.55	0.0	-3.20	0.0	1.60	0.0
		0.0	0.48	0.0	0.0	35.0	-1109.40	0.0	-3.20	0.0	0.48	0.0
59	1	0.0	0.0	-1.20e-03	0.0	0.0	-1552.99	0.0	90.64	0.0	-13.60	0.0
		0.0	-13.60	-3.88e-06	0.0	15.0	-1552.99	0.0	90.64	0.0	0.0	0.0
59	2	0.0	0.0	-1.35e-03	0.0	0.0	-1563.86	0.0	145.53	0.0	-21.83	0.0
		0.0	-21.83	-5.98e-06	0.0	15.0	-1563.86	0.0	145.53	0.0	0.0	0.0
59	3	0.0	0.0	-1.58e-03	0.0	0.0	-1611.95	0.0	184.51	0.0	-27.68	0.0
		0.0	-27.68	8.14e-06	0.0	15.0	-1611.95	0.0	184.51	0.0	0.0	0.0
59	4	0.0	0.0	-3.11e-03	0.0	0.0	-2356.76	0.0	275.72	0.0	-41.36	0.0
		0.0	-41.36	-1.93e-05	0.0	15.0	-2356.76	0.0	275.72	0.0	0.0	0.0
59	5	0.0	0.0	-3.19e-03	0.0	0.0	-1712.19	0.0	106.51	0.0	-15.98	0.0
		0.0	-15.98	-7.11e-06	0.0	15.0	-1712.19	0.0	106.51	0.0	0.0	0.0
59	6	0.0	4.78	-1.91e-03	0.0	0.0	-1552.02	0.0	-31.87	0.0	4.78	0.0
		0.0	0.0	-1.51e-06	0.0	15.0	-1552.02	0.0	-31.87	0.0	0.0	0.0
59	7	0.0	0.0	-1.37e-03	0.0	0.0	-1550.27	0.0	47.09	0.0	-7.06	0.0
		0.0	-7.06	-3.22e-06	0.0	15.0	-1550.27	0.0	47.09	0.0	0.0	0.0
59	8	0.0	0.0	-1.11e-03	0.0	0.0	-1238.35	0.0	149.63	0.0	-22.45	0.0
		0.0	-22.45	6.42e-06	0.0	15.0	-1238.35	0.0	149.63	0.0	0.0	0.0
59	9	0.0	0.0	-9.39e-04	0.0	0.0	-1109.94	0.0	62.32	0.0	-9.35	0.0
		0.0	-9.35	-2.96e-06	0.0	15.0	-1109.94	0.0	62.32	0.0	0.0	0.0
59	10	0.0	0.0	-1.15e-03	0.0	0.0	-1142.70	0.0	114.47	0.0	-17.17	0.0
		0.0	-17.17	5.32e-06	0.0	15.0	-1142.70	0.0	114.47	0.0	0.0	0.0

59	11	0.0	0.86	-1.33e-03	0.0	0.0	-1109.40	0.0	-5.74	0.0	0.86	0.0
		0.0	0.0	0.0	0.0	15.0	-1109.40	0.0	-5.74	0.0	0.0	0.0
60	1	0.0	0.0	-1.96e-03	0.0	0.0	-2110.15	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.85e-04	0.0	15.0	-2110.15	0.0	0.0	0.0	0.0	0.0
60	2	0.0	0.0	-1.98e-03	0.0	0.0	-2045.64	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.00e-04	0.0	15.0	-2045.64	0.0	0.0	0.0	0.0	0.0
60	3	0.0	0.0	-1.66e-03	0.0	0.0	-2038.96	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.96e-04	0.0	15.0	-2038.96	0.0	0.0	0.0	0.0	0.0
60	4	0.0	0.0	8.07e-04	0.0	0.0	-2037.40	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.12e-04	0.0	15.0	-2037.40	0.0	0.0	0.0	0.0	0.0
60	5	0.0	0.0	3.35e-04	0.0	0.0	-2026.39	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.97e-04	0.0	15.0	-2026.39	0.0	0.0	0.0	0.0	0.0
60	6	0.0	0.0	8.23e-04	0.0	0.0	-2108.34	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.26e-04	0.0	15.0	-2108.34	0.0	0.0	0.0	0.0	0.0
60	7	0.0	0.0	-1.73e-03	0.0	0.0	-2038.25	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.96e-04	0.0	15.0	-2038.25	0.0	0.0	0.0	0.0	0.0
60	8	0.0	0.0	-1.18e-03	0.0	0.0	-1584.96	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.86e-04	0.0	15.0	-1584.96	0.0	0.0	0.0	0.0	0.0
60	9	0.0	0.0	-1.39e-03	0.0	0.0	-1470.33	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.78e-04	0.0	15.0	-1470.33	0.0	0.0	0.0	0.0	0.0
60	10	0.0	0.0	-1.22e-03	0.0	0.0	-1430.79	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.39e-04	0.0	15.0	-1430.79	0.0	0.0	0.0	0.0	0.0
60	11	0.0	0.0	1.60e-04	0.0	0.0	-1469.33	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.12e-04	0.0	15.0	-1469.33	0.0	0.0	0.0	0.0	0.0
61	1	0.05	-0.04	1.02e-03	0.0	0.0	-1278.03	-0.10	0.24	0.0	-0.12	0.05
		0.02	-0.12	-2.77e-03	0.0	35.0	-1273.78	-0.10	0.24	0.0	-0.04	0.02
61	2	6.32	2.16	1.00e-03	0.0	0.0	-1305.82	-12.65	-4.32	0.0	2.16	6.32
		1.90	0.65	-2.73e-03	0.0	35.0	-1301.57	-12.65	-4.32	0.0	0.65	1.90
61	3	13.63	4.83	9.77e-04	0.0	0.0	-1352.11	-27.26	-9.65	0.0	4.83	13.63
		4.09	1.45	-2.65e-03	0.0	35.0	-1347.85	-27.26	-9.65	0.0	1.45	4.09
61	4	-68.81	-25.05	3.69e-04	0.0	0.0	-1350.84	458.72	167.02	0.0	-83.51	-229.36
		-229.36	-83.51	-1.15e-03	0.0	35.0	-1346.59	458.72	167.02	0.0	-25.05	-68.81
61	5	-56.13	-20.45	6.56e-04	0.0	0.0	-1540.19	374.21	136.35	0.0	-68.17	-187.10
		-187.10	-68.17	-1.91e-03	0.0	35.0	-1535.94	374.21	136.35	0.0	-20.45	-56.13
61	6	-33.43	-12.20	8.96e-04	0.0	0.0	-1363.87	222.88	81.35	0.0	-40.68	-111.44
		-111.44	-40.68	-2.53e-03	0.0	35.0	-1359.61	222.88	81.35	0.0	-12.20	-33.43
61	7	-1.64	-0.63	9.22e-04	0.0	0.0	-1274.63	10.91	4.23	0.0	-2.11	-5.46
		-5.46	-2.11	-2.51e-03	0.0	35.0	-1270.38	10.91	4.23	0.0	-0.63	-1.64
61	8	11.74	4.17	7.60e-04	0.0	0.0	-1039.36	-23.47	-8.33	0.0	4.17	11.74
		3.52	1.25	-2.05e-03	0.0	35.0	-1036.21	-23.47	-8.33	0.0	1.25	3.52
61	9	-0.11	-0.07	7.05e-04	0.0	0.0	-914.98	0.75	0.47	0.0	-0.23	-0.37
		-0.37	-0.23	-1.92e-03	0.0	35.0	-911.83	0.75	0.47	0.0	-0.07	-0.11
61	10	7.17	2.52	6.83e-04	0.0	0.0	-956.13	-14.34	-5.03	0.0	2.52	7.17
		2.15	0.75	-1.85e-03	0.0	35.0	-952.98	-14.34	-5.03	0.0	0.75	2.15
61	11	-18.69	-6.83	6.38e-04	0.0	0.0	-962.67	124.63	45.53	0.0	-22.76	-62.31
		-62.31	-22.76	-1.79e-03	0.0	35.0	-959.52	124.63	45.53	0.0	-6.83	-18.69
62	1	0.02	0.0	4.36e-04	0.0	0.0	-1273.78	-0.11	0.24	0.0	-0.04	0.02
		0.0	-0.04	-1.19e-03	0.0	15.0	-1273.78	-0.11	0.24	0.0	0.0	0.0
62	2	1.90	0.65	4.31e-04	0.0	0.0	-1301.57	-12.65	-4.32	0.0	0.65	1.90
		0.0	0.0	-1.17e-03	0.0	15.0	-1301.57	-12.65	-4.32	0.0	0.0	0.0
62	3	4.09	1.45	4.19e-04	0.0	0.0	-1347.85	-27.26	-9.65	0.0	1.45	4.09
		0.0	0.0	-1.13e-03	0.0	15.0	-1347.85	-27.26	-9.65	0.0	0.0	0.0
62	4	0.0	0.0	1.49e-04	0.0	0.0	-1346.59	458.72	167.02	0.0	-25.05	-68.81
		-68.81	-25.05	-4.96e-04	0.0	15.0	-1346.59	458.72	167.02	0.0	0.0	0.0
62	5	0.0	0.0	2.73e-04	0.0	0.0	-1535.94	374.21	136.35	0.0	-20.45	-56.13
		-56.13	-20.45	-8.22e-04	0.0	15.0	-1535.94	374.21	136.35	0.0	0.0	0.0
62	6	0.0	0.0	3.79e-04	0.0	0.0	-1359.61	222.88	81.35	0.0	-12.20	-33.43
		-33.43	-12.20	-1.08e-03	0.0	15.0	-1359.61	222.88	81.35	0.0	0.0	0.0
62	7	0.0	0.0	3.95e-04	0.0	0.0	-1270.38	10.91	4.23	0.0	-0.63	-1.64
		-1.64	-0.63	-1.08e-03	0.0	15.0	-1270.38	10.91	4.23	0.0	0.0	0.0
62	8	3.52	1.25	3.26e-04	0.0	0.0	-1036.21	-23.47	-8.33	0.0	1.25	3.52
		0.0	0.0	-8.80e-04	0.0	15.0	-1036.21	-23.47	-8.33	0.0	0.0	0.0
62	9	0.0	0.0	3.02e-04	0.0	0.0	-911.83	0.74	0.47	0.0	-0.07	-0.11
		-0.11	-0.07	-8.23e-04	0.0	15.0	-911.83	0.74	0.47	0.0	0.0	0.0
62	10	2.15	0.75	2.93e-04	0.0	0.0	-952.98	-14.34	-5.03	0.0	0.75	2.15
		0.0	0.0	-7.94e-04	0.0	15.0	-952.98	-14.34	-5.03	0.0	0.0	0.0
62	11	0.0	0.0	2.71e-04	0.0	0.0	-959.52	124.63	45.53	0.0	-6.83	-18.69
		-18.69	-6.83	-7.66e-04	0.0	15.0	-959.52	124.63	45.53	0.0	0.0	0.0
63	1	0.49	0.0	1.01e-03	0.0	0.0	-2635.42	-0.98	0.0	0.0	0.0	0.49
		0.15	0.0	-2.70e-03	0.0	35.0	-2631.17	-0.98	0.0	0.0	0.0	0.15
63	2	0.48	0.0	9.95e-04	0.0	0.0	-2546.48	-0.97	0.0	0.0	0.0	0.48
		0.14	0.0	-2.66e-03	0.0	35.0	-2542.23	-0.97	0.0	0.0	0.0	0.14

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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63	3	0.50	0.0	1.03e-03	0.0	0.0	-2524.68	-1.00	0.0	0.0	0.0	0.50
		0.15	0.0	-2.76e-03	0.0	35.0	-2520.42	-1.00	0.0	0.0	0.0	0.15
63	4	0.88	0.0	1.77e-03	0.0	0.0	-2522.33	-1.76	0.0	0.0	0.0	0.88
		0.26	0.0	-4.76e-03	0.0	35.0	-2518.07	-1.76	0.0	0.0	0.0	0.26
63	5	0.86	0.0	1.75e-03	0.0	0.0	-2500.17	-1.73	0.0	0.0	0.0	0.86
		0.26	0.0	-4.69e-03	0.0	35.0	-2495.92	-1.73	0.0	0.0	0.0	0.26
63	6	0.90	0.0	1.82e-03	0.0	0.0	-3083.08	-1.81	0.0	0.0	0.0	0.90
		0.27	0.0	-4.88e-03	0.0	35.0	-3078.83	-1.81	0.0	0.0	0.0	0.27
63	7	0.50	0.0	1.03e-03	0.0	0.0	-2530.06	-1.01	0.0	0.0	0.0	0.50
		0.15	0.0	-2.76e-03	0.0	35.0	-2525.81	-1.01	0.0	0.0	0.0	0.15
63	8	0.38	0.0	7.91e-04	0.0	0.0	-1955.45	-0.77	0.0	0.0	0.0	0.38
		0.12	0.0	-2.11e-03	0.0	35.0	-1952.30	-0.77	0.0	0.0	0.0	0.12
63	9	0.35	0.0	7.23e-04	0.0	0.0	-1841.00	-0.70	0.0	0.0	0.0	0.35
		0.11	0.0	-1.93e-03	0.0	35.0	-1837.85	-0.70	0.0	0.0	0.0	0.11
63	10	0.36	0.0	7.34e-04	0.0	0.0	-1779.47	-0.72	0.0	0.0	0.0	0.36
		0.11	0.0	-1.97e-03	0.0	35.0	-1776.32	-0.72	0.0	0.0	0.0	0.11
63	11	0.58	0.0	1.17e-03	0.0	0.0	-2089.70	-1.16	0.0	0.0	0.0	0.58
		0.17	0.0	-3.14e-03	0.0	35.0	-2086.55	-1.16	0.0	0.0	0.0	0.17
64	1	-0.17	0.0	-2.14e-03	0.0	0.0	-1386.57	1.17	0.0	0.0	0.0	-0.58
		-0.58	0.0	5.69e-03	0.0	35.0	-1382.32	1.17	0.0	0.0	0.0	-0.17
64	2	-0.18	0.0	-2.20e-03	0.0	0.0	-1409.06	1.19	0.0	0.0	0.0	-0.60
		-0.60	0.0	5.84e-03	0.0	35.0	-1404.81	1.19	0.0	0.0	0.0	-0.18
64	3	-0.18	0.0	-2.19e-03	0.0	0.0	-1402.96	1.19	0.0	0.0	0.0	-0.60
		-0.60	0.0	5.84e-03	0.0	35.0	-1398.71	1.19	0.0	0.0	0.0	-0.18
64	4	-0.11	0.0	-1.38e-03	0.0	0.0	-1403.58	0.74	0.0	0.0	0.0	-0.37
		-0.37	0.0	3.60e-03	0.0	35.0	-1399.32	0.74	0.0	0.0	0.0	-0.11
64	5	-0.11	0.0	-1.38e-03	0.0	0.0	-1394.90	0.74	0.0	0.0	0.0	-0.37
		-0.37	0.0	3.59e-03	0.0	35.0	-1390.65	0.74	0.0	0.0	0.0	-0.11
64	6	-0.11	0.0	-1.39e-03	0.0	0.0	-1396.31	0.74	0.0	0.0	0.0	-0.37
		-0.37	0.0	3.61e-03	0.0	35.0	-1392.06	0.74	0.0	0.0	0.0	-0.11
64	7	-0.11	0.0	-1.40e-03	0.0	0.0	-1398.85	0.75	0.0	0.0	0.0	-0.37
		-0.37	0.0	3.64e-03	0.0	35.0	-1394.59	0.75	0.0	0.0	0.0	-0.11
64	8	-0.14	0.0	-1.77e-03	0.0	0.0	-1078.19	0.96	0.0	0.0	0.0	-0.48
		-0.48	0.0	4.71e-03	0.0	35.0	-1075.04	0.96	0.0	0.0	0.0	-0.14
64	9	-0.11	0.0	-1.40e-03	0.0	0.0	-988.26	0.76	0.0	0.0	0.0	-0.38
		-0.38	0.0	3.71e-03	0.0	35.0	-985.11	0.76	0.0	0.0	0.0	-0.11
64	10	-0.12	0.0	-1.43e-03	0.0	0.0	-997.37	0.77	0.0	0.0	0.0	-0.39
		-0.39	0.0	3.80e-03	0.0	35.0	-994.22	0.77	0.0	0.0	0.0	-0.12
64	11	-0.08	0.0	-9.80e-04	0.0	0.0	-993.67	0.53	0.0	0.0	0.0	-0.26
		-0.26	0.0	2.56e-03	0.0	35.0	-990.52	0.53	0.0	0.0	0.0	-0.08
65	1	0.29	0.0	-9.19e-04	0.0	0.0	-1382.32	-1.92	0.0	0.0	0.0	0.29
		0.0	0.0	2.78e-03	0.0	15.0	-1382.32	-1.92	0.0	0.0	0.0	0.0
65	2	0.31	0.0	-9.42e-04	0.0	0.0	-1404.81	-2.09	0.0	0.0	0.0	0.31
		0.0	0.0	2.86e-03	0.0	15.0	-1404.81	-2.09	0.0	0.0	0.0	0.0
65	3	0.42	0.0	-9.41e-04	0.0	0.0	-1398.71	-2.83	0.0	0.0	0.0	0.42
		0.0	0.0	2.94e-03	0.0	15.0	-1398.71	-2.83	0.0	0.0	0.0	0.0
65	4	0.0	0.0	-5.93e-04	0.0	0.0	-1399.32	4.33	0.0	0.0	0.0	-0.65
		-0.65	0.0	1.15e-03	0.0	15.0	-1399.32	4.33	0.0	0.0	0.0	0.0
65	5	0.0	0.0	-5.92e-04	0.0	0.0	-1390.65	4.05	0.0	0.0	0.0	-0.61
		-0.61	0.0	1.18e-03	0.0	15.0	-1390.65	4.05	0.0	0.0	0.0	0.0
65	6	0.0	0.0	-5.95e-04	0.0	0.0	-1392.05	3.78	0.0	0.0	0.0	-0.57
		-0.57	0.0	1.21e-03	0.0	15.0	-1392.05	3.78	0.0	0.0	0.0	0.0
65	7	0.0	0.0	-6.00e-04	0.0	0.0	-1394.59	3.97	0.0	0.0	0.0	-0.60
		-0.60	0.0	1.21e-03	0.0	15.0	-1394.59	3.97	0.0	0.0	0.0	0.0
65	8	0.41	0.0	-7.60e-04	0.0	0.0	-1075.04	-2.72	0.0	0.0	0.0	0.41
		0.0	0.0	2.42e-03	0.0	15.0	-1075.04	-2.72	0.0	0.0	0.0	0.0
65	9	0.07	0.0	-6.00e-04	0.0	0.0	-985.11	-0.45	0.0	0.0	0.0	0.07
		0.0	0.0	1.72e-03	0.0	15.0	-985.11	-0.45	0.0	0.0	0.0	0.0
65	10	0.14	0.0	-6.12e-04	0.0	0.0	-994.22	-0.95	0.0	0.0	0.0	0.14
		0.0	0.0	1.82e-03	0.0	15.0	-994.22	-0.95	0.0	0.0	0.0	0.0
65	11	0.0	0.0	-4.20e-04	0.0	0.0	-990.52	2.72	0.0	0.0	0.0	-0.41
		-0.41	0.0	8.56e-04	0.0	15.0	-990.52	2.72	0.0	0.0	0.0	0.0
66	1	0.0	101.66	9.59e-06	0.0	0.0	-1556.91	0.0	-203.31	0.0	101.66	0.0
		0.0	30.50	7.06e-06	0.0	35.0	-1552.66	0.0	-203.31	0.0	30.50	0.0
66	2	0.0	112.19	1.63e-05	0.0	0.0	-1608.52	0.0	-224.38	0.0	112.19	0.0
		0.0	33.66	9.23e-06	0.0	35.0	-1604.26	0.0	-224.38	0.0	33.66	0.0
66	3	0.0	154.03	1.77e-05	0.0	0.0	-1559.72	0.0	-308.05	0.0	154.03	0.0
		0.0	46.21	1.98e-05	0.0	35.0	-1555.47	0.0	-308.05	0.0	46.21	0.0
66	4	0.0	176.59	2.90e-06	0.0	0.0	-1685.60	0.0	-353.18	0.0	176.59	0.0
		0.0	52.98	2.12e-05	0.0	35.0	-1681.34	0.0	-353.18	0.0	52.98	0.0
66	5	0.0	230.05	3.62e-06	0.0	0.0	-1773.57	0.0	-460.10	0.0	230.05	0.0
		0.0	69.01	2.78e-05	0.0	35.0	-1769.32	0.0	-460.10	0.0	69.01	0.0

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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66	6	0.0	194.79	1.08e-05	0.0	0.0	-1560.99	0.0	-389.59	0.0	194.79	0.0
		0.0	58.44	2.27e-05	0.0	35.0	-1556.74	0.0	-389.59	0.0	58.44	0.0
66	7	0.0	105.38	9.54e-06	0.0	0.0	-1533.92	0.0	-210.77	0.0	105.38	0.0
		0.0	31.62	9.31e-06	0.0	35.0	-1529.66	0.0	-210.77	0.0	31.62	0.0
66	8	0.0	121.12	1.43e-05	0.0	0.0	-1197.57	0.0	-242.23	0.0	121.12	0.0
		0.0	36.34	1.58e-05	0.0	35.0	-1194.42	0.0	-242.23	0.0	36.34	0.0
66	9	0.0	73.98	6.78e-06	0.0	0.0	-1107.05	0.0	-147.95	0.0	73.98	0.0
		0.0	22.19	5.67e-06	0.0	35.0	-1103.90	0.0	-147.95	0.0	22.19	0.0
66	10	0.0	103.07	1.13e-05	0.0	0.0	-1108.61	0.0	-206.14	0.0	103.07	0.0
		0.0	30.92	1.28e-05	0.0	35.0	-1105.46	0.0	-206.14	0.0	30.92	0.0
66	11	0.0	125.72	7.44e-06	0.0	0.0	-1109.32	0.0	-251.44	0.0	125.72	0.0
		0.0	37.72	1.44e-05	0.0	35.0	-1106.17	0.0	-251.44	0.0	37.72	0.0
67	1	0.0	0.0	-1.70e-05	0.0	0.0	-2069.46	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.56e-05	0.0	35.0	-2065.20	0.0	0.0	0.0	0.0	0.0
67	2	0.0	0.0	2.20e-05	0.0	0.0	-2118.56	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.87e-05	0.0	35.0	-2114.30	0.0	0.0	0.0	0.0	0.0
67	3	0.0	0.0	2.97e-05	0.0	0.0	-2132.18	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.08e-05	0.0	35.0	-2127.93	0.0	0.0	0.0	0.0	0.0
67	4	0.0	0.0	-1.52e-06	0.0	0.0	-2097.32	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.01e-05	0.0	35.0	-2093.06	0.0	0.0	0.0	0.0	0.0
67	5	0.0	0.0	-8.69e-06	0.0	0.0	-2066.92	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.24e-05	0.0	35.0	-2062.67	0.0	0.0	0.0	0.0	0.0
67	6	0.0	0.0	-1.41e-05	0.0	0.0	-2067.89	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.43e-05	0.0	35.0	-2063.63	0.0	0.0	0.0	0.0	0.0
67	7	0.0	0.0	-1.44e-05	0.0	0.0	-2075.12	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.39e-05	0.0	35.0	-2070.87	0.0	0.0	0.0	0.0	0.0
67	8	0.0	0.0	2.41e-05	0.0	0.0	-1642.80	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.66e-05	0.0	35.0	-1639.65	0.0	0.0	0.0	0.0	0.0
67	9	0.0	0.0	-1.17e-05	0.0	0.0	-1473.16	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.08e-05	0.0	35.0	-1470.01	0.0	0.0	0.0	0.0	0.0
67	10	0.0	0.0	1.87e-05	0.0	0.0	-1508.01	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.37e-05	0.0	35.0	-1504.86	0.0	0.0	0.0	0.0	0.0
67	11	0.0	0.0	-1.01e-05	0.0	0.0	-1472.29	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.01e-05	0.0	35.0	-1469.14	0.0	0.0	0.0	0.0	0.0
68	1	0.0	0.0	-3.58e-03	0.0	0.0	-2065.21	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.69e-04	0.0	15.0	-2065.21	0.0	0.0	0.0	0.0	0.0
68	2	0.0	0.0	-2.86e-03	0.0	0.0	-2114.30	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.85e-04	0.0	15.0	-2114.30	0.0	0.0	0.0	0.0	0.0
68	3	0.0	0.0	-3.61e-03	0.0	0.0	-2127.93	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.06e-04	0.0	15.0	-2127.93	0.0	0.0	0.0	0.0	0.0
68	4	0.0	0.0	-1.19e-03	0.0	0.0	-2093.06	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.65e-04	0.0	15.0	-2093.06	0.0	0.0	0.0	0.0	0.0
68	5	0.0	0.0	-1.33e-03	0.0	0.0	-2062.67	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.63e-04	0.0	15.0	-2062.67	0.0	0.0	0.0	0.0	0.0
68	6	0.0	0.0	-1.49e-03	0.0	0.0	-2063.63	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.56e-04	0.0	15.0	-2063.63	0.0	0.0	0.0	0.0	0.0
68	7	0.0	0.0	-1.55e-03	0.0	0.0	-2070.87	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.59e-04	0.0	15.0	-2070.87	0.0	0.0	0.0	0.0	0.0
68	8	0.0	0.0	-3.41e-03	0.0	0.0	-1639.65	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.32e-04	0.0	15.0	-1639.65	0.0	0.0	0.0	0.0	0.0
68	9	0.0	0.0	-2.03e-03	0.0	0.0	-1470.01	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.30e-04	0.0	15.0	-1470.01	0.0	0.0	0.0	0.0	0.0
68	10	0.0	0.0	-2.04e-03	0.0	0.0	-1504.86	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.51e-04	0.0	15.0	-1504.86	0.0	0.0	0.0	0.0	0.0
68	11	0.0	0.0	-8.62e-04	0.0	0.0	-1469.14	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.12e-04	0.0	15.0	-1469.14	0.0	0.0	0.0	0.0	0.0
69	1	0.0	34.08	-1.80e-03	0.0	0.0	-1552.66	0.0	-227.18	0.0	34.08	0.0
		0.0	0.0	7.25e-06	0.0	15.0	-1552.66	0.0	-227.18	0.0	0.0	0.0
69	2	0.0	37.42	-1.89e-03	0.0	0.0	-1604.26	0.0	-249.45	0.0	37.42	0.0
		0.0	0.0	8.61e-06	0.0	15.0	-1604.26	0.0	-249.45	0.0	0.0	0.0
69	3	0.0	49.73	-1.77e-03	0.0	0.0	-1555.47	0.0	-331.56	0.0	49.73	0.0
		0.0	0.0	1.49e-05	0.0	15.0	-1555.47	0.0	-331.56	0.0	0.0	0.0
69	4	0.0	52.25	3.66e-04	0.0	0.0	-1681.34	0.0	-348.33	0.0	52.25	0.0
		0.0	0.0	1.64e-05	0.0	15.0	-1681.34	0.0	-348.33	0.0	0.0	0.0
69	5	0.0	69.52	2.55e-04	0.0	0.0	-1769.32	0.0	-463.49	0.0	69.52	0.0
		0.0	0.0	2.14e-05	0.0	15.0	-1769.32	0.0	-463.49	0.0	0.0	0.0
69	6	0.0	57.65	4.03e-04	0.0	0.0	-1556.74	0.0	-384.31	0.0	57.65	0.0
		0.0	0.0	1.78e-05	0.0	15.0	-1556.74	0.0	-384.31	0.0	0.0	0.0
69	7	0.0	34.86	-1.63e-03	0.0	0.0	-1529.66	0.0	-232.43	0.0	34.86	0.0
		0.0	0.0	8.36e-06	0.0	15.0	-1529.66	0.0	-232.43	0.0	0.0	0.0
69	8	0.0	38.87	-1.27e-03	0.0	0.0	-1194.42	0.0	-259.12	0.0	38.87	0.0
		0.0	0.0	1.18e-05	0.0	15.0	-1194.42	0.0	-259.12	0.0	0.0	0.0

69	9	0.0	24.77	-1.30e-03	0.0	0.0	-1103.90	0.0	-165.12	0.0	24.77	0.0
		0.0	0.0	5.50e-06	0.0	15.0	-1103.90	0.0	-165.12	0.0	0.0	0.0
69	10	0.0	33.47	-1.28e-03	0.0	0.0	-1105.46	0.0	-223.11	0.0	33.47	0.0
		0.0	0.0	9.75e-06	0.0	15.0	-1105.46	0.0	-223.11	0.0	0.0	0.0
69	11	0.0	37.86	7.11e-05	0.0	0.0	-1106.17	0.0	-252.42	0.0	37.86	0.0
		0.0	0.0	1.14e-05	0.0	15.0	-1106.17	0.0	-252.42	0.0	0.0	0.0
70	1	0.0	0.0	-6.09e-06	0.0	0.0	-1372.10	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.65e-06	0.0	35.0	-1367.85	0.0	0.0	0.0	0.0	0.0
70	2	0.0	0.0	0.0	0.0	0.0	-1372.69	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	35.0	-1368.44	0.0	0.0	0.0	0.0	0.0
70	3	0.0	0.0	6.58e-06	0.0	0.0	-1383.34	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.90e-06	0.0	35.0	-1379.08	0.0	0.0	0.0	0.0	0.0
70	4	0.0	0.0	-2.39e-05	0.0	0.0	-1492.93	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-8.21e-06	0.0	35.0	-1488.68	0.0	0.0	0.0	0.0	0.0
70	5	0.0	0.0	-1.51e-05	0.0	0.0	-1385.67	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-5.71e-06	0.0	35.0	-1381.42	0.0	0.0	0.0	0.0	0.0
70	6	0.0	0.0	-9.33e-06	0.0	0.0	-1370.50	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.24e-06	0.0	35.0	-1366.25	0.0	0.0	0.0	0.0	0.0
70	7	0.0	0.0	-9.26e-06	0.0	0.0	-1373.91	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.64e-06	0.0	35.0	-1369.65	0.0	0.0	0.0	0.0	0.0
70	8	0.0	0.0	6.43e-06	0.0	0.0	-1064.31	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.03e-06	0.0	35.0	-1061.16	0.0	0.0	0.0	0.0	0.0
70	9	0.0	0.0	-4.88e-06	0.0	0.0	-975.62	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.21e-06	0.0	35.0	-972.47	0.0	0.0	0.0	0.0	0.0
70	10	0.0	0.0	2.16e-06	0.0	0.0	-981.86	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0	35.0	-978.71	0.0	0.0	0.0	0.0	0.0
70	11	0.0	0.0	-6.68e-06	0.0	0.0	-974.73	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.09e-06	0.0	35.0	-971.58	0.0	0.0	0.0	0.0	0.0
83	1	-0.27	0.0	-7.76e-04	0.0	0.0	-2031.73	1.77	0.0	0.0	0.0	-0.89
		-0.89	0.0	1.97e-03	0.0	35.0	-2027.48	1.77	0.0	0.0	0.0	-0.27
83	2	0.53	0.0	-3.84e-04	0.0	0.0	-2002.61	-1.07	0.0	0.0	0.0	0.53
		0.16	0.0	-1.22e-03	0.0	35.0	-1998.35	-1.07	0.0	0.0	0.0	0.16
83	3	2.47	0.0	-1.96e-03	0.0	0.0	-2054.20	-4.93	0.0	0.0	0.0	2.47
		0.74	0.0	-5.57e-03	0.0	35.0	-2049.95	-4.93	0.0	0.0	0.0	0.74
83	4	-0.47	0.0	-1.33e-03	0.0	0.0	-2055.87	3.13	0.0	0.0	0.0	-1.57
		-1.57	0.0	3.49e-03	0.0	35.0	-2051.62	3.13	0.0	0.0	0.0	-0.47
83	5	-0.48	0.0	-1.37e-03	0.0	0.0	-2032.21	3.22	0.0	0.0	0.0	-1.61
		-1.61	0.0	3.59e-03	0.0	35.0	-2027.96	3.22	0.0	0.0	0.0	-0.48
83	6	-0.49	0.0	-1.38e-03	0.0	0.0	-2034.13	3.25	0.0	0.0	0.0	-1.63
		-1.63	0.0	3.63e-03	0.0	35.0	-2029.88	3.25	0.0	0.0	0.0	-0.49
83	7	-0.46	0.0	-1.31e-03	0.0	0.0	-2037.90	3.07	0.0	0.0	0.0	-1.54
		-1.54	0.0	3.42e-03	0.0	35.0	-2033.65	3.07	0.0	0.0	0.0	-0.46
83	8	2.21	0.0	-1.76e-03	0.0	0.0	-1579.27	-4.41	0.0	0.0	0.0	2.21
		0.66	0.0	-4.98e-03	0.0	35.0	-1576.12	-4.41	0.0	0.0	0.0	0.66
83	9	-0.22	0.0	-6.22e-04	0.0	0.0	-1446.67	1.44	0.0	0.0	0.0	-0.72
		-0.72	0.0	1.60e-03	0.0	35.0	-1443.52	1.44	0.0	0.0	0.0	-0.22
83	10	1.14	0.0	-9.00e-04	0.0	0.0	-1459.15	-2.29	0.0	0.0	0.0	1.14
		0.34	0.0	-2.59e-03	0.0	35.0	-1456.00	-2.29	0.0	0.0	0.0	0.34
83	11	-0.34	0.0	-9.60e-04	0.0	0.0	-1448.00	2.26	0.0	0.0	0.0	-1.13
		-1.13	0.0	2.52e-03	0.0	35.0	-1444.85	2.26	0.0	0.0	0.0	-0.34
84	1	2.37	0.0	-3.32e-04	0.0	0.0	-2027.48	-15.82	0.0	0.0	0.0	2.37
		0.0	0.0	2.32e-03	0.0	15.0	-2027.48	-15.82	0.0	0.0	0.0	0.0
84	2	7.30	0.0	-1.64e-04	0.0	0.0	-1998.35	-48.64	0.0	0.0	0.0	7.30
		0.0	0.0	3.46e-03	0.0	15.0	-1998.35	-48.64	0.0	0.0	0.0	0.0
84	3	11.98	0.0	-8.42e-04	0.0	0.0	-2049.95	-79.90	0.0	0.0	0.0	11.98
		0.0	0.0	-3.89e-03	0.0	15.0	-2049.95	-79.90	0.0	0.0	0.0	0.0
84	4	0.0	0.0	-5.72e-04	0.0	0.0	-2051.62	5.81	0.0	0.0	0.0	-0.87
		-0.87	0.0	1.27e-03	0.0	15.0	-2051.62	5.81	0.0	0.0	0.0	0.0
84	5	0.0	0.0	-5.87e-04	0.0	0.0	-2027.96	5.51	0.0	0.0	0.0	-0.83
		-0.83	0.0	1.35e-03	0.0	15.0	-2027.96	5.51	0.0	0.0	0.0	0.0
84	6	0.0	0.0	-5.93e-04	0.0	0.0	-2029.88	5.67	0.0	0.0	0.0	-0.85
		-0.85	0.0	1.35e-03	0.0	15.0	-2029.88	5.67	0.0	0.0	0.0	0.0
84	7	0.0	0.0	-5.62e-04	0.0	0.0	-2033.65	4.92	0.0	0.0	0.0	-0.74
		-0.74	0.0	1.31e-03	0.0	15.0	-2033.65	4.92	0.0	0.0	0.0	0.0
84	8	10.27	0.0	-7.54e-04	0.0	0.0	-1576.12	-68.44	0.0	0.0	0.0	10.27
		0.0	0.0	-3.23e-03	0.0	15.0	-1576.12	-68.44	0.0	0.0	0.0	0.0
84	9	1.21	0.0	-2.67e-04	0.0	0.0	-1443.52	-8.06	0.0	0.0	0.0	1.21
		0.0	0.0	1.48e-03	0.0	15.0	-1443.52	-8.06	0.0	0.0	0.0	0.0
84	10	6.55	0.0	-3.86e-04	0.0	0.0	-1456.00	-43.66	0.0	0.0	0.0	6.55
		0.0	0.0	-2.36e-03	0.0	15.0	-1456.00	-43.66	0.0	0.0	0.0	0.0
84	11	0.0	0.0	-4.12e-04	0.0	0.0	-1444.85	3.88	0.0	0.0	0.0	-0.58
		-0.58	0.0	9.45e-04	0.0	15.0	-1444.85	3.88	0.0	0.0	0.0	0.0

85	1	0.0	0.0	1.34e-05	0.0	0.0	-1414.23	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	8.23e-06	0.0	35.0	-1409.98	0.0	0.0	0.0	0.0	0.0
85	2	0.0	0.0	1.75e-05	0.0	0.0	-1398.35	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	9.73e-06	0.0	35.0	-1394.10	0.0	0.0	0.0	0.0	0.0
85	3	0.0	0.0	2.78e-05	0.0	0.0	-1534.52	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.19e-05	0.0	35.0	-1530.27	0.0	0.0	0.0	0.0	0.0
85	4	0.0	0.0	-1.56e-06	0.0	0.0	-1424.15	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.30e-06	0.0	35.0	-1419.90	0.0	0.0	0.0	0.0	0.0
85	5	0.0	0.0	-5.10e-06	0.0	0.0	-1413.64	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.63e-06	0.0	35.0	-1409.38	0.0	0.0	0.0	0.0	0.0
85	6	0.0	0.0	1.07e-05	0.0	0.0	-1413.66	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.07e-06	0.0	35.0	-1409.41	0.0	0.0	0.0	0.0	0.0
85	7	0.0	0.0	1.16e-05	0.0	0.0	-1416.00	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.48e-06	0.0	35.0	-1411.75	0.0	0.0	0.0	0.0	0.0
85	8	0.0	0.0	2.27e-05	0.0	0.0	-1190.05	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	9.56e-06	0.0	35.0	-1186.90	0.0	0.0	0.0	0.0	0.0
85	9	0.0	0.0	9.29e-06	0.0	0.0	-1005.08	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.73e-06	0.0	35.0	-1001.93	0.0	0.0	0.0	0.0	0.0
85	10	0.0	0.0	1.73e-05	0.0	0.0	-1071.90	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.79e-06	0.0	35.0	-1068.75	0.0	0.0	0.0	0.0	0.0
85	11	0.0	0.0	7.75e-06	0.0	0.0	-1004.76	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.08e-06	0.0	35.0	-1001.61	0.0	0.0	0.0	0.0	0.0
86	1	0.0	0.0	-4.70e-04	0.0	0.0	-1409.98	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	8.87e-06	0.0	15.0	-1409.98	0.0	0.0	0.0	0.0	0.0
86	2	0.0	0.0	2.21e-03	0.0	0.0	-1394.10	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.81e-04	0.0	15.0	-1394.10	0.0	0.0	0.0	0.0	0.0
86	3	0.0	0.0	5.35e-03	0.0	0.0	-1530.27	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.75e-04	0.0	15.0	-1530.27	0.0	0.0	0.0	0.0	0.0
86	4	0.0	0.0	-1.18e-03	0.0	0.0	-1419.90	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.34e-05	0.0	15.0	-1419.90	0.0	0.0	0.0	0.0	0.0
86	5	0.0	0.0	-1.49e-03	0.0	0.0	-1409.38	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.60e-05	0.0	15.0	-1409.38	0.0	0.0	0.0	0.0	0.0
86	6	0.0	0.0	-1.63e-03	0.0	0.0	-1409.41	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.69e-05	0.0	15.0	-1409.41	0.0	0.0	0.0	0.0	0.0
86	7	0.0	0.0	-1.48e-03	0.0	0.0	-1411.75	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.05e-05	0.0	15.0	-1411.75	0.0	0.0	0.0	0.0	0.0
86	8	0.0	0.0	4.22e-03	0.0	0.0	-1186.90	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.72e-04	0.0	15.0	-1186.90	0.0	0.0	0.0	0.0	0.0
86	9	0.0	0.0	-2.75e-04	0.0	0.0	-1001.93	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.30e-06	0.0	15.0	-1001.93	0.0	0.0	0.0	0.0	0.0
86	10	0.0	0.0	2.96e-03	0.0	0.0	-1068.75	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.76e-04	0.0	15.0	-1068.75	0.0	0.0	0.0	0.0	0.0
86	11	0.0	0.0	-9.20e-04	0.0	0.0	-1001.61	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.10e-05	0.0	15.0	-1001.61	0.0	0.0	0.0	0.0	0.0
87	1	0.0	0.0	9.86e-06	0.0	0.0	-1951.83	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.09e-05	0.0	35.0	-1947.58	0.0	0.0	0.0	0.0	0.0
87	2	0.0	0.0	5.73e-06	0.0	0.0	-1948.95	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	9.05e-06	0.0	35.0	-1944.70	0.0	0.0	0.0	0.0	0.0
87	3	0.0	0.0	2.76e-06	0.0	0.0	-1975.38	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.24e-06	0.0	35.0	-1971.13	0.0	0.0	0.0	0.0	0.0
87	4	0.0	0.0	-2.49e-05	0.0	0.0	-2008.55	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.74e-05	0.0	35.0	-2004.30	0.0	0.0	0.0	0.0	0.0
87	5	0.0	0.0	-1.83e-05	0.0	0.0	-1998.00	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.48e-05	0.0	35.0	-1993.75	0.0	0.0	0.0	0.0	0.0
87	6	0.0	0.0	1.27e-05	0.0	0.0	-1952.75	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.20e-05	0.0	35.0	-1948.50	0.0	0.0	0.0	0.0	0.0
87	7	0.0	0.0	1.20e-05	0.0	0.0	-1955.18	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.16e-05	0.0	35.0	-1950.93	0.0	0.0	0.0	0.0	0.0
87	8	0.0	0.0	3.39e-06	0.0	0.0	-1519.72	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.19e-06	0.0	35.0	-1516.57	0.0	0.0	0.0	0.0	0.0
87	9	0.0	0.0	7.38e-06	0.0	0.0	-1388.64	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.87e-06	0.0	35.0	-1385.49	0.0	0.0	0.0	0.0	0.0
87	10	0.0	0.0	0.0	0.0	0.0	-1401.72	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.83e-06	0.0	35.0	-1398.57	0.0	0.0	0.0	0.0	0.0
87	11	0.0	0.0	8.97e-06	0.0	0.0	-1389.15	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	8.48e-06	0.0	35.0	-1386.00	0.0	0.0	0.0	0.0	0.0
88	1	0.0	0.0	-1.49e-03	0.0	0.0	-1947.58	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.95e-04	0.0	15.0	-1947.58	0.0	0.0	0.0	0.0	0.0
88	2	0.0	0.0	-1.59e-03	0.0	0.0	-1944.70	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.07e-04	0.0	15.0	-1944.70	0.0	0.0	0.0	0.0	0.0
88	3	0.0	0.0	-1.72e-03	0.0	0.0	-1971.13	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.21e-04	0.0	15.0	-1971.13	0.0	0.0	0.0	0.0	0.0

88	4	0.0	0.0	-2.33e-04	0.0	0.0	-2004.30	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.53e-04	0.0	15.0	-2004.30	0.0	0.0	0.0	0.0	0.0
88	5	0.0	0.0	-7.61e-04	0.0	0.0	-1993.75	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-5.04e-04	0.0	15.0	-1993.75	0.0	0.0	0.0	0.0	0.0
88	6	0.0	0.0	-1.48e-04	0.0	0.0	-1948.50	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-4.65e-04	0.0	15.0	-1948.50	0.0	0.0	0.0	0.0	0.0
88	7	0.0	0.0	-1.40e-03	0.0	0.0	-1950.93	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.03e-04	0.0	15.0	-1950.93	0.0	0.0	0.0	0.0	0.0
88	8	0.0	0.0	-1.24e-03	0.0	0.0	-1516.57	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.69e-04	0.0	15.0	-1516.57	0.0	0.0	0.0	0.0	0.0
88	9	0.0	0.0	-1.09e-03	0.0	0.0	-1385.49	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.42e-04	0.0	15.0	-1385.49	0.0	0.0	0.0	0.0	0.0
88	10	0.0	0.0	-1.22e-03	0.0	0.0	-1398.57	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.56e-04	0.0	15.0	-1398.57	0.0	0.0	0.0	0.0	0.0
88	11	0.0	0.0	-3.48e-04	0.0	0.0	-1386.00	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.92e-04	0.0	15.0	-1386.00	0.0	0.0	0.0	0.0	0.0
89	1	1.61	0.0	1.07e-03	0.0	0.0	-1355.06	-3.21	0.0	0.0	0.0	1.61
		0.48	0.0	-2.91e-03	0.0	35.0	-1350.81	-3.21	0.0	0.0	0.0	0.48
89	2	1.60	0.0	1.07e-03	0.0	0.0	-1353.75	-3.21	0.0	0.0	0.0	1.60
		0.48	0.0	-2.90e-03	0.0	35.0	-1349.49	-3.21	0.0	0.0	0.0	0.48
89	3	1.64	0.0	1.09e-03	0.0	0.0	-1360.18	-3.28	0.0	0.0	0.0	1.64
		0.49	0.0	-2.96e-03	0.0	35.0	-1355.93	-3.28	0.0	0.0	0.0	0.49
89	4	2.39	0.0	1.59e-03	0.0	0.0	-1359.57	-4.79	0.0	0.0	0.0	2.39
		0.72	0.0	-4.34e-03	0.0	35.0	-1355.32	-4.79	0.0	0.0	0.0	0.72
89	5	2.49	0.0	1.65e-03	0.0	0.0	-1368.47	-4.97	0.0	0.0	0.0	2.49
		0.75	0.0	-4.51e-03	0.0	35.0	-1364.22	-4.97	0.0	0.0	0.0	0.75
89	6	2.45	0.0	1.62e-03	0.0	0.0	-1352.58	-4.89	0.0	0.0	0.0	2.45
		0.73	0.0	-4.44e-03	0.0	35.0	-1348.33	-4.89	0.0	0.0	0.0	0.73
89	7	1.63	0.0	1.09e-03	0.0	0.0	-1355.80	-3.27	0.0	0.0	0.0	1.63
		0.49	0.0	-2.96e-03	0.0	35.0	-1351.55	-3.27	0.0	0.0	0.0	0.49
89	8	1.26	0.0	8.37e-04	0.0	0.0	-1045.45	-2.51	0.0	0.0	0.0	1.26
		0.38	0.0	-2.27e-03	0.0	35.0	-1042.30	-2.51	0.0	0.0	0.0	0.38
89	9	1.15	0.0	7.64e-04	0.0	0.0	-964.02	-2.30	0.0	0.0	0.0	1.15
		0.34	0.0	-2.08e-03	0.0	35.0	-960.87	-2.30	0.0	0.0	0.0	0.34
89	10	1.17	0.0	7.76e-04	0.0	0.0	-966.86	-2.33	0.0	0.0	0.0	1.17
		0.35	0.0	-2.11e-03	0.0	35.0	-963.71	-2.33	0.0	0.0	0.0	0.35
89	11	1.62	0.0	1.07e-03	0.0	0.0	-962.64	-3.23	0.0	0.0	0.0	1.62
		0.48	0.0	-2.93e-03	0.0	35.0	-959.49	-3.23	0.0	0.0	0.0	0.48
90	1	0.52	0.0	4.58e-04	0.0	0.0	-1350.81	-3.43	0.0	0.0	0.0	0.52
		0.0	0.0	-1.14e-03	0.0	15.0	-1350.81	-3.43	0.0	0.0	0.0	0.0
90	2	0.51	0.0	4.57e-04	0.0	0.0	-1349.49	-3.43	0.0	0.0	0.0	0.51
		0.0	0.0	-1.14e-03	0.0	15.0	-1349.49	-3.43	0.0	0.0	0.0	0.0
90	3	0.52	0.0	4.67e-04	0.0	0.0	-1355.93	-3.47	0.0	0.0	0.0	0.52
		0.0	0.0	-1.18e-03	0.0	15.0	-1355.93	-3.47	0.0	0.0	0.0	0.0
90	4	0.59	0.0	6.80e-04	0.0	0.0	-1355.32	-3.92	0.0	0.0	0.0	0.59
		0.0	0.0	-2.27e-03	0.0	15.0	-1355.32	-3.92	0.0	0.0	0.0	0.0
90	5	0.60	0.0	7.06e-04	0.0	0.0	-1364.22	-4.02	0.0	0.0	0.0	0.60
		0.0	0.0	-2.38e-03	0.0	15.0	-1364.22	-4.02	0.0	0.0	0.0	0.0
90	6	0.60	0.0	6.95e-04	0.0	0.0	-1348.33	-4.02	0.0	0.0	0.0	0.60
		0.0	0.0	-2.31e-03	0.0	15.0	-1348.33	-4.02	0.0	0.0	0.0	0.0
90	7	0.52	0.0	4.66e-04	0.0	0.0	-1351.55	-3.48	0.0	0.0	0.0	0.52
		0.0	0.0	-1.17e-03	0.0	15.0	-1351.55	-3.48	0.0	0.0	0.0	0.0
90	8	0.40	0.0	3.59e-04	0.0	0.0	-1042.30	-2.67	0.0	0.0	0.0	0.40
		0.0	0.0	-9.02e-04	0.0	15.0	-1042.30	-2.67	0.0	0.0	0.0	0.0
90	9	0.37	0.0	3.28e-04	0.0	0.0	-960.87	-2.45	0.0	0.0	0.0	0.37
		0.0	0.0	-8.21e-04	0.0	15.0	-960.87	-2.45	0.0	0.0	0.0	0.0
90	10	0.37	0.0	3.33e-04	0.0	0.0	-963.71	-2.47	0.0	0.0	0.0	0.37
		0.0	0.0	-8.41e-04	0.0	15.0	-963.71	-2.47	0.0	0.0	0.0	0.0
90	11	0.42	0.0	4.59e-04	0.0	0.0	-959.49	-2.78	0.0	0.0	0.0	0.42
		0.0	0.0	-1.47e-03	0.0	15.0	-959.49	-2.78	0.0	0.0	0.0	0.0
91	1	-0.02	0.0	-9.02e-04	0.0	0.0	-1348.71	0.14	0.0	0.0	0.0	-0.02
		-0.07	0.0	2.33e-03	0.0	35.0	-1344.46	0.14	0.0	0.0	0.0	-0.02
91	2	6.43e-03	0.0	-1.45e-05	0.0	0.0	-1470.46	-0.01	0.0	0.0	0.0	6.43e-03
		1.96e-03	0.0	-9.54e-05	0.0	35.0	-1466.21	-0.01	0.0	0.0	0.0	1.96e-03
91	3	0.12	0.0	-1.33e-03	0.0	0.0	-1443.18	-0.25	0.0	0.0	0.0	0.12
		0.04	0.0	-3.76e-03	0.0	35.0	-1438.93	-0.25	0.0	0.0	0.0	0.04
91	4	-0.03	0.0	-1.29e-03	0.0	0.0	-1412.98	0.21	0.0	0.0	0.0	-0.11
		-0.11	0.0	3.37e-03	0.0	35.0	-1408.72	0.21	0.0	0.0	0.0	-0.03
91	5	-0.03	0.0	-1.33e-03	0.0	0.0	-1353.78	0.22	0.0	0.0	0.0	-0.11
		-0.11	0.0	3.46e-03	0.0	35.0	-1349.53	0.22	0.0	0.0	0.0	-0.03
91	6	-0.03	0.0	-1.34e-03	0.0	0.0	-1350.16	0.22	0.0	0.0	0.0	-0.11
		-0.11	0.0	3.49e-03	0.0	35.0	-1345.90	0.22	0.0	0.0	0.0	-0.03

91	7	-0.03	0.0	-1.27e-03	0.0	0.0	-1349.11	0.21	0.0	0.0	0.0	-0.10
		-0.10	0.0	3.31e-03	0.0	35.0	-1344.86	0.21	0.0	0.0	0.0	-0.03
91	8	0.11	0.0	-1.21e-03	0.0	0.0	-1110.92	-0.22	0.0	0.0	0.0	0.11
		0.03	0.0	-3.44e-03	0.0	35.0	-1107.77	-0.22	0.0	0.0	0.0	0.03
91	9	-0.02	0.0	-6.87e-04	0.0	0.0	-965.61	0.11	0.0	0.0	0.0	-0.06
		-0.06	0.0	1.79e-03	0.0	35.0	-962.46	0.11	0.0	0.0	0.0	-0.02
91	10	0.05	0.0	-5.51e-04	0.0	0.0	-1018.10	-0.11	0.0	0.0	0.0	0.05
		0.02	0.0	-1.60e-03	0.0	35.0	-1014.95	-0.11	0.0	0.0	0.0	0.02
91	11	-0.02	0.0	-9.28e-04	0.0	0.0	-966.42	0.15	0.0	0.0	0.0	-0.08
		-0.08	0.0	2.43e-03	0.0	35.0	-963.27	0.15	0.0	0.0	0.0	-0.02
92	1	2.02	0.0	-3.87e-04	0.0	0.0	-1344.45	-13.47	0.0	0.0	0.0	2.02
		0.0	0.0	1.97e-03	0.0	15.0	-1344.45	-13.47	0.0	0.0	0.0	0.0
92	2	4.78	0.0	-6.21e-06	0.0	0.0	-1466.21	-31.88	0.0	0.0	0.0	4.78
		0.0	0.0	2.22e-03	0.0	15.0	-1466.21	-31.88	0.0	0.0	0.0	0.0
92	3	7.30	0.0	-5.69e-04	0.0	0.0	-1438.93	-48.69	0.0	0.0	0.0	7.30
		0.0	0.0	-1.83e-03	0.0	15.0	-1438.93	-48.69	0.0	0.0	0.0	0.0
92	4	0.04	0.0	-5.54e-04	0.0	0.0	-1408.72	-0.29	0.0	0.0	0.0	0.04
		0.0	0.0	1.48e-03	0.0	15.0	-1408.72	-0.29	0.0	0.0	0.0	0.0
92	5	0.13	0.0	-5.68e-04	0.0	0.0	-1349.53	-0.89	0.0	0.0	0.0	0.13
		0.0	0.0	1.56e-03	0.0	15.0	-1349.53	-0.89	0.0	0.0	0.0	0.0
92	6	0.14	0.0	-5.72e-04	0.0	0.0	-1345.90	-0.94	0.0	0.0	0.0	0.14
		0.0	0.0	1.58e-03	0.0	15.0	-1345.90	-0.94	0.0	0.0	0.0	0.0
92	7	0.16	0.0	-5.45e-04	0.0	0.0	-1344.86	-1.06	0.0	0.0	0.0	0.16
		0.0	0.0	1.51e-03	0.0	15.0	-1344.86	-1.06	0.0	0.0	0.0	0.0
92	8	6.21	0.0	-5.20e-04	0.0	0.0	-1107.77	-41.42	0.0	0.0	0.0	6.21
		0.0	0.0	-1.45e-03	0.0	15.0	-1107.77	-41.42	0.0	0.0	0.0	0.0
92	9	1.14	0.0	-2.94e-04	0.0	0.0	-962.46	-7.63	0.0	0.0	0.0	1.14
		0.0	0.0	1.32e-03	0.0	15.0	-962.46	-7.63	0.0	0.0	0.0	0.0
92	10	4.08	0.0	-2.36e-04	0.0	0.0	-1014.95	-27.20	0.0	0.0	0.0	4.08
		0.0	0.0	-1.24e-03	0.0	15.0	-1014.95	-27.20	0.0	0.0	0.0	0.0
92	11	0.10	0.0	-3.98e-04	0.0	0.0	-963.27	-0.67	0.0	0.0	0.0	0.10
		0.0	0.0	1.10e-03	0.0	15.0	-963.27	-0.67	0.0	0.0	0.0	0.0
93	1	0.0	0.0	2.04e-05	0.0	0.0	-1638.22	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.52e-06	0.0	35.0	-1633.97	0.0	0.0	0.0	0.0	0.0
93	2	0.0	0.0	2.60e-05	0.0	0.0	-1696.14	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	8.58e-06	0.0	35.0	-1691.89	0.0	0.0	0.0	0.0	0.0
93	3	0.0	0.0	4.25e-05	0.0	0.0	-2452.53	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.60e-05	0.0	35.0	-2448.28	0.0	0.0	0.0	0.0	0.0
93	4	0.0	0.0	-2.80e-06	0.0	0.0	-1703.22	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.05e-06	0.0	35.0	-1698.97	0.0	0.0	0.0	0.0	0.0
93	5	0.0	0.0	1.09e-05	0.0	0.0	-1642.79	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.27e-06	0.0	35.0	-1638.54	0.0	0.0	0.0	0.0	0.0
93	6	0.0	0.0	1.78e-05	0.0	0.0	-1641.12	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.36e-06	0.0	35.0	-1636.87	0.0	0.0	0.0	0.0	0.0
93	7	0.0	0.0	1.92e-05	0.0	0.0	-1637.38	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.48e-06	0.0	35.0	-1633.13	0.0	0.0	0.0	0.0	0.0
93	8	0.0	0.0	3.45e-05	0.0	0.0	-1946.94	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.30e-05	0.0	35.0	-1943.79	0.0	0.0	0.0	0.0	0.0
93	9	0.0	0.0	1.44e-05	0.0	0.0	-1171.04	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.40e-06	0.0	35.0	-1167.89	0.0	0.0	0.0	0.0	0.0
93	10	0.0	0.0	2.67e-05	0.0	0.0	-1623.44	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.01e-05	0.0	35.0	-1620.29	0.0	0.0	0.0	0.0	0.0
93	11	0.0	0.0	1.30e-05	0.0	0.0	-1172.66	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.75e-06	0.0	35.0	-1169.51	0.0	0.0	0.0	0.0	0.0
94	1	0.0	0.0	-6.78e-04	0.0	0.0	-1633.97	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	4.80e-06	0.0	15.0	-1633.97	0.0	0.0	0.0	0.0	0.0
94	2	0.0	0.0	1.76e-03	0.0	0.0	-1691.89	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.03e-04	0.0	15.0	-1691.89	0.0	0.0	0.0	0.0	0.0
94	3	0.0	0.0	4.37e-03	0.0	0.0	-2448.28	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.87e-04	0.0	15.0	-2448.28	0.0	0.0	0.0	0.0	0.0
94	4	0.0	0.0	-1.33e-03	0.0	0.0	-1698.97	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.36e-05	0.0	15.0	-1698.97	0.0	0.0	0.0	0.0	0.0
94	5	0.0	0.0	-1.61e-03	0.0	0.0	-1638.54	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.53e-06	0.0	15.0	-1638.54	0.0	0.0	0.0	0.0	0.0
94	6	0.0	0.0	-1.76e-03	0.0	0.0	-1636.87	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.42e-05	0.0	15.0	-1636.87	0.0	0.0	0.0	0.0	0.0
94	7	0.0	0.0	-1.65e-03	0.0	0.0	-1633.13	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	8.68e-06	0.0	15.0	-1633.13	0.0	0.0	0.0	0.0	0.0
94	8	0.0	0.0	3.40e-03	0.0	0.0	-1943.79	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.27e-04	0.0	15.0	-1943.79	0.0	0.0	0.0	0.0	0.0
94	9	0.0	0.0	-4.20e-04	0.0	0.0	-1167.89	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.64e-06	0.0	15.0	-1167.89	0.0	0.0	0.0	0.0	0.0

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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94	10	0.0	0.0	2.39e-03	0.0	0.0	-1620.29	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.16e-04	0.0	15.0	-1620.29	0.0	0.0	0.0	0.0	0.0
94	11	0.0	0.0	-1.02e-03	0.0	0.0	-1169.51	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.24e-05	0.0	15.0	-1169.51	0.0	0.0	0.0	0.0	0.0
95	1	0.0	0.0	2.16e-06	0.0	0.0	-1323.69	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.49e-06	0.0	35.0	-1319.43	0.0	0.0	0.0	0.0	0.0
95	2	0.0	0.0	2.74e-06	0.0	0.0	-1327.74	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	6.34e-06	0.0	35.0	-1323.48	0.0	0.0	0.0	0.0	0.0
95	3	0.0	0.0	1.38e-05	0.0	0.0	-1399.80	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.79e-06	0.0	35.0	-1395.55	0.0	0.0	0.0	0.0	0.0
95	4	0.0	0.0	-2.42e-05	0.0	0.0	-2041.55	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.60e-05	0.0	35.0	-2037.30	0.0	0.0	0.0	0.0	0.0
95	5	0.0	0.0	1.28e-05	0.0	0.0	-1563.17	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.22e-05	0.0	35.0	-1558.92	0.0	0.0	0.0	0.0	0.0
95	6	0.0	0.0	4.63e-06	0.0	0.0	-1323.20	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	8.48e-06	0.0	35.0	-1318.95	0.0	0.0	0.0	0.0	0.0
95	7	0.0	0.0	3.49e-06	0.0	0.0	-1322.98	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	7.42e-06	0.0	35.0	-1318.73	0.0	0.0	0.0	0.0	0.0
95	8	0.0	0.0	1.21e-05	0.0	0.0	-1076.86	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	2.59e-06	0.0	35.0	-1073.71	0.0	0.0	0.0	0.0	0.0
95	9	0.0	0.0	1.79e-06	0.0	0.0	-946.88	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.34e-06	0.0	35.0	-943.73	0.0	0.0	0.0	0.0	0.0
95	10	0.0	0.0	7.08e-06	0.0	0.0	-989.16	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	3.29e-06	0.0	35.0	-986.01	0.0	0.0	0.0	0.0	0.0
95	11	0.0	0.0	3.16e-06	0.0	0.0	-946.61	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	5.89e-06	0.0	35.0	-943.46	0.0	0.0	0.0	0.0	0.0
96	1	0.0	0.0	-1.51e-03	0.0	0.0	-1319.43	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.18e-04	0.0	15.0	-1319.43	0.0	0.0	0.0	0.0	0.0
96	2	0.0	0.0	-1.61e-03	0.0	0.0	-1323.48	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.23e-04	0.0	15.0	-1323.48	0.0	0.0	0.0	0.0	0.0
96	3	0.0	0.0	-1.71e-03	0.0	0.0	-1395.55	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.35e-04	0.0	15.0	-1395.55	0.0	0.0	0.0	0.0	0.0
96	4	0.0	0.0	-8.63e-05	0.0	0.0	-2037.30	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.55e-04	0.0	15.0	-2037.30	0.0	0.0	0.0	0.0	0.0
96	5	0.0	0.0	-5.42e-04	0.0	0.0	-1558.92	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-3.08e-04	0.0	15.0	-1558.92	0.0	0.0	0.0	0.0	0.0
96	6	0.0	0.0	1.42e-04	0.0	0.0	-1318.95	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-2.73e-04	0.0	15.0	-1318.95	0.0	0.0	0.0	0.0	0.0
96	7	0.0	0.0	-1.40e-03	0.0	0.0	-1318.73	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.23e-04	0.0	15.0	-1318.73	0.0	0.0	0.0	0.0	0.0
96	8	0.0	0.0	-1.23e-03	0.0	0.0	-1073.71	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	1.04e-04	0.0	15.0	-1073.71	0.0	0.0	0.0	0.0	0.0
96	9	0.0	0.0	-1.10e-03	0.0	0.0	-943.73	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-8.56e-05	0.0	15.0	-943.73	0.0	0.0	0.0	0.0	0.0
96	10	0.0	0.0	-1.21e-03	0.0	0.0	-986.01	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	9.52e-05	0.0	15.0	-986.01	0.0	0.0	0.0	0.0	0.0
96	11	0.0	0.0	-1.85e-04	0.0	0.0	-943.46	0.0	0.0	0.0	0.0	0.0
		0.0	0.0	-1.72e-04	0.0	15.0	-943.46	0.0	0.0	0.0	0.0	0.0
97	1	32.01	11.50	1.04e-03	0.0	0.0	-1528.47	-64.03	-23.00	0.0	11.50	32.01
		9.60	3.45	-2.80e-03	0.0	35.0	-1524.22	-64.03	-23.00	0.0	3.45	9.60
97	2	31.43	11.29	1.04e-03	0.0	0.0	-1529.92	-62.87	-22.57	0.0	11.29	31.43
		9.43	3.39	-2.80e-03	0.0	35.0	-1525.67	-62.87	-22.57	0.0	3.39	9.43
97	3	33.23	11.94	1.07e-03	0.0	0.0	-1590.53	-66.47	-23.88	0.0	11.94	33.23
		9.97	3.58	-2.87e-03	0.0	35.0	-1586.28	-66.47	-23.88	0.0	3.58	9.97
97	4	-13.24	-4.89	1.66e-03	0.0	0.0	-1589.12	88.25	32.60	0.0	-16.30	-44.13
		-44.13	-16.30	-4.56e-03	0.0	35.0	-1584.86	88.25	32.60	0.0	-4.89	-13.24
97	5	-15.99	-5.89	1.73e-03	0.0	0.0	-1679.73	106.61	39.30	0.0	-19.65	-53.31
		-53.31	-19.65	-4.74e-03	0.0	35.0	-1675.48	106.61	39.30	0.0	-5.89	-15.99
97	6	-16.18	-5.96	1.69e-03	0.0	0.0	-1521.23	107.84	39.73	0.0	-19.87	-53.92
		-53.92	-19.87	-4.65e-03	0.0	35.0	-1516.98	107.84	39.73	0.0	-5.96	-16.18
97	7	31.52	11.32	1.06e-03	0.0	0.0	-1528.41	-63.04	-22.63	0.0	11.32	31.52
		9.46	3.39	-2.86e-03	0.0	35.0	-1524.16	-63.04	-22.63	0.0	3.39	9.46
97	8	25.75	9.25	8.18e-04	0.0	0.0	-1221.20	-51.50	-18.50	0.0	9.25	25.75
		7.73	2.78	-2.20e-03	0.0	35.0	-1218.05	-51.50	-18.50	0.0	2.78	7.73
97	9	22.62	8.12	7.46e-04	0.0	0.0	-1093.69	-45.23	-16.24	0.0	8.12	22.62
		6.78	2.44	-2.01e-03	0.0	35.0	-1090.54	-45.23	-16.24	0.0	2.44	6.78
97	10	23.29	8.37	7.59e-04	0.0	0.0	-1128.17	-46.59	-16.73	0.0	8.37	23.29
		6.99	2.51	-2.04e-03	0.0	35.0	-1125.02	-46.59	-16.73	0.0	2.51	6.99
97	11	-7.54	-2.79	1.11e-03	0.0	0.0	-1089.66	50.25	18.61	0.0	-9.30	-25.12
		-25.12	-9.30	-3.04e-03	0.0	35.0	-1086.51	50.25	18.61	0.0	-2.79	-7.54
98	1	9.60	3.45	4.48e-04	0.0	0.0	-1524.22	-64.03	-22.99	0.0	3.45	9.60
		0.0	0.0	-1.20e-03	0.0	15.0	-1524.22	-64.03	-22.99	0.0	0.0	0.0

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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98	2	9.43	3.39	4.47e-04	0.0	0.0	-1525.67	-62.87	-22.57	0.0	3.39	9.43
		0.0	0.0	-1.20e-03	0.0	15.0	-1525.67	-62.87	-22.57	0.0	0.0	0.0
98	3	9.97	3.58	4.58e-04	0.0	0.0	-1586.28	-66.47	-23.88	0.0	3.58	9.97
		0.0	0.0	-1.23e-03	0.0	15.0	-1586.28	-66.47	-23.88	0.0	0.0	0.0
98	4	0.0	0.0	7.10e-04	0.0	0.0	-1584.86	88.25	32.60	0.0	-4.89	-13.24
		-13.24	-4.89	-1.95e-03	0.0	15.0	-1584.86	88.25	32.60	0.0	0.0	0.0
98	5	0.0	0.0	7.38e-04	0.0	0.0	-1675.48	106.61	39.30	0.0	-5.89	-15.99
		-15.99	-5.89	-2.03e-03	0.0	15.0	-1675.48	106.61	39.30	0.0	0.0	0.0
98	6	0.0	0.0	7.24e-04	0.0	0.0	-1516.98	107.84	39.73	0.0	-5.96	-16.18
		-16.18	-5.96	-1.99e-03	0.0	15.0	-1516.98	107.84	39.73	0.0	0.0	0.0
98	7	9.46	3.39	4.56e-04	0.0	0.0	-1524.16	-63.04	-22.63	0.0	3.39	9.46
		0.0	0.0	-1.22e-03	0.0	15.0	-1524.16	-63.04	-22.63	0.0	0.0	0.0
98	8	7.73	2.78	3.52e-04	0.0	0.0	-1218.05	-51.50	-18.50	0.0	2.78	7.73
		0.0	0.0	-9.41e-04	0.0	15.0	-1218.05	-51.50	-18.50	0.0	0.0	0.0
98	9	6.78	2.44	3.20e-04	0.0	0.0	-1090.54	-45.23	-16.24	0.0	2.44	6.78
		0.0	0.0	-8.60e-04	0.0	15.0	-1090.54	-45.23	-16.24	0.0	0.0	0.0
98	10	6.99	2.51	3.26e-04	0.0	0.0	-1125.02	-46.59	-16.73	0.0	2.51	6.99
		0.0	0.0	-8.75e-04	0.0	15.0	-1125.02	-46.59	-16.73	0.0	0.0	0.0
98	11	0.0	0.0	4.74e-04	0.0	0.0	-1086.51	50.25	18.61	0.0	-2.79	-7.54
		-7.54	-2.79	-1.30e-03	0.0	15.0	-1086.51	50.25	18.61	0.0	0.0	0.0
99	1	143.77	52.34	-1.12e-03	0.0	0.0	-1714.58	-287.54	-104.68	0.0	52.34	143.77
		43.13	15.70	3.02e-03	0.0	35.0	-1710.33	-287.54	-104.68	0.0	15.70	43.13
99	2	278.73	101.42	-5.03e-04	0.0	0.0	-1853.02	-557.45	-202.84	0.0	101.42	278.73
		83.62	30.43	1.42e-03	0.0	35.0	-1848.77	-557.45	-202.84	0.0	30.43	83.62
99	3	447.94	162.95	-6.10e-04	0.0	0.0	-1674.13	-895.88	-325.91	0.0	162.95	447.94
		134.38	48.89	-1.53e-03	0.0	35.0	-1669.87	-895.88	-325.91	0.0	48.89	134.38
99	4	8.22	3.03	-1.32e-03	0.0	0.0	-1678.02	-16.43	-6.05	0.0	3.03	8.22
		2.47	0.91	3.46e-03	0.0	35.0	-1673.77	-16.43	-6.05	0.0	0.91	2.47
99	5	14.15	5.19	-1.36e-03	0.0	0.0	-1659.95	-28.29	-10.37	0.0	5.19	14.15
		4.24	1.56	3.58e-03	0.0	35.0	-1655.70	-28.29	-10.37	0.0	1.56	4.24
99	6	19.82	7.25	-1.37e-03	0.0	0.0	-1635.15	-39.64	-14.50	0.0	7.25	19.82
		5.95	2.17	3.61e-03	0.0	35.0	-1630.90	-39.64	-14.50	0.0	2.17	5.95
99	7	17.29	6.33	-1.31e-03	0.0	0.0	-1635.37	-34.59	-12.66	0.0	6.33	17.29
		5.19	1.90	3.43e-03	0.0	35.0	-1631.12	-34.59	-12.66	0.0	1.90	5.19
99	8	381.08	138.63	-6.05e-04	0.0	0.0	-1286.08	-762.16	-277.26	0.0	138.63	381.08
		114.32	41.59	-1.54e-03	0.0	35.0	-1282.93	-762.16	-277.26	0.0	41.59	114.32
99	9	81.83	29.80	-8.11e-04	0.0	0.0	-1210.96	-163.67	-59.59	0.0	29.80	81.83
		24.55	8.94	2.19e-03	0.0	35.0	-1207.81	-163.67	-59.59	0.0	8.94	24.55
99	10	250.82	91.25	-1.47e-04	0.0	0.0	-1188.48	-501.63	-182.50	0.0	91.25	250.82
		75.24	27.37	-3.43e-04	0.0	35.0	-1185.33	-501.63	-182.50	0.0	27.37	75.24
99	11	12.97	4.75	-9.54e-04	0.0	0.0	-1166.83	-25.94	-9.49	0.0	4.75	12.97
		3.89	1.42	2.51e-03	0.0	35.0	-1163.68	-25.94	-9.49	0.0	1.42	3.89
100	1	43.13	15.70	-4.72e-04	0.0	0.0	-1710.33	-287.54	-104.68	0.0	15.70	43.13
		0.0	0.0	1.30e-03	0.0	15.0	-1710.33	-287.54	-104.68	0.0	0.0	0.0
100	2	83.62	30.43	-2.04e-04	0.0	0.0	-1848.77	-557.45	-202.84	0.0	30.43	83.62
		0.0	0.0	6.12e-04	0.0	15.0	-1848.77	-557.45	-202.84	0.0	0.0	0.0
100	3	134.38	48.89	-2.80e-04	0.0	0.0	-1669.87	-895.88	-325.91	0.0	48.89	134.38
		0.0	0.0	-6.50e-04	0.0	15.0	-1669.87	-895.88	-325.91	0.0	0.0	0.0
100	4	2.47	0.91	-5.65e-04	0.0	0.0	-1673.77	-16.43	-6.05	0.0	0.91	2.47
		0.0	0.0	1.48e-03	0.0	15.0	-1673.77	-16.43	-6.05	0.0	0.0	0.0
100	5	4.24	1.56	-5.84e-04	0.0	0.0	-1655.70	-28.29	-10.37	0.0	1.56	4.24
		0.0	0.0	1.54e-03	0.0	15.0	-1655.70	-28.29	-10.37	0.0	0.0	0.0
100	6	5.95	2.17	-5.87e-04	0.0	0.0	-1630.90	-39.64	-14.50	0.0	2.17	5.95
		0.0	0.0	1.55e-03	0.0	15.0	-1630.90	-39.64	-14.50	0.0	0.0	0.0
100	7	5.19	1.90	-5.60e-04	0.0	0.0	-1631.12	-34.59	-12.66	0.0	1.90	5.19
		0.0	0.0	1.47e-03	0.0	15.0	-1631.12	-34.59	-12.66	0.0	0.0	0.0
100	8	114.32	41.59	-2.75e-04	0.0	0.0	-1282.93	-762.16	-277.26	0.0	41.59	114.32
		0.0	0.0	-6.56e-04	0.0	15.0	-1282.93	-762.16	-277.26	0.0	0.0	0.0
100	9	24.55	8.94	-3.44e-04	0.0	0.0	-1207.81	-163.67	-59.59	0.0	8.94	24.55
		0.0	0.0	9.38e-04	0.0	15.0	-1207.81	-163.67	-59.59	0.0	0.0	0.0
100	10	75.24	27.37	-7.35e-05	0.0	0.0	-1185.33	-501.63	-182.50	0.0	27.37	75.24
		0.0	0.0	-1.43e-04	0.0	15.0	-1185.33	-501.63	-182.50	0.0	0.0	0.0
100	11	3.89	1.42	-4.08e-04	0.0	0.0	-1163.68	-25.94	-9.49	0.0	1.42	3.89
		0.0	0.0	1.08e-03	0.0	15.0	-1163.68	-25.94	-9.49	0.0	0.0	0.0
101	1	0.0	-8.72	2.48e-05	0.0	0.0	-1614.72	0.0	58.16	0.0	-29.08	0.0
		0.0	-29.08	2.47e-06	0.0	35.0	-1610.47	0.0	58.16	0.0	-8.72	0.0
101	2	0.0	53.20	3.31e-05	0.0	0.0	-1746.29	0.0	-106.40	0.0	53.20	0.0
		0.0	15.96	1.72e-05	0.0	35.0	-1742.04	0.0	-106.40	0.0	15.96	0.0
101	3	0.0	264.34	4.65e-05	0.0	0.0	-2309.28	0.0	-528.68	0.0	264.34	0.0
		0.0	79.30	6.08e-05	0.0	35.0	-2305.03	0.0	-528.68	0.0	79.30	0.0
101	4	0.0	5.71	9.05e-06	0.0	0.0	-1679.45	0.0	-11.41	0.0	5.71	0.0
		0.0	1.71	7.20e-06	0.0	35.0	-1675.19	0.0	-11.41	0.0	1.71	0.0

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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101	5	0.0	-3.55	1.69e-05	0.0	0.0	-1621.27	0.0	23.68	0.0	-11.84	0.0
		0.0	-11.84	2.32e-06	0.0	35.0	-1617.02	0.0	23.68	0.0	-3.55	0.0
101	6	0.0	-8.74	2.37e-05	0.0	0.0	-1612.69	0.0	58.29	0.0	-29.15	0.0
		0.0	-29.15	1.20e-06	0.0	35.0	-1608.44	0.0	58.29	0.0	-8.74	0.0
101	7	0.0	-6.92	2.44e-05	0.0	0.0	-1615.77	0.0	46.12	0.0	-23.06	0.0
		0.0	-23.06	4.07e-06	0.0	35.0	-1611.52	0.0	46.12	0.0	-6.92	0.0
101	8	0.0	224.61	3.75e-05	0.0	0.0	-1829.51	0.0	-449.21	0.0	224.61	0.0
		0.0	67.38	5.10e-05	0.0	35.0	-1826.36	0.0	-449.21	0.0	67.38	0.0
101	9	0.0	-5.32	1.77e-05	0.0	0.0	-1151.69	0.0	35.43	0.0	-17.72	0.0
		0.0	-17.72	2.42e-06	0.0	35.0	-1148.54	0.0	35.43	0.0	-5.32	0.0
101	10	0.0	145.29	2.97e-05	0.0	0.0	-1537.56	0.0	-290.59	0.0	145.29	0.0
		0.0	43.59	3.48e-05	0.0	35.0	-1534.41	0.0	-290.59	0.0	43.59	0.0
101	11	0.0	-5.33	1.70e-05	0.0	0.0	-1150.56	0.0	35.51	0.0	-17.75	0.0
		0.0	-17.75	1.46e-06	0.0	35.0	-1147.41	0.0	35.51	0.0	-5.33	0.0
102	1	0.0	0.0	-9.23e-04	0.0	0.0	-1610.47	0.0	47.61	0.0	-7.14	0.0
		0.0	-7.14	0.0	0.0	15.0	-1610.47	0.0	47.61	0.0	0.0	0.0
102	2	0.0	13.82	1.28e-03	0.0	0.0	-1742.04	0.0	-92.14	0.0	13.82	0.0
		0.0	0.0	9.57e-06	0.0	15.0	-1742.04	0.0	-92.14	0.0	0.0	0.0
102	3	0.0	73.66	3.35e-03	0.0	0.0	-2305.03	0.0	-491.06	0.0	73.66	0.0
		0.0	0.0	3.70e-05	0.0	15.0	-2305.03	0.0	-491.06	0.0	0.0	0.0
102	4	0.0	4.36	-1.56e-03	0.0	0.0	-1675.20	0.0	-29.07	0.0	4.36	0.0
		0.0	0.0	3.32e-06	0.0	15.0	-1675.20	0.0	-29.07	0.0	0.0	0.0
102	5	0.0	0.0	-1.80e-03	0.0	0.0	-1617.02	0.0	3.25	0.0	-0.49	0.0
		0.0	-0.49	0.0	0.0	15.0	-1617.02	0.0	3.25	0.0	0.0	0.0
102	6	0.0	0.0	-1.94e-03	0.0	0.0	-1608.44	0.0	36.29	0.0	-5.44	0.0
		0.0	-5.44	0.0	0.0	15.0	-1608.44	0.0	36.29	0.0	0.0	0.0
102	7	0.0	0.0	-1.86e-03	0.0	0.0	-1611.52	0.0	24.95	0.0	-3.74	0.0
		0.0	-3.74	0.0	0.0	15.0	-1611.52	0.0	24.95	0.0	0.0	0.0
102	8	0.0	63.08	2.55e-03	0.0	0.0	-1826.36	0.0	-420.55	0.0	63.08	0.0
		0.0	0.0	3.12e-05	0.0	15.0	-1826.36	0.0	-420.55	0.0	0.0	0.0
102	9	0.0	0.0	-5.93e-04	0.0	0.0	-1148.54	0.0	28.65	0.0	-4.30	0.0
		0.0	-4.30	0.0	0.0	15.0	-1148.54	0.0	28.65	0.0	0.0	0.0
102	10	0.0	40.59	1.78e-03	0.0	0.0	-1534.41	0.0	-270.61	0.0	40.59	0.0
		0.0	0.0	2.10e-05	0.0	15.0	-1534.41	0.0	-270.61	0.0	0.0	0.0
102	11	0.0	0.0	-1.16e-03	0.0	0.0	-1147.41	0.0	22.36	0.0	-3.35	0.0
		0.0	-3.35	0.0	0.0	15.0	-1147.41	0.0	22.36	0.0	0.0	0.0
103	1	0.0	-30.10	0.0	0.0	0.0	-1592.21	0.0	200.67	0.0	-100.33	0.0
		0.0	-100.33	2.47e-05	0.0	35.0	-1587.96	0.0	200.67	0.0	-30.10	0.0
103	2	0.0	-33.26	5.75e-06	0.0	0.0	-1617.42	0.0	221.75	0.0	-110.87	0.0
		0.0	-110.87	2.47e-05	0.0	35.0	-1613.17	0.0	221.75	0.0	-33.26	0.0
103	3	0.0	-45.80	1.48e-05	0.0	0.0	-1640.35	0.0	305.35	0.0	-152.68	0.0
		0.0	-152.68	2.45e-05	0.0	35.0	-1636.10	0.0	305.35	0.0	-45.80	0.0
103	4	0.0	-62.10	2.42e-05	0.0	0.0	-2377.18	0.0	414.01	0.0	-207.01	0.0
		0.0	-207.01	-4.58e-05	0.0	35.0	-2372.92	0.0	414.01	0.0	-62.10	0.0
103	5	0.0	-78.12	1.31e-05	0.0	0.0	-1903.23	0.0	520.80	0.0	-260.40	0.0
		0.0	-260.40	-5.32e-05	0.0	35.0	-1898.98	0.0	520.80	0.0	-78.12	0.0
103	6	0.0	-67.55	3.45e-06	0.0	0.0	-1588.16	0.0	450.33	0.0	-225.17	0.0
		0.0	-225.17	4.50e-05	0.0	35.0	-1583.91	0.0	450.33	0.0	-67.55	0.0
103	7	0.0	-31.21	1.11e-06	0.0	0.0	-1593.20	0.0	208.07	0.0	-104.04	0.0
		0.0	-104.04	2.45e-05	0.0	35.0	-1588.95	0.0	208.07	0.0	-31.21	0.0
103	8	0.0	-36.02	1.27e-05	0.0	0.0	-1261.78	0.0	240.17	0.0	-120.08	0.0
		0.0	-120.08	1.87e-05	0.0	35.0	-1258.63	0.0	240.17	0.0	-36.02	0.0
103	9	0.0	-21.91	0.0	0.0	0.0	-1135.43	0.0	146.06	0.0	-73.03	0.0
		0.0	-73.03	1.76e-05	0.0	35.0	-1132.28	0.0	146.06	0.0	-21.91	0.0
103	10	0.0	-30.63	8.01e-06	0.0	0.0	-1162.17	0.0	204.22	0.0	-102.11	0.0
		0.0	-102.11	1.76e-05	0.0	35.0	-1159.02	0.0	204.22	0.0	-30.63	0.0
103	11	0.0	-42.71	2.11e-06	0.0	0.0	-1133.18	0.0	284.76	0.0	-142.38	0.0
		0.0	-142.38	2.89e-05	0.0	35.0	-1130.03	0.0	284.76	0.0	-42.71	0.0
104	1	0.0	0.0	-1.62e-03	0.0	0.0	-1587.96	0.0	182.74	0.0	-27.41	0.0
		0.0	-27.41	1.48e-05	0.0	15.0	-1587.96	0.0	182.74	0.0	0.0	0.0
104	2	0.0	0.0	-1.72e-03	0.0	0.0	-1613.17	0.0	202.60	0.0	-30.39	0.0
		0.0	-30.39	1.52e-05	0.0	15.0	-1613.17	0.0	202.60	0.0	0.0	0.0
104	3	0.0	0.0	-1.74e-03	0.0	0.0	-1636.10	0.0	286.01	0.0	-42.90	0.0
		0.0	-42.90	1.69e-05	0.0	15.0	-1636.10	0.0	286.01	0.0	0.0	0.0
104	4	0.0	0.0	2.89e-04	0.0	0.0	-2372.92	0.0	417.33	0.0	-62.60	0.0
		0.0	-62.60	-2.82e-05	0.0	15.0	-2372.92	0.0	417.33	0.0	0.0	0.0
104	5	0.0	0.0	-3.73e-04	0.0	0.0	-1898.98	0.0	516.73	0.0	-77.51	0.0
		0.0	-77.51	-3.36e-05	0.0	15.0	-1898.98	0.0	516.73	0.0	0.0	0.0
104	6	0.0	0.0	3.32e-04	0.0	0.0	-1583.91	0.0	454.02	0.0	-68.10	0.0
		0.0	-68.10	-2.86e-05	0.0	15.0	-1583.91	0.0	454.02	0.0	0.0	0.0
104	7	0.0	0.0	-1.48e-03	0.0	0.0	-1588.95	0.0	191.65	0.0	-28.75	0.0
		0.0	-28.75	1.48e-05	0.0	15.0	-1588.95	0.0	191.65	0.0	0.0	0.0

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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104	8	0.0	0.0	-1.25e-03	0.0	0.0	-1258.63	0.0	226.22	0.0	-33.93	0.0
		0.0	-33.93	1.30e-05	0.0	15.0	-1258.63	0.0	226.22	0.0	0.0	0.0
104	9	0.0	0.0	-1.17e-03	0.0	0.0	-1132.28	0.0	133.05	0.0	-19.96	0.0
		0.0	-19.96	1.06e-05	0.0	15.0	-1132.28	0.0	133.05	0.0	0.0	0.0
104	10	0.0	0.0	-1.24e-03	0.0	0.0	-1159.02	0.0	190.42	0.0	-28.56	0.0
		0.0	-28.56	1.18e-05	0.0	15.0	-1159.02	0.0	190.42	0.0	0.0	0.0
104	11	0.0	0.0	9.09e-05	0.0	0.0	-1130.03	0.0	283.76	0.0	-42.56	0.0
		0.0	-42.56	-1.83e-05	0.0	15.0	-1130.03	0.0	283.76	0.0	0.0	0.0
105	1	-5.40	-2.01	1.02e-03	0.0	0.0	-1510.42	36.00	13.37	0.0	-6.69	-18.00
		-18.00	-6.69	-2.77e-03	0.0	35.0	-1506.16	36.00	13.37	0.0	-2.01	-5.40
105	2	-5.23	-1.94	1.02e-03	0.0	0.0	-1522.18	34.86	12.96	0.0	-6.48	-17.43
		-17.43	-6.48	-2.76e-03	0.0	35.0	-1517.93	34.86	12.96	0.0	-1.94	-5.23
105	3	-3.54	-1.33	1.04e-03	0.0	0.0	-1580.16	23.61	8.87	0.0	-4.44	-11.80
		-11.80	-4.44	-2.83e-03	0.0	35.0	-1575.91	23.61	8.87	0.0	-1.33	-3.54
105	4	-2.38	-0.93	1.66e-03	0.0	0.0	-1582.90	15.86	6.22	0.0	-3.11	-7.93
		-7.93	-3.11	-4.52e-03	0.0	35.0	-1578.65	15.86	6.22	0.0	-0.93	-2.38
105	5	2.63	0.72	1.73e-03	0.0	0.0	-1773.38	-5.25	-1.44	0.0	0.72	2.63
		0.79	0.22	-4.70e-03	0.0	35.0	-1769.12	-5.25	-1.44	0.0	0.22	0.79
105	6	-5.94	-2.23	1.69e-03	0.0	0.0	-1596.87	39.59	14.87	0.0	-7.43	-19.79
		-19.79	-7.43	-4.61e-03	0.0	35.0	-1592.62	39.59	14.87	0.0	-2.23	-5.94
105	7	-5.11	-1.90	1.04e-03	0.0	0.0	-1511.51	34.09	12.69	0.0	-6.34	-17.04
		-17.04	-6.34	-2.82e-03	0.0	35.0	-1507.26	34.09	12.69	0.0	-1.90	-5.11
105	8	-2.67	-1.00	8.02e-04	0.0	0.0	-1216.26	17.80	6.70	0.0	-3.35	-8.90
		-8.90	-3.35	-2.17e-03	0.0	35.0	-1213.11	17.80	6.70	0.0	-1.00	-2.67
105	9	-3.72	-1.38	7.30e-04	0.0	0.0	-1078.39	24.81	9.23	0.0	-4.61	-12.40
		-12.40	-4.61	-1.98e-03	0.0	35.0	-1075.24	24.81	9.23	0.0	-1.38	-3.72
105	10	-2.69	-1.01	7.44e-04	0.0	0.0	-1117.14	17.92	6.72	0.0	-3.36	-8.96
		-8.96	-3.36	-2.02e-03	0.0	35.0	-1113.99	17.92	6.72	0.0	-1.01	-2.69
105	11	-4.02	-1.51	1.10e-03	0.0	0.0	-1126.42	26.80	10.05	0.0	-5.03	-13.40
		-13.40	-5.03	-3.01e-03	0.0	35.0	-1123.27	26.80	10.05	0.0	-1.51	-4.02
106	1	0.0	0.0	4.36e-04	0.0	0.0	-1506.16	35.99	13.37	0.0	-2.01	-5.40
		-5.40	-2.01	-1.19e-03	0.0	15.0	-1506.16	35.99	13.37	0.0	0.0	0.0
106	2	0.0	0.0	4.35e-04	0.0	0.0	-1517.93	34.85	12.96	0.0	-1.94	-5.23
		-5.23	-1.94	-1.18e-03	0.0	15.0	-1517.93	34.85	12.96	0.0	0.0	0.0
106	3	0.0	0.0	4.47e-04	0.0	0.0	-1575.91	23.61	8.87	0.0	-1.33	-3.54
		-3.54	-1.33	-1.21e-03	0.0	15.0	-1575.91	23.61	8.87	0.0	0.0	0.0
106	4	0.0	0.0	7.11e-04	0.0	0.0	-1578.65	15.86	6.22	0.0	-0.93	-2.38
		-2.38	-0.93	-1.94e-03	0.0	15.0	-1578.65	15.86	6.22	0.0	0.0	0.0
106	5	0.79	0.22	7.41e-04	0.0	0.0	-1769.12	-5.25	-1.44	0.0	0.22	0.79
		0.0	0.0	-2.01e-03	0.0	15.0	-1769.12	-5.25	-1.44	0.0	0.0	0.0
106	6	0.0	0.0	7.24e-04	0.0	0.0	-1592.62	39.59	14.86	0.0	-2.23	-5.94
		-5.94	-2.23	-1.98e-03	0.0	15.0	-1592.62	39.59	14.86	0.0	0.0	0.0
106	7	0.0	0.0	4.45e-04	0.0	0.0	-1507.26	34.09	12.69	0.0	-1.90	-5.11
		-5.11	-1.90	-1.21e-03	0.0	15.0	-1507.26	34.09	12.69	0.0	0.0	0.0
106	8	0.0	0.0	3.43e-04	0.0	0.0	-1213.11	17.80	6.69	0.0	-1.00	-2.67
		-2.67	-1.00	-9.30e-04	0.0	15.0	-1213.11	17.80	6.69	0.0	0.0	0.0
106	9	0.0	0.0	3.12e-04	0.0	0.0	-1075.24	24.81	9.22	0.0	-1.38	-3.72
		-3.72	-1.38	-8.51e-04	0.0	15.0	-1075.24	24.81	9.22	0.0	0.0	0.0
106	10	0.0	0.0	3.18e-04	0.0	0.0	-1113.99	17.92	6.72	0.0	-1.01	-2.69
		-2.69	-1.01	-8.65e-04	0.0	15.0	-1113.99	17.92	6.72	0.0	0.0	0.0
106	11	0.0	0.0	4.72e-04	0.0	0.0	-1123.27	26.80	10.05	0.0	-1.51	-4.02
		-4.02	-1.51	-1.29e-03	0.0	15.0	-1123.27	26.80	10.05	0.0	0.0	0.0
107	1	-15.89	-5.77	-1.19e-03	0.0	0.0	-1826.21	105.95	38.48	0.0	-19.24	-52.97
		-52.97	-19.24	3.11e-03	0.0	35.0	-1821.96	105.95	38.48	0.0	-5.77	-15.89
107	2	-56.85	-20.68	-6.40e-04	0.0	0.0	-1929.90	379.03	137.87	0.0	-68.93	-189.52
		-189.52	-68.93	1.50e-03	0.0	35.0	-1925.65	379.03	137.87	0.0	-20.68	-56.85
107	3	-108.28	-39.40	-4.07e-04	0.0	0.0	-1602.63	721.89	262.67	0.0	-131.34	-360.95
		-360.95	-131.34	-1.50e-03	0.0	35.0	-1598.37	721.89	262.67	0.0	-39.40	-108.28
107	4	-1.83	-0.66	-1.35e-03	0.0	0.0	-1598.19	12.22	4.37	0.0	-2.18	-6.11
		-6.11	-2.18	3.55e-03	0.0	35.0	-1593.93	12.22	4.37	0.0	-0.66	-1.83
107	5	-3.59	-1.30	-1.40e-03	0.0	0.0	-1644.29	23.95	8.63	0.0	-4.32	-11.98
		-11.98	-4.32	3.67e-03	0.0	35.0	-1640.04	23.95	8.63	0.0	-1.30	-3.59
107	6	-5.29	-1.91	-1.41e-03	0.0	0.0	-1610.93	35.24	12.74	0.0	-6.37	-17.62
		-17.62	-6.37	3.70e-03	0.0	35.0	-1606.68	35.24	12.74	0.0	-1.91	-5.29
107	7	-4.56	-1.65	-1.34e-03	0.0	0.0	-1588.13	30.43	10.99	0.0	-5.50	-15.21
		-15.21	-5.50	3.52e-03	0.0	35.0	-1583.88	30.43	10.99	0.0	-1.65	-4.56
107	8	-92.14	-33.53	-4.35e-04	0.0	0.0	-1229.28	614.24	223.50	0.0	-111.75	-307.12
		-307.12	-111.75	-1.52e-03	0.0	35.0	-1226.13	614.24	223.50	0.0	-33.53	-92.14
107	9	-9.33	-3.39	-8.58e-04	0.0	0.0	-1265.47	62.17	22.57	0.0	-11.28	-31.08
		-31.08	-11.28	2.25e-03	0.0	35.0	-1262.32	62.17	22.57	0.0	-3.39	-9.33
107	10	-60.65	-22.07	-2.92e-05	0.0	0.0	-1141.25	404.36	147.12	0.0	-73.56	-202.18
		-202.18	-73.56	-3.08e-04	0.0	35.0	-1138.10	404.36	147.12	0.0	-22.07	-60.65

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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107	11	-3.43	-1.24	-9.80e-04	0.0	0.0	-1145.87	22.89	8.27	0.0	-4.14	-11.44
		-11.44	-4.14	2.58e-03	0.0	35.0	-1142.72	22.89	8.27	0.0	-1.24	-3.43
108	1	0.0	0.0	-5.12e-04	0.0	0.0	-1821.96	105.95	38.48	0.0	-5.77	-15.89
		-15.89	-5.77	1.33e-03	0.0	15.0	-1821.96	105.95	38.48	0.0	0.0	0.0
108	2	0.0	0.0	-2.82e-04	0.0	0.0	-1925.65	379.03	137.87	0.0	-20.68	-56.85
		-56.85	-20.68	6.39e-04	0.0	15.0	-1925.65	379.03	137.87	0.0	0.0	0.0
108	3	0.0	0.0	-1.59e-04	0.0	0.0	-1598.37	721.89	262.67	0.0	-39.40	-108.28
		-108.28	-39.40	-6.46e-04	0.0	15.0	-1598.37	721.89	262.67	0.0	0.0	0.0
108	4	0.0	0.0	-5.80e-04	0.0	0.0	-1593.93	12.22	4.37	0.0	-0.66	-1.83
		-1.83	-0.66	1.52e-03	0.0	15.0	-1593.93	12.22	4.37	0.0	0.0	0.0
108	5	0.0	0.0	-6.00e-04	0.0	0.0	-1640.04	23.95	8.64	0.0	-1.30	-3.59
		-3.59	-1.30	1.57e-03	0.0	15.0	-1640.04	23.95	8.64	0.0	0.0	0.0
108	6	0.0	0.0	-6.05e-04	0.0	0.0	-1606.68	35.24	12.74	0.0	-1.91	-5.29
		-5.29	-1.91	1.58e-03	0.0	15.0	-1606.68	35.24	12.74	0.0	0.0	0.0
108	7	0.0	0.0	-5.77e-04	0.0	0.0	-1583.88	30.42	10.99	0.0	-1.65	-4.56
		-4.56	-1.65	1.51e-03	0.0	15.0	-1583.88	30.42	10.99	0.0	0.0	0.0
108	8	0.0	0.0	-1.74e-04	0.0	0.0	-1226.13	614.24	223.50	0.0	-33.53	-92.14
		-92.14	-33.53	-6.56e-04	0.0	15.0	-1226.13	614.24	223.50	0.0	0.0	0.0
108	9	0.0	0.0	-3.69e-04	0.0	0.0	-1262.32	62.17	22.57	0.0	-3.39	-9.33
		-9.33	-3.39	9.63e-04	0.0	15.0	-1262.32	62.17	22.57	0.0	0.0	0.0
108	10	0.0	0.0	-4.11e-06	0.0	0.0	-1138.10	404.36	147.12	0.0	-22.07	-60.65
		-60.65	-22.07	-1.35e-04	0.0	15.0	-1138.10	404.36	147.12	0.0	0.0	0.0
108	11	0.0	0.0	-4.20e-04	0.0	0.0	-1142.72	22.89	8.27	0.0	-1.24	-3.43
		-3.43	-1.24	1.10e-03	0.0	15.0	-1142.72	22.89	8.27	0.0	0.0	0.0
109	1	0.0	-1.21	3.36e-05	0.0	0.0	-1696.62	0.0	8.05	0.0	-4.02	0.0
		0.0	-4.02	6.90e-06	0.0	35.0	-1692.37	0.0	8.05	0.0	-1.21	0.0
109	2	0.0	-25.71	4.14e-05	0.0	0.0	-1982.09	0.0	171.38	0.0	-85.69	0.0
		0.0	-85.69	4.34e-06	0.0	35.0	-1977.83	0.0	171.38	0.0	-25.71	0.0
109	3	0.0	-88.79	3.61e-05	0.0	0.0	-1769.96	0.0	591.92	0.0	-295.96	0.0
		0.0	-295.96	3.10e-05	0.0	35.0	-1765.70	0.0	591.92	0.0	-88.79	0.0
109	4	0.0	-1.97	2.28e-05	0.0	0.0	-1719.00	0.0	13.10	0.0	-6.55	0.0
		0.0	-6.55	9.01e-06	0.0	35.0	-1714.75	0.0	13.10	0.0	-1.97	0.0
109	5	0.0	10.97	2.91e-05	0.0	0.0	-1744.10	0.0	-21.94	0.0	10.97	0.0
		0.0	3.29	1.14e-05	0.0	35.0	-1739.84	0.0	-21.94	0.0	3.29	0.0
109	6	0.0	28.27	3.47e-05	0.0	0.0	-1696.93	0.0	-56.53	0.0	28.27	0.0
		0.0	8.48	1.31e-05	0.0	35.0	-1692.68	0.0	-56.53	0.0	8.48	0.0
109	7	0.0	22.22	3.35e-05	0.0	0.0	-1684.40	0.0	-44.45	0.0	22.22	0.0
		0.0	6.67	1.24e-05	0.0	35.0	-1680.15	0.0	-44.45	0.0	6.67	0.0
109	8	0.0	-75.44	2.79e-05	0.0	0.0	-1365.48	0.0	502.96	0.0	-251.48	0.0
		0.0	-251.48	2.72e-05	0.0	35.0	-1362.33	0.0	502.96	0.0	-75.44	0.0
109	9	0.0	-0.24	2.39e-05	0.0	0.0	-1206.62	0.0	1.59	0.0	-0.80	0.0
		0.0	-0.80	5.64e-06	0.0	35.0	-1203.47	0.0	1.59	0.0	-0.24	0.0
109	10	0.0	-48.89	2.53e-05	0.0	0.0	-1247.37	0.0	325.96	0.0	-162.98	0.0
		0.0	-162.98	1.56e-05	0.0	35.0	-1244.22	0.0	325.96	0.0	-48.89	0.0
109	11	0.0	17.14	2.45e-05	0.0	0.0	-1206.80	0.0	-34.28	0.0	17.14	0.0
		0.0	5.14	9.09e-06	0.0	35.0	-1203.65	0.0	-34.28	0.0	5.14	0.0
110	1	0.0	1.15	-1.16e-03	0.0	0.0	-1692.37	0.0	-7.67	0.0	1.15	0.0
		0.0	0.0	2.79e-06	0.0	15.0	-1692.37	0.0	-7.67	0.0	0.0	0.0
110	2	0.0	0.0	8.15e-04	0.0	0.0	-1977.83	0.0	182.09	0.0	-27.31	0.0
		0.0	-27.31	4.83e-06	0.0	15.0	-1977.83	0.0	182.09	0.0	0.0	0.0
110	3	0.0	0.0	2.44e-03	0.0	0.0	-1765.70	0.0	624.49	0.0	-93.67	0.0
		0.0	-93.67	2.54e-05	0.0	15.0	-1765.70	0.0	624.49	0.0	0.0	0.0
110	4	0.0	1.70	-1.81e-03	0.0	0.0	-1714.75	0.0	-11.31	0.0	1.70	0.0
		0.0	0.0	3.59e-06	0.0	15.0	-1714.75	0.0	-11.31	0.0	0.0	0.0
110	5	0.0	7.34	-2.00e-03	0.0	0.0	-1739.84	0.0	-48.95	0.0	7.34	0.0
		0.0	0.0	5.35e-06	0.0	15.0	-1739.84	0.0	-48.95	0.0	0.0	0.0
110	6	0.0	12.78	-2.12e-03	0.0	0.0	-1692.68	0.0	-85.22	0.0	12.78	0.0
		0.0	0.0	6.79e-06	0.0	15.0	-1692.68	0.0	-85.22	0.0	0.0	0.0
110	7	0.0	10.86	-2.07e-03	0.0	0.0	-1680.15	0.0	-72.41	0.0	10.86	0.0
		0.0	0.0	6.23e-06	0.0	15.0	-1680.15	0.0	-72.41	0.0	0.0	0.0
110	8	0.0	0.0	1.80e-03	0.0	0.0	-1362.33	0.0	526.99	0.0	-79.05	0.0
		0.0	-79.05	2.19e-05	0.0	15.0	-1362.33	0.0	526.99	0.0	0.0	0.0
110	9	0.0	1.31	-7.57e-04	0.0	0.0	-1203.47	0.0	-8.72	0.0	1.31	0.0
		0.0	0.0	2.38e-06	0.0	15.0	-1203.47	0.0	-8.72	0.0	0.0	0.0
110	10	0.0	0.0	1.24e-03	0.0	0.0	-1244.22	0.0	342.49	0.0	-51.37	0.0
		0.0	-51.37	1.33e-05	0.0	15.0	-1244.22	0.0	342.49	0.0	0.0	0.0
110	11	0.0	7.77	-1.29e-03	0.0	0.0	-1203.65	0.0	-51.80	0.0	7.77	0.0
		0.0	0.0	4.61e-06	0.0	15.0	-1203.65	0.0	-51.80	0.0	0.0	0.0
Pilas.		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-360.95	-433.15	-5.57e-03	0.0		-3238.66	-895.88	-866.56	0.0		
		447.94	429.98	6.26e-03	0.0		-775.28	721.89	873.14	0.0		

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
1	1	4073.20	-66.41	-0.02	-149.80	0.0	1011.87	1954.32	81.68	1236.18	-324.69	-1869.54
		-1869.54	-324.69	4.70e-04	0.0	316.2	1011.87	1804.53	81.68	1236.18	-66.41	4073.20
1	2	4493.57	-128.86	-0.02	-149.80	0.0	1214.79	2043.74	33.95	1043.21	-236.20	-1731.90
		-1731.90	-236.20	4.44e-04	0.0	316.2	1214.79	1893.94	33.95	1043.21	-128.86	4493.57
1	3	3963.70	-74.97	-0.02	-149.80	0.0	1048.01	1892.82	57.63	1169.94	-257.20	-1784.58
		-1784.58	-257.20	4.90e-04	0.0	316.2	1048.01	1743.03	57.63	1169.94	-74.97	3963.70
1	4	3975.32	-78.62	-0.02	-149.80	0.0	1047.41	1894.21	58.60	1169.37	-263.93	-1777.33
		-1777.33	-263.93	1.03e-04	0.0	316.2	1047.41	1744.41	58.60	1169.37	-78.62	3975.32
1	5	4016.83	-78.05	-0.02	-149.80	0.0	1058.70	1911.02	59.14	1168.41	-265.06	-1788.98
		-1788.98	-265.06	1.09e-04	0.0	316.2	1058.70	1761.22	59.14	1168.41	-78.05	4016.83
1	6	4071.06	-63.33	-0.02	-149.80	0.0	1067.20	1954.02	67.77	1227.63	-277.61	-1870.72
		-1870.72	-277.61	1.19e-04	0.0	316.2	1067.20	1804.22	67.77	1227.63	-63.33	4071.06
1	7	3928.43	-67.64	-0.02	-149.80	0.0	1033.39	1884.97	62.92	1184.71	-266.59	-1795.02
		-1795.02	-266.59	1.19e-04	0.0	316.2	1033.39	1735.18	62.92	1184.71	-67.64	3928.43
1	8	3058.46	-52.88	-0.01	-110.96	0.0	804.05	1461.80	46.70	917.20	-200.53	-1388.34
		-1388.34	-200.53	4.09e-04	0.0	316.2	804.05	1350.84	46.70	917.20	-52.88	3058.46
1	9	2864.19	-53.11	-0.01	-110.96	0.0	725.70	1372.09	52.14	850.44	-217.97	-1298.92
		-1298.92	-217.97	2.79e-04	0.0	316.2	725.70	1261.13	52.14	850.44	-53.11	2864.19
1	10	2803.36	-57.87	-0.01	-110.96	0.0	745.78	1337.92	38.77	813.63	-180.48	-1251.72
		-1251.72	-180.48	2.90e-04	0.0	316.2	745.78	1226.96	38.77	813.63	-57.87	2803.36
1	11	2863.00	-51.40	-0.01	-110.96	0.0	756.45	1371.92	44.41	845.68	-191.82	-1299.57
		-1299.57	-191.82	8.40e-05	0.0	316.2	756.45	1260.96	44.41	845.68	-51.40	2863.00
3	1	3642.77	-98.66	-0.02	-142.69	0.0	1021.43	1850.65	50.49	1124.77	-250.73	-1716.51
		-1716.51	-250.73	-1.21e-04	0.0	301.2	1021.43	1707.96	50.49	1124.77	-98.66	3642.77
3	2	3591.70	-111.77	-0.02	-142.69	0.0	1012.87	1808.27	42.47	1071.93	-239.70	-1639.93
		-1639.93	-239.70	-1.11e-04	0.0	301.2	1012.87	1665.58	42.47	1071.93	-111.77	3591.70
3	3	3551.53	-112.12	-0.02	-142.69	0.0	1001.57	1791.88	42.17	1075.35	-239.14	-1630.73
		-1630.73	-239.14	-9.56e-05	0.0	301.2	1001.57	1649.19	42.17	1075.35	-112.12	3551.53
3	4	3553.16	-118.15	-0.02	-142.69	0.0	1021.82	1793.79	39.52	1068.75	-237.17	-1634.84
		-1634.84	-237.17	-1.37e-04	0.0	301.2	1021.82	1651.10	39.52	1068.75	-118.15	3553.16
3	5	4048.06	-173.10	-0.02	-142.69	0.0	1180.88	1937.05	13.88	944.21	-214.90	-1571.43
		-1571.43	-214.90	-4.75e-05	0.0	301.2	1180.88	1794.36	13.88	944.21	-173.10	4048.06
3	6	3641.22	-99.53	-0.02	-142.69	0.0	1032.94	1851.82	49.39	1120.96	-248.30	-1721.56
		-1721.56	-248.30	-1.02e-04	0.0	301.2	1032.94	1709.13	49.39	1120.96	-99.53	3641.22
3	7	3512.58	-100.61	-0.02	-142.69	0.0	988.49	1784.12	46.48	1086.76	-240.60	-1646.30
		-1646.30	-240.60	-8.11e-05	0.0	301.2	988.49	1641.43	46.48	1086.76	-100.61	3512.58
3	8	2741.08	-82.15	-0.01	-105.70	0.0	768.36	1384.08	34.82	843.64	-187.03	-1268.59
		-1268.59	-187.03	-7.59e-05	0.0	301.2	768.36	1278.38	34.82	843.64	-82.15	2741.08
3	9	2561.32	-75.77	-0.01	-105.70	0.0	723.89	1298.97	32.33	774.58	-173.14	-1192.01
		-1192.01	-173.14	-7.84e-05	0.0	301.2	723.89	1193.28	32.33	774.58	-75.77	2561.32
3	10	2510.64	-83.25	-0.01	-105.70	0.0	712.85	1266.32	27.71	747.12	-166.70	-1144.35
		-1144.35	-166.70	-6.42e-05	0.0	301.2	712.85	1160.63	27.71	747.12	-83.25	2510.64
3	11	2560.46	-76.25	-0.01	-105.70	0.0	730.28	1299.62	31.72	772.46	-171.79	-1194.82
		-1194.82	-171.79	-6.78e-05	0.0	301.2	730.28	1193.92	31.72	772.46	-76.25	2560.46
4	1	3150.12	-277.59	-0.02	-149.80	0.0	1238.49	1413.26	-72.97	477.13	-277.59	-1081.80
		-1081.80	-508.31	4.75e-04	0.0	316.2	1238.49	1263.47	-72.97	477.13	-508.31	3150.12
4	2	3638.24	-270.64	-0.02	-149.80	0.0	1462.64	1601.07	-94.77	313.46	-270.64	-1187.53
		-1187.53	-570.30	4.29e-04	0.0	316.2	1462.64	1451.28	-94.77	313.46	-570.30	3638.24
4	3	3119.15	-296.01	-0.02	-149.80	0.0	1257.49	1391.33	-75.86	398.29	-296.01	-1043.42
		-1043.42	-535.87	4.81e-04	0.0	316.2	1257.49	1241.54	-75.86	398.29	-535.87	3119.15
4	4	3177.00	-292.50	-0.02	-149.80	0.0	1143.27	1386.35	-81.88	407.06	-292.50	-969.80
		-969.80	-551.41	8.22e-05	0.0	316.2	1143.27	1236.55	-81.88	407.06	-551.41	3177.00
4	5	3203.65	-303.53	-0.02	-149.80	0.0	1157.42	1409.83	-76.17	432.91	-303.53	-1017.42
		-1017.42	-544.39	9.01e-05	0.0	316.2	1157.42	1260.04	-76.17	432.91	-544.39	3203.65
4	6	3169.01	-326.42	-0.02	-149.80	0.0	1141.73	1407.80	-66.15	485.91	-326.42	-1045.63
		-1045.63	-535.60	1.05e-04	0.0	316.2	1141.73	1258.01	-66.15	485.91	-535.60	3169.01
4	7	3094.08	-302.92	-0.02	-149.80	0.0	1117.97	1363.81	-72.88	435.41	-302.92	-981.46
		-981.46	-533.36	1.01e-04	0.0	316.2	1117.97	1214.01	-72.88	435.41	-533.36	3094.08
4	8	2398.27	-230.16	-0.01	-110.96	0.0	976.62	1069.74	-57.57	307.80	-230.16	-808.82
		-808.82	-412.19	4.04e-04	0.0	316.2	976.62	958.78	-57.57	307.80	-412.19	2398.27
4	9	2232.62	-197.86	-0.01	-110.96	0.0	863.37	999.29	-52.93	327.68	-197.86	-751.71
		-751.71	-365.21	2.78e-04	0.0	316.2	863.37	888.33	-52.93	327.68	-365.21	2232.62
4	10	2215.41	-208.09	-0.01	-110.96	0.0	873.93	987.10	-54.53	283.88	-208.09	-730.39
		-730.39	-380.52	2.81e-04	0.0	316.2	873.93	876.14	-54.53	283.88	-380.52	2215.41
4	11	2243.11	-224.99	-0.01	-110.96	0.0	809.61	996.25	-49.14	332.55	-224.99	-731.61
		-731.61	-380.37	7.27e-05	0.0	316.2	809.61	885.29	-49.14	332.55	-380.37	2243.11
6	1	2852.66	-293.26	-0.01	-142.69	0.0	1065.92	1338.00	-69.64	430.31	-293.26	-962.51
		-962.51	-503.03	-1.13e-04	0.0	301.2	1065.92	1195.31	-69.64	430.31	-503.03	2852.66
6	2	2884.26	-272.41	-0.01	-142.69	0.0	1079.75	1339.99	-80.08	382.62	-272.41	-936.91

		-936.91	-513.60	-9.70e-05	0.0	301.2	1079.75	1197.30	-80.08	382.62	-513.60	2884.26
6	3	2856.55	-263.33	-0.01	-142.69	0.0	1068.53	1316.27	-85.50	361.26	-263.33	-893.16
		-893.16	-520.87	-7.87e-05	0.0	301.2	1068.53	1173.58	-85.50	361.26	-520.87	2856.55
6	4	2863.47	-258.34	-0.01	-142.69	0.0	1069.27	1316.25	-89.50	357.32	-258.34	-886.18
		-886.18	-527.92	-1.58e-04	0.0	301.2	1069.27	1173.56	-89.50	357.32	-527.92	2863.47
6	5	3355.10	-231.11	-0.02	-142.69	0.0	1288.82	1531.76	-108.08	263.26	-231.11	-1043.68
		-1043.68	-556.63	-6.93e-05	0.0	301.2	1288.82	1389.07	-108.08	263.26	-556.63	3355.10
6	6	2847.61	-290.71	-0.01	-142.69	0.0	1079.17	1338.75	-69.35	427.11	-290.71	-969.81
		-969.81	-499.58	-9.67e-05	0.0	301.2	1079.17	1196.06	-69.35	427.11	-499.58	2847.61
6	7	2782.06	-272.38	-0.01	-142.69	0.0	1048.65	1295.50	-75.13	384.13	-272.38	-905.10
		-905.10	-498.66	-7.07e-05	0.0	301.2	1048.65	1152.81	-75.13	384.13	-498.66	2782.06
6	8	2200.32	-204.56	-0.01	-105.70	0.0	821.71	1011.48	-65.58	279.81	-204.56	-687.07
		-687.07	-367.03	-6.31e-05	0.0	301.2	821.71	905.78	-65.58	279.81	-367.03	2200.32
6	9	2018.96	-202.16	-0.01	-105.70	0.0	756.50	946.84	-51.45	294.47	-202.16	-673.76
		-673.76	-357.12	-7.17e-05	0.0	301.2	756.50	841.15	-51.45	294.47	-357.12	2018.96
6	10	2021.12	-185.53	-9.98e-03	-105.70	0.0	757.95	934.77	-60.26	256.11	-185.53	-635.23
		-635.23	-367.03	-5.23e-05	0.0	301.2	757.95	829.07	-60.26	256.11	-367.03	2021.12
6	11	2016.16	-200.74	-0.01	-105.70	0.0	763.86	947.26	-51.28	292.69	-200.74	-677.81
		-677.81	-355.21	-6.24e-05	0.0	301.2	763.86	841.56	-51.28	292.69	-355.21	2016.16
7	1	3108.55	-214.45	-0.02	-149.80	0.0	1139.31	1354.89	-107.21	341.49	-214.45	-938.79
		-938.79	-553.46	4.16e-04	0.0	316.2	1139.31	1205.10	-107.21	341.49	-553.46	3108.55
7	2	3473.82	-244.82	-0.02	-149.80	0.0	1281.70	1542.42	-117.18	437.42	-244.82	-1166.47
		-1166.47	-615.35	3.87e-04	0.0	316.2	1281.70	1392.62	-117.18	437.42	-615.35	3473.82
7	3	3195.83	-189.65	-0.02	-149.80	0.0	1188.24	1382.49	-121.57	281.78	-189.65	-938.77
		-938.77	-574.05	4.12e-04	0.0	316.2	1188.24	1232.69	-121.57	281.78	-574.05	3195.83
7	4	3186.18	-180.07	-0.02	-149.80	0.0	1184.09	1382.34	-110.00	284.55	-180.07	-947.94
		-947.94	-527.89	5.74e-05	0.0	316.2	1184.09	1232.54	-110.00	284.55	-527.89	3186.18
7	5	3152.29	-198.33	-0.02	-149.80	0.0	1161.64	1378.25	-101.41	331.64	-198.33	-968.90
		-968.90	-519.00	6.67e-05	0.0	316.2	1161.64	1228.45	-101.41	331.64	-519.00	3152.29
7	6	3105.84	-206.58	-0.02	-149.80	0.0	1136.95	1356.22	-99.08	343.86	-206.58	-945.68
		-945.68	-519.87	7.72e-05	0.0	316.2	1136.95	1206.42	-99.08	343.86	-519.87	3105.84
7	7	3079.94	-185.88	-0.02	-149.80	0.0	1135.20	1338.10	-104.91	299.05	-185.88	-914.31
		-914.31	-517.59	7.15e-05	0.0	316.2	1135.20	1188.30	-104.91	299.05	-517.59	3079.94
7	8	2465.54	-147.04	-0.01	-110.96	0.0	916.10	1063.88	-94.51	216.75	-147.04	-723.03
		-723.03	-445.88	3.48e-04	0.0	316.2	916.10	952.92	-94.51	216.75	-445.88	2465.54
7	9	2206.32	-147.00	-0.01	-110.96	0.0	811.19	963.34	-76.19	234.49	-147.00	-664.35
		-664.35	-387.93	2.41e-04	0.0	316.2	811.19	852.38	-76.19	234.49	-387.93	2206.32
7	10	2254.80	-133.23	-0.01	-110.96	0.0	838.37	978.67	-84.17	201.32	-133.23	-664.34
		-664.34	-399.37	2.39e-04	0.0	316.2	838.37	867.71	-84.17	201.32	-399.37	2254.80
7	11	2204.81	-142.63	-0.01	-110.96	0.0	809.88	964.08	-71.67	235.81	-142.63	-668.18
		-668.18	-369.27	5.28e-05	0.0	316.2	809.88	853.12	-71.67	235.81	-369.27	2204.81
9	1	2803.04	-188.93	-0.01	-142.69	0.0	1032.67	1285.99	-102.18	307.41	-188.93	-855.48
		-855.48	-496.70	-8.10e-05	0.0	301.2	1032.67	1143.30	-102.18	307.41	-496.70	2803.04
9	2	2847.23	-181.59	-0.01	-142.69	0.0	1050.25	1307.96	-103.51	297.12	-181.59	-877.46
		-877.46	-493.37	-7.19e-05	0.0	301.2	1050.25	1165.27	-103.51	297.12	-493.37	2847.23
9	3	2878.75	-165.53	-0.01	-142.69	0.0	1066.30	1311.42	-111.70	254.68	-165.53	-856.36
		-856.36	-501.97	-5.24e-05	0.0	301.2	1066.30	1168.73	-111.70	254.68	-501.97	2878.75
9	4	2897.36	-214.00	-0.01	-142.69	0.0	1021.46	1315.56	-94.45	255.22	-214.00	-850.21
		-850.21	-498.50	-1.75e-04	0.0	301.2	1021.46	1172.87	-94.45	255.22	-498.50	2897.36
9	5	3144.82	-216.10	-0.02	-142.69	0.0	1162.38	1475.72	-110.51	403.03	-216.10	-1085.17
		-1085.17	-548.96	-7.39e-05	0.0	301.2	1162.38	1333.03	-110.51	403.03	-548.96	3144.82
9	6	2799.86	-187.86	-0.01	-142.69	0.0	1041.13	1286.06	-104.66	306.45	-187.86	-858.86
		-858.86	-503.11	-5.72e-05	0.0	301.2	1041.13	1143.37	-104.66	306.45	-503.11	2799.86
9	7	2780.49	-171.15	-0.01	-142.69	0.0	1032.70	1269.52	-108.28	267.29	-171.15	-828.43
		-828.43	-497.29	-3.35e-05	0.0	301.2	1032.70	1126.83	-108.28	267.29	-497.29	2780.49
9	8	2220.23	-127.57	-0.01	-105.70	0.0	821.03	1009.13	-85.98	196.00	-127.57	-660.08
		-660.08	-386.54	-4.32e-05	0.0	301.2	821.03	903.43	-85.98	196.00	-386.54	2220.23
9	9	1990.20	-130.70	-9.80e-03	-105.70	0.0	735.67	914.32	-73.76	210.95	-130.70	-604.55
		-604.55	-352.87	-4.86e-05	0.0	301.2	735.67	808.62	-73.76	210.95	-352.87	1990.20
9	10	2032.26	-117.70	-9.89e-03	-105.70	0.0	754.35	928.45	-79.05	181.66	-117.70	-605.04
		-605.04	-355.79	-3.27e-05	0.0	301.2	754.35	822.75	-79.05	181.66	-355.79	2032.26
9	11	1988.43	-130.11	-9.80e-03	-105.70	0.0	740.37	914.36	-75.14	210.43	-130.11	-606.43
		-606.43	-356.43	-3.54e-05	0.0	301.2	740.37	808.66	-75.14	210.43	-356.43	1988.43
10	1	3031.60	-164.79	-0.02	-149.80	0.0	1091.01	1317.06	-109.31	281.68	-164.79	-896.12
		-896.12	-510.44	3.88e-04	0.0	316.2	1091.01	1167.27	-109.31	281.68	-510.44	3031.60
10	2	3286.59	-246.37	-0.02	-149.80	0.0	1154.83	1460.31	-99.43	475.70	-246.37	-1094.09
		-1094.09	-560.77	3.68e-04	0.0	316.2	1154.83	1310.52	-99.43	475.70	-560.77	3286.59
10	3	3106.14	-160.48	-0.02	-149.80	0.0	1110.52	1350.43	-112.80	283.12	-160.48	-927.09
		-927.09	-517.15	3.87e-04	0.0	316.2	1110.52	1200.63	-112.80	283.12	-517.15	3106.14
10	4	3065.12	-165.41	-0.02	-149.80	0.0	1182.31	1354.13	-102.96	283.07	-165.41	-979.81
		-979.81	-490.97	4.52e-05	0.0	316.2	1182.31	1204.33	-102.96	283.07	-490.97	3065.12
10	5	3011.40	-172.60	-0.02	-149.80	0.0	1154.43	1330.09	-99.66	296.03	-172.60	-957.51

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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10	6	-957.51	-487.72	5.29e-05	0.0	316.2	1154.43	1180.29	-99.66	296.03	-487.72	3011.40
		2997.62	-168.66	-0.02	-149.80	0.0	1147.45	1320.53	-101.02	282.64	-168.66	-941.05
		-941.05	-488.08	6.05e-05	0.0	316.2	1147.45	1170.73	-101.02	282.64	-488.08	2997.62
10	7	2984.74	-156.67	-0.02	-149.80	0.0	1149.70	1312.63	-104.18	259.88	-156.67	-928.96
		-928.96	-486.10	5.52e-05	0.0	316.2	1149.70	1162.83	-104.18	259.88	-486.10	2984.74
10	8	2396.73	-123.72	-0.01	-110.96	0.0	848.89	1038.22	-87.39	219.77	-123.72	-710.68
		-710.68	-400.06	3.27e-04	0.0	316.2	848.89	927.26	-87.39	219.77	-400.06	2396.73
10	9	2149.05	-115.86	-0.01	-110.96	0.0	786.52	938.88	-76.94	196.66	-115.86	-644.25
		-644.25	-359.14	2.22e-04	0.0	316.2	786.52	827.92	-76.94	196.66	-359.14	2149.05
10	10	2190.45	-113.46	-0.01	-110.96	0.0	797.36	957.41	-78.88	197.45	-113.46	-661.46
		-661.46	-362.87	2.22e-04	0.0	316.2	797.36	846.45	-78.88	197.45	-362.87	2190.45
10	11	2130.17	-118.01	-0.01	-110.96	0.0	817.88	940.80	-72.33	197.19	-118.01	-669.22
		-669.22	-346.72	4.12e-05	0.0	316.2	817.88	829.84	-72.33	197.19	-346.72	2130.17
12	1	2743.57	-152.36	-0.01	-142.69	0.0	993.73	1254.89	-102.18	258.24	-152.36	-821.28
		-821.28	-460.14	-6.21e-05	0.0	301.2	993.73	1112.20	-102.18	258.24	-460.14	2743.57
12	2	2756.13	-157.18	-0.01	-142.69	0.0	999.36	1264.17	-98.53	270.79	-157.18	-836.66
		-836.66	-453.95	-5.90e-05	0.0	301.2	999.36	1121.48	-98.53	270.79	-453.95	2756.13
12	3	2807.18	-151.52	-0.01	-142.69	0.0	1020.92	1288.14	-100.39	259.64	-151.52	-857.81
		-857.81	-453.90	-4.26e-05	0.0	301.2	1020.92	1145.45	-100.39	259.64	-453.90	2807.18
12	4	2825.72	-99.89	-0.01	-142.69	0.0	1004.69	1285.19	-109.49	257.39	-99.89	-830.37
		-830.37	-429.67	-1.71e-04	0.0	301.2	1004.69	1142.50	-109.49	257.39	-429.67	2825.72
12	5	2980.88	-231.61	-0.02	-142.69	0.0	1055.54	1396.91	-90.53	447.09	-231.61	-1011.73
		-1011.73	-504.27	-8.18e-05	0.0	301.2	1055.54	1254.22	-90.53	447.09	-504.27	2980.88
12	6	2744.12	-149.47	-0.01	-142.69	0.0	989.95	1253.81	-107.25	259.31	-149.47	-817.46
		-817.46	-472.50	-3.03e-05	0.0	301.2	989.95	1111.12	-107.25	259.31	-472.50	2744.12
12	7	2734.22	-141.25	-0.01	-142.69	0.0	991.79	1247.59	-107.28	239.46	-141.25	-808.64
		-808.64	-464.39	1.33e-05	0.0	301.2	991.79	1104.90	-107.28	239.46	-464.39	2734.22
12	8	2162.95	-117.25	-0.01	-105.70	0.0	785.72	990.63	-76.73	201.42	-117.25	-661.65
		-661.65	-348.37	-3.64e-05	0.0	301.2	785.72	884.93	-76.73	201.42	-348.37	2162.95
12	9	1950.13	-106.70	-9.73e-03	-105.70	0.0	707.79	894.16	-73.27	180.49	-106.70	-583.91
		-583.91	-327.37	-3.49e-05	0.0	301.2	707.79	788.47	-73.27	180.49	-327.37	1950.13
12	10	1985.47	-106.23	-9.89e-03	-105.70	0.0	722.90	912.63	-72.27	181.27	-106.23	-604.20
		-604.20	-323.90	-2.40e-05	0.0	301.2	722.90	806.94	-72.27	181.27	-323.90	1985.47
12	11	1950.43	-105.09	-9.74e-03	-105.70	0.0	705.69	893.56	-76.08	181.09	-105.09	-581.78
		-581.78	-334.24	-1.72e-05	0.0	301.2	705.69	787.86	-76.08	181.09	-334.24	1950.43
13	1	2769.07	-69.68	-0.02	-149.80	0.0	1165.16	1255.71	-84.06	203.26	-69.68	-964.66
		-964.66	-335.49	4.06e-04	0.0	316.2	1165.16	1105.91	-84.06	203.26	-335.49	2769.07
13	2	2951.31	-109.25	-0.02	-149.80	0.0	1237.14	1344.57	-80.39	343.79	-109.25	-1063.38
		-1063.38	-363.43	3.94e-04	0.0	316.2	1237.14	1194.77	-80.39	343.79	-363.43	2951.31
13	3	2801.03	-71.92	-0.02	-149.80	0.0	1178.86	1270.98	-83.20	220.27	-71.92	-980.97
		-980.97	-334.99	4.11e-04	0.0	316.2	1178.86	1121.18	-83.20	220.27	-334.99	2801.03
13	4	2808.39	-77.57	-0.02	-149.80	0.0	1169.56	1271.41	-89.05	225.46	-77.57	-974.98
		-974.98	-359.16	3.67e-05	0.0	316.2	1169.56	1121.62	-89.05	225.46	-359.16	2808.39
13	5	2784.36	-76.84	-0.02	-149.80	0.0	1160.89	1260.23	-88.22	215.55	-76.84	-963.66
		-963.66	-355.80	4.54e-05	0.0	316.2	1160.89	1110.43	-88.22	215.55	-355.80	2784.36
13	6	2776.34	-74.16	-0.02	-149.80	0.0	1158.38	1256.24	-88.71	207.01	-74.16	-959.08
		-959.08	-354.67	5.52e-05	0.0	316.2	1158.38	1106.45	-88.71	207.01	-354.67	2776.34
13	7	2769.28	-70.61	-0.02	-149.80	0.0	1155.08	1252.39	-89.73	196.80	-70.61	-953.95
		-953.95	-354.35	4.83e-05	0.0	316.2	1155.08	1102.60	-89.73	196.80	-354.35	2769.28
13	8	2157.52	-54.98	-0.01	-110.96	0.0	908.62	976.45	-63.88	168.61	-54.98	-754.60
		-754.60	-256.98	3.48e-04	0.0	316.2	908.62	865.49	-63.88	168.61	-256.98	2157.52
13	9	1966.84	-50.13	-0.01	-110.96	0.0	826.29	894.45	-60.16	146.35	-50.13	-685.98
		-685.98	-240.35	2.32e-04	0.0	316.2	826.29	783.49	-60.16	146.35	-240.35	1966.84
13	10	1984.60	-51.38	-0.01	-110.96	0.0	833.91	902.93	-59.68	155.80	-51.38	-695.05
		-695.05	-240.08	2.35e-04	0.0	316.2	833.91	791.97	-59.68	155.80	-240.08	1984.60
13	11	1970.88	-52.63	-0.01	-110.96	0.0	822.53	894.75	-62.74	148.43	-52.63	-682.88
		-682.88	-251.01	3.72e-05	0.0	316.2	822.53	783.79	-62.74	148.43	-251.01	1970.88
15	1	2514.23	-64.18	-0.01	-142.69	0.0	1075.49	1203.73	-85.35	182.10	-64.18	-896.53
		-896.53	-321.26	-6.84e-05	0.0	301.2	1075.49	1061.04	-85.35	182.10	-321.26	2514.23
15	2	2523.39	-67.24	-0.01	-142.69	0.0	1078.04	1208.03	-84.88	190.37	-67.24	-900.30
		-900.30	-322.89	-6.21e-05	0.0	301.2	1078.04	1065.34	-84.88	190.37	-322.89	2523.39
15	3	2546.63	-68.40	-0.01	-142.69	0.0	1086.50	1219.18	-85.49	200.80	-68.40	-910.64
		-910.64	-325.90	-4.51e-05	0.0	301.2	1086.50	1076.49	-85.49	200.80	-325.90	2546.63
15	4	2541.82	-68.12	-0.01	-142.69	0.0	1088.91	1216.25	-83.97	196.49	-68.12	-906.63
		-906.63	-321.05	-1.67e-04	0.0	301.2	1088.91	1073.56	-83.97	196.49	-321.05	2541.82
15	5	2682.26	-102.57	-0.02	-142.69	0.0	1144.58	1289.41	-81.07	317.08	-102.57	-986.56
		-986.56	-346.75	-6.98e-05	0.0	301.2	1144.58	1146.72	-81.07	317.08	-346.75	2682.26
15	6	2509.73	-62.57	-0.01	-142.69	0.0	1075.90	1202.26	-84.52	180.86	-62.57	-896.57
		-896.57	-317.15	-4.44e-05	0.0	301.2	1075.90	1059.57	-84.52	180.86	-317.15	2509.73
15	7	2507.07	-60.57	-0.01	-142.69	0.0	1073.11	1200.03	-85.93	173.32	-60.57	-892.54
		-892.54	-319.38	-1.91e-05	0.0	301.2	1073.11	1057.34	-85.93	173.32	-319.38	2507.07
15	8	1962.33	-52.77	-0.01	-105.70	0.0	836.66	936.82	-66.15	154.00	-52.77	-700.19

		-700.19	-252.00	-3.79e-05	0.0	301.2	836.66	831.12	-66.15	154.00	-252.00	1962.33
15	9	1784.86	-45.57	-9.74e-03	-105.70	0.0	763.86	857.31	-60.28	130.92	-45.57	-638.17
		-638.17	-227.12	-3.96e-05	0.0	301.2	763.86	751.61	-60.28	130.92	-227.12	1784.86
15	10	1802.86	-47.92	-9.87e-03	-105.70	0.0	769.98	865.89	-60.35	141.31	-47.92	-646.01
		-646.01	-229.70	-2.67e-05	0.0	301.2	769.98	760.19	-60.35	141.31	-229.70	1802.86
15	11	1782.36	-44.68	-9.75e-03	-105.70	0.0	764.09	856.49	-59.81	130.23	-44.68	-638.20
		-638.20	-224.84	-2.63e-05	0.0	301.2	764.09	750.79	-59.81	130.23	-224.84	1782.36
71	1	3488.10	-176.82	-0.02	-149.80	0.0	880.31	1533.18	-22.34	660.91	-176.82	-1123.01
		-1123.01	-247.46	2.30e-04	0.0	316.2	880.31	1383.39	-22.34	660.91	-247.46	3488.10
71	2	3746.26	-165.82	-0.02	-149.80	0.0	916.29	1581.21	-43.16	589.96	-165.82	-1016.71
		-1016.71	-302.30	6.55e-05	0.0	316.2	916.29	1431.42	-43.16	589.96	-302.30	3746.26
71	3	3576.64	-177.12	-0.02	-149.80	0.0	884.30	1557.22	-23.51	649.80	-177.12	-1110.48
		-1110.48	-246.20	-4.48e-04	0.0	316.2	884.30	1407.43	-23.51	649.80	-246.20	3576.64
71	4	3557.65	-176.46	-0.02	-149.80	0.0	894.42	1555.20	-22.60	651.14	-176.46	-1123.06
		-1123.06	-247.91	2.97e-04	0.0	316.2	894.42	1405.40	-22.60	651.14	-247.91	3557.65
71	5	3496.67	-176.32	-0.02	-149.80	0.0	879.91	1534.25	-22.10	657.33	-176.32	-1117.81
		-1117.81	-246.20	3.02e-04	0.0	316.2	879.91	1384.46	-22.10	657.33	-246.20	3496.67
71	6	3484.03	-176.17	-0.02	-149.80	0.0	885.55	1533.24	-22.51	660.27	-176.17	-1127.25
		-1127.25	-247.35	3.02e-04	0.0	316.2	885.55	1383.45	-22.51	660.27	-247.35	3484.03
71	7	3475.05	-177.51	-0.02	-149.80	0.0	875.14	1530.92	-19.53	664.60	-177.51	-1128.90
		-1128.90	-239.26	2.87e-04	0.0	316.2	875.14	1381.13	-19.53	664.60	-239.26	3475.05
71	8	2755.98	-136.43	-0.01	-110.96	0.0	679.85	1197.07	-18.13	500.91	-136.43	-853.74
		-853.74	-193.75	-4.03e-04	0.0	316.2	679.85	1086.11	-18.13	500.91	-193.75	2755.98
71	9	2479.77	-125.48	-0.01	-110.96	0.0	625.75	1091.96	-15.74	467.64	-125.48	-797.56
		-797.56	-175.26	1.71e-04	0.0	316.2	625.75	981.00	-15.74	467.64	-175.26	2479.77
71	10	2528.96	-125.65	-0.01	-110.96	0.0	627.97	1105.31	-16.39	461.48	-125.65	-790.60
		-790.60	-177.48	-2.05e-04	0.0	316.2	627.97	994.35	-16.39	461.48	-177.48	2528.96
71	11	2477.52	-125.13	-0.01	-110.96	0.0	628.66	1091.99	-15.84	467.29	-125.13	-799.92
		-799.92	-175.20	2.11e-04	0.0	316.2	628.66	981.03	-15.84	467.29	-175.20	2477.52
72	1	3133.95	-162.55	-0.01	-142.69	0.0	806.91	1453.97	-21.94	602.62	-162.55	-1030.53
		-1030.53	-228.64	-2.46e-04	0.0	301.2	806.91	1311.28	-21.94	602.62	-228.64	3133.95
72	2	3145.59	-162.86	-0.01	-142.69	0.0	801.08	1454.71	-21.48	600.15	-162.86	-1021.10
		-1021.10	-227.56	-2.49e-04	0.0	301.2	801.08	1312.02	-21.48	600.15	-227.56	3145.59
72	3	3205.24	-162.83	-0.01	-142.69	0.0	814.52	1475.01	-22.29	592.96	-162.83	-1022.61
		-1022.61	-229.97	-2.76e-04	0.0	301.2	814.52	1332.32	-22.29	592.96	-229.97	3205.24
72	4	3200.46	-164.57	-0.01	-142.69	0.0	804.61	1473.04	-20.70	597.28	-164.57	-1021.45
		-1021.45	-226.90	-5.07e-04	0.0	301.2	804.61	1330.35	-20.70	597.28	-226.90	3200.46
72	5	3542.98	-158.93	-0.02	-142.69	0.0	845.48	1560.31	-33.61	542.46	-158.93	-941.77
		-941.77	-260.16	-5.10e-04	0.0	301.2	845.48	1417.62	-33.61	542.46	-260.16	3542.98
72	6	3135.49	-164.32	-0.01	-142.69	0.0	794.66	1452.64	-20.67	605.60	-164.32	-1024.97
		-1024.97	-226.58	-5.08e-04	0.0	301.2	794.66	1309.95	-20.67	605.60	-226.58	3135.49
72	7	3127.01	-163.66	-0.01	-142.69	0.0	797.70	1451.94	-19.13	606.04	-163.66	-1031.33
		-1031.33	-221.29	-2.63e-04	0.0	301.2	797.70	1309.25	-19.13	606.04	-221.29	3127.01
72	8	2468.61	-125.40	-0.01	-105.70	0.0	626.76	1133.77	-17.09	457.30	-125.40	-787.11
		-787.11	-176.89	-2.11e-04	0.0	301.2	626.76	1028.07	-17.09	457.30	-176.89	2468.61
72	9	2228.86	-115.41	-0.01	-105.70	0.0	573.05	1035.51	-15.49	426.22	-115.41	-730.90
		-730.90	-162.06	-1.80e-04	0.0	301.2	573.05	929.81	-15.49	426.22	-162.06	2228.86
72	10	2268.47	-115.57	-0.01	-105.70	0.0	577.28	1047.19	-15.68	420.86	-115.57	-726.50
		-726.50	-162.81	-1.96e-04	0.0	301.2	577.28	941.50	-15.68	420.86	-162.81	2268.47
72	11	2229.72	-116.40	-0.01	-105.70	0.0	566.24	1034.77	-14.78	427.88	-116.40	-727.81
		-727.81	-160.92	-3.25e-04	0.0	301.2	566.24	929.07	-14.78	427.88	-160.92	2229.72
73	1	3133.10	-256.39	-0.02	-149.80	0.0	1011.78	1327.46	-94.34	325.95	-256.39	-827.50
		-827.50	-554.70	1.83e-04	0.0	316.2	1011.78	1177.66	-94.34	325.95	-554.70	3133.10
73	2	3523.53	-215.40	-0.02	-149.80	0.0	1125.61	1426.74	-130.69	188.71	-215.40	-751.00
		-751.00	-628.65	1.28e-04	0.0	316.2	1125.61	1276.95	-130.69	188.71	-628.65	3523.53
73	3	3228.43	-273.78	-0.02	-149.80	0.0	1045.32	1370.20	-92.04	334.28	-273.78	-867.32
		-867.32	-564.80	-4.94e-04	0.0	316.2	1045.32	1220.40	-92.04	334.28	-564.80	3228.43
73	4	3202.28	-256.57	-0.02	-149.80	0.0	1036.80	1364.54	-93.30	335.80	-256.57	-875.58
		-875.58	-551.59	2.52e-04	0.0	316.2	1036.80	1214.75	-93.30	335.80	-551.59	3202.28
73	5	3149.39	-248.79	-0.02	-149.80	0.0	1015.28	1332.56	-96.12	319.03	-248.79	-827.34
		-827.34	-552.70	2.55e-04	0.0	316.2	1015.28	1182.77	-96.12	319.03	-552.70	3149.39
73	6	3128.28	-250.74	-0.02	-149.80	0.0	1012.55	1327.55	-95.05	325.44	-250.74	-832.59
		-832.59	-551.29	2.56e-04	0.0	316.2	1012.55	1177.75	-95.05	325.44	-551.29	3128.28
73	7	3109.33	-254.57	-0.02	-149.80	0.0	1004.57	1324.63	-90.97	335.41	-254.57	-842.33
		-842.33	-542.23	2.43e-04	0.0	316.2	1004.57	1174.84	-90.97	335.41	-542.23	3109.33
73	8	2490.02	-211.89	-0.01	-110.96	0.0	806.42	1054.05	-71.01	256.21	-211.89	-667.46
		-667.46	-436.42	-4.38e-04	0.0	316.2	806.42	943.09	-71.01	256.21	-436.42	2490.02
73	9	2225.46	-182.18	-0.01	-110.96	0.0	718.74	946.52	-66.36	233.91	-182.18	-592.02
		-592.02	-392.02	1.38e-04	0.0	316.2	718.74	835.56	-66.36	233.91	-392.02	2225.46
73	10	2278.42	-191.84	-0.01	-110.96	0.0	737.37	970.27	-65.08	238.53	-191.84	-614.14
		-614.14	-397.63	-2.38e-04	0.0	316.2	737.37	859.31	-65.08	238.53	-397.63	2278.42
73	11	2222.78	-179.04	-0.01	-110.96	0.0	719.17	946.57	-66.76	233.62	-179.04	-594.84

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74	1	-594.84	-390.13	1.79e-04	0.0	316.2	719.17	835.61	-66.76	233.62	-390.13	2222.78
		2834.53	-228.95	-0.01	-142.69	0.0	908.39	1262.32	-93.79	298.23	-228.95	-752.67
		-752.67	-511.45	-2.00e-04	0.0	301.2	908.39	1119.63	-93.79	298.23	-511.45	2834.53
74	2	2855.01	-227.38	-0.01	-142.69	0.0	910.36	1266.95	-94.82	292.39	-227.38	-746.16
		-746.16	-512.98	-2.03e-04	0.0	301.2	910.36	1124.26	-94.82	292.39	-512.98	2855.01
74	3	2917.45	-233.55	-0.01	-142.69	0.0	934.03	1304.54	-92.80	305.90	-233.55	-796.92
		-796.92	-513.07	-2.30e-04	0.0	301.2	934.03	1161.85	-92.80	305.90	-513.07	2917.45
74	4	2897.74	-189.81	-0.01	-142.69	0.0	947.79	1309.50	-99.86	322.94	-189.81	-831.58
		-831.58	-490.58	-4.66e-04	0.0	301.2	947.79	1166.81	-99.86	322.94	-490.58	2897.74
74	5	3325.12	-204.87	-0.02	-142.69	0.0	1056.00	1435.96	-121.87	202.97	-204.87	-785.10
		-785.10	-571.94	-4.53e-04	0.0	301.2	1056.00	1293.27	-121.87	202.97	-571.94	3325.12
74	6	2837.27	-230.75	-0.01	-142.69	0.0	896.82	1261.83	-92.87	301.62	-230.75	-748.47
		-748.47	-510.48	-4.61e-04	0.0	301.2	896.82	1119.14	-92.87	301.62	-510.48	2837.27
74	7	2818.39	-232.11	-0.01	-142.69	0.0	901.36	1259.95	-90.01	306.55	-232.11	-761.67
		-761.67	-503.21	-2.19e-04	0.0	301.2	901.36	1117.26	-90.01	306.55	-503.21	2818.39
74	8	2249.27	-179.49	-0.01	-105.70	0.0	720.22	1003.63	-71.72	234.48	-179.49	-614.47
		-614.47	-395.52	-1.76e-04	0.0	301.2	720.22	897.93	-71.72	234.48	-395.52	2249.27
74	9	2014.41	-163.44	-9.82e-03	-105.70	0.0	645.24	900.14	-65.93	213.97	-163.44	-537.63
		-537.63	-362.01	-1.47e-04	0.0	301.2	645.24	794.44	-65.93	213.97	-362.01	2014.41
74	10	2060.48	-166.00	-0.01	-105.70	0.0	659.49	923.60	-65.38	218.23	-166.00	-562.22
		-562.22	-362.91	-1.64e-04	0.0	301.2	659.49	817.90	-65.38	218.23	-362.91	2060.48
74	11	2015.93	-164.44	-9.83e-03	-105.70	0.0	638.82	899.87	-65.42	215.85	-164.44	-535.30
		-535.30	-361.47	-2.92e-04	0.0	301.2	638.82	794.17	-65.42	215.85	-361.47	2015.93
75	1	3230.02	-196.20	-0.02	-149.80	0.0	929.45	1332.66	-119.96	283.82	-196.20	-747.03
		-747.03	-575.51	1.29e-04	0.0	316.2	929.45	1182.86	-119.96	283.82	-575.51	3230.02
75	2	3764.86	-127.44	-0.02	-149.80	0.0	1048.94	1496.40	-165.98	129.61	-127.44	-729.91
		-729.91	-652.26	1.86e-04	0.0	316.2	1048.94	1346.60	-165.98	129.61	-652.26	3764.86
75	3	3353.05	-197.44	-0.02	-149.80	0.0	730.84	1354.90	-123.15	356.35	-197.44	-694.33
		-694.33	-586.84	-5.64e-04	0.0	316.2	730.84	1205.11	-123.15	356.35	-586.84	3353.05
75	4	3203.66	-221.88	-0.02	-149.80	0.0	1027.48	1362.21	-105.42	328.54	-221.88	-866.83
		-866.83	-555.22	2.16e-04	0.0	316.2	1027.48	1212.41	-105.42	328.54	-555.22	3203.66
75	5	3219.42	-197.22	-0.02	-149.80	0.0	1035.55	1348.55	-117.23	264.41	-197.22	-807.86
		-807.86	-567.89	2.13e-04	0.0	316.2	1035.55	1198.75	-117.23	264.41	-567.89	3219.42
75	6	3191.28	-199.69	-0.02	-149.80	0.0	1016.12	1335.68	-116.29	273.95	-199.69	-795.30
		-795.30	-567.40	2.10e-04	0.0	316.2	1016.12	1185.88	-116.29	273.95	-567.40	3191.28
75	7	3148.46	-207.34	-0.02	-149.80	0.0	1004.88	1328.32	-109.26	294.18	-207.34	-814.87
		-814.87	-552.81	2.02e-04	0.0	316.2	1004.88	1178.52	-109.26	294.18	-552.81	3148.46
75	8	2594.57	-150.43	-0.01	-110.96	0.0	537.58	1040.87	-96.22	278.06	-150.43	-521.23
		-521.23	-454.66	-4.95e-04	0.0	316.2	537.58	929.91	-96.22	278.06	-454.66	2594.57
75	9	2283.70	-141.76	-0.01	-110.96	0.0	673.85	949.81	-83.21	204.50	-141.76	-544.17
		-544.17	-404.87	1.02e-04	0.0	316.2	673.85	838.85	-83.21	204.50	-404.87	2283.70
75	10	2352.05	-142.45	-0.01	-110.96	0.0	563.51	962.17	-84.98	244.79	-142.45	-514.90
		-514.90	-411.17	-2.82e-04	0.0	316.2	563.51	851.21	-84.98	244.79	-411.17	2352.05
75	11	2262.18	-143.70	-0.01	-110.96	0.0	722.00	951.49	-81.17	199.01	-143.70	-570.99
		-570.99	-400.36	1.48e-04	0.0	316.2	722.00	840.53	-81.17	199.01	-400.36	2262.18
76	1	2877.02	-190.72	-0.01	-142.69	0.0	945.10	1273.01	-106.24	251.90	-190.72	-742.40
		-742.40	-510.71	-1.70e-04	0.0	301.2	945.10	1130.32	-106.24	251.90	-510.71	2877.02
76	2	2906.76	-188.09	-0.01	-142.69	0.0	962.26	1286.19	-107.44	241.79	-188.09	-752.35
		-752.35	-511.69	-1.76e-04	0.0	301.2	962.26	1143.50	-107.44	241.79	-511.69	2906.76
76	3	2901.68	-211.14	-0.01	-142.69	0.0	963.03	1305.51	-94.26	299.61	-211.14	-815.63
		-815.63	-495.06	-2.12e-04	0.0	301.2	963.03	1162.82	-94.26	299.61	-495.06	2901.68
76	4	2895.94	-263.89	-0.01	-142.69	0.0	997.81	1305.88	-82.09	287.01	-263.89	-822.47
		-822.47	-511.15	-4.43e-04	0.0	301.2	997.81	1163.19	-82.09	287.01	-511.15	2895.94
76	5	3255.16	-207.87	-0.02	-142.69	0.0	1115.85	1471.55	-103.77	256.39	-207.87	-962.27
		-962.27	-520.42	-4.58e-04	0.0	301.2	1115.85	1328.86	-103.77	256.39	-520.42	3255.16
76	6	2873.20	-196.30	-0.01	-142.69	0.0	958.73	1274.28	-100.70	249.59	-196.30	-750.04
		-750.04	-499.62	-4.40e-04	0.0	301.2	958.73	1131.59	-100.70	249.59	-499.62	2873.20
76	7	2838.91	-197.08	-0.01	-142.69	0.0	934.73	1266.59	-99.56	269.34	-197.08	-761.16
		-761.16	-496.94	-1.94e-04	0.0	301.2	934.73	1123.90	-99.56	269.34	-496.94	2838.91
76	8	2235.51	-163.04	-0.01	-105.70	0.0	741.56	1004.08	-72.40	231.96	-163.04	-629.61
		-629.61	-381.11	-1.61e-04	0.0	301.2	741.56	898.39	-72.40	231.96	-381.11	2235.51
76	9	2039.76	-137.04	-9.80e-03	-105.70	0.0	671.41	906.92	-74.09	182.74	-137.04	-532.71
		-532.71	-360.21	-1.27e-04	0.0	301.2	671.41	801.23	-74.09	182.74	-360.21	2039.76
76	10	2053.46	-148.38	-9.92e-03	-105.70	0.0	681.37	924.98	-67.44	209.24	-148.38	-573.40
		-573.40	-351.51	-1.50e-04	0.0	301.2	681.37	819.28	-67.44	209.24	-351.51	2053.46
76	11	2037.64	-140.13	-9.81e-03	-105.70	0.0	678.98	907.63	-71.02	181.45	-140.13	-536.96
		-536.96	-354.05	-2.77e-04	0.0	301.2	678.98	801.93	-71.02	181.45	-354.05	2037.64
77	1	3196.49	-162.85	-0.02	-149.80	0.0	1124.77	1348.64	-102.92	224.43	-162.85	-831.09
		-831.09	-488.28	1.71e-04	0.0	316.2	1124.77	1198.85	-102.92	224.43	-488.28	3196.49
77	2	3530.09	-161.77	-0.02	-149.80	0.0	1402.43	1545.60	-94.63	217.97	-161.77	-1120.27
		-1120.27	-460.98	7.25e-05	0.0	316.2	1402.43	1395.80	-94.63	217.97	-460.98	3530.09
77	3	3007.90	-192.89	-0.02	-149.80	0.0	1332.85	1355.03	-54.63	285.00	-192.89	-1039.89

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77	4	-1039.89	-365.64	-4.14e-04	0.0	316.2	1332.85	1205.24	-54.63	285.00	-365.64	3007.90
		3165.09	-194.92	-0.02	-149.80	0.0	1050.13	1340.68	-100.80	298.06	-194.92	-837.30
		-837.30	-513.66	2.25e-04	0.0	316.2	1050.13	1190.88	-100.80	298.06	-513.66	3165.09
77	5	3233.90	-172.75	-0.02	-149.80	0.0	1091.65	1362.77	-110.11	245.45	-172.75	-838.36
		-838.36	-520.92	2.24e-04	0.0	316.2	1091.65	1212.98	-110.11	245.45	-520.92	3233.90
77	6	3221.40	-164.96	-0.02	-149.80	0.0	1089.25	1346.59	-114.85	222.99	-164.96	-799.70
		-799.70	-528.11	2.16e-04	0.0	316.2	1089.25	1196.80	-114.85	222.99	-528.11	3221.40
77	7	3140.52	-178.11	-0.02	-149.80	0.0	1055.42	1325.48	-104.61	259.27	-178.11	-813.81
		-813.81	-508.89	2.11e-04	0.0	316.2	1055.42	1175.68	-104.61	259.27	-508.89	3140.52
77	8	2302.51	-148.79	-0.01	-110.96	0.0	1047.40	1041.40	-38.37	219.31	-148.79	-814.98
		-814.98	-270.12	-3.69e-04	0.0	316.2	1047.40	930.44	-38.37	219.31	-270.12	2302.51
77	9	2262.26	-118.90	-0.01	-110.96	0.0	789.32	958.07	-72.84	166.97	-118.90	-591.72
		-591.72	-349.21	1.28e-04	0.0	316.2	789.32	847.11	-72.84	166.97	-349.21	2262.26
77	10	2157.49	-135.59	-0.01	-110.96	0.0	904.92	961.62	-46.01	200.62	-135.59	-707.72
		-707.72	-281.07	-1.97e-04	0.0	316.2	904.92	850.66	-46.01	200.62	-281.07	2157.49
77	11	2276.10	-120.07	-0.01	-110.96	0.0	769.59	956.93	-79.46	166.17	-120.07	-574.28
		-574.28	-371.33	1.53e-04	0.0	316.2	769.59	845.97	-79.46	166.17	-371.33	2276.10
78	1	2928.51	-158.19	-0.01	-142.69	0.0	962.94	1278.87	-121.95	220.63	-158.19	-708.57
		-708.57	-525.51	-1.38e-04	0.0	301.2	962.94	1136.18	-121.95	220.63	-525.51	2928.51
78	2	2949.74	-164.80	-0.01	-142.69	0.0	972.26	1301.10	-117.82	241.24	-164.80	-754.29
		-754.29	-519.67	-1.47e-04	0.0	301.2	972.26	1158.41	-117.82	241.24	-519.67	2949.74
78	3	2877.47	-183.98	-0.01	-142.69	0.0	932.37	1274.77	-111.13	290.63	-183.98	-747.26
		-747.26	-518.69	-1.74e-04	0.0	301.2	932.37	1132.08	-111.13	290.63	-518.69	2877.47
78	4	2879.54	-182.48	-0.01	-142.69	0.0	926.50	1271.92	-118.35	288.77	-182.48	-736.59
		-736.59	-538.94	3.92e-04	0.0	301.2	926.50	1129.23	-118.35	288.77	-538.94	2879.54
78	5	3118.25	-254.84	-0.02	-142.69	0.0	985.21	1428.80	-111.09	485.47	-254.84	-970.41
		-970.41	-589.43	-4.22e-04	0.0	301.2	985.21	1286.11	-111.09	485.47	-589.43	3118.25
78	6	2941.11	-157.55	-0.01	-142.69	0.0	954.01	1280.30	-130.97	223.78	-157.55	-700.25
		-700.25	-552.04	3.80e-04	0.0	301.2	954.01	1137.61	-130.97	223.78	-552.04	2941.11
78	7	2851.85	-169.59	-0.01	-142.69	0.0	933.14	1258.65	-111.82	253.62	-169.59	-724.30
		-724.30	-506.40	-1.65e-04	0.0	301.2	933.14	1115.96	-111.82	253.62	-506.40	2851.85
78	8	2215.31	-142.12	-0.01	-105.70	0.0	715.82	978.61	-85.82	224.93	-142.12	-573.08
		-573.08	-400.59	-1.32e-04	0.0	301.2	715.82	872.91	-85.82	224.93	-400.59	2215.31
78	9	2068.74	-114.77	-9.89e-03	-105.70	0.0	680.89	908.89	-84.63	163.62	-114.77	-509.67
		-509.67	-369.66	-1.06e-04	0.0	301.2	680.89	803.20	-84.63	163.62	-369.66	2068.74
78	10	2040.38	-129.10	-9.84e-03	-105.70	0.0	663.91	906.62	-78.61	202.51	-129.10	-531.16
		-531.16	-365.87	-1.26e-04	0.0	301.2	663.91	800.92	-78.61	202.51	-365.87	2040.38
78	11	2075.74	-114.41	-9.89e-03	-105.70	0.0	675.93	909.68	-89.64	165.37	-114.41	-505.05
		-505.05	-384.40	2.40e-04	0.0	301.2	675.93	803.99	-89.64	165.37	-384.40	2075.74
79	1	3353.91	-22.21	-0.02	-149.80	0.0	1333.71	1409.88	-133.45	114.78	-22.21	-867.32
		-867.32	-444.20	2.00e-04	0.0	316.2	1333.71	1260.09	-133.45	114.78	-444.20	3353.91
79	2	3552.74	-170.20	-0.02	-149.80	0.0	1319.15	1529.99	-113.67	357.53	-170.20	-1048.26
		-1048.26	-529.63	6.55e-05	0.0	316.2	1319.15	1380.20	-113.67	357.53	-529.63	3552.74
79	3	3297.14	-107.43	-0.02	-149.80	0.0	1223.15	1367.95	-130.75	158.79	-107.43	-791.49
		-791.49	-520.87	-4.82e-04	0.0	316.2	1223.15	1218.15	-130.75	158.79	-520.87	3297.14
79	4	3267.33	-88.79	-0.02	-149.80	0.0	1265.66	1367.55	-112.68	145.22	-88.79	-820.02
		-820.02	-445.07	2.65e-04	0.0	316.2	1265.66	1217.75	-112.68	145.22	-445.07	3267.33
79	5	3325.39	-86.07	-0.02	-149.80	0.0	1288.64	1395.43	-114.78	147.48	-86.07	-850.12
		-850.12	-449.01	2.65e-04	0.0	316.2	1288.64	1245.63	-114.78	147.48	-449.01	3325.39
79	6	3374.59	-66.60	-0.02	-149.80	0.0	1315.21	1402.47	-125.49	96.64	-66.60	-823.19
		-823.19	-463.38	2.52e-04	0.0	316.2	1315.21	1252.67	-125.49	96.64	-463.38	3374.59
79	7	3258.12	-78.54	-0.02	-149.80	0.0	1264.50	1360.38	-116.24	124.99	-78.54	-806.57
		-806.57	-446.10	2.48e-04	0.0	316.2	1264.50	1210.58	-116.24	124.99	-446.10	3258.12
79	8	2545.01	-82.45	-0.01	-110.96	0.0	939.08	1050.28	-103.19	119.57	-82.45	-600.54
		-600.54	-408.74	-4.31e-04	0.0	316.2	939.08	939.32	-103.19	119.57	-408.74	2545.01
79	9	2361.81	-27.24	-0.01	-110.96	0.0	934.99	996.67	-90.65	88.82	-27.24	-614.24
		-614.24	-313.87	1.50e-04	0.0	316.2	934.99	885.71	-90.65	88.82	-313.87	2361.81
79	10	2330.27	-74.59	-0.01	-110.96	0.0	873.57	973.38	-89.15	113.27	-74.59	-572.12
		-572.12	-356.47	-2.28e-04	0.0	316.2	873.57	862.42	-89.15	113.27	-356.47	2330.27
79	11	2373.30	-51.90	-0.01	-110.96	0.0	924.71	992.55	-86.22	78.74	-51.90	-589.73
		-589.73	-324.53	1.80e-04	0.0	316.2	924.71	881.59	-86.22	78.74	-324.53	2373.30
80	1	3069.74	-65.72	-0.01	-142.69	0.0	1191.06	1333.05	-118.23	108.15	-65.72	-730.52
		-730.52	-421.83	-1.84e-04	0.0	301.2	1191.06	1190.36	-118.23	108.15	-421.83	3069.74
80	2	3022.04	-83.54	-0.01	-142.69	0.0	1167.03	1326.21	-107.38	155.75	-83.54	-757.61
		-757.61	-406.96	-2.00e-04	0.0	301.2	1167.03	1183.52	-107.38	155.75	-406.96	3022.04
80	3	2955.35	-83.86	-0.01	-142.69	0.0	1144.53	1292.46	-105.42	149.53	-83.86	-722.65
		-722.65	-401.39	-2.29e-04	0.0	301.2	1144.53	1149.77	-105.42	149.53	-401.39	2955.35
80	4	2953.81	-82.22	-0.01	-142.69	0.0	1147.61	1292.53	-105.75	147.62	-82.22	-724.39
		-724.39	-400.74	4.53e-04	0.0	301.2	1147.61	1149.84	-105.75	147.62	-400.74	2953.81
80	5	3124.78	-168.33	-0.02	-142.69	0.0	1196.06	1408.26	-81.96	344.65	-168.33	-902.00
		-902.00	-415.20	5.03e-04	0.0	301.2	1196.06	1265.57	-81.96	344.65	-415.20	3124.78
80	6	3064.70	-63.17	-0.01	-142.69	0.0	1196.67	1332.84	-116.81	105.87	-63.17	-734.94

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80	7	-734.94	-414.99	4.41e-04	0.0	301.2	1196.67	1190.15	-116.81	105.87	-414.99	3064.70
		2949.49	-76.10	-0.01	-142.69	0.0	1141.11	1286.49	-108.90	133.39	-76.10	-710.53
		-710.53	-404.11	-2.12e-04	0.0	301.2	1141.11	1143.80	-108.90	133.39	-404.11	2949.49
80	8	2278.95	-62.94	-0.01	-105.70	0.0	882.00	991.99	-82.05	111.87	-62.94	-549.73
		-549.73	-310.08	-1.73e-04	0.0	301.2	882.00	886.29	-82.05	111.87	-310.08	2278.95
80	9	2156.65	-50.65	-0.01	-105.70	0.0	836.97	942.66	-81.22	85.51	-50.65	-523.46
		-523.46	-295.29	-1.39e-04	0.0	301.2	836.97	836.96	-81.22	85.51	-295.29	2156.65
80	10	2093.10	-60.73	-9.98e-03	-105.70	0.0	811.12	920.11	-74.10	108.50	-60.73	-519.09
		-519.09	-283.93	-1.64e-04	0.0	301.2	811.12	814.41	-74.10	108.50	-283.93	2093.10
80	11	2153.85	-49.24	-0.01	-105.70	0.0	840.09	942.54	-80.43	84.24	-49.24	-525.91
		-525.91	-291.48	2.82e-04	0.0	301.2	840.09	836.85	-80.43	84.24	-291.48	2153.85
81	1	3638.62	-29.29	-0.02	-149.80	0.0	1867.85	1582.47	-119.80	-260.94	-29.29	-1128.34
		-1128.34	-408.11	3.04e-04	0.0	316.2	1867.85	1432.68	-119.80	-260.94	-408.11	3638.62
81	2	3758.26	-33.34	-0.02	-149.80	0.0	1868.81	1652.79	-114.42	-36.17	-33.34	-1231.04
		-1231.04	-395.14	6.93e-05	0.0	316.2	1868.81	1502.99	-114.42	-36.17	-395.14	3758.26
81	3	3542.71	14.50	-0.02	-149.80	0.0	1778.83	1540.63	-124.03	-222.90	14.50	-1091.94
		-1091.94	-377.67	-3.58e-04	0.0	316.2	1778.83	1390.84	-124.03	-222.90	-377.67	3542.71
81	4	3549.32	13.86	-0.02	-149.80	0.0	1771.79	1541.42	-123.67	-221.98	13.86	-1087.84
		-1087.84	-377.20	3.71e-04	0.0	316.2	1771.79	1391.63	-123.67	-221.98	-377.20	3549.32
81	5	3580.00	11.03	-0.02	-149.80	0.0	1785.66	1556.95	-122.96	-204.40	11.03	-1106.25
		-1106.25	-377.76	3.76e-04	0.0	316.2	1785.66	1407.16	-122.96	-204.40	-377.76	3580.00
81	6	3655.96	20.48	-0.02	-149.80	0.0	1822.40	1587.06	-127.91	-237.57	20.48	-1125.50
		-1125.50	-383.97	3.63e-04	0.0	316.2	1822.40	1437.27	-127.91	-237.57	-383.97	3655.96
81	7	3542.89	17.23	-0.02	-149.80	0.0	1769.26	1537.88	-124.63	-231.64	17.23	-1083.07
		-1083.07	-376.85	3.54e-04	0.0	316.2	1769.26	1388.09	-124.63	-231.64	-376.85	3542.89
81	8	2744.61	13.67	-0.01	-110.96	0.0	1380.21	1188.46	-98.00	-185.25	13.67	-837.86
		-837.86	-296.20	-3.35e-04	0.0	316.2	1380.21	1077.50	-98.00	-185.25	-296.20	2744.61
81	9	2548.99	-16.52	-0.01	-110.96	0.0	1299.62	1113.89	-82.99	-165.36	-16.52	-797.70
		-797.70	-278.93	2.25e-04	0.0	316.2	1299.62	1002.93	-82.99	-165.36	-278.93	2548.99
81	10	2495.71	7.81	-0.01	-110.96	0.0	1250.17	1090.65	-85.33	-144.22	7.81	-777.48
		-777.48	-262.01	-1.43e-04	0.0	316.2	1250.17	979.69	-85.33	-144.22	-262.01	2495.71
81	11	2558.62	11.13	-0.01	-110.96	0.0	1274.37	1116.44	-87.49	-152.37	11.13	-796.13
		-796.13	-265.52	2.58e-04	0.0	316.2	1274.37	1005.48	-87.49	-152.37	-265.52	2558.62
82	1	3337.64	19.10	-0.02	-142.69	0.0	1691.39	1545.79	-127.34	-221.28	19.10	-1103.39
		-1103.39	-364.46	-2.83e-04	0.0	301.2	1691.39	1403.10	-127.34	-221.28	-364.46	3337.64
82	2	3255.38	10.55	-0.02	-142.69	0.0	1652.83	1510.27	-122.13	-191.32	10.55	-1078.68
		-1078.68	-357.32	2.98e-04	0.0	301.2	1652.83	1367.58	-122.13	-191.32	-357.32	3255.38
82	3	3226.14	13.95	-0.02	-142.69	0.0	1638.49	1494.59	-123.24	-210.45	13.95	-1060.67
		-1060.67	-357.26	3.23e-04	0.0	301.2	1638.49	1351.90	-123.24	-210.45	-357.26	3226.14
82	4	3225.33	14.39	-0.02	-142.69	0.0	1638.22	1494.09	-123.48	-211.63	14.39	-1059.98
		-1059.98	-357.54	5.46e-04	0.0	301.2	1638.22	1351.40	-123.48	-211.63	-357.54	3225.33
82	5	3323.73	-19.73	-0.02	-142.69	0.0	1684.33	1548.95	-112.31	-99.94	-19.73	-1126.81
		-1126.81	-358.01	6.07e-04	0.0	301.2	1684.33	1406.26	-112.31	-99.94	-358.01	3323.73
82	6	3335.63	18.90	-0.02	-142.69	0.0	1689.41	1544.98	-127.50	-218.62	18.90	-1102.97
		-1102.97	-365.13	5.38e-04	0.0	301.2	1689.41	1402.29	-127.50	-218.62	-365.13	3335.63
82	7	3220.05	16.48	-0.02	-142.69	0.0	1636.16	1491.47	-124.07	-217.41	16.48	-1057.36
		-1057.36	-357.22	3.06e-04	0.0	301.2	1636.16	1348.78	-124.07	-217.41	-357.22	3220.05
82	8	2500.52	13.03	-0.01	-105.70	0.0	1270.90	1153.58	-97.38	-174.81	13.03	-814.89
		-814.89	-280.29	2.45e-04	0.0	301.2	1270.90	1047.88	-97.38	-174.81	-280.29	2500.52
82	9	2333.22	10.49	-0.01	-105.70	0.0	1181.99	1085.81	-87.13	-142.23	10.49	-778.07
		-778.07	-251.96	-2.09e-04	0.0	301.2	1181.99	980.12	-87.13	-142.23	-251.96	2333.22
82	10	2271.28	7.62	-0.01	-105.70	0.0	1152.60	1057.37	-84.85	-136.21	7.62	-754.34
		-754.34	-247.96	2.31e-04	0.0	301.2	1152.60	951.67	-84.85	-136.21	-247.96	2271.28
82	11	2332.11	10.37	-0.01	-105.70	0.0	1180.89	1085.37	-87.22	-140.75	10.37	-777.84
		-777.84	-252.33	3.51e-04	0.0	301.2	1180.89	979.67	-87.22	-140.75	-252.33	2332.11
111	1	5936.45	-58.68	-0.02	-149.80	0.0	4324.78	1485.40	2.44	1227.88	-58.68	1476.43
		1476.43	-66.41	5.37e-04	0.0	316.2	4324.78	1335.61	2.44	1227.88	-66.41	5936.45
111	2	6508.32	-128.86	-0.02	-149.80	0.0	4680.89	1566.33	-26.77	1074.28	-128.86	1792.39
		1792.39	-213.50	4.98e-04	0.0	316.2	4680.89	1416.54	-26.77	1074.28	-213.50	6508.32
111	3	5778.50	-74.97	-0.02	-149.80	0.0	4241.74	1440.15	-4.92	1162.55	-74.97	1461.57
		1461.57	-90.53	5.55e-04	0.0	316.2	4241.74	1290.35	-4.92	1162.55	-90.53	5778.50
111	4	5795.20	-78.62	-0.02	-149.80	0.0	4236.00	1440.13	-4.09	1164.17	-78.62	1478.33
		1478.33	-91.56	1.69e-04	0.0	316.2	4236.00	1290.34	-4.09	1164.17	-91.56	5795.20
111	5	5853.66	-78.05	-0.02	-149.80	0.0	4281.19	1453.02	-3.93	1165.94	-78.05	1496.02
		1496.02	-90.46	1.71e-04	0.0	316.2	4281.19	1303.23	-3.93	1165.94	-90.46	5853.66
111	6	5942.06	-63.33	-0.02	-149.80	0.0	4364.42	1483.12	-0.05	1219.22	-63.33	1489.28
		1489.28	-63.49	1.81e-04	0.0	316.2	4364.42	1333.32	-0.05	1219.22	-63.49	5942.06
111	7	5735.59	-67.64	-0.02	-149.80	0.0	4207.82	1432.82	-1.53	1175.56	-67.64	1441.84
		1441.84	-72.47	1.83e-04	0.0	316.2	4207.82	1283.02	-1.53	1175.56	-72.47	5735.59
111	8	4463.35	-52.88	-0.01	-110.96	0.0	3275.02	1112.31	-3.09	909.05	-52.88	1121.64
		1121.64	-62.65	4.60e-04	0.0	316.2	3275.02	1001.36	-3.09	909.05	-62.65	4463.35
111	9	4170.31	-52.86	-0.01	-110.96	0.0	3044.17	1042.89	0.08	847.19	-52.86	1048.11

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111	10	1048.11	-53.11	3.26e-04	0.0	316.2	3044.17	931.94	0.08	847.19	-52.86	4170.31
		4082.56	-57.87	-0.01	-110.96	0.0	2998.03	1017.75	-4.01	810.89	-57.87	1039.85
		1039.85	-70.55	3.36e-04	0.0	316.2	2998.03	906.79	-4.01	810.89	-70.55	4082.56
111	11	4173.43	-51.40	-0.01	-110.96	0.0	3066.19	1041.62	-1.31	842.38	-51.40	1055.25
		1055.25	-55.53	1.28e-04	0.0	316.2	3066.19	930.66	-1.31	842.38	-55.53	4173.43
112	1	6956.39	89.68	-0.01	-149.80	0.0	6844.44	1024.14	46.92	1117.84	-58.68	3954.89
		3954.89	-58.68	6.71e-04	0.0	316.2	6844.44	874.34	46.92	1117.84	89.68	6956.39
112	2	7638.31	-109.33	-0.01	-149.80	0.0	7314.60	1079.06	32.95	1021.82	-213.50	4463.15
		4463.15	-213.50	6.51e-04	0.0	316.2	7314.60	929.27	32.95	1021.82	-109.33	7638.31
112	3	6770.18	48.37	-0.01	-149.80	0.0	6672.59	992.71	43.93	1062.85	-90.53	3868.06
		3868.06	-90.53	6.95e-04	0.0	316.2	6672.59	842.91	43.93	1062.85	48.37	6770.18
112	4	6785.47	50.13	-0.01	-149.80	0.0	6668.58	992.56	44.81	1064.74	-91.56	3883.81
		3883.81	-91.56	3.08e-04	0.0	316.2	6668.58	842.77	44.81	1064.74	50.13	6785.47
112	5	6854.53	53.56	-0.01	-149.80	0.0	6738.64	1001.09	45.55	1068.18	-90.46	3925.92
		3925.92	-90.46	3.08e-04	0.0	316.2	6738.64	851.29	45.55	1068.18	53.56	6854.53
112	6	6961.51	86.55	-0.01	-149.80	0.0	6877.08	1022.03	47.45	1110.54	-63.49	3966.69
		3966.69	-63.49	3.16e-04	0.0	316.2	6877.08	872.23	47.45	1110.54	86.55	6961.51
112	7	6719.15	69.93	-0.01	-149.80	0.0	6629.30	988.16	45.03	1071.14	-72.47	3831.41
		3831.41	-72.47	3.19e-04	0.0	316.2	6629.30	838.37	45.03	1071.14	69.93	6719.15
112	8	5231.12	44.60	-0.01	-110.96	0.0	5156.50	766.28	33.92	828.98	-62.65	2983.57
		2983.57	-62.65	5.67e-04	0.0	316.2	5156.50	655.32	33.92	828.98	44.60	5231.12
112	9	4884.69	50.87	-9.58e-03	-110.96	0.0	4807.33	719.52	32.81	773.90	-52.86	2784.99
		2784.99	-52.86	4.21e-04	0.0	316.2	4807.33	608.56	32.81	773.90	50.87	4884.69
112	10	4781.24	27.93	-9.39e-03	-110.96	0.0	4711.86	702.06	31.14	743.35	-70.55	2736.75
		2736.75	-70.55	4.34e-04	0.0	316.2	4711.86	591.10	31.14	743.35	27.93	4781.24
112	11	4887.53	49.14	-9.59e-03	-110.96	0.0	4825.46	718.35	33.10	769.84	-55.53	2791.54
		2791.54	-55.53	2.24e-04	0.0	316.2	4825.46	607.39	33.10	769.84	49.14	4887.53
113	1	7358.70	244.63	-8.48e-03	-149.80	0.0	8440.93	605.01	49.01	1002.50	89.68	5682.48
		5682.48	89.68	7.43e-04	0.0	316.2	8440.93	455.22	49.01	1002.50	244.63	7358.70
113	2	8067.88	48.33	-9.15e-03	-149.80	0.0	8977.02	618.79	49.86	981.83	-109.33	6348.08
		6348.08	-109.33	7.46e-04	0.0	316.2	8977.02	469.00	49.86	981.83	48.33	8067.88
113	3	7158.34	200.60	-8.27e-03	-149.80	0.0	8211.17	585.50	48.14	960.80	48.37	5543.80
		5543.80	48.37	7.74e-04	0.0	316.2	8211.17	435.71	48.14	960.80	200.60	7158.34
113	4	7170.95	201.64	-8.27e-03	-149.80	0.0	8211.34	585.73	47.92	962.91	50.13	5555.71
		5555.71	50.13	3.87e-04	0.0	316.2	8211.34	435.93	47.92	962.91	201.64	7170.95
113	5	7244.40	205.75	-8.35e-03	-149.80	0.0	8296.71	589.85	48.13	968.37	53.56	5616.14
		5616.14	53.56	3.83e-04	0.0	316.2	8296.71	440.05	48.13	968.37	205.75	7244.40
113	6	7361.52	241.61	-8.50e-03	-149.80	0.0	8470.79	603.68	49.04	996.92	86.55	5689.52
		5689.52	86.55	3.88e-04	0.0	316.2	8470.79	453.88	49.04	996.92	241.61	7361.52
113	7	7103.94	220.15	-8.20e-03	-149.80	0.0	8165.64	584.47	47.51	962.70	69.93	5492.67
		5492.67	69.93	3.94e-04	0.0	316.2	8165.64	434.68	47.51	962.70	220.15	7103.94
113	8	5532.37	162.18	-6.39e-03	-110.96	0.0	6347.85	451.43	37.18	746.77	44.60	4280.39
		4280.39	44.60	6.28e-04	0.0	316.2	6347.85	340.47	37.18	746.77	162.18	5532.37
113	9	5165.22	159.89	-5.95e-03	-110.96	0.0	5923.97	425.59	34.48	697.56	50.87	3994.93
		3994.93	50.87	4.74e-04	0.0	316.2	5923.97	314.63	34.48	697.56	159.89	5165.22
113	10	5053.91	135.43	-5.83e-03	-110.96	0.0	5796.32	414.75	34.00	674.39	27.93	3917.89
		3917.89	27.93	4.91e-04	0.0	316.2	5796.32	303.79	34.00	674.39	135.43	5053.91
113	11	5166.78	158.21	-5.96e-03	-110.96	0.0	5940.56	424.85	34.50	694.46	49.14	3998.85
		3998.85	49.14	2.76e-04	0.0	316.2	5940.56	313.89	34.50	694.46	158.21	5166.78
114	1	7194.58	389.64	-2.70e-03	-149.80	0.0	9181.41	219.90	45.86	847.73	244.63	6736.09
		6736.09	244.63	7.75e-04	0.0	316.2	9181.41	70.10	45.86	847.73	389.64	7194.58
114	2	7834.67	216.31	-2.80e-03	-149.80	0.0	9728.40	188.45	53.13	914.38	48.33	7475.62
		7475.62	48.33	7.90e-04	0.0	316.2	9728.40	38.65	53.13	914.38	216.31	7834.67
114	3	6993.93	348.04	-2.64e-03	-149.80	0.0	8920.69	211.25	46.63	820.35	200.60	6562.78
		6562.78	200.60	8.14e-04	0.0	316.2	8920.69	61.46	46.63	820.35	348.04	6993.93
114	4	7003.54	344.80	-2.63e-03	-149.80	0.0	8926.76	211.86	45.28	822.52	201.64	6570.48
		6570.48	201.64	4.27e-04	0.0	316.2	8926.76	62.06	45.28	822.52	344.80	7003.54
114	5	7074.86	347.99	-2.66e-03	-149.80	0.0	9018.31	211.63	44.98	829.69	205.75	6642.50
		6642.50	205.75	4.19e-04	0.0	316.2	9018.31	61.84	44.98	829.69	347.99	7074.86
114	6	7195.01	383.59	-2.72e-03	-149.80	0.0	9211.09	219.25	44.90	843.48	241.61	6738.56
		6738.56	241.61	4.20e-04	0.0	316.2	9211.09	69.46	44.90	843.48	383.59	7195.01
114	7	6941.76	360.24	-2.62e-03	-149.80	0.0	8879.26	213.62	44.30	816.00	220.15	6503.12
		6503.12	220.15	4.30e-04	0.0	316.2	8879.26	63.82	44.30	816.00	360.24	6941.76
114	8	5406.77	276.26	-2.04e-03	-110.96	0.0	6897.93	162.13	36.08	634.94	162.18	5069.53
		5069.53	162.18	6.59e-04	0.0	316.2	6897.93	51.17	36.08	634.94	276.26	5406.77
114	9	5047.81	262.09	-1.89e-03	-110.96	0.0	6440.88	155.42	32.32	593.46	159.89	4731.80
		4731.80	159.89	4.97e-04	0.0	316.2	6440.88	44.46	32.32	593.46	262.09	5047.81
114	10	4936.34	238.98	-1.86e-03	-110.96	0.0	6296.03	150.62	32.75	578.25	135.43	4635.52
		4635.52	135.43	5.19e-04	0.0	316.2	6296.03	39.66	32.75	578.25	238.98	4936.34
114	11	5048.05	258.73	-1.90e-03	-110.96	0.0	6457.37	155.06	31.79	591.10	158.21	4733.18
		4733.18	158.21	3.00e-04	0.0	316.2	6457.37	44.10	31.79	591.10	258.73	5048.05
115	1	7171.36	515.77	-3.22e-03	-149.80	0.0	9137.16	-139.28	39.89	657.67	389.64	7171.36

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115	2	6494.15	389.64	7.66e-04	0.0	316.2	9137.16	-289.07	39.89	657.67	515.77	6494.15
		7867.22	410.36	-3.68e-03	-149.80	0.0	9656.61	-205.88	61.37	790.14	216.31	7867.22
		6979.41	216.31	8.02e-04	0.0	316.2	9656.61	-355.67	61.37	790.14	410.36	6979.41
115	3	6978.75	481.12	-3.12e-03	-149.80	0.0	8870.10	-137.33	42.09	644.11	348.04	6978.75
		6307.67	348.04	8.13e-04	0.0	316.2	8870.10	-287.13	42.09	644.11	481.12	6307.67
115	4	6982.71	469.52	-3.13e-03	-149.80	0.0	8883.12	-136.60	39.44	646.73	344.80	6982.71
		6313.96	344.80	4.27e-04	0.0	316.2	8883.12	-286.39	39.44	646.73	469.52	6313.96
115	5	7059.45	470.38	-3.16e-03	-149.80	0.0	8972.04	-141.05	38.71	655.61	347.99	7059.45
		6376.63	347.99	4.16e-04	0.0	316.2	8972.04	-290.85	38.71	655.61	470.38	6376.63
115	6	7170.37	502.91	-3.20e-03	-149.80	0.0	9168.19	-139.56	37.73	654.86	383.59	7170.37
		6492.25	383.59	4.14e-04	0.0	316.2	9168.19	-289.35	37.73	654.86	502.91	6492.25
115	7	6917.38	480.28	-3.09e-03	-149.80	0.0	8838.11	-132.21	37.96	634.81	360.24	6917.38
		6262.51	360.24	4.28e-04	0.0	316.2	8838.11	-282.00	37.96	634.81	480.28	6262.51
115	8	5392.73	379.54	-2.40e-03	-110.96	0.0	6860.18	-107.28	32.66	495.46	276.26	5392.73
		4878.07	276.26	6.57e-04	0.0	316.2	6860.18	-218.24	32.66	495.46	379.54	4878.07
115	9	5034.47	350.95	-2.26e-03	-110.96	0.0	6407.83	-96.55	28.10	464.41	262.09	5034.47
		4553.76	262.09	4.93e-04	0.0	316.2	6407.83	-207.51	28.10	464.41	350.95	4553.76
115	10	4927.46	331.70	-2.21e-03	-110.96	0.0	6259.46	-95.47	29.32	456.88	238.98	4927.46
		4450.16	238.98	5.19e-04	0.0	316.2	6259.46	-206.43	29.32	456.88	331.70	4450.16
115	11	5033.92	343.80	-2.25e-03	-110.96	0.0	6425.07	-96.71	26.91	462.85	258.73	5033.92
		4552.71	258.73	2.97e-04	0.0	316.2	6425.07	-207.67	26.91	462.85	343.80	4552.71
116	1	7033.13	599.81	-8.78e-03	-149.80	0.0	8360.16	-477.70	26.58	441.16	515.77	7033.13
		5285.81	515.77	7.20e-04	0.0	316.2	8360.16	-627.49	26.58	441.16	599.81	5285.81
116	2	7620.64	545.00	-9.69e-03	-149.80	0.0	8783.70	-563.20	42.58	628.41	410.36	7620.64
		5602.96	410.36	7.56e-04	0.0	316.2	8783.70	-713.00	42.58	628.41	545.00	5602.96
116	3	6836.12	576.05	-8.53e-03	-149.80	0.0	8110.38	-464.91	30.02	439.67	481.12	6836.12
		5129.26	481.12	7.72e-04	0.0	316.2	8110.38	-614.70	30.02	439.67	576.05	5129.26
116	4	6836.87	552.10	-8.54e-03	-149.80	0.0	8130.58	-464.52	26.12	443.35	469.52	6836.87
		5131.24	469.52	3.92e-04	0.0	316.2	8130.58	-614.32	26.12	443.35	552.10	5131.24
116	5	6911.21	550.05	-8.63e-03	-149.80	0.0	8208.68	-472.92	25.20	453.93	470.38	6911.21
		5178.99	470.38	3.78e-04	0.0	316.2	8208.68	-622.72	25.20	453.93	550.05	5178.99
116	6	7029.81	576.78	-8.76e-03	-149.80	0.0	8392.93	-478.11	23.36	440.03	502.91	7029.81
		5281.19	502.91	3.73e-04	0.0	316.2	8392.93	-627.91	23.36	440.03	576.78	5281.19
116	7	6779.36	557.24	-8.46e-03	-149.80	0.0	8091.69	-458.14	24.34	427.38	480.28	6779.36
		5093.88	480.28	3.92e-04	0.0	316.2	8091.69	-607.94	24.34	427.38	557.24	5093.88
116	8	5284.48	453.58	-6.58e-03	-110.96	0.0	6274.04	-360.51	23.42	334.25	379.54	5284.48
		3969.12	379.54	6.25e-04	0.0	316.2	6274.04	-471.47	23.42	334.25	453.58	3969.12
116	9	4934.34	410.08	-6.17e-03	-110.96	0.0	5861.29	-333.84	18.70	316.48	350.95	4934.34
		3703.31	350.95	4.62e-04	0.0	316.2	5861.29	-444.80	18.70	316.48	410.08	3703.31
116	10	4824.89	396.87	-6.02e-03	-110.96	0.0	5722.52	-326.73	20.61	315.66	331.70	4824.89
		3616.34	331.70	4.91e-04	0.0	316.2	5722.52	-437.69	20.61	315.66	396.87	3616.34
116	11	4932.50	397.28	-6.16e-03	-110.96	0.0	5879.49	-334.07	16.91	315.85	343.80	4932.50
		3700.74	343.80	2.69e-04	0.0	316.2	5879.49	-445.03	16.91	315.85	397.28	3700.74
117	1	6367.58	599.81	-0.01	-149.80	0.0	6877.48	-798.87	-8.22	213.19	599.81	6367.58
		3604.71	573.81	-6.46e-04	0.0	316.2	6877.48	-948.67	-8.22	213.19	573.81	3604.71
117	2	6796.20	556.49	-0.01	-149.80	0.0	7181.87	-888.55	3.63	428.42	545.00	6796.20
		3749.78	545.00	-6.84e-04	0.0	316.2	7181.87	-1038.35	3.63	428.42	556.49	3749.78
117	3	6182.49	576.05	-0.01	-149.80	0.0	6667.71	-774.68	-5.15	222.26	576.05	6182.49
		3496.11	559.77	-7.01e-04	0.0	316.2	6667.71	-924.48	-5.15	222.26	559.77	3496.11
117	4	6178.73	552.10	-0.01	-149.80	0.0	6696.20	-775.78	-4.51	224.05	552.10	6178.73
		3488.88	537.83	3.34e-04	0.0	316.2	6696.20	-925.58	-4.51	224.05	537.83	3488.88
117	5	6242.83	550.05	-0.01	-149.80	0.0	6756.92	-787.44	-5.11	235.92	550.05	6242.83
		3516.12	533.89	3.20e-04	0.0	316.2	6756.92	-937.24	-5.11	235.92	533.89	3516.12
117	6	6361.50	576.78	-0.01	-149.80	0.0	6912.84	-800.46	-7.93	211.38	576.78	6361.50
		3593.63	551.72	3.11e-04	0.0	316.2	6912.84	-950.25	-7.93	211.38	551.72	3593.63
117	7	6133.28	557.24	-0.01	-149.80	0.0	6666.53	-768.23	-6.20	205.63	557.24	6133.28
		3467.32	537.65	3.33e-04	0.0	316.2	6666.53	-918.02	-6.20	205.63	537.65	3467.32
117	8	4781.82	453.58	-0.01	-110.96	0.0	5159.24	-600.11	-4.19	163.44	453.58	4781.82
		2708.84	440.34	-5.68e-04	0.0	316.2	5159.24	-711.07	-4.19	163.44	440.34	2708.84
117	9	4463.75	410.08	-9.52e-03	-110.96	0.0	4820.76	-558.85	-5.20	159.69	410.08	4463.75
		2521.24	393.65	-4.13e-04	0.0	316.2	4820.76	-669.81	-5.20	159.69	393.65	2521.24
117	10	4360.92	396.87	-9.30e-03	-110.96	0.0	4704.23	-545.41	-3.49	164.72	396.87	4360.92
		2460.90	385.85	-4.43e-04	0.0	316.2	4704.23	-656.37	-3.49	164.72	385.85	2460.90
117	11	4460.38	397.28	-9.51e-03	-110.96	0.0	4840.40	-559.73	-5.03	158.68	397.28	4460.38
		2515.08	381.37	2.27e-04	0.0	316.2	4840.40	-670.69	-5.03	158.68	381.37	2515.08
118	1	5232.59	573.81	-0.02	-149.80	0.0	4688.08	-1112.38	-68.57	-13.78	573.81	5232.59
		1478.40	357.00	-5.93e-04	0.0	316.2	4688.08	-1262.18	-68.57	-13.78	357.00	1478.40
118	2	5489.70	556.49	-0.02	-149.80	0.0	4862.73	-1194.23	-59.57	207.21	556.49	5489.70
		1476.71	368.14	-6.35e-04	0.0	316.2	4862.73	-1344.03	-59.57	207.21	368.14	1476.71
118	3	5075.18	559.77	-0.02	-149.80	0.0	4544.22	-1076.63	-66.55	3.79	559.77	5075.18
		1434.04	349.34	-6.46e-04	0.0	316.2	4544.22	-1226.43	-66.55	3.79	349.34	1434.04
118	4	5072.43	537.83	-0.02	-149.80	0.0	4568.50	-1079.45	-56.91	0.83	537.83	5072.43

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118	5	1422.39	357.88	-2.93e-04	0.0	316.2	4568.50	-1229.24	-56.91	0.83	357.88	1422.39
		5118.40	533.89	-0.02	-149.80	0.0	4607.54	-1092.84	-54.97	11.48	533.89	5118.40
		1426.01	360.07	-2.82e-04	0.0	316.2	4607.54	-1242.64	-54.97	11.48	360.07	1426.01
118	6	5228.24	551.72	-0.02	-149.80	0.0	4716.21	-1115.58	-58.06	-20.73	551.72	5228.24
		1463.94	368.14	-2.72e-04	0.0	316.2	4716.21	-1265.38	-58.06	-20.73	368.14	1463.94
118	7	5041.03	537.65	-0.02	-149.80	0.0	4550.79	-1071.57	-56.17	-19.75	537.65	5041.03
		1415.91	360.03	-2.95e-04	0.0	316.2	4550.79	-1221.36	-56.17	-19.75	360.03	1415.91
118	8	3928.51	440.34	-0.01	-110.96	0.0	3517.69	-834.02	-52.79	-7.45	440.34	3928.51
		1115.90	273.42	-5.24e-04	0.0	316.2	3517.69	-944.98	-52.79	-7.45	273.42	1115.90
118	9	3664.39	393.65	-0.01	-110.96	0.0	3284.82	-778.11	-46.04	2.36	393.65	3664.39
		1028.59	248.08	-3.78e-04	0.0	316.2	3284.82	-889.07	-46.04	2.36	248.08	1028.59
118	10	3576.94	385.85	-0.01	-110.96	0.0	3204.90	-758.25	-44.92	12.12	385.85	3576.94
		1003.94	243.82	-4.07e-04	0.0	316.2	3204.90	-869.21	-44.92	12.12	243.82	1003.94
118	11	3661.97	381.37	-0.01	-110.96	0.0	3300.45	-779.88	-40.20	-1.50	381.37	3661.97
		1020.55	254.27	-2.00e-04	0.0	316.2	3300.45	-890.84	-40.20	-1.50	254.27	1020.55
119	1	3618.21	357.00	-0.02	-149.80	0.0	1854.85	-1458.80	-122.29	-227.93	357.00	3618.21
		-1231.35	-29.67	-6.41e-04	0.0	316.2	1854.85	-1608.60	-122.29	-227.93	-29.67	-1231.35
119	2	3718.50	368.14	-0.02	-149.80	0.0	1904.59	-1521.63	-108.39	-23.06	368.14	3718.50
		-1329.72	25.40	-6.92e-04	0.0	316.2	1904.59	-1671.42	-108.39	-23.06	25.40	-1329.72
119	3	3504.16	349.34	-0.02	-149.80	0.0	1803.16	-1410.48	-117.40	-207.63	349.34	3504.16
		-1192.60	-21.88	-6.94e-04	0.0	316.2	1803.16	-1560.27	-117.40	-207.63	-21.88	-1192.60
119	4	3515.38	357.88	-0.02	-149.80	0.0	1799.18	-1413.35	-118.46	-202.76	357.88	3515.38
		-1190.46	-16.68	-3.32e-04	0.0	316.2	1799.18	-1563.15	-118.46	-202.76	-16.68	-1190.46
119	5	3541.39	360.07	-0.02	-149.80	0.0	1809.69	-1425.55	-118.78	-192.35	360.07	3541.39
		-1203.03	-15.51	-3.21e-04	0.0	316.2	1809.69	-1575.35	-118.78	-192.35	-15.51	-1203.03
119	6	3629.92	368.14	-0.02	-149.80	0.0	1850.15	-1461.56	-124.24	-225.80	368.14	3629.92
		-1228.35	-24.72	-3.08e-04	0.0	316.2	1850.15	-1611.35	-124.24	-225.80	-24.72	-1228.35
119	7	3501.43	360.03	-0.02	-149.80	0.0	1790.44	-1405.27	-120.76	-220.57	360.03	3501.43
		-1178.86	-21.81	-3.30e-04	0.0	316.2	1790.44	-1555.07	-120.76	-220.57	-21.81	-1178.86
119	8	2715.19	273.42	-0.01	-110.96	0.0	1398.87	-1093.30	-92.66	-173.02	273.42	2715.19
		-917.25	-19.57	-5.62e-04	0.0	316.2	1398.87	-1204.26	-92.66	-173.02	-19.57	-917.25
119	9	2531.48	248.08	-0.01	-110.96	0.0	1296.22	-1019.61	-83.83	-145.54	248.08	2531.48
		-867.95	-16.99	-4.10e-04	0.0	316.2	1296.22	-1130.57	-83.83	-145.54	-16.99	-867.95
119	10	2468.12	243.82	-0.01	-110.96	0.0	1267.50	-992.76	-81.11	-134.26	243.82	2468.12
		-846.42	-12.66	-4.40e-04	0.0	316.2	1267.50	-1103.72	-81.11	-134.26	-12.66	-846.42
119	11	2537.99	254.27	-0.01	-110.96	0.0	1293.61	-1021.14	-84.91	-144.35	254.27	2537.99
		-866.28	-14.23	-2.25e-04	0.0	316.2	1293.61	-1132.10	-84.91	-144.35	-14.23	-866.28
120	1	5389.39	-38.28	-0.01	-142.69	0.0	3989.69	1420.01	20.04	1108.94	-98.66	1327.21
		1327.21	-98.66	-1.93e-04	0.0	301.2	3989.69	1277.32	20.04	1108.94	-38.28	5389.39
120	2	5305.34	-63.43	-0.01	-142.69	0.0	3910.49	1389.98	16.05	1061.26	-111.77	1333.61
		1333.61	-111.77	-1.82e-04	0.0	301.2	3910.49	1247.29	16.05	1061.26	-63.43	5305.34
120	3	5250.24	-63.93	-0.01	-142.69	0.0	3868.69	1377.92	16.00	1062.40	-112.12	1314.84
		1314.84	-112.12	-1.70e-04	0.0	301.2	3868.69	1235.23	16.00	1062.40	-63.93	5250.24
120	4	5253.10	-71.34	-0.01	-142.69	0.0	3894.35	1379.57	15.54	1056.14	-118.15	1312.74
		1312.74	-118.15	-6.06e-05	0.0	301.2	3894.35	1236.88	15.54	1056.14	-71.34	5253.10
120	5	5929.04	-173.10	-0.02	-142.69	0.0	4294.59	1497.90	-5.67	965.32	-173.10	1632.24
		1632.24	-190.19	-2.06e-05	0.0	301.2	4294.59	1355.21	-5.67	965.32	-190.19	5929.04
120	6	5386.18	-40.23	-0.01	-142.69	0.0	4007.81	1421.20	19.69	1104.72	-99.53	1320.43
		1320.43	-99.53	-1.74e-04	0.0	301.2	4007.81	1278.51	19.69	1104.72	-40.23	5386.18
120	7	5199.03	-46.32	-0.01	-142.69	0.0	3846.03	1371.65	18.02	1070.49	-100.61	1282.51
		1282.51	-100.61	-1.53e-04	0.0	301.2	3846.03	1228.96	18.02	1070.49	-46.32	5199.03
120	8	4056.81	-42.37	-0.01	-105.70	0.0	2986.60	1064.49	13.21	831.59	-82.15	1009.74
		1009.74	-82.15	-1.33e-04	0.0	301.2	2986.60	958.80	13.21	831.59	-42.37	4056.81
120	9	3784.22	-37.24	-0.01	-105.70	0.0	2802.58	996.96	12.79	765.78	-75.77	940.55
		940.55	-75.77	-1.29e-04	0.0	301.2	2802.58	891.27	12.79	765.78	-37.24	3784.22
120	10	3706.92	-51.48	-9.92e-03	-105.70	0.0	2735.35	973.58	10.55	739.92	-83.25	933.67
		933.67	-83.25	-1.16e-04	0.0	301.2	2735.35	867.88	10.55	739.92	-51.48	3706.92
120	11	3782.44	-38.32	-0.01	-105.70	0.0	2812.64	997.62	12.59	763.43	-76.25	936.78
		936.78	-76.25	-1.19e-04	0.0	301.2	2812.64	891.93	12.59	763.43	-38.32	3782.44
121	1	6343.74	97.20	-0.01	-142.69	0.0	6272.55	983.77	44.98	1018.25	-38.28	3595.51
		3595.51	-38.28	-2.96e-04	0.0	301.2	6272.55	841.08	44.98	1018.25	97.20	6343.74
121	2	6241.59	66.30	-0.01	-142.69	0.0	6140.59	962.69	43.07	980.05	-63.43	3556.87
		3556.87	-63.43	-2.88e-04	0.0	301.2	6140.59	820.00	43.07	980.05	66.30	6241.59
121	3	6176.80	64.31	-0.01	-142.69	0.0	6076.69	954.79	42.58	979.11	-63.93	3515.86
		3515.86	-63.93	-2.77e-04	0.0	301.2	6076.69	812.10	42.58	979.11	64.31	6176.80
121	4	6178.04	55.60	-0.01	-142.69	0.0	6108.98	955.85	42.14	974.35	-71.34	3513.91
		3513.91	-71.34	-4.94e-05	0.0	301.2	6108.98	813.16	42.14	974.35	55.60	6178.04
121	5	6979.77	-101.26	-0.01	-142.69	0.0	6686.20	1035.54	29.53	930.80	-190.19	4075.61
		4075.61	-190.19	-1.39e-04	0.0	301.2	6686.20	892.85	29.53	930.80	-101.26	6979.77
121	6	6338.64	93.57	-0.01	-142.69	0.0	6297.05	984.79	44.43	1014.38	-40.23	3587.35
		3587.35	-40.23	-2.78e-04	0.0	301.2	6297.05	842.10	44.43	1014.38	93.57	6338.64
121	7	6119.25	82.07	-0.01	-142.69	0.0	6046.20	951.12	42.63	982.84	-46.32	3469.38

121	8	3469.38	-46.32	-2.57e-04	0.0	301.2	6046.20	808.43	42.63	982.84	82.07	6119.25
		4774.24	57.05	-8.38e-03	-105.70	0.0	4696.08	737.22	33.01	764.37	-42.37	2712.92
		2712.92	-42.37	-2.16e-04	0.0	301.2	4696.08	631.52	33.01	764.37	57.05	4774.24
121	9	4452.46	57.07	-7.82e-03	-105.70	0.0	4400.43	691.18	31.31	705.56	-37.24	2529.81
		2529.81	-37.24	-2.03e-04	0.0	301.2	4400.43	585.48	31.31	705.56	57.07	4452.46
121	10	4359.71	38.80	-7.65e-03	-105.70	0.0	4291.61	675.08	29.97	683.82	-51.48	2485.56
		2485.56	-51.48	-1.93e-04	0.0	301.2	4291.61	569.38	29.97	683.82	38.80	4359.71
121	11	4449.63	55.06	-7.82e-03	-105.70	0.0	4414.04	691.74	31.00	703.41	-38.32	2525.28
		2525.28	-38.32	-1.93e-04	0.0	301.2	4414.04	586.05	31.00	703.41	55.06	4449.63
122	1	6718.08	241.06	-6.88e-03	-142.69	0.0	7742.81	585.54	47.76	908.12	97.20	5169.32
		5169.32	97.20	-3.58e-04	0.0	301.2	7742.81	442.85	47.76	908.12	241.06	6718.08
122	2	6606.24	207.39	-6.75e-03	-142.69	0.0	7576.53	571.58	46.84	882.29	66.30	5099.52
		5099.52	66.30	-3.52e-04	0.0	301.2	7576.53	428.89	46.84	882.29	207.39	6606.24
122	3	6537.66	204.98	-6.68e-03	-142.69	0.0	7499.12	567.96	46.70	878.99	64.31	5041.84
		5041.84	64.31	-3.45e-04	0.0	301.2	7499.12	425.27	46.70	878.99	204.98	6537.66
122	4	6535.22	193.82	-6.66e-03	-142.69	0.0	7538.01	568.33	45.89	876.07	55.60	5038.30
		5038.30	55.60	-1.19e-04	0.0	301.2	7538.01	425.64	45.89	876.07	193.82	6535.22
122	5	7371.84	45.07	-7.40e-03	-142.69	0.0	8223.50	596.89	48.58	890.51	-101.26	5788.91
		5788.91	-101.26	-2.24e-04	0.0	301.2	8223.50	454.20	48.58	890.51	45.07	7371.84
122	6	6710.55	235.91	-6.88e-03	-142.69	0.0	7773.22	586.22	47.26	904.50	93.57	5159.75
		5159.75	93.57	-3.41e-04	0.0	301.2	7773.22	443.53	47.26	904.50	235.91	6710.55
122	7	6479.29	221.15	-6.63e-03	-142.69	0.0	7463.87	567.00	46.18	877.10	82.07	4986.39
		4986.39	82.07	-3.22e-04	0.0	301.2	7463.87	424.31	46.18	877.10	221.15	6479.29
122	8	5054.25	165.71	-5.17e-03	-105.70	0.0	5798.06	438.12	36.08	683.82	57.05	3893.82
		3893.82	57.05	-2.68e-04	0.0	301.2	5798.06	332.42	36.08	683.82	165.71	5054.25
122	9	4713.66	158.19	-4.82e-03	-105.70	0.0	5428.83	411.87	33.57	632.28	57.07	3632.29
		3632.29	57.07	-2.47e-04	0.0	301.2	5428.83	306.17	33.57	632.28	158.19	4713.66
122	10	4613.42	138.15	-4.71e-03	-105.70	0.0	5293.45	402.10	32.98	616.09	38.80	3561.46
		3561.46	38.80	-2.41e-04	0.0	301.2	5293.45	296.41	32.98	616.09	138.15	4613.42
122	11	4709.47	155.33	-4.82e-03	-105.70	0.0	5445.73	412.25	33.29	630.27	55.06	3626.97
		3626.97	55.06	-2.38e-04	0.0	301.2	5445.73	306.55	33.29	630.27	155.33	4709.47
123	1	6571.57	371.04	-2.11e-03	-142.69	0.0	8439.76	218.05	43.15	763.92	241.06	6129.69
		6129.69	241.06	-3.85e-04	0.0	301.2	8439.76	75.36	43.15	763.92	371.04	6571.57
123	2	6457.05	337.40	-2.05e-03	-142.69	0.0	8255.50	210.41	43.17	751.41	207.39	6038.18
		6038.18	207.39	-3.82e-04	0.0	301.2	8255.50	67.72	43.17	751.41	337.40	6457.05
123	3	6390.80	335.71	-2.04e-03	-142.69	0.0	8173.00	211.04	43.40	745.91	204.98	5970.03
		5970.03	204.98	-3.79e-04	0.0	301.2	8173.00	68.35	43.40	745.91	335.71	6390.80
123	4	6383.04	320.11	-2.02e-03	-142.69	0.0	8217.33	210.53	41.93	745.25	193.82	5963.81
		5963.81	193.82	-1.57e-04	0.0	301.2	8217.33	67.84	41.93	745.25	320.11	6383.04
123	5	7156.36	190.25	-2.15e-03	-142.69	0.0	8938.17	186.55	48.20	829.87	45.07	6809.36
		6809.36	45.07	-2.63e-04	0.0	301.2	8938.17	43.86	48.20	829.87	190.25	7156.36
123	6	6560.99	364.01	-2.12e-03	-142.69	0.0	8475.29	218.29	42.53	760.69	235.91	6118.38
		6118.38	235.91	-3.71e-04	0.0	301.2	8475.29	75.61	42.53	760.69	364.01	6560.99
123	7	6336.71	348.99	-2.03e-03	-142.69	0.0	8136.30	212.62	42.44	738.69	221.15	5911.18
		5911.18	221.15	-3.53e-04	0.0	301.2	8136.30	69.93	42.44	738.69	348.99	6336.71
123	8	4941.98	266.59	-1.58e-03	-105.70	0.0	6321.10	162.22	33.49	577.79	165.71	4612.55
		4612.55	165.71	-2.94e-04	0.0	301.2	6321.10	56.53	33.49	577.79	266.59	4941.98
123	9	4609.07	250.11	-1.47e-03	-105.70	0.0	5915.28	154.05	30.52	535.10	158.19	4304.26
		4304.26	158.19	-2.68e-04	0.0	301.2	5915.28	48.35	30.52	535.10	250.11	4609.07
123	10	4508.64	230.48	-1.43e-03	-105.70	0.0	5767.08	150.15	30.66	525.10	138.15	4215.56
		4215.56	138.15	-2.65e-04	0.0	301.2	5767.08	44.46	30.66	525.10	230.48	4508.64
123	11	4603.19	246.21	-1.48e-03	-105.70	0.0	5935.02	154.18	30.17	533.31	155.33	4297.97
		4297.97	155.33	-2.60e-04	0.0	301.2	5935.02	48.49	30.17	533.31	246.21	4603.19
124	1	6528.59	475.53	-2.80e-03	-142.69	0.0	8419.99	-125.76	34.69	588.35	371.04	6528.59
		5934.89	371.04	-3.81e-04	0.0	301.2	8419.99	-268.45	34.69	588.35	475.53	5934.89
124	2	6422.97	444.43	-2.77e-03	-142.69	0.0	8232.67	-127.17	35.53	589.00	337.40	6422.97
		5825.04	337.40	-3.82e-04	0.0	301.2	8232.67	-269.86	35.53	589.00	444.43	5825.04
124	3	6350.80	444.22	-2.73e-03	-142.69	0.0	8153.24	-122.41	36.03	581.37	335.71	6350.80
		5767.21	335.71	-3.81e-04	0.0	301.2	8153.24	-265.10	36.03	581.37	444.22	5767.21
124	4	6340.75	422.54	-2.75e-03	-142.69	0.0	8201.25	-123.94	34.01	583.12	320.11	6340.75
		5752.56	320.11	-1.64e-04	0.0	301.2	8201.25	-266.63	34.01	583.12	422.54	5752.56
124	5	7160.65	352.88	-3.22e-03	-142.69	0.0	8903.51	-190.77	53.99	716.14	190.25	7160.65
		6371.16	190.25	-2.82e-04	0.0	301.2	8903.51	-333.46	53.99	716.14	352.88	6371.16
124	6	6514.91	466.29	-2.78e-03	-142.69	0.0	8459.81	-125.94	33.96	585.31	364.01	6514.91
		5920.70	364.01	-3.71e-04	0.0	301.2	8459.81	-268.63	33.96	585.31	466.29	5920.70
124	7	6293.94	453.66	-2.70e-03	-142.69	0.0	8118.22	-118.65	34.75	569.61	348.99	6293.94
		5721.67	348.99	-3.54e-04	0.0	301.2	8118.22	-261.34	34.75	569.61	453.66	5721.67
124	8	4908.28	350.24	-2.11e-03	-105.70	0.0	6307.73	-95.51	27.77	447.49	266.59	4908.28
		4461.41	266.59	-2.95e-04	0.0	301.2	6307.73	-201.21	27.77	447.49	350.24	4461.41
124	9	4581.94	324.52	-1.97e-03	-105.70	0.0	5899.40	-87.12	24.70	415.75	250.11	4581.94
		4160.34	250.11	-2.67e-04	0.0	301.2	5899.40	-192.82	24.70	415.75	324.52	4160.34
124	10	4483.16	307.12	-1.93e-03	-105.70	0.0	5751.20	-85.26	25.44	411.87	230.48	4483.16

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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124	11	4067.18	230.48	-2.67e-04	0.0	301.2	5751.20	-190.96	25.44	411.87	307.12	4067.18
		4574.34	319.38	-1.96e-03	-105.70	0.0	5921.52	-87.22	24.29	414.06	246.21	4574.34
		4152.45	246.21	-2.61e-04	0.0	301.2	5921.52	-192.92	24.29	414.06	319.38	4152.45
125	1	6408.17	532.60	-7.40e-03	-142.69	0.0	7725.31	-450.72	18.95	389.20	475.53	6408.17
		4835.70	475.53	-3.52e-04	0.0	301.2	7725.31	-593.41	18.95	389.20	532.60	4835.70
125	2	6295.50	506.37	-7.29e-03	-142.69	0.0	7549.64	-445.42	20.57	401.84	444.43	6295.50
		4739.00	444.43	-3.56e-04	0.0	301.2	7549.64	-588.11	20.57	401.84	506.37	4739.00
125	3	6226.14	507.55	-7.21e-03	-142.69	0.0	7480.71	-436.87	21.03	392.23	444.22	6226.14
		4695.41	444.22	-3.57e-04	0.0	301.2	7480.71	-579.55	21.03	392.23	507.55	4695.41
125	4	6210.28	481.65	-7.22e-03	-142.69	0.0	7531.15	-439.46	19.63	395.66	422.54	6210.28
		4671.72	422.54	-1.49e-04	0.0	301.2	7531.15	-582.15	19.63	395.66	481.65	4671.72
125	5	6935.45	452.10	-8.19e-03	-142.69	0.0	8129.63	-534.37	32.94	570.44	352.88	6935.45
		5111.05	352.88	-2.61e-04	0.0	301.2	8129.63	-677.06	32.94	570.44	452.10	5111.05
125	6	6390.88	522.58	-7.37e-03	-142.69	0.0	7769.26	-451.08	18.69	385.39	466.29	6390.88
		4817.33	466.29	-3.47e-04	0.0	301.2	7769.26	-593.77	18.69	385.39	522.58	4817.33
125	7	6175.88	513.11	-7.14e-03	-142.69	0.0	7450.22	-431.46	19.74	376.99	453.66	6175.88
		4661.44	453.66	-3.29e-04	0.0	301.2	7450.22	-574.15	19.74	376.99	513.11	4661.44
125	8	4813.64	398.89	-5.57e-03	-105.70	0.0	5789.49	-338.65	16.15	298.27	350.24	4813.64
		3634.44	350.24	-2.76e-04	0.0	301.2	5789.49	-444.35	16.15	298.27	398.89	3634.44
125	9	4494.84	365.84	-5.20e-03	-105.70	0.0	5410.62	-314.90	13.72	279.56	324.52	4494.84
		3387.18	324.52	-2.47e-04	0.0	301.2	5410.62	-420.60	13.72	279.56	365.84	3387.18
125	10	4393.72	351.92	-5.10e-03	-105.70	0.0	5274.74	-307.20	14.87	281.24	307.12	4393.72
		3309.24	307.12	-2.50e-04	0.0	301.2	5274.74	-412.90	14.87	281.24	351.92	3309.24
125	11	4485.24	360.27	-5.18e-03	-105.70	0.0	5435.04	-315.10	13.57	277.44	319.38	4485.24
		3376.97	319.38	-2.44e-04	0.0	301.2	5435.04	-420.80	13.57	277.44	360.27	3376.97
126	1	5809.92	532.60	-0.01	-142.69	0.0	6377.76	-760.82	-9.97	175.86	532.60	5809.92
		3303.44	502.56	-3.13e-04	0.0	301.2	6377.76	-903.51	-9.97	175.86	502.56	3303.44
126	2	5697.68	506.37	-0.01	-142.69	0.0	6229.35	-747.84	-7.37	198.26	506.37	5697.68
		3230.30	484.17	-3.19e-04	0.0	301.2	6229.35	-890.53	-7.37	198.26	484.17	3230.30
126	3	5638.41	507.55	-0.01	-142.69	0.0	6176.93	-736.34	-7.41	187.33	507.55	5638.41
		3205.65	485.23	-3.21e-04	0.0	301.2	6176.93	-879.03	-7.41	187.33	485.23	3205.65
126	4	5613.33	481.65	-0.01	-142.69	0.0	6230.04	-740.02	-0.51	186.68	481.65	5613.33
		3169.48	480.11	-1.28e-04	0.0	301.2	6230.04	-882.71	-0.51	186.68	480.11	3169.48
126	5	6184.69	473.42	-0.01	-142.69	0.0	6681.01	-849.76	7.08	380.97	452.10	6184.69
		3410.33	452.10	-2.36e-04	0.0	301.2	6681.01	-992.45	7.08	380.97	473.42	3410.33
126	6	5786.68	522.58	-0.01	-142.69	0.0	6427.75	-760.90	-5.90	167.40	522.58	5786.68
		3279.95	504.80	-3.15e-04	0.0	301.2	6427.75	-903.59	-5.90	167.40	504.80	3279.95
126	7	5597.94	513.11	-0.01	-142.69	0.0	6153.59	-729.82	-8.06	169.61	513.11	5597.94
		3184.83	488.84	-2.92e-04	0.0	301.2	6153.59	-872.51	-8.06	169.61	488.84	3184.83
126	8	4361.47	398.89	-8.55e-03	-105.70	0.0	4782.63	-570.41	-5.94	137.09	398.89	4361.47
		2484.21	381.00	-2.48e-04	0.0	301.2	4782.63	-676.11	-5.94	137.09	381.00	2484.21
126	9	4072.22	365.84	-7.98e-03	-105.70	0.0	4464.82	-531.99	-6.48	132.95	365.84	4072.22
		2310.70	346.32	-2.20e-04	0.0	301.2	4464.82	-637.68	-6.48	132.95	346.32	2310.70
126	10	3976.94	351.92	-7.81e-03	-105.70	0.0	4353.25	-518.39	-5.06	139.31	351.92	3976.94
		2256.37	336.69	-2.25e-04	0.0	301.2	4353.25	-624.09	-5.06	139.31	336.69	2256.37
126	11	4059.31	360.27	-7.96e-03	-105.70	0.0	4492.59	-532.03	-4.22	128.24	360.27	4059.31
		2297.65	347.56	-2.22e-04	0.0	301.2	4492.59	-637.73	-4.22	128.24	347.56	2297.65
127	1	4800.73	502.56	-0.01	-142.69	0.0	4350.00	-1063.90	-41.30	-53.40	502.56	4800.73
		1381.38	378.16	-3.04e-04	0.0	301.2	4350.00	-1206.59	-41.30	-53.40	378.16	1381.38
127	2	4697.06	484.17	-0.01	-142.69	0.0	4246.85	-1041.57	-38.50	-23.66	484.17	4697.06
		1344.97	368.21	-3.12e-04	0.0	301.2	4246.85	-1184.26	-38.50	-23.66	368.21	1344.97
127	3	4654.73	485.23	-0.01	-142.69	0.0	4214.97	-1028.93	-39.12	-34.56	485.23	4654.73
		1340.71	367.40	-3.14e-04	0.0	301.2	4214.97	-1171.62	-39.12	-34.56	367.40	1340.71
127	4	4631.92	480.11	-0.01	-142.69	0.0	4250.70	-1031.33	-24.32	-41.75	480.11	4631.92
		1310.65	406.87	-1.27e-04	0.0	301.2	4250.70	-1174.02	-24.32	-41.75	406.87	1310.65
127	5	5020.84	473.42	-0.02	-142.69	0.0	4523.90	-1145.13	-22.22	154.76	473.42	5020.84
		1356.83	406.48	-2.38e-04	0.0	301.2	4523.90	-1287.82	-22.22	154.76	406.48	1356.83
127	6	4774.67	504.80	-0.01	-142.69	0.0	4401.91	-1062.10	-30.96	-70.67	504.80	4774.67
		1360.75	411.54	-3.13e-04	0.0	301.2	4401.91	-1204.79	-30.96	-70.67	411.54	1360.75
127	7	4626.40	488.84	-0.01	-142.69	0.0	4200.19	-1021.58	-38.73	-53.84	488.84	4626.40
		1334.50	372.19	-2.85e-04	0.0	301.2	4200.19	-1164.27	-38.73	-53.84	372.19	1334.50
127	8	3603.59	381.00	-0.01	-105.70	0.0	3265.66	-797.19	-30.79	-36.88	381.00	3603.59
		1043.26	288.26	-2.42e-04	0.0	301.2	3265.66	-902.89	-30.79	-36.88	288.26	1043.26
127	9	3361.36	346.32	-0.01	-105.70	0.0	3043.38	-743.78	-28.25	-25.37	346.32	3361.36
		961.91	261.24	-2.15e-04	0.0	301.2	3043.38	-849.48	-28.25	-25.37	261.24	961.91
127	10	3280.25	336.69	-9.86e-03	-105.70	0.0	2968.35	-724.35	-27.03	-14.91	336.69	3280.25
		939.32	255.26	-2.20e-04	0.0	301.2	2968.35	-830.05	-27.03	-14.91	255.26	939.32
127	11	3346.89	347.56	-0.01	-105.70	0.0	3072.21	-742.78	-22.50	-34.97	347.56	3346.89
		950.45	279.79	-2.20e-04	0.0	301.2	3072.21	-848.48	-22.50	-34.97	279.79	950.45
128	1	3376.45	378.16	-0.02	-142.69	0.0	1684.12	-1387.04	-131.02	-228.47	378.16	3376.45
		-1016.22	-16.48	-3.16e-04	0.0	301.2	1684.12	-1529.73	-131.02	-228.47	-16.48	-1016.22
128	2	3291.63	368.21	-0.02	-142.69	0.0	1646.70	-1351.94	-125.00	-198.07	368.21	3291.63

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		-995.31	-8.30	-3.28e-04	0.0	301.2	1646.70	-1494.63	-125.00	-198.07	-8.30	-995.31
128	3	3270.01	367.40	-0.02	-142.69	0.0	1637.16	-1340.75	-124.92	-207.63	367.40	3270.01
		-983.21	-8.87	-3.28e-04	0.0	301.2	1637.16	-1483.44	-124.92	-207.63	-8.87	-983.21
128	4	3280.67	406.87	-0.02	-142.69	0.0	1619.80	-1340.26	-135.09	-199.87	406.87	3280.67
		-971.09	-8.56e-03	-1.14e-04	0.0	301.2	1619.80	-1482.95	-135.09	-199.87	-8.56e-03	-971.09
128	5	3469.60	406.48	-0.02	-142.69	0.0	1713.73	-1448.26	-120.92	-26.04	406.48	3469.60
		-1107.44	42.26	-2.44e-04	0.0	301.2	1713.73	-1590.95	-120.92	-26.04	42.26	-1107.44
128	6	3362.32	411.54	-0.02	-142.69	0.0	1725.27	-1382.30	-124.94	-250.21	411.54	3362.32
		-1016.07	35.22	-3.15e-04	0.0	301.2	1725.27	-1524.99	-124.94	-250.21	35.22	-1016.07
128	7	3257.77	372.19	-0.02	-142.69	0.0	1629.10	-1332.85	-128.11	-224.29	372.19	3257.77
		-971.67	-13.66	-2.95e-04	0.0	301.2	1629.10	-1475.54	-128.11	-224.29	-13.66	-971.67
128	8	2535.31	288.26	-0.01	-105.70	0.0	1270.72	-1039.23	-98.67	-172.10	288.26	2535.31
		-754.02	-8.92	-2.53e-04	0.0	301.2	1270.72	-1144.92	-98.67	-172.10	-8.92	-754.02
128	9	2360.09	261.24	-0.01	-105.70	0.0	1176.48	-969.25	-89.60	-147.02	261.24	2360.09
		-718.48	-8.62	-2.24e-04	0.0	301.2	1176.48	-1074.95	-89.60	-147.02	-8.62	-718.48
128	10	2300.96	255.26	-0.01	-105.70	0.0	1150.39	-943.53	-86.21	-135.44	255.26	2300.96
		-700.14	-4.39	-2.30e-04	0.0	301.2	1150.39	-1049.23	-86.21	-135.44	-4.39	-700.14
128	11	2352.24	279.79	-0.01	-105.70	0.0	1199.34	-966.62	-86.22	-159.10	279.79	2352.24
		-718.39	20.10	-2.23e-04	0.0	301.2	1199.34	-1072.31	-86.22	-159.10	20.10	-718.39
129	1	4694.33	-472.81	-0.02	-149.80	0.0	3463.56	1085.30	11.23	633.63	-508.31	1499.42
		1499.42	-508.31	5.61e-04	0.0	316.2	3463.56	935.51	11.23	633.63	-472.81	4694.33
129	2	5442.01	-558.15	-0.02	-149.80	0.0	4069.58	1253.41	3.84	479.33	-570.30	1715.56
		1715.56	-570.30	5.34e-04	0.0	316.2	4069.58	1103.61	3.84	479.33	-558.15	5442.01
129	3	4642.21	-509.65	-0.02	-149.80	0.0	3444.36	1067.39	8.29	560.28	-535.87	1503.94
		1503.94	-535.87	5.75e-04	0.0	316.2	3444.36	917.60	8.29	560.28	-509.65	4642.21
129	4	4668.21	-510.73	-0.02	-149.80	0.0	3366.57	1066.40	12.86	560.73	-551.41	1533.09
		1533.09	-551.41	1.89e-04	0.0	316.2	3366.57	916.60	12.86	560.73	-510.73	4668.21
129	5	4713.00	-494.68	-0.02	-149.80	0.0	3419.52	1081.56	15.72	586.43	-544.39	1529.95
		1529.95	-544.39	1.95e-04	0.0	316.2	3419.52	931.76	15.72	586.43	-494.68	4713.00
129	6	4696.55	-471.50	-0.02	-149.80	0.0	3398.68	1087.33	20.27	639.62	-535.60	1495.25
		1495.25	-535.60	2.08e-04	0.0	316.2	3398.68	937.53	20.27	639.62	-471.50	4696.55
129	7	4567.38	-484.31	-0.02	-149.80	0.0	3298.92	1051.54	15.51	586.04	-533.36	1479.23
		1479.23	-533.36	2.05e-04	0.0	316.2	3298.92	901.75	15.51	586.04	-484.31	4567.38
129	8	3574.52	-392.87	-0.01	-110.96	0.0	2657.82	820.08	6.11	433.64	-412.19	1156.85
		1156.85	-412.19	4.75e-04	0.0	316.2	2657.82	709.12	6.11	433.64	-392.87	3574.52
129	9	3317.98	-338.98	-0.01	-110.96	0.0	2438.86	768.21	8.29	437.61	-365.21	1064.33
		1064.33	-365.21	3.42e-04	0.0	316.2	2438.86	657.25	8.29	437.61	-338.98	3317.98
129	10	3289.03	-359.45	-0.01	-110.96	0.0	2428.20	758.26	6.66	396.86	-380.52	1066.84
		1066.84	-380.52	3.50e-04	0.0	316.2	2428.20	647.30	6.66	396.86	-359.45	3289.03
129	11	3319.21	-338.25	-0.01	-110.96	0.0	2402.82	769.33	13.32	440.94	-380.37	1062.01
		1062.01	-380.37	1.46e-04	0.0	316.2	2402.82	658.37	13.32	440.94	-338.25	3319.21
130	1	5831.49	-330.01	-0.01	-149.80	0.0	5105.76	808.72	45.16	799.14	-472.81	3511.13
		3511.13	-472.81	6.32e-04	0.0	316.2	5105.76	658.93	45.16	799.14	-330.01	5831.49
130	2	6849.88	-471.53	-0.01	-149.80	0.0	6067.77	969.21	27.39	688.77	-558.15	4022.08
		4022.08	-558.15	6.08e-04	0.0	316.2	6067.77	819.41	27.39	688.77	-471.53	6849.88
130	3	5759.69	-379.78	-0.01	-149.80	0.0	5057.21	791.84	41.07	740.69	-509.65	3492.71
		3492.71	-509.65	6.51e-04	0.0	316.2	5057.21	642.04	41.07	740.69	-379.78	5759.69
130	4	5774.98	-377.56	-0.01	-149.80	0.0	4998.63	793.23	42.12	743.30	-510.73	3503.60
		3503.60	-510.73	2.64e-04	0.0	316.2	4998.63	643.44	42.12	743.30	-377.56	5774.98
130	5	5829.91	-357.96	-0.01	-149.80	0.0	5077.47	803.32	43.24	764.56	-494.68	3526.62
		3526.62	-494.68	2.67e-04	0.0	316.2	5077.47	653.53	43.24	764.56	-357.96	5829.91
130	6	5833.09	-324.51	-0.01	-149.80	0.0	5061.17	813.27	46.48	808.22	-471.50	3498.35
		3498.35	-471.50	2.77e-04	0.0	316.2	5061.17	663.48	46.48	808.22	-324.51	5833.09
130	7	5663.41	-347.15	-0.01	-149.80	0.0	4902.90	785.10	43.38	758.03	-484.31	3417.76
		3417.76	-484.31	2.77e-04	0.0	316.2	4902.90	635.30	43.38	758.03	-347.15	5663.41
130	8	4437.91	-292.08	-9.37e-03	-110.96	0.0	3898.42	607.95	31.87	572.58	-392.87	2691.00
		2691.00	-392.87	5.33e-04	0.0	316.2	3898.42	496.99	31.87	572.58	-292.08	4437.91
130	9	4117.24	-240.01	-8.69e-03	-110.96	0.0	3600.41	572.67	31.30	556.76	-338.98	2481.88
		2481.88	-338.98	3.93e-04	0.0	316.2	3600.41	461.71	31.30	556.76	-240.01	4117.24
130	10	4077.35	-267.65	-8.60e-03	-110.96	0.0	3573.44	563.29	29.03	524.28	-359.45	2471.65
		2471.65	-359.45	4.03e-04	0.0	316.2	3573.44	452.33	29.03	524.28	-267.65	4077.35
130	11	4118.13	-236.95	-8.70e-03	-110.96	0.0	3575.64	575.20	32.04	561.80	-338.25	2474.78
		2474.78	-338.25	1.96e-04	0.0	316.2	3575.64	464.24	32.04	561.80	-236.95	4118.13
131	1	6435.31	-97.68	-7.86e-03	-149.80	0.0	6284.58	535.19	73.48	879.63	-330.01	4979.88
		4979.88	-330.01	7.17e-04	0.0	316.2	6284.58	385.39	73.48	879.63	-97.68	6435.31
131	2	7741.24	-329.16	-9.27e-03	-149.80	0.0	7603.38	695.93	45.03	835.61	-471.53	5777.53
		5777.53	-471.53	7.02e-04	0.0	316.2	7603.38	546.13	45.03	835.61	-329.16	7741.24
131	3	6345.42	-156.17	-7.75e-03	-149.80	0.0	6211.36	518.87	70.72	840.05	-379.78	4941.59
		4941.59	-379.78	7.42e-04	0.0	316.2	6211.36	369.07	70.72	840.05	-156.17	6345.42
131	4	6356.68	-153.46	-7.75e-03	-149.80	0.0	6165.53	520.87	70.87	842.29	-377.56	4946.50
		4946.50	-377.56	3.55e-04	0.0	316.2	6165.53	371.08	70.87	842.29	-153.46	6356.68
131	5	6417.92	-132.42	-7.83e-03	-149.80	0.0	6260.81	527.75	71.33	857.01	-357.96	4986.01

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131	6	4986.01	-357.96	3.54e-04	0.0	316.2	6260.81	377.95	71.33	857.01	-132.42	6417.92
		6437.69	-92.76	-7.88e-03	-149.80	0.0	6255.59	539.27	73.29	886.62	-324.51	4969.34
		4969.34	-324.51	3.61e-04	0.0	316.2	6255.59	389.48	73.29	886.62	-92.76	6437.69
131	7	6243.70	-123.57	-7.63e-03	-149.80	0.0	6053.30	518.95	70.71	845.28	-347.15	4839.62
		4839.62	-347.15	3.64e-04	0.0	316.2	6053.30	369.15	70.71	845.28	-123.57	6243.70
131	8	4891.22	-118.82	-5.98e-03	-110.96	0.0	4786.78	397.78	54.79	649.03	-292.08	3808.86
		3808.86	-292.08	6.04e-04	0.0	316.2	4786.78	286.82	54.79	649.03	-118.82	4891.22
131	9	4540.09	-77.64	-5.54e-03	-110.96	0.0	4433.18	379.10	51.35	616.02	-240.01	3516.80
		3516.80	-240.01	4.54e-04	0.0	316.2	4433.18	268.14	51.35	616.02	-77.64	4540.09
131	10	4490.15	-110.13	-5.48e-03	-110.96	0.0	4392.50	370.04	49.82	594.03	-267.65	3495.52
		3495.52	-267.65	4.68e-04	0.0	316.2	4392.50	259.08	49.82	594.03	-110.13	4490.15
131	11	4541.42	-74.91	-5.55e-03	-110.96	0.0	4417.07	381.37	51.25	619.91	-236.95	3510.94
		3510.94	-236.95	2.57e-04	0.0	316.2	4417.07	270.41	51.25	619.91	-74.91	4541.42
132	1	6497.13	128.16	-2.75e-03	-149.80	0.0	6938.32	246.71	71.42	884.31	-97.68	5953.87
		5953.87	-97.68	7.65e-04	0.0	316.2	6938.32	96.91	71.42	884.31	128.16	6497.13
132	2	8131.87	-239.41	-3.15e-03	-149.80	0.0	8625.47	419.99	28.38	926.02	-329.16	7040.69
		7040.69	-329.16	7.89e-04	0.0	316.2	8625.47	270.19	28.38	926.02	-239.41	8131.87
132	3	6392.52	66.98	-2.70e-03	-149.80	0.0	6844.91	231.89	70.57	866.67	-156.17	5896.09
		5896.09	-156.17	7.98e-04	0.0	316.2	6844.91	82.10	70.57	866.67	66.98	6392.52
132	4	6402.02	67.99	-2.69e-03	-149.80	0.0	6808.04	233.70	70.03	868.34	-153.46	5899.89
		5899.89	-153.46	4.11e-04	0.0	316.2	6808.04	83.90	70.03	868.34	67.99	6402.02
132	5	6466.86	87.97	-2.73e-03	-149.80	0.0	6912.03	237.97	69.70	876.28	-132.42	5951.23
		5951.23	-132.42	4.06e-04	0.0	316.2	6912.03	88.17	69.70	876.28	87.97	6466.86
132	6	6499.48	130.55	-2.77e-03	-149.80	0.0	6920.40	249.48	70.63	889.00	-92.76	5947.44
		5947.44	-92.76	4.10e-04	0.0	316.2	6920.40	99.69	70.63	889.00	130.55	6499.48
132	7	6296.83	95.09	-2.67e-03	-149.80	0.0	6690.97	237.66	69.15	859.32	-123.57	5782.18
		5782.18	-123.57	4.16e-04	0.0	316.2	6690.97	87.86	69.15	859.32	95.09	6296.83
132	8	4928.82	54.06	-2.09e-03	-110.96	0.0	5274.76	176.66	54.67	669.01	-118.82	4545.65
		4545.65	-118.82	6.47e-04	0.0	316.2	5274.76	65.70	54.67	669.01	54.06	4928.82
132	9	4580.66	80.77	-1.94e-03	-110.96	0.0	4894.08	175.18	50.10	622.43	-77.64	4202.16
		4202.16	-77.64	4.89e-04	0.0	316.2	4894.08	64.22	50.10	622.43	80.77	4580.66
132	10	4522.54	46.78	-1.91e-03	-110.96	0.0	4842.19	166.95	49.62	612.63	-110.13	4170.06
		4170.06	-110.13	5.08e-04	0.0	316.2	4842.19	55.99	49.62	612.63	46.78	4522.54
132	11	4581.96	82.10	-1.95e-03	-110.96	0.0	4884.13	176.72	49.65	625.03	-74.91	4198.59
		4198.59	-74.91	2.92e-04	0.0	316.2	4884.13	65.76	49.65	625.03	82.10	4581.96
133	1	6427.03	330.11	-2.58e-03	-149.80	0.0	7019.56	-52.30	63.87	810.03	128.16	6427.03
		6024.83	128.16	7.76e-04	0.0	316.2	7019.56	-202.10	63.87	810.03	330.11	6024.83
133	2	8069.67	199.68	-3.36e-03	-149.80	0.0	8534.60	-327.95	155.62	1033.34	-292.39	8069.67
		6795.88	-292.39	7.84e-04	0.0	316.2	8534.60	-477.74	155.62	1033.34	199.68	6795.88
133	3	6350.90	272.20	-2.55e-03	-149.80	0.0	6911.57	-64.29	64.90	815.56	66.98	6350.90
		5910.78	66.98	8.17e-04	0.0	316.2	6911.57	-214.09	64.90	815.56	272.20	5910.78
133	4	6355.16	268.79	-2.57e-03	-149.80	0.0	6880.91	-62.74	63.51	816.94	67.99	6355.16
		5919.95	67.99	4.30e-04	0.0	316.2	6880.91	-212.53	63.51	816.94	268.79	5919.95
133	5	6415.37	285.62	-2.58e-03	-149.80	0.0	6986.71	-61.19	62.51	818.48	87.97	6415.37
		5985.05	87.97	4.21e-04	0.0	316.2	6986.71	-210.99	62.51	818.48	285.62	5985.05
133	6	6424.02	327.86	-2.56e-03	-149.80	0.0	7008.32	-50.65	62.40	813.09	130.55	6424.02
		6027.03	130.55	4.21e-04	0.0	316.2	7008.32	-200.45	62.40	813.09	327.86	6027.03
133	7	6236.87	291.00	-2.50e-03	-149.80	0.0	6770.10	-53.36	61.96	796.92	95.09	6236.87
		5831.31	95.09	4.33e-04	0.0	316.2	6770.10	-203.16	61.96	796.92	291.00	5831.31
133	8	4897.12	213.01	-1.97e-03	-110.96	0.0	5326.15	-51.72	50.27	628.73	54.06	4897.12
		4558.13	54.06	6.61e-04	0.0	316.2	5326.15	-162.68	50.27	628.73	213.01	4558.13
133	9	4533.70	222.96	-1.82e-03	-110.96	0.0	4950.25	-35.86	44.97	573.52	80.77	4533.70
		4244.88	80.77	4.99e-04	0.0	316.2	4950.25	-146.82	44.97	573.52	222.96	4244.88
133	10	4491.41	190.80	-1.81e-03	-110.96	0.0	4890.25	-42.52	45.55	576.59	46.78	4491.41
		4181.52	46.78	5.22e-04	0.0	316.2	4890.25	-153.48	45.55	576.59	190.80	4181.52
133	11	4532.03	221.71	-1.81e-03	-110.96	0.0	4944.01	-34.95	44.15	575.22	82.10	4532.03
		4246.10	82.10	3.02e-04	0.0	316.2	4944.01	-145.91	44.15	575.22	221.71	4246.10
134	1	6393.75	507.64	-7.70e-03	-149.80	0.0	6499.03	-353.09	56.15	666.79	330.11	6393.75
		5040.46	330.11	7.51e-04	0.0	316.2	6499.03	-502.88	56.15	666.79	507.64	5040.46
134	2	7559.11	479.87	-9.31e-03	-149.80	0.0	7561.95	-580.88	88.61	951.25	199.68	7559.11
		5485.53	199.68	7.81e-04	0.0	316.2	7561.95	-730.68	88.61	951.25	479.87	5485.53
134	3	6301.68	459.57	-7.59e-03	-149.80	0.0	6384.16	-360.70	59.26	694.56	272.20	6301.68
		4924.31	272.20	8.00e-04	0.0	316.2	6384.16	-510.50	59.26	694.56	459.57	4924.31
134	4	6306.25	446.25	-7.61e-03	-149.80	0.0	6359.09	-359.14	56.12	696.64	268.79	6306.25
		4933.83	268.79	4.13e-04	0.0	316.2	6359.09	-508.93	56.12	696.64	446.25	4933.83
134	5	6372.65	458.19	-7.67e-03	-149.80	0.0	6459.31	-360.96	54.58	692.81	285.62	6372.65
		4994.47	285.62	4.01e-04	0.0	316.2	6459.31	-510.75	54.58	692.81	458.19	4994.47
134	6	6392.79	496.28	-7.68e-03	-149.80	0.0	6491.86	-352.15	53.27	669.52	327.86	6392.79
		5042.47	327.86	3.98e-04	0.0	316.2	6491.86	-501.95	53.27	669.52	496.28	5042.47
134	7	6197.56	461.03	-7.46e-03	-149.80	0.0	6264.58	-345.08	53.77	667.50	291.00	6197.56
		4869.60	291.00	4.14e-04	0.0	316.2	6264.58	-494.87	53.77	667.50	461.03	4869.60
134	8	4859.75	358.25	-5.85e-03	-110.96	0.0	4919.65	-280.35	45.93	534.32	213.01	4859.75

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		3797.86	213.01	6.47e-04	0.0	316.2	4919.65	-391.31	45.93	534.32	358.25	3797.86
134	9	4507.72	348.28	-5.43e-03	-110.96	0.0	4581.73	-247.89	39.63	476.06	222.96	4507.72
		3548.47	222.96	4.82e-04	0.0	316.2	4581.73	-358.85	39.63	476.06	348.28	3548.47
134	10	4456.57	321.57	-5.37e-03	-110.96	0.0	4517.91	-252.12	41.36	491.49	190.80	4456.57
		3483.94	190.80	5.09e-04	0.0	316.2	4517.91	-363.08	41.36	491.49	321.57	3483.94
134	11	4507.19	341.97	-5.42e-03	-110.96	0.0	4577.75	-247.37	38.03	477.57	221.71	4507.19
		3549.58	221.71	2.87e-04	0.0	316.2	4577.75	-358.33	38.03	477.57	341.97	3549.58
135	1	5864.51	629.28	-0.01	-149.80	0.0	5359.08	-647.37	38.47	468.82	507.64	5864.51
		3580.71	507.64	6.90e-04	0.0	316.2	5359.08	-797.16	38.47	468.82	629.28	3580.71
135	2	6651.88	639.05	-0.01	-149.80	0.0	6018.68	-839.34	50.34	775.33	479.87	6651.88
		3761.04	479.87	7.19e-04	0.0	316.2	6018.68	-989.14	50.34	775.33	639.05	3761.04
135	3	5760.31	601.61	-0.01	-149.80	0.0	5247.87	-648.19	44.92	514.97	459.57	5760.31
		3473.90	459.57	7.45e-04	0.0	316.2	5247.87	-797.99	44.92	514.97	601.61	3473.90
135	4	5763.27	563.08	-0.01	-149.80	0.0	5231.71	-646.58	36.95	521.30	446.25	5763.27
		3481.96	446.25	3.63e-04	0.0	316.2	5231.71	-796.37	36.95	521.30	563.08	3481.96
135	5	5832.27	568.45	-0.01	-149.80	0.0	5317.69	-652.97	34.87	513.58	458.19	5832.27
		3530.77	458.19	3.49e-04	0.0	316.2	5317.69	-802.76	34.87	513.58	568.45	3530.77
135	6	5863.22	597.02	-0.01	-149.80	0.0	5356.85	-646.93	31.86	474.32	496.28	5863.22
		3580.79	496.28	3.42e-04	0.0	316.2	5356.85	-796.73	31.86	474.32	597.02	3580.79
135	7	5673.87	567.50	-0.01	-149.80	0.0	5162.04	-629.06	33.67	485.91	461.03	5673.87
		3447.95	461.03	3.63e-04	0.0	316.2	5162.04	-778.86	33.67	485.91	567.50	3447.95
135	8	4442.67	469.33	-9.23e-03	-110.96	0.0	4043.62	-501.97	35.13	394.47	358.25	4442.67
		2680.00	358.25	6.04e-04	0.0	316.2	4043.62	-612.93	35.13	394.47	469.33	2680.00
135	9	4131.75	433.59	-8.59e-03	-110.96	0.0	3776.84	-455.14	26.98	339.95	348.28	4131.75
		2517.16	348.28	4.41e-04	0.0	316.2	3776.84	-566.10	26.98	339.95	433.59	2517.16
135	10	4073.86	418.22	-8.48e-03	-110.96	0.0	3715.06	-455.60	30.57	365.59	321.57	4073.86
		2457.82	321.57	4.72e-04	0.0	316.2	3715.06	-566.56	30.57	365.59	418.22	2457.82
135	11	4131.03	415.67	-8.58e-03	-110.96	0.0	3775.60	-454.90	23.31	343.00	341.97	4131.03
		2517.21	341.97	2.48e-04	0.0	316.2	3775.60	-565.86	23.31	343.00	415.67	2517.21
136	1	4860.42	629.28	-0.02	-149.80	0.0	3606.89	-934.57	-22.60	252.87	629.28	4860.42
		1668.48	557.82	-5.96e-04	0.0	316.2	3606.89	-1084.36	-22.60	252.87	557.82	1668.48
136	2	5324.54	639.05	-0.02	-149.80	0.0	3918.35	-1097.49	-11.15	553.71	639.05	5324.54
		1617.45	603.80	-6.25e-04	0.0	316.2	3918.35	-1247.29	-11.15	553.71	603.80	1617.45
136	3	4751.02	601.61	-0.02	-149.80	0.0	3513.17	-923.51	-14.65	312.40	601.61	4751.02
		1594.05	555.28	-6.51e-04	0.0	316.2	3513.17	-1073.31	-14.65	312.40	555.28	1594.05
136	4	4746.75	563.08	-0.02	-149.80	0.0	3516.11	-923.81	-16.48	319.67	563.08	4746.75
		1588.82	510.97	-2.87e-04	0.0	316.2	3516.11	-1073.61	-16.48	319.67	510.97	1588.82
136	5	4812.21	568.45	-0.02	-149.80	0.0	3577.59	-936.89	-19.52	309.93	568.45	4812.21
		1612.92	506.73	-2.72e-04	0.0	316.2	3577.59	-1086.69	-19.52	309.93	506.73	1612.92
136	6	4853.50	597.02	-0.02	-149.80	0.0	3616.41	-935.59	-25.32	259.35	597.02	4853.50
		1658.34	516.95	-2.63e-04	0.0	316.2	3616.41	-1085.39	-25.32	259.35	516.95	1658.34
136	7	4684.91	567.50	-0.02	-149.80	0.0	3477.66	-904.83	-21.04	282.32	567.50	4684.91
		1586.99	500.97	-2.87e-04	0.0	316.2	3477.66	-1054.63	-21.04	282.32	500.97	1586.99
136	8	3665.03	469.33	-0.01	-110.96	0.0	2705.96	-713.72	-11.50	237.42	469.33	3665.03
		1232.82	432.98	-5.29e-04	0.0	316.2	2705.96	-824.68	-11.50	237.42	432.98	1232.82
136	9	3420.37	433.59	-0.01	-110.96	0.0	2541.64	-657.39	-15.01	189.84	433.59	3420.37
		1166.27	386.15	-3.78e-04	0.0	316.2	2541.64	-768.35	-15.01	189.84	386.15	1166.27
136	10	3359.60	418.22	-0.01	-110.96	0.0	2489.58	-651.25	-10.59	222.90	418.22	3359.60
		1124.91	384.73	-4.08e-04	0.0	316.2	2489.58	-762.21	-10.59	222.90	384.73	1124.91
136	11	3416.53	415.67	-0.01	-110.96	0.0	2546.93	-657.96	-16.52	193.43	415.67	3416.53
		1160.63	363.44	-1.93e-04	0.0	316.2	2546.93	-768.92	-16.52	193.43	363.44	1160.63
137	1	3408.71	557.82	-0.02	-149.80	0.0	1290.70	-1253.73	-158.40	120.64	557.82	3408.71
		-792.40	56.96	-4.73e-04	0.0	316.2	1290.70	-1403.52	-158.40	120.64	56.96	-792.40
137	2	3580.79	603.80	-0.02	-149.80	0.0	1308.41	-1385.82	-140.66	391.65	603.80	3580.79
		-1038.02	159.02	-5.07e-04	0.0	316.2	1308.41	-1535.62	-140.66	391.65	159.02	-1038.02
137	3	3304.48	555.28	-0.02	-149.80	0.0	1240.49	-1220.70	-149.78	182.64	555.28	3304.48
		-792.18	81.68	-5.27e-04	0.0	316.2	1240.49	-1370.49	-149.78	182.64	81.68	-792.18
137	4	3301.21	510.97	-0.02	-149.80	0.0	1246.04	-1223.95	-132.69	183.98	510.97	3301.21
		-805.74	91.42	-1.87e-04	0.0	316.2	1246.04	-1373.74	-132.69	183.98	91.42	-805.74
137	5	3352.14	506.73	-0.02	-149.80	0.0	1270.15	-1247.58	-133.40	171.06	506.73	3352.14
		-829.53	84.92	-1.77e-04	0.0	316.2	1270.15	-1397.37	-133.40	171.06	84.92	-829.53
137	6	3401.30	516.95	-0.02	-149.80	0.0	1299.22	-1254.49	-142.95	117.56	516.95	3401.30
		-802.24	64.95	-1.67e-04	0.0	316.2	1299.22	-1404.29	-142.95	117.56	64.95	-802.24
137	7	3270.91	500.97	-0.02	-149.80	0.0	1243.04	-1206.10	-134.22	146.29	500.97	3270.91
		-779.61	76.56	-1.92e-04	0.0	316.2	1243.04	-1355.90	-134.22	146.29	76.56	-779.61
137	8	2550.20	432.98	-0.01	-110.96	0.0	955.97	-941.71	-117.77	138.07	432.98	2550.20
		-602.91	60.61	-4.31e-04	0.0	316.2	955.97	-1052.67	-117.77	138.07	60.61	-602.91
137	9	2394.33	386.15	-0.01	-110.96	0.0	907.43	-881.65	-107.49	95.40	386.15	2394.33
		-568.87	46.26	-2.95e-04	0.0	316.2	907.43	-992.61	-107.49	95.40	46.26	-568.87
137	10	2336.42	384.73	-0.01	-110.96	0.0	879.54	-863.29	-102.70	129.85	384.73	2336.42
		-568.74	59.99	-3.25e-04	0.0	316.2	879.54	-974.25	-102.70	129.85	59.99	-568.74
137	11	2390.21	363.44	-0.01	-110.96	0.0	912.16	-882.07	-98.91	93.69	363.44	2390.21

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138	1	-574.33	50.70	-1.25e-04	0.0	316.2	912.16	-993.03	-98.91	93.69	50.70	-574.33
		4235.19	-457.47	-0.01	-142.69	0.0	3102.90	1028.45	15.13	565.58	-503.03	1352.37
		1352.37	-503.03	-2.03e-04	0.0	301.2	3102.90	885.77	15.13	565.58	-457.47	4235.19
138	2	4251.47	-480.13	-0.01	-142.69	0.0	3120.40	1022.91	11.11	516.94	-513.60	1385.35
		1385.35	-513.60	-1.91e-04	0.0	301.2	3120.40	880.22	11.11	516.94	-480.13	4251.47
138	3	4206.81	-494.99	-0.01	-142.69	0.0	3069.79	1007.27	8.59	495.59	-520.87	1387.80
		1387.80	-520.87	-1.76e-04	0.0	301.2	3069.79	864.58	8.59	495.59	-494.99	4206.81
138	4	4214.88	-501.25	-0.01	-142.69	0.0	3069.43	1007.69	8.85	488.10	-527.92	1394.60
		1394.60	-527.92	-5.54e-05	0.0	301.2	3069.43	865.00	8.85	488.10	-501.25	4214.88
138	5	4979.88	-553.53	-0.02	-142.69	0.0	3697.24	1196.52	1.03	401.10	-556.63	1590.85
		1590.85	-556.63	-3.78e-05	0.0	301.2	3697.24	1053.83	1.03	401.10	-553.53	4979.88
138	6	4231.00	-458.90	-0.01	-142.69	0.0	3116.78	1028.92	13.51	563.71	-499.58	1346.78
		1346.78	-499.58	-1.84e-04	0.0	301.2	3116.78	886.23	13.51	563.71	-458.90	4231.00
138	7	4115.57	-468.31	-0.01	-142.69	0.0	3014.49	993.96	10.08	517.37	-498.66	1336.64
		1336.64	-498.66	-1.60e-04	0.0	301.2	3014.49	851.27	10.08	517.37	-468.31	4115.57
138	8	3240.73	-381.78	-9.70e-03	-105.70	0.0	2362.54	773.64	6.75	383.61	-402.10	1069.71
		1069.71	-402.10	-1.38e-04	0.0	301.2	2362.54	667.94	6.75	383.61	-381.78	3240.73
138	9	2993.10	-327.92	-8.99e-03	-105.70	0.0	2194.14	727.69	9.70	389.83	-357.12	960.48
		960.48	-357.12	-1.36e-04	0.0	301.2	2194.14	621.99	9.70	389.83	-327.92	2993.10
138	10	2977.34	-348.76	-8.90e-03	-105.70	0.0	2175.75	715.92	6.07	350.95	-367.03	980.16
		980.16	-367.03	-1.20e-04	0.0	301.2	2175.75	610.22	6.07	350.95	-348.76	2977.34
138	11	2990.78	-328.71	-8.99e-03	-105.70	0.0	2201.86	727.95	8.80	388.79	-355.21	957.38
		957.38	-355.21	-1.25e-04	0.0	301.2	2201.86	622.25	8.80	388.79	-328.71	2990.78
139	1	5261.06	-308.26	-9.99e-03	-142.69	0.0	4602.13	766.93	49.54	715.23	-457.47	3165.95
		3165.95	-457.47	-2.68e-04	0.0	301.2	4602.13	624.24	49.54	715.23	-308.26	5261.06
139	2	5259.36	-340.30	-9.95e-03	-142.69	0.0	4615.77	757.21	46.43	675.60	-480.13	3193.52
		3193.52	-480.13	-2.58e-04	0.0	301.2	4615.77	614.52	46.43	675.60	-340.30	5259.36
139	3	5204.95	-358.45	-9.84e-03	-142.69	0.0	4538.76	746.69	45.33	658.22	-494.99	3170.80
		3170.80	-494.99	-2.46e-04	0.0	301.2	4538.76	604.00	45.33	658.22	-358.45	5204.95
139	4	5213.06	-365.18	-9.84e-03	-142.69	0.0	4541.78	747.48	45.17	652.15	-501.25	3176.53
		3176.53	-501.25	1.90e-05	0.0	301.2	4541.78	604.79	45.17	652.15	-365.18	5213.06
139	5	6256.84	-460.81	-0.01	-142.69	0.0	5541.72	925.42	30.78	593.27	-553.53	3684.37
		3684.37	-553.53	-1.09e-04	0.0	301.2	5541.72	782.73	30.78	593.27	-460.81	6256.84
139	6	5257.29	-311.99	-1.00e-02	-142.69	0.0	4616.54	767.17	48.77	713.07	-458.90	3161.47
		3161.47	-458.90	-2.50e-04	0.0	301.2	4616.54	624.48	48.77	713.07	-311.99	5257.29
139	7	5104.61	-329.70	-9.68e-03	-142.69	0.0	4458.92	739.65	46.02	669.73	-468.31	3091.67
		3091.67	-468.31	-2.27e-04	0.0	301.2	4458.92	596.96	46.02	669.73	-329.70	5104.61
139	8	4011.06	-275.63	-7.58e-03	-105.70	0.0	3493.57	573.24	35.24	509.08	-381.78	2443.65
		2443.65	-381.78	-1.92e-04	0.0	301.2	3493.57	467.54	35.24	509.08	-275.63	4011.06
139	9	3714.26	-224.93	-7.04e-03	-105.70	0.0	3251.73	542.43	34.19	497.08	-327.92	2239.64
		2239.64	-327.92	-1.82e-04	0.0	301.2	3251.73	436.73	34.19	497.08	-224.93	3714.26
139	10	3683.09	-252.82	-6.96e-03	-105.70	0.0	3216.53	531.19	31.85	465.41	-348.76	2242.34
		2242.34	-348.76	-1.70e-04	0.0	301.2	3216.53	425.49	31.85	465.41	-252.82	3683.09
139	11	3712.17	-227.01	-7.05e-03	-105.70	0.0	3259.74	542.56	33.77	495.88	-328.71	2237.15
		2237.15	-328.71	-1.72e-04	0.0	301.2	3259.74	436.87	33.77	495.88	-227.01	3712.17
140	1	5815.43	-94.27	-6.34e-03	-142.69	0.0	5663.10	507.11	71.05	792.52	-308.26	4502.89
		4502.89	-308.26	-3.36e-04	0.0	301.2	5663.10	364.42	71.05	792.52	-94.27	5815.43
140	2	5798.01	-132.17	-6.29e-03	-142.69	0.0	5667.00	495.69	69.10	765.82	-340.30	4519.87
		4519.87	-340.30	-3.28e-04	0.0	301.2	5667.00	353.00	69.10	765.82	-132.17	5798.01
140	3	5737.53	-151.49	-6.22e-03	-142.69	0.0	5573.28	488.58	68.71	754.06	-358.45	4480.83
		4480.83	-358.45	-3.19e-04	0.0	301.2	5573.28	345.89	68.71	754.06	-151.49	5737.53
140	4	5745.43	-159.60	-6.21e-03	-142.69	0.0	5581.03	489.51	68.26	749.48	-365.18	4485.92
		4485.92	-365.18	-9.17e-05	0.0	301.2	5581.03	346.82	68.26	749.48	-159.60	5745.43
140	5	7082.41	-338.48	-7.55e-03	-142.69	0.0	6943.61	665.50	40.62	739.25	-460.81	5292.82
		5292.82	-460.81	-1.85e-04	0.0	301.2	6943.61	522.81	40.62	739.25	-338.48	7082.41
140	6	5811.86	-99.90	-6.35e-03	-142.69	0.0	5678.18	507.25	70.41	791.00	-311.99	4498.92
		4498.92	-311.99	-3.19e-04	0.0	301.2	5678.18	364.56	70.41	791.00	-99.90	5811.86
140	7	5636.50	-123.67	-6.13e-03	-142.69	0.0	5479.20	487.33	68.41	754.68	-329.70	4383.56
		4383.56	-329.70	-2.98e-04	0.0	301.2	5479.20	344.64	68.41	754.68	-123.67	5636.50
140	8	4422.88	-115.20	-4.79e-03	-105.70	0.0	4290.52	374.58	53.27	582.85	-275.63	3453.81
		3453.81	-275.63	-2.48e-04	0.0	301.2	4290.52	268.89	53.27	582.85	-115.20	4422.88
140	9	4102.37	-75.38	-4.47e-03	-105.70	0.0	3999.14	358.62	49.65	554.08	-224.93	3181.40
		3181.40	-224.93	-2.31e-04	0.0	301.2	3999.14	252.92	49.65	554.08	-75.38	4102.37
140	10	4059.09	-107.16	-4.40e-03	-105.70	0.0	3949.24	348.32	48.36	532.71	-252.82	3169.14
		3169.14	-252.82	-2.22e-04	0.0	301.2	3949.24	242.62	48.36	532.71	-107.16	4059.09
140	11	4100.39	-78.50	-4.47e-03	-105.70	0.0	4007.52	358.69	49.30	553.23	-227.01	3179.19
		3179.19	-227.01	-2.22e-04	0.0	301.2	4007.52	253.00	49.30	553.23	-78.50	4100.39
141	1	5880.63	116.79	-2.14e-03	-142.69	0.0	6249.01	234.53	70.07	798.00	-94.27	5389.12
		5389.12	-94.27	-3.77e-04	0.0	301.2	6249.01	91.84	70.07	798.00	116.79	5880.63
141	2	5850.78	76.01	-2.10e-03	-142.69	0.0	6240.52	222.95	69.12	786.85	-132.17	5394.15
		5394.15	-132.17	-3.72e-04	0.0	301.2	6240.52	80.26	69.12	786.85	76.01	5850.78
141	3	5787.04	57.69	-2.07e-03	-142.69	0.0	6137.84	218.61	69.45	780.96	-151.49	5343.50

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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141	4	5343.50	-151.49	-3.66e-04	0.0	301.2	6137.84	75.92	69.45	780.96	57.69	5787.04
		5794.80	47.32	-2.06e-03	-142.69	0.0	6150.98	219.66	68.70	777.98	-159.60	5348.08
		5348.08	-159.60	-1.41e-04	0.0	301.2	6150.98	76.97	68.70	777.98	47.32	5794.80
141	5	7460.53	-259.35	-2.46e-03	-142.69	0.0	7880.49	405.94	26.27	829.33	-338.48	6452.74
		6452.74	-338.48	-2.64e-04	0.0	301.2	7880.49	263.25	26.27	829.33	-259.35	7460.53
141	6	5877.23	109.20	-2.16e-03	-142.69	0.0	6265.08	234.69	69.42	797.57	-99.90	5385.23
		5385.23	-99.90	-3.61e-04	0.0	301.2	6265.08	92.00	69.42	797.57	109.20	5877.23
141	7	5693.55	82.74	-2.06e-03	-142.69	0.0	6039.96	222.87	68.53	770.69	-123.67	5237.16
		5237.16	-123.67	-3.42e-04	0.0	301.2	6039.96	80.18	68.53	770.69	82.74	5693.55
141	8	4462.11	46.76	-1.60e-03	-105.70	0.0	4725.82	166.59	53.77	603.11	-115.20	4119.52
		4119.52	-115.20	-2.84e-04	0.0	301.2	4725.82	60.89	53.77	603.11	46.76	4462.11
141	9	4145.54	72.96	-1.51e-03	-105.70	0.0	4410.71	166.09	49.25	561.02	-75.38	3804.44
		3804.44	-75.38	-2.61e-04	0.0	301.2	4410.71	60.40	49.25	561.02	72.96	4145.54
141	10	4093.55	40.13	-1.46e-03	-105.70	0.0	4348.95	157.25	48.90	551.55	-107.16	3779.09
		3779.09	-107.16	-2.55e-04	0.0	301.2	4348.95	51.55	48.90	551.55	40.13	4093.55
141	11	4143.65	68.74	-1.51e-03	-105.70	0.0	4419.64	166.19	48.89	560.78	-78.50	3802.28
		3802.28	-78.50	-2.53e-04	0.0	301.2	4419.64	60.49	48.89	560.78	68.74	4143.65
142	1	5821.77	301.78	-2.24e-03	-142.69	0.0	6318.72	-47.55	61.42	732.92	116.79	5821.77
		5463.65	116.79	-3.87e-04	0.0	301.2	6318.72	-190.24	61.42	732.92	301.78	5463.65
142	2	5815.10	261.20	-2.26e-03	-142.69	0.0	6297.76	-58.30	61.48	738.46	76.01	5815.10
		5424.62	76.01	-3.85e-04	0.0	301.2	6297.76	-200.99	61.48	738.46	261.20	5424.62
142	3	5755.99	245.60	-2.25e-03	-142.69	0.0	6192.96	-59.81	62.39	738.09	57.69	5755.99
		5360.96	57.69	-3.82e-04	0.0	301.2	6192.96	-202.50	62.39	738.09	245.60	5360.96
142	4	5759.63	230.93	-2.27e-03	-142.69	0.0	6212.74	-58.57	60.96	737.19	47.32	5759.63
		5368.33	47.32	-1.60e-04	0.0	301.2	6212.74	-201.26	60.96	737.19	230.93	5368.33
142	5	7408.35	150.38	-2.96e-03	-142.69	0.0	7782.25	-325.41	153.62	944.76	-312.33	7408.35
		6213.33	-312.33	-2.57e-04	0.0	301.2	7782.25	-468.10	153.62	944.76	150.38	6213.33
142	6	5817.65	291.26	-2.22e-03	-142.69	0.0	6336.40	-47.33	60.45	734.16	109.20	5817.65
		5460.21	109.20	-3.73e-04	0.0	301.2	6336.40	-190.02	60.45	734.16	291.26	5460.21
142	7	5649.60	266.09	-2.19e-03	-142.69	0.0	6101.42	-50.47	60.88	717.90	82.73	5649.60
		5282.71	82.73	-3.56e-04	0.0	301.2	6101.42	-193.16	60.88	717.90	266.09	5282.71
142	8	4438.27	192.02	-1.73e-03	-105.70	0.0	4768.68	-48.07	48.23	569.29	46.76	4438.27
		4134.30	46.76	-2.96e-04	0.0	301.2	4768.68	-153.77	48.23	569.29	192.02	4134.30
142	9	4107.11	203.77	-1.59e-03	-105.70	0.0	4457.91	-32.85	43.43	518.45	72.96	4107.11
		3848.98	72.96	-2.70e-04	0.0	301.2	4457.91	-138.55	43.43	518.45	203.77	3848.98
142	10	4070.57	172.56	-1.59e-03	-105.70	0.0	4388.04	-39.66	43.97	521.33	40.13	4070.57
		3791.93	40.13	-2.67e-04	0.0	301.2	4388.04	-145.36	43.97	521.33	172.56	3791.93
142	11	4104.82	197.93	-1.58e-03	-105.70	0.0	4467.73	-32.73	42.89	519.15	68.74	4104.82
		3847.07	68.74	-2.62e-04	0.0	301.2	4467.73	-138.42	42.89	519.15	197.93	3847.07
143	1	5796.27	452.84	-6.45e-03	-142.69	0.0	5847.27	-331.62	50.15	605.89	301.78	5796.27
		4582.55	301.78	-3.69e-04	0.0	301.2	5847.27	-474.31	50.15	605.89	452.84	4582.55
143	2	5778.68	416.06	-6.45e-03	-142.69	0.0	5815.66	-340.70	51.41	627.94	261.20	5778.68
		4537.62	261.20	-3.70e-04	0.0	301.2	5815.66	-483.39	51.41	627.94	416.06	4537.62
143	3	5713.96	404.42	-6.39e-03	-142.69	0.0	5715.90	-338.80	52.73	632.24	245.60	5713.96
		4478.61	245.60	-3.70e-04	0.0	301.2	5715.90	-481.49	52.73	632.24	404.42	4478.61
143	4	5714.37	380.76	-6.41e-03	-142.69	0.0	5746.18	-337.49	49.74	634.43	230.93	5714.37
		4482.96	230.93	-1.53e-04	0.0	301.2	5746.18	-480.18	49.74	634.43	380.76	4482.96
143	5	6922.49	399.71	-7.90e-03	-142.69	0.0	6882.04	-562.42	82.78	880.98	150.38	6922.49
		5013.59	150.38	-2.64e-04	0.0	301.2	6882.04	-705.11	82.78	880.98	399.71	5013.59
143	6	5790.98	436.68	-6.43e-03	-142.69	0.0	5868.04	-331.54	48.28	609.67	291.26	5790.98
		4577.50	291.26	-3.59e-04	0.0	301.2	5868.04	-474.23	48.28	609.67	436.68	4577.50
143	7	5616.41	418.16	-6.27e-03	-142.69	0.0	5640.03	-325.10	50.49	603.87	266.09	5616.41
		4422.31	266.09	-3.43e-04	0.0	301.2	5640.03	-467.79	50.49	603.87	418.16	4422.31
143	8	4406.42	314.47	-4.93e-03	-105.70	0.0	4401.36	-263.23	40.65	486.75	192.02	4406.42
		3454.40	192.02	-2.87e-04	0.0	301.2	4401.36	-368.92	40.65	486.75	314.47	3454.40
143	9	4086.52	311.54	-4.55e-03	-105.70	0.0	4123.54	-232.99	35.78	432.13	203.77	4086.52
		3225.58	203.77	-2.58e-04	0.0	301.2	4123.54	-338.68	35.78	432.13	311.54	3225.58
143	10	4040.79	284.64	-4.52e-03	-105.70	0.0	4050.55	-236.98	37.21	446.77	172.56	4040.79
		3167.83	172.56	-2.59e-04	0.0	301.2	4050.55	-342.68	37.21	446.77	284.64	3167.83
143	11	4083.58	302.56	-4.54e-03	-105.70	0.0	4135.08	-232.94	34.74	434.23	197.93	4083.58
		3222.77	197.93	-2.52e-04	0.0	301.2	4135.08	-338.64	34.74	434.23	302.56	3222.77
144	1	5320.73	527.77	-0.01	-142.69	0.0	4820.78	-610.78	24.88	433.46	452.84	5320.73
		3266.18	452.84	-3.27e-04	0.0	301.2	4820.78	-753.47	24.88	433.46	527.77	3266.18
144	2	5292.92	499.70	-0.01	-142.69	0.0	4782.27	-617.04	27.77	470.22	416.06	5292.92
		3219.49	416.06	-3.31e-04	0.0	301.2	4782.27	-759.73	27.77	470.22	499.70	3219.49
144	3	5226.21	492.76	-0.01	-142.69	0.0	4695.83	-610.59	29.33	478.07	404.42	5226.21
		3172.21	404.42	-3.33e-04	0.0	301.2	4695.83	-753.28	29.33	478.07	492.76	3172.21
144	4	5216.83	448.79	-0.01	-142.69	0.0	4745.87	-610.07	22.59	486.08	380.76	5216.83
		3164.42	380.76	-1.22e-04	0.0	301.2	4745.87	-752.76	22.59	486.08	448.79	3164.42
144	5	6073.17	497.78	-0.01	-142.69	0.0	5480.18	-805.60	32.56	736.87	399.71	6073.17
		3431.81	399.71	-2.26e-04	0.0	301.2	5480.18	-948.29	32.56	736.87	497.78	3431.81
144	6	5311.31	498.47	-0.01	-142.69	0.0	4848.04	-611.68	20.52	441.79	436.68	5311.31

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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144	7	3254.04	436.68	-3.20e-04	0.0	301.2	4848.04	-754.37	20.52	441.79	498.47	3254.04
		5145.72	497.39	-9.84e-03	-142.69	0.0	4643.82	-593.85	26.30	444.12	418.16	5145.72
		3142.16	418.16	-3.05e-04	0.0	301.2	4643.82	-736.54	26.30	444.12	497.39	3142.16
144	8	4030.60	382.13	-7.72e-03	-105.70	0.0	3615.62	-472.72	22.46	366.97	314.47	4030.60
		2447.59	314.47	-2.58e-04	0.0	301.2	3615.62	-578.42	22.46	366.97	382.13	2447.59
144	9	3748.62	366.56	-7.16e-03	-105.70	0.0	3398.07	-429.51	18.27	313.36	311.54	3748.62
		2295.77	311.54	-2.29e-04	0.0	301.2	3398.07	-535.20	18.27	313.36	366.56	2295.77
144	10	3696.11	347.10	-7.09e-03	-105.70	0.0	3328.66	-429.40	20.74	338.15	284.64	3696.11
		2243.57	284.64	-2.33e-04	0.0	301.2	3328.66	-535.10	20.74	338.15	347.10	2243.57
144	11	3743.39	350.28	-7.14e-03	-105.70	0.0	3413.21	-430.01	15.84	317.99	302.56	3743.39
		2289.03	302.56	-2.26e-04	0.0	301.2	3413.21	-535.70	15.84	317.99	350.28	2289.03
145	1	4406.53	527.77	-0.01	-142.69	0.0	3254.74	-887.49	-30.50	244.46	527.77	4406.53
		1518.51	435.91	-2.72e-04	0.0	301.2	3254.74	-1030.18	-30.50	244.46	435.91	1518.51
145	2	4369.53	499.70	-0.01	-142.69	0.0	3215.24	-888.90	-24.74	291.46	499.70	4369.53
		1477.27	425.19	-2.78e-04	0.0	301.2	3215.24	-1031.59	-24.74	291.46	425.19	1477.27
145	3	4306.49	492.76	-0.01	-142.69	0.0	3152.42	-875.79	-23.10	301.88	492.76	4306.49
		1453.71	423.18	-2.81e-04	0.0	301.2	3152.42	-1018.48	-23.10	301.88	423.18	1453.71
145	4	4272.79	448.79	-0.01	-142.69	0.0	3239.26	-879.13	-18.17	307.37	448.79	4272.79
		1409.95	394.06	-9.20e-05	0.0	301.2	3239.26	-1021.82	-18.17	307.37	394.06	1409.95
145	5	4828.56	497.78	-0.02	-142.69	0.0	3603.31	-1054.22	-12.66	539.96	497.78	4828.56
		1438.37	459.64	-1.91e-04	0.0	301.2	3603.31	-1196.91	-12.66	539.96	459.64	1438.37
145	6	4385.55	498.47	-0.01	-142.69	0.0	3294.92	-891.75	-32.37	255.83	498.47	4385.55
		1484.70	400.97	-2.76e-04	0.0	301.2	3294.92	-1034.44	-32.37	255.83	400.97	1484.70
145	7	4249.55	497.39	-0.01	-142.69	0.0	3130.47	-858.21	-26.24	265.44	497.39	4249.55
		1449.73	418.35	-2.53e-04	0.0	301.2	3130.47	-1000.90	-26.24	265.44	418.35	1449.73
145	8	3321.54	382.13	-9.86e-03	-105.70	0.0	2426.97	-676.80	-18.27	230.53	382.13	3321.54
		1123.83	327.09	-2.17e-04	0.0	301.2	2426.97	-782.50	-18.27	230.53	327.09	1123.83
145	9	3101.60	366.56	-9.16e-03	-105.70	0.0	2292.58	-624.15	-20.20	181.88	366.56	3101.60
		1062.50	305.72	-1.91e-04	0.0	301.2	2292.58	-729.84	-20.20	181.88	305.72	1062.50
145	10	3046.02	347.10	-9.05e-03	-105.70	0.0	2235.74	-617.65	-16.09	213.79	347.10	3046.02
		1026.50	298.64	-1.97e-04	0.0	301.2	2235.74	-723.34	-16.09	213.79	298.64	1026.50
145	11	3089.95	350.28	-9.14e-03	-105.70	0.0	2314.91	-626.51	-21.24	188.20	350.28	3089.95
		1043.71	286.31	-1.93e-04	0.0	301.2	2314.91	-732.21	-21.24	188.20	286.31	1043.71
146	1	3083.27	435.91	-0.01	-142.69	0.0	1169.41	-1194.75	-120.16	108.18	435.91	3083.27
		-730.21	73.98	-2.17e-04	0.0	301.2	1169.41	-1337.44	-120.16	108.18	73.98	-730.21
146	2	3041.66	425.19	-0.01	-142.69	0.0	1135.39	-1187.82	-110.47	157.60	425.19	3041.66
		-750.94	92.45	-2.26e-04	0.0	301.2	1135.39	-1330.51	-110.47	157.60	92.45	-750.94
146	3	2991.58	423.18	-0.01	-142.69	0.0	1109.96	-1164.09	-107.58	168.87	423.18	2991.58
		-729.55	99.14	-2.28e-04	0.0	301.2	1109.96	-1306.78	-107.58	168.87	99.14	-729.55
146	4	2930.87	394.06	-0.01	-142.69	0.0	1219.85	-1170.57	-94.77	169.65	394.06	2930.87
		-809.78	108.62	-5.59e-05	0.0	301.2	1219.85	-1313.26	-94.77	169.65	108.62	-809.78
146	5	3215.16	459.64	-0.02	-142.69	0.0	1238.30	-1329.97	-92.89	372.98	459.64	3215.16
		-1005.60	179.85	-1.53e-04	0.0	301.2	1238.30	-1472.66	-92.89	372.98	179.85	-1005.60
146	6	3045.92	400.97	-0.01	-142.69	0.0	1215.33	-1203.68	-123.37	125.31	400.97	3045.92
		-794.46	29.39	-2.33e-04	0.0	301.2	1215.33	-1346.37	-123.37	125.31	29.39	-794.46
146	7	2960.80	418.35	-0.01	-142.69	0.0	1121.11	-1148.50	-110.74	133.74	418.35	2960.80
		-713.37	84.80	-2.01e-04	0.0	301.2	1121.11	-1291.19	-110.74	133.74	84.80	-713.37
146	8	2308.12	327.09	-0.01	-105.70	0.0	855.00	-898.19	-83.66	127.99	327.09	2308.12
		-556.41	75.11	-1.76e-04	0.0	301.2	855.00	-1003.89	-83.66	127.99	75.11	-556.41
146	9	2166.72	305.72	-0.01	-105.70	0.0	820.94	-840.01	-82.67	85.90	305.72	2166.72
		-522.57	56.70	-1.53e-04	0.0	301.2	820.94	-945.71	-82.67	85.90	56.70	-522.57
146	10	2115.78	298.64	-0.01	-105.70	0.0	787.91	-822.98	-75.69	119.62	298.64	2115.78
		-522.20	70.68	-1.60e-04	0.0	301.2	787.91	-928.67	-75.69	119.62	70.68	-522.20
146	11	2145.97	286.31	-0.01	-105.70	0.0	846.45	-844.97	-84.45	95.42	286.31	2145.97
		-558.26	31.93	-1.62e-04	0.0	301.2	846.45	-950.67	-84.45	95.42	31.93	-558.26
147	1	4545.08	-519.99	-0.02	-149.80	0.0	3302.32	1036.71	10.58	476.96	-553.46	4545.08
		1503.83	-553.46	5.38e-04	0.0	316.2	3302.32	886.92	10.58	476.96	-519.99	1503.83
147	2	5233.16	-600.37	-0.02	-149.80	0.0	3837.80	1229.64	4.74	602.73	-615.35	5233.16
		1581.87	-615.35	5.10e-04	0.0	316.2	3837.80	1079.84	4.74	602.73	-600.37	1581.87
147	3	4622.11	-560.14	-0.02	-149.80	0.0	3400.43	1043.81	4.40	416.49	-574.05	4622.11
		1558.42	-574.05	5.44e-04	0.0	316.2	3400.43	894.01	4.40	416.49	-560.14	1558.42
147	4	4635.61	-527.89	-0.02	-149.80	0.0	3366.53	1044.69	-5.67	427.85	-527.89	4635.61
		1569.13	-545.82	1.59e-04	0.0	316.2	3366.53	894.89	-5.67	427.85	-545.82	1569.13
147	5	4611.36	-519.00	-0.02	-149.80	0.0	3340.21	1048.16	-0.61	473.17	-519.00	4611.36
		1533.89	-520.94	1.68e-04	0.0	316.2	3340.21	898.37	-0.61	473.17	-520.94	1533.89
147	6	4551.90	-514.43	-0.02	-149.80	0.0	3280.78	1036.27	1.72	483.99	-519.87	4551.90
		1512.05	-519.87	1.81e-04	0.0	316.2	3280.78	886.47	1.72	483.99	-514.43	1512.05
147	7	4514.92	-517.59	-0.01	-149.80	0.0	3244.99	1016.61	-2.71	437.40	-517.59	4514.92
		1514.24	-526.17	1.75e-04	0.0	316.2	3244.99	866.81	-2.71	437.40	-526.17	1514.24
147	8	3562.38	-432.71	-0.01	-110.96	0.0	2624.03	802.11	4.16	319.83	-445.88	3562.38
		1201.53	-445.88	4.51e-04	0.0	316.2	2624.03	691.15	4.16	319.83	-432.71	1201.53
147	9	3224.64	-371.35	-0.01	-110.96	0.0	2341.84	736.62	5.24	331.45	-387.93	3224.64

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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147	10	1070.86	-387.93	3.25e-04	0.0	316.2	2341.84	625.66	5.24	331.45	-371.35	3224.64
		3267.43	-393.66	-0.01	-110.96	0.0	2396.35	740.57	1.81	297.86	-399.37	1101.19
		1101.19	-399.37	3.28e-04	0.0	316.2	2396.35	629.61	1.81	297.86	-393.66	3267.43
147	11	3228.43	-368.26	-0.01	-110.96	0.0	2329.88	736.38	0.32	335.36	-369.27	1075.43
		1075.43	-369.27	1.26e-04	0.0	316.2	2329.88	625.42	0.32	335.36	-368.26	3228.43
148	1	5575.07	-371.74	-0.01	-149.80	0.0	4869.70	760.29	46.89	652.17	-519.99	3407.85
		3407.85	-519.99	6.23e-04	0.0	316.2	4869.70	610.50	46.89	652.17	-371.74	5575.07
148	2	6607.60	-452.34	-0.01	-149.80	0.0	5839.16	971.80	46.82	806.47	-600.37	3771.59
		3771.59	-600.37	6.07e-04	0.0	316.2	5839.16	822.01	46.82	806.47	-452.34	6607.60
148	3	5634.98	-420.77	-0.01	-149.80	0.0	4990.97	756.91	44.08	603.99	-560.14	3478.45
		3478.45	-560.14	6.37e-04	0.0	316.2	4990.97	607.12	44.08	603.99	-420.77	5634.98
148	4	5648.37	-414.06	-0.01	-149.80	0.0	4955.87	757.32	41.67	605.76	-545.82	3490.56
		3490.56	-545.82	2.52e-04	0.0	316.2	4955.87	607.52	41.67	605.76	-414.06	5648.37
148	5	5636.10	-380.87	-0.01	-149.80	0.0	4932.44	764.64	44.30	642.04	-520.94	3455.14
		3455.14	-520.94	2.58e-04	0.0	316.2	4932.44	614.84	44.30	642.04	-380.87	5636.10
148	6	5575.53	-369.94	-0.01	-149.80	0.0	4848.61	758.99	45.69	651.32	-514.43	3412.43
		3412.43	-514.43	2.70e-04	0.0	316.2	4848.61	609.19	45.69	651.32	-369.94	5575.53
148	7	5485.54	-392.35	-0.01	-149.80	0.0	4783.06	740.77	42.32	608.49	-526.17	3380.07
		3380.07	-526.17	2.66e-04	0.0	316.2	4783.06	590.97	42.32	608.49	-392.35	5485.54
148	8	4342.43	-324.69	-9.24e-03	-110.96	0.0	3849.71	580.76	34.16	465.07	-432.71	2681.48
		2681.48	-432.71	5.23e-04	0.0	316.2	3849.71	469.80	34.16	465.07	-324.69	4342.43
148	9	3951.42	-268.65	-8.42e-03	-110.96	0.0	3453.05	540.08	32.48	455.62	-371.35	2419.12
		2419.12	-371.35	3.86e-04	0.0	316.2	3453.05	429.12	32.48	455.62	-268.65	3951.42
148	10	3984.70	-295.89	-8.48e-03	-110.96	0.0	3520.42	538.20	30.92	428.85	-393.66	2458.34
		2458.34	-393.66	3.94e-04	0.0	316.2	3520.42	427.24	30.92	428.85	-295.89	3984.70
148	11	3951.67	-267.65	-8.43e-03	-110.96	0.0	3441.34	539.35	31.82	455.15	-368.26	2421.66
		2421.66	-368.26	1.90e-04	0.0	316.2	3441.34	428.39	31.82	455.15	-267.65	3951.67
149	1	6150.43	-207.76	-7.60e-03	-149.80	0.0	5882.31	488.55	51.86	777.09	-371.74	4842.45
		4842.45	-371.74	6.91e-04	0.0	316.2	5882.31	338.76	51.86	777.09	-207.76	6150.43
149	2	7592.98	-259.37	-9.44e-03	-149.80	0.0	7330.42	733.23	61.03	960.80	-452.34	5511.35
		5511.35	-452.34	6.85e-04	0.0	316.2	7330.42	583.43	61.03	960.80	-259.37	7592.98
149	3	6193.82	-263.25	-7.64e-03	-149.80	0.0	6007.80	479.74	49.82	747.60	-420.77	4913.71
		4913.71	-420.77	7.11e-04	0.0	316.2	6007.80	329.95	49.82	747.60	-263.25	6193.82
149	4	6203.85	-260.74	-7.65e-03	-149.80	0.0	5974.85	479.57	48.49	747.08	-414.06	4924.27
		4924.27	-414.06	3.25e-04	0.0	316.2	5974.85	329.78	48.49	747.08	-260.74	6203.85
149	5	6202.76	-223.86	-7.66e-03	-149.80	0.0	5958.87	488.62	49.65	770.30	-380.87	4894.57
		4894.57	-380.87	3.27e-04	0.0	316.2	5958.87	338.83	49.65	770.30	-223.86	6202.76
149	6	6146.75	-208.56	-7.61e-03	-149.80	0.0	5860.63	487.21	51.04	776.11	-369.94	4843.01
		4843.01	-369.94	3.36e-04	0.0	316.2	5860.63	337.42	51.04	776.11	-208.56	6146.75
149	7	6034.80	-238.35	-7.45e-03	-149.80	0.0	5771.68	472.40	48.70	741.36	-392.35	4777.91
		4777.91	-392.35	3.36e-04	0.0	316.2	5771.68	322.60	48.70	741.36	-238.35	6034.80
149	8	4773.19	-202.76	-5.89e-03	-110.96	0.0	4632.52	367.16	38.56	575.98	-324.69	3787.65
		3787.65	-324.69	5.80e-04	0.0	316.2	4632.52	256.20	38.56	575.98	-202.76	4773.19
149	9	4356.01	-154.21	-5.38e-03	-110.96	0.0	4170.51	347.20	36.19	546.07	-268.65	3433.58
		3433.58	-268.65	4.35e-04	0.0	316.2	4170.51	236.24	36.19	546.07	-154.21	4356.01
149	10	4380.12	-185.04	-5.40e-03	-110.96	0.0	4240.22	342.31	35.06	529.68	-295.89	3473.17
		3473.17	-295.89	4.46e-04	0.0	316.2	4240.22	231.35	35.06	529.68	-185.04	4380.12
149	11	4353.97	-154.66	-5.38e-03	-110.96	0.0	4158.47	346.46	35.74	545.52	-267.65	3433.89
		3433.89	-267.65	2.38e-04	0.0	316.2	4158.47	235.50	35.74	545.52	-154.66	4353.97
150	1	6228.64	-17.45	-2.67e-03	-149.80	0.0	6391.04	216.40	60.19	826.77	-207.76	5781.21
		5781.21	-207.76	7.48e-04	0.0	316.2	6391.04	66.61	60.19	826.77	-17.45	6228.64
150	2	8199.57	108.15	-3.45e-03	-149.80	0.0	8384.28	516.43	116.23	1018.75	-259.37	6803.43
		6803.43	-259.37	7.48e-04	0.0	316.2	8384.28	366.64	116.23	1018.75	108.15	8199.57
150	3	6255.83	-75.93	-2.67e-03	-149.80	0.0	6510.49	204.66	59.24	818.35	-263.25	5845.52
		5845.52	-263.25	7.76e-04	0.0	316.2	6510.49	54.87	59.24	818.35	-75.93	6255.83
150	4	6263.76	-75.78	-2.67e-03	-149.80	0.0	6477.94	204.24	58.49	817.18	-260.74	5854.79
		5854.79	-260.74	3.88e-04	0.0	316.2	6477.94	54.44	58.49	817.18	-75.78	6263.76
150	5	6272.66	-37.92	-2.69e-03	-149.80	0.0	6471.83	213.94	58.81	825.45	-223.86	5833.01
		5833.01	-223.86	3.86e-04	0.0	316.2	6471.83	64.14	58.81	825.45	-37.92	6272.66
150	6	6224.01	-19.20	-2.68e-03	-149.80	0.0	6367.67	215.58	59.89	826.36	-208.56	5779.19
		5779.19	-208.56	3.93e-04	0.0	316.2	6367.67	65.78	59.89	826.36	-19.20	6224.01
150	7	6100.44	-54.47	-2.61e-03	-149.80	0.0	6262.58	205.33	58.15	803.13	-238.35	5688.00
		5688.00	-238.35	3.97e-04	0.0	316.2	6262.58	55.54	58.15	803.13	-54.47	6100.44
150	8	4821.29	-58.05	-2.06e-03	-110.96	0.0	5019.16	155.25	45.77	630.64	-202.76	4505.81
		4505.81	-202.76	6.30e-04	0.0	316.2	5019.16	44.29	45.77	630.64	-58.05	4821.29
150	9	4408.88	-20.37	-1.89e-03	-110.96	0.0	4530.26	154.29	42.33	583.75	-154.21	4096.45
		4096.45	-154.21	4.77e-04	0.0	316.2	4530.26	43.33	42.33	583.75	-20.37	4408.88
150	10	4423.99	-52.86	-1.89e-03	-110.96	0.0	4596.62	147.76	41.80	579.08	-185.04	4132.18
		4132.18	-185.04	4.92e-04	0.0	316.2	4596.62	36.80	41.80	579.08	-52.86	4423.99
150	11	4406.31	-21.35	-1.89e-03	-110.96	0.0	4517.28	153.83	42.16	583.53	-154.66	4095.33
		4095.33	-154.66	2.79e-04	0.0	316.2	4517.28	42.87	42.16	583.53	-21.35	4406.31
151	1	6226.18	182.51	-2.47e-03	-149.80	0.0	6392.33	-56.83	63.24	809.15	-17.45	6226.18

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		5809.67	-17.45	7.75e-04	0.0	316.2	6392.33	-206.62	63.24	809.15	182.51	5809.67
151	2	8269.56	265.72	-3.12e-03	-149.80	0.0	8436.03	-344.39	33.07	922.45	161.14	8269.56
		6943.78	161.14	8.00e-04	0.0	316.2	8436.03	-494.18	33.07	922.45	265.72	6943.78
151	3	6278.97	125.53	-2.50e-03	-149.80	0.0	6500.26	-70.25	63.71	822.68	-75.93	6278.97
		5820.01	-75.93	8.11e-04	0.0	316.2	6500.26	-220.04	63.71	822.68	125.53	5820.01
151	4	6288.81	123.85	-2.52e-03	-149.80	0.0	6465.18	-70.92	63.13	821.82	-75.78	6288.81
		5827.73	-75.78	4.23e-04	0.0	316.2	6465.18	-220.72	63.13	821.82	123.85	5827.73
151	5	6276.29	160.06	-2.49e-03	-149.80	0.0	6469.34	-61.24	62.61	814.75	-37.92	6276.29
		5845.84	-37.92	4.17e-04	0.0	316.2	6469.34	-211.03	62.61	814.75	160.06	5845.84
151	6	6223.87	180.49	-2.46e-03	-149.80	0.0	6366.67	-57.16	63.15	809.53	-19.20	6223.87
		5806.29	-19.20	4.20e-04	0.0	316.2	6366.67	-206.96	63.15	809.53	180.49	5806.29
151	7	6114.83	142.32	-2.44e-03	-149.80	0.0	6254.62	-62.04	62.24	799.81	-54.47	6114.83
		5681.82	-54.47	4.28e-04	0.0	316.2	6254.62	-211.84	62.24	799.81	142.32	5681.82
151	8	4839.82	97.45	-1.93e-03	-110.96	0.0	5010.94	-56.50	49.18	634.04	-58.05	4839.82
		4485.74	-58.05	6.56e-04	0.0	316.2	5010.94	-167.46	49.18	634.04	97.45	4485.74
151	9	4409.71	121.03	-1.75e-03	-110.96	0.0	4529.93	-39.27	44.72	574.06	-20.37	4409.71
		4110.10	-20.37	4.97e-04	0.0	316.2	4529.93	-150.23	44.72	574.06	121.03	4110.10
151	10	4439.03	89.37	-1.77e-03	-110.96	0.0	4589.89	-46.73	44.98	581.58	-52.86	4439.03
		4115.85	-52.86	5.17e-04	0.0	316.2	4589.89	-157.69	44.98	581.58	89.37	4115.85
151	11	4408.22	119.90	-1.75e-03	-110.96	0.0	4515.68	-39.46	44.67	574.27	-21.35	4408.22
		4108.22	-21.35	3.00e-04	0.0	316.2	4515.68	-150.42	44.67	574.27	119.90	4108.22
152	1	6179.02	379.61	-7.42e-03	-149.80	0.0	5879.22	-329.08	62.33	723.49	182.51	6179.02
		4901.64	182.51	7.67e-04	0.0	316.2	5879.22	-478.88	62.33	723.49	379.61	4901.64
152	2	7695.90	402.39	-9.20e-03	-149.80	0.0	7398.49	-573.19	43.22	809.00	265.72	7695.90
		5646.66	265.72	7.73e-04	0.0	316.2	7398.49	-722.98	43.22	809.00	402.39	5646.66
152	3	6216.78	329.77	-7.47e-03	-149.80	0.0	5972.25	-343.39	64.59	758.28	125.53	6216.78
		4894.16	125.53	8.11e-04	0.0	316.2	5972.25	-493.18	64.59	758.28	329.77	4894.16
152	4	6229.36	325.03	-7.49e-03	-149.80	0.0	5931.22	-344.60	63.63	758.58	123.85	6229.36
		4902.91	123.85	4.22e-04	0.0	316.2	5931.22	-494.39	63.63	758.58	325.03	4902.91
152	5	6227.29	356.72	-7.47e-03	-149.80	0.0	5944.64	-335.58	62.20	736.78	160.06	6227.29
		4929.34	160.06	4.13e-04	0.0	316.2	5944.64	-485.38	62.20	736.78	356.72	4929.34
152	6	6178.45	376.42	-7.41e-03	-149.80	0.0	5850.59	-329.14	61.97	724.75	180.49	6178.45
		4900.88	180.49	4.12e-04	0.0	316.2	5850.59	-478.94	61.97	724.75	376.42	4900.88
152	7	6060.77	338.38	-7.29e-03	-149.80	0.0	5741.91	-328.13	62.01	729.64	142.32	6060.77
		4786.40	142.32	4.25e-04	0.0	316.2	5741.91	-477.92	62.01	729.64	338.38	4786.40
152	8	4791.72	255.14	-5.76e-03	-110.96	0.0	4604.31	-266.86	49.87	584.38	97.45	4791.72
		3772.47	97.45	6.56e-04	0.0	316.2	4604.31	-377.82	49.87	584.38	255.14	3772.47
152	9	4374.69	260.99	-5.26e-03	-110.96	0.0	4164.67	-232.07	44.26	516.23	121.03	4374.69
		3465.47	121.03	4.93e-04	0.0	316.2	4164.67	-343.03	44.26	516.23	260.99	3465.47
152	10	4395.68	233.30	-5.29e-03	-110.96	0.0	4216.35	-240.02	45.52	535.56	89.37	4395.68
		3461.31	89.37	5.17e-04	0.0	316.2	4216.35	-350.98	45.52	535.56	233.30	3461.31
152	11	4374.38	259.22	-5.25e-03	-110.96	0.0	4148.76	-232.10	44.06	516.93	119.90	4374.38
		3465.04	119.90	2.96e-04	0.0	316.2	4148.76	-343.06	44.06	516.93	259.22	3465.04
153	1	5646.40	557.47	-0.01	-149.80	0.0	4844.98	-600.18	56.25	568.73	379.61	5646.40
		3511.81	379.61	7.27e-04	0.0	316.2	4844.98	-749.97	56.25	568.73	557.47	3511.81
153	2	6740.40	582.98	-0.01	-149.80	0.0	5885.81	-818.05	57.11	626.57	402.39	6740.40
		3916.91	402.39	7.44e-04	0.0	316.2	5885.81	-967.84	57.11	626.57	582.98	3916.91
153	3	5666.06	523.30	-0.01	-149.80	0.0	4920.71	-614.74	61.20	621.72	329.77	5666.06
		3485.41	329.77	7.78e-04	0.0	316.2	4920.71	-764.54	61.20	621.72	523.30	3485.41
153	4	5682.30	511.13	-0.01	-149.80	0.0	4870.65	-616.81	58.85	624.44	325.03	5682.30
		3495.11	325.03	3.90e-04	0.0	316.2	4870.65	-766.61	58.85	624.44	511.13	3495.11
153	5	5692.08	534.31	-0.01	-149.80	0.0	4890.62	-609.54	56.16	589.78	356.72	5692.08
		3527.90	356.72	3.77e-04	0.0	316.2	4890.62	-759.33	56.16	589.78	534.31	3527.90
153	6	5648.47	549.88	-0.01	-149.80	0.0	4813.22	-600.04	54.86	571.17	376.42	5648.47
		3514.31	376.42	3.73e-04	0.0	316.2	4813.22	-749.84	54.86	571.17	549.88	3514.31
153	7	5531.93	516.10	-0.01	-149.80	0.0	4718.81	-592.77	56.20	590.63	338.38	5531.93
		3420.77	338.38	3.91e-04	0.0	316.2	4718.81	-742.57	56.20	590.63	516.10	3420.77
153	8	4367.02	404.86	-9.11e-03	-110.96	0.0	3794.79	-475.85	47.35	478.99	255.14	4367.02
		2686.95	255.14	6.30e-04	0.0	316.2	3794.79	-586.81	47.35	478.99	404.86	2686.95
153	9	3996.12	387.80	-8.33e-03	-110.96	0.0	3429.89	-423.97	40.10	409.30	260.99	3996.12
		2480.09	260.99	4.66e-04	0.0	316.2	3429.89	-534.93	40.10	409.30	387.80	2480.09
153	10	4007.04	368.81	-8.37e-03	-110.96	0.0	3471.96	-432.07	42.86	438.74	233.30	4007.04
		2465.42	233.30	4.94e-04	0.0	316.2	3471.96	-543.03	42.86	438.74	368.81	2465.42
153	11	3997.27	383.58	-8.33e-03	-110.96	0.0	3412.24	-423.90	39.33	410.66	259.22	3997.27
		2481.47	259.22	2.69e-04	0.0	316.2	3412.24	-534.86	39.33	410.66	383.58	2481.47
154	1	4656.88	612.32	-0.02	-149.80	0.0	3260.16	-877.34	17.35	367.93	557.47	4656.88
		1645.90	557.47	-6.49e-04	0.0	316.2	3260.16	-1027.13	17.35	367.93	612.32	1645.90
154	2	5392.74	641.75	-0.02	-149.80	0.0	3849.59	-1080.66	18.58	414.63	582.98	5392.74
		1738.86	582.98	-6.64e-04	0.0	316.2	3849.59	-1230.46	18.58	414.63	641.75	1738.86
154	3	4656.34	618.23	-0.02	-149.80	0.0	3315.16	-892.25	30.02	430.03	523.30	4656.34
		1598.23	523.30	-7.06e-04	0.0	316.2	3315.16	-1042.04	30.02	430.03	618.23	1598.23
154	4	4673.13	562.21	-0.02	-149.80	0.0	3257.17	-894.19	16.15	443.85	511.13	4673.13

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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154	5	1608.87	511.13	-3.16e-04	0.0	316.2	3257.17	-1043.99	16.15	443.85	562.21	1608.87
		4695.89	570.35	-0.02	-149.80	0.0	3278.59	-890.64	11.40	400.20	534.31	4695.89
		1642.87	534.31	-3.01e-04	0.0	316.2	3278.59	-1040.43	11.40	400.20	570.35	1642.87
154	6	4660.05	576.74	-0.02	-149.80	0.0	3228.23	-876.31	8.49	376.65	549.88	4660.05
		1652.32	549.88	-2.94e-04	0.0	316.2	3228.23	-1026.11	8.49	376.65	576.74	1652.32
154	7	4554.51	556.88	-0.01	-149.80	0.0	3159.23	-862.43	12.90	408.19	516.10	4554.51
		1590.68	516.10	-3.17e-04	0.0	316.2	3159.23	-1012.23	12.90	408.19	556.88	1590.68
154	8	3588.73	481.53	-0.01	-110.96	0.0	2558.49	-689.72	24.25	330.36	404.86	3588.73
		1232.42	404.86	-5.75e-04	0.0	316.2	2558.49	-800.68	24.25	330.36	481.53	1232.42
154	9	3293.89	425.55	-0.01	-110.96	0.0	2305.28	-619.97	11.94	269.92	387.80	3293.89
		1158.13	387.80	-4.11e-04	0.0	316.2	2305.28	-730.93	11.94	269.92	425.55	1158.13
154	10	3293.59	428.84	-0.01	-110.96	0.0	2335.83	-628.25	18.98	304.42	368.81	3293.59
		1131.64	368.81	-4.43e-04	0.0	316.2	2335.83	-739.21	18.98	304.42	428.84	1131.64
154	11	3295.65	405.79	-0.01	-110.96	0.0	2287.54	-619.40	7.02	274.76	383.58	3295.65
		1161.69	383.58	2.14e-04	0.0	316.2	2287.54	-730.36	7.02	274.76	405.79	1161.69
155	1	3247.35	612.32	-0.02	-149.80	0.0	1096.93	-1200.70	-133.90	238.87	612.32	3247.35
		-786.08	188.92	-4.98e-04	0.0	316.2	1096.93	-1350.49	-133.90	238.87	188.92	-786.08
155	2	3653.94	641.75	-0.02	-149.80	0.0	1256.49	-1406.03	-137.08	272.90	641.75	3653.94
		-1028.77	208.30	-5.11e-04	0.0	316.2	1256.49	-1555.83	-137.08	272.90	208.30	-1028.77
155	3	3229.32	618.23	-0.02	-149.80	0.0	1118.18	-1218.55	-111.57	298.04	618.23	3229.32
		-860.56	265.47	-5.52e-04	0.0	316.2	1118.18	-1368.35	-111.57	298.04	265.47	-860.56
155	4	3228.18	562.21	-0.02	-149.80	0.0	1077.48	-1216.98	-110.72	307.80	562.21	3228.18
		-856.75	212.12	-1.93e-04	0.0	316.2	1077.48	-1366.78	-110.72	307.80	212.12	-856.75
155	5	3261.78	570.35	-0.02	-149.80	0.0	1093.63	-1220.65	-119.01	262.50	570.35	3261.78
		-834.76	194.03	-1.76e-04	0.0	316.2	1093.63	-1370.45	-119.01	262.50	194.03	-834.76
155	6	3240.65	576.74	-0.02	-149.80	0.0	1083.70	-1198.18	-124.02	237.97	576.74	3240.65
		-784.81	184.58	-1.67e-04	0.0	316.2	1083.70	-1347.97	-124.02	237.97	184.58	-784.81
155	7	3155.40	556.88	-0.02	-149.80	0.0	1050.60	-1176.40	-113.56	274.34	556.88	3155.40
		-801.20	197.81	-1.94e-04	0.0	316.2	1050.60	-1326.20	-113.56	274.34	197.81	-801.20
155	8	2490.22	481.53	-0.01	-110.96	0.0	864.37	-941.60	-86.23	229.00	481.53	2490.22
		-662.56	208.88	-4.53e-04	0.0	316.2	864.37	-1052.56	-86.23	229.00	208.88	-662.56
155	9	2292.64	425.55	-0.01	-110.96	0.0	773.59	-848.37	-91.40	177.51	425.55	2292.64
		-565.34	136.55	-3.09e-04	0.0	316.2	773.59	-959.33	-91.40	177.51	136.55	-565.34
155	10	2282.62	428.84	-0.01	-110.96	0.0	785.39	-858.29	-78.99	210.39	428.84	2282.62
		-606.72	179.07	-3.39e-04	0.0	316.2	785.39	-969.25	-78.99	210.39	179.07	-606.72
155	11	2288.92	405.79	-0.01	-110.96	0.0	766.23	-846.97	-85.91	177.01	405.79	2288.92
		-564.64	134.14	-1.25e-04	0.0	316.2	766.23	-957.93	-85.91	177.01	134.14	-564.64
156	1	4113.21	-495.75	-0.01	-142.69	0.0	2971.23	981.43	0.32	428.50	-496.70	4113.21
		1372.04	-496.70	-1.77e-04	0.0	301.2	2971.23	838.74	0.32	428.50	-495.75	1372.04
156	2	4170.75	-493.37	-0.01	-142.69	0.0	3022.52	993.76	-2.55	420.31	-493.37	4170.75
		1392.43	-501.05	-1.65e-04	0.0	301.2	3022.52	851.07	-2.55	420.31	-501.05	1392.43
156	3	4193.19	-501.97	-0.01	-142.69	0.0	3042.63	990.30	-7.58	379.76	-501.97	4193.19
		1425.30	-524.81	-1.47e-04	0.0	301.2	3042.63	847.61	-7.58	379.76	-524.81	1425.30
156	4	4208.75	-498.50	-0.01	-142.69	0.0	3004.28	991.67	-7.32	385.16	-498.50	4208.75
		1436.73	-520.54	-8.34e-05	0.0	301.2	3004.28	848.98	-7.32	385.16	-520.54	1436.73
156	5	4780.75	-548.96	-0.01	-142.69	0.0	3476.72	1179.43	-7.48	556.63	-548.96	4780.75
		1443.21	-571.51	2.69e-05	0.0	301.2	3476.72	1036.74	-7.48	556.63	-571.51	1443.21
156	6	4108.93	-499.31	-0.01	-142.69	0.0	2979.89	980.93	1.26	426.12	-503.11	4108.93
		1369.27	-503.11	-1.57e-04	0.0	301.2	2979.89	838.24	1.26	426.12	-499.31	1369.27
156	7	4059.40	-497.29	-0.01	-142.69	0.0	2942.80	963.10	-3.35	386.31	-497.29	4059.40
		1373.45	-507.39	-1.31e-04	0.0	301.2	2942.80	820.41	-3.35	386.31	-507.39	1373.45
156	8	3232.82	-386.54	-9.59e-03	-105.70	0.0	2344.76	761.06	-5.91	292.39	-386.54	3232.82
		1099.69	-404.34	-1.16e-04	0.0	301.2	2344.76	655.36	-5.91	292.39	-404.34	1099.69
156	9	2917.65	-352.87	-8.73e-03	-105.70	0.0	2110.49	697.50	-0.64	297.02	-352.87	2917.65
		975.95	-354.81	-1.17e-04	0.0	301.2	2110.49	591.81	-0.64	297.02	-354.81	975.95
156	10	2962.08	-355.79	-8.80e-03	-105.70	0.0	2150.16	702.43	-5.03	269.94	-355.79	2962.08
		1005.54	-370.95	-1.00e-04	0.0	301.2	2150.16	596.74	-5.03	269.94	-370.95	1005.54
156	11	2915.27	-356.43	-8.73e-03	-105.70	0.0	2115.30	697.23	-0.12	295.69	-356.43	2915.27
		974.41	-356.79	-1.06e-04	0.0	301.2	2115.30	591.53	-0.12	295.69	-356.79	974.41
157	1	5041.32	-361.01	-9.64e-03	-142.69	0.0	4389.42	718.27	44.74	580.43	-495.75	5041.32
		3092.78	-495.75	-2.56e-04	0.0	301.2	4389.42	575.58	44.74	580.43	-361.01	3092.78
157	2	5100.65	-370.62	-9.73e-03	-142.69	0.0	4465.66	724.55	43.30	573.23	-501.05	5100.65
		3133.18	-501.05	-2.45e-04	0.0	301.2	4465.66	581.86	43.30	573.23	-370.62	3133.18
157	3	5111.77	-402.55	-9.72e-03	-142.69	0.0	4483.87	717.35	40.59	541.04	-524.81	5111.77
		3165.99	-524.81	-2.30e-04	0.0	301.2	4483.87	574.66	40.59	541.04	-402.55	3165.99
157	4	5123.34	-401.73	-9.73e-03	-142.69	0.0	4451.26	717.65	39.44	544.03	-520.54	5123.34
		3176.67	-520.54	2.79e-05	0.0	301.2	4451.26	574.96	39.44	544.03	-401.73	3176.67
157	5	6051.96	-438.55	-0.01	-142.69	0.0	5316.08	935.87	44.14	734.82	-571.51	6051.96
		3448.00	-571.51	-1.03e-04	0.0	301.2	5316.08	793.18	44.14	734.82	-438.55	3448.00
157	6	5037.87	-364.59	-9.66e-03	-142.69	0.0	4394.77	717.55	44.73	579.28	-499.31	5037.87
		3091.49	-499.31	-2.37e-04	0.0	301.2	4394.77	574.86	44.73	579.28	-364.59	3091.49
157	7	4960.51	-382.41	-9.46e-03	-142.69	0.0	4334.21	700.94	41.49	542.03	-507.39	4960.51

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157	8	3064.19	-507.39	-2.12e-04	0.0	301.2	4334.21	558.25	41.49	542.03	-382.41	4960.51
		3940.19	-310.18	-7.49e-03	-105.70	0.0	3455.46	550.44	31.26	416.69	-404.34	2441.44
		2441.44	-404.34	-1.80e-04	0.0	301.2	3455.46	444.74	31.26	416.69	-310.18	3940.19
157	9	3573.49	-260.97	-6.83e-03	-105.70	0.0	3116.01	510.47	31.15	405.76	-354.81	2195.13
		2195.13	-354.81	-1.74e-04	0.0	301.2	3116.01	404.77	31.15	405.76	-260.97	3573.49
157	10	3612.63	-284.06	-6.87e-03	-105.70	0.0	3168.48	509.96	28.85	383.88	-370.95	2235.81
		2235.81	-370.95	-1.59e-04	0.0	301.2	3168.48	404.26	28.85	383.88	-284.06	3612.63
157	11	3571.57	-262.96	-6.84e-03	-105.70	0.0	3118.98	510.07	31.15	405.13	-356.79	2194.42
		2194.42	-356.79	-1.63e-04	0.0	301.2	3118.98	404.37	31.15	405.13	-262.96	3571.57
158	1	5558.02	-200.08	-6.12e-03	-142.69	0.0	5307.35	461.05	53.43	694.36	-361.01	4384.24
		4384.24	-361.01	-3.17e-04	0.0	301.2	5307.35	318.36	53.43	694.36	-200.08	5558.02
158	2	5613.52	-213.75	-6.16e-03	-142.69	0.0	5399.13	463.07	52.08	690.17	-370.62	4433.64
		4433.64	-370.62	-3.07e-04	0.0	301.2	5399.13	320.38	52.08	690.17	-213.75	5613.52
158	3	5613.90	-249.60	-6.14e-03	-142.69	0.0	5410.91	454.02	50.78	670.10	-402.55	4461.27
		4461.27	-402.55	-2.95e-04	0.0	301.2	5410.91	311.33	50.78	670.10	-249.60	5613.90
158	4	5623.49	-251.90	-6.15e-03	-142.69	0.0	5381.04	453.96	49.75	671.49	-401.73	4471.06
		4471.06	-401.73	-6.65e-05	0.0	301.2	5381.04	311.27	49.75	671.49	-251.90	5623.49
158	5	6968.35	-243.77	-7.75e-03	-142.69	0.0	6701.77	711.18	64.67	874.02	-438.55	5041.17
		5041.17	-438.55	-1.73e-04	0.0	301.2	6701.77	568.49	64.67	874.02	-243.77	6968.35
158	6	5555.67	-204.01	-6.13e-03	-142.69	0.0	5309.04	460.35	53.31	693.72	-364.59	4383.99
		4383.99	-364.59	-2.99e-04	0.0	301.2	5309.04	317.66	53.31	693.72	-204.01	5555.67
158	7	5457.48	-228.72	-5.99e-03	-142.69	0.0	5230.42	446.72	51.03	663.32	-382.41	4326.84
		4326.84	-382.41	-2.75e-04	0.0	301.2	5230.42	304.03	51.03	663.32	-228.72	5457.48
158	8	4326.91	-192.18	-4.73e-03	-105.70	0.0	4169.44	347.44	39.18	516.22	-310.18	3439.59
		3439.59	-310.18	-2.30e-04	0.0	301.2	4169.44	241.75	39.18	516.22	-192.18	4326.91
158	9	3937.44	-148.21	-4.33e-03	-105.70	0.0	3766.52	327.87	37.44	488.24	-260.97	3109.08
		3109.08	-260.97	-2.17e-04	0.0	301.2	3766.52	222.17	37.44	488.24	-148.21	3937.44
158	10	3968.48	-175.72	-4.34e-03	-105.70	0.0	3824.06	323.96	35.97	474.76	-284.06	3151.87
		3151.87	-284.06	-2.05e-04	0.0	301.2	3824.06	218.27	35.97	474.76	-175.72	3968.48
158	11	3936.13	-150.39	-4.34e-03	-105.70	0.0	3767.46	327.48	37.38	487.88	-262.96	3108.94
		3108.94	-262.96	-2.07e-04	0.0	301.2	3767.46	221.78	37.38	487.88	-150.39	3936.13
159	1	5631.99	-19.26	-2.08e-03	-142.69	0.0	5760.31	203.57	60.03	742.87	-200.08	5233.72
		5233.72	-200.08	-3.64e-04	0.0	301.2	5760.31	60.88	60.03	742.87	-19.26	5631.99
159	2	5680.75	-36.06	-2.08e-03	-142.69	0.0	5859.31	202.44	58.99	742.88	-213.75	5285.89
		5285.89	-213.75	-3.57e-04	0.0	301.2	5859.31	59.75	58.99	742.88	-36.06	5680.75
159	3	5671.39	-73.02	-2.05e-03	-142.69	0.0	5862.10	192.61	58.62	736.75	-249.60	5306.14
		5306.14	-249.60	-3.48e-04	0.0	301.2	5862.10	49.92	58.62	736.75	-73.02	5671.39
159	4	5681.03	-77.71	-2.05e-03	-142.69	0.0	5832.66	192.53	57.83	737.31	-251.90	5316.02
		5316.02	-251.90	-1.22e-04	0.0	301.2	5832.66	49.84	57.83	737.31	-77.71	5681.03
159	5	7549.90	108.89	-2.77e-03	-142.69	0.0	7681.60	506.63	117.08	928.10	-243.77	6238.83
		6238.83	-243.77	-2.25e-04	0.0	301.2	7681.60	363.94	117.08	928.10	108.89	7549.90
159	6	5630.89	-23.84	-2.09e-03	-142.69	0.0	5758.35	202.93	59.82	742.72	-204.01	5234.55
		5234.55	-204.01	-3.47e-04	0.0	301.2	5758.35	60.24	59.82	742.72	-23.84	5630.89
159	7	5520.79	-53.09	-2.02e-03	-142.69	0.0	5668.28	193.47	58.31	722.22	-228.72	5152.94
		5152.94	-228.72	-3.26e-04	0.0	301.2	5668.28	50.78	58.31	722.22	-53.09	5520.79
159	8	4371.27	-55.98	-1.58e-03	-105.70	0.0	4516.55	146.02	45.22	567.73	-192.18	4090.63
		4090.63	-192.18	-2.71e-04	0.0	301.2	4516.55	40.33	45.22	567.73	-55.98	4371.27
159	9	3987.67	-20.87	-1.47e-03	-105.70	0.0	4087.09	145.25	42.28	524.74	-148.21	3709.35
		3709.35	-148.21	-2.52e-04	0.0	301.2	4087.09	39.56	42.28	524.74	-20.87	3987.67
159	10	4009.56	-50.74	-1.45e-03	-105.70	0.0	4143.64	139.16	41.49	521.34	-175.72	3749.58
		3749.58	-175.72	-2.43e-04	0.0	301.2	4143.64	33.47	41.49	521.34	-50.74	4009.56
159	11	3987.06	-23.41	-1.47e-03	-105.70	0.0	4086.01	144.90	42.16	524.66	-150.39	3709.81
		3709.81	-150.39	-2.42e-04	0.0	301.2	4086.01	39.20	42.16	524.66	-23.41	3987.06
160	1	5639.20	170.87	-2.15e-03	-142.69	0.0	5750.63	-54.68	63.12	728.58	-19.26	5639.20
		5259.61	-19.26	-3.87e-04	0.0	301.2	5750.63	-197.37	63.12	728.58	170.87	5259.61
160	2	5690.55	152.53	-2.18e-03	-142.69	0.0	5849.39	-58.38	62.61	733.86	-36.06	5690.55
		5299.83	-36.06	-3.83e-04	0.0	301.2	5849.39	-201.07	62.61	733.86	152.53	5299.83
160	3	5702.12	117.14	-2.21e-03	-142.69	0.0	5842.39	-68.29	63.13	742.11	-73.02	5702.12
		5281.55	-73.02	-3.77e-04	0.0	301.2	5842.39	-210.98	63.13	742.11	117.14	5281.55
160	4	5713.62	110.05	-2.22e-03	-142.69	0.0	5811.60	-68.34	62.34	742.58	-77.71	5713.62
		5292.89	-77.71	-1.53e-04	0.0	301.2	5811.60	-211.03	62.34	742.58	110.05	5292.89
160	5	7629.21	259.99	-2.72e-03	-142.69	0.0	7721.45	-341.81	32.57	834.18	161.88	7629.21
		6384.78	161.88	-2.74e-04	0.0	301.2	7721.45	-484.50	32.57	834.18	259.99	6384.78
160	6	5641.46	165.30	-2.13e-03	-142.69	0.0	5744.92	-55.31	62.80	729.00	-23.84	5641.46
		5259.97	-23.84	-3.72e-04	0.0	301.2	5744.92	-198.00	62.80	729.00	165.30	5259.97
160	7	5542.29	134.27	-2.13e-03	-142.69	0.0	5651.73	-59.76	62.21	720.22	-53.09	5542.29
		5147.40	-53.09	-3.53e-04	0.0	301.2	5651.73	-202.45	62.21	720.22	134.27	5147.40
160	8	4395.78	90.64	-1.71e-03	-105.70	0.0	4500.88	-54.96	48.68	572.00	-55.98	4395.78
		4071.06	-55.98	-2.93e-04	0.0	301.2	4500.88	-160.66	48.68	572.00	90.64	4071.06
160	9	3994.89	113.64	-1.53e-03	-105.70	0.0	4079.43	-37.79	44.66	516.98	-20.87	3994.89
		3721.89	-20.87	-2.69e-04	0.0	301.2	4079.43	-143.49	44.66	516.98	113.64	3721.89
160	10	4029.84	83.79	-1.56e-03	-105.70	0.0	4130.40	-45.35	44.66	524.49	-50.74	4029.84

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160	11	3734.08	-50.74	-2.64e-04	0.0	301.2	4130.40	-151.04	44.66	524.49	83.79	3734.08
		3996.14	110.55	-1.52e-03	-105.70	0.0	4076.25	-38.14	44.48	517.21	-23.41	3996.14
		3722.09	-23.41	-2.61e-04	0.0	301.2	4076.25	-143.83	44.48	517.21	110.55	3722.09
161	1	5601.80	351.75	-6.22e-03	-142.69	0.0	5273.21	-311.91	60.06	653.33	170.87	5601.80
		4447.43	170.87	-3.80e-04	0.0	301.2	5273.21	-454.60	60.06	653.33	351.75	4447.43
161	2	5650.13	334.09	-6.28e-03	-142.69	0.0	5364.51	-318.10	60.28	664.43	152.53	5650.13
		4477.13	152.53	-3.78e-04	0.0	301.2	5364.51	-460.79	60.28	664.43	334.09	4477.13
161	3	5651.83	303.23	-6.31e-03	-142.69	0.0	5348.33	-327.35	61.78	686.51	117.14	5651.83
		4450.96	117.14	-3.76e-04	0.0	301.2	5348.33	-470.04	61.78	686.51	303.23	4450.96
161	4	5666.69	291.49	-6.33e-03	-142.69	0.0	5314.58	-327.71	60.24	688.25	110.05	5666.69
		4464.73	110.05	-1.54e-04	0.0	301.2	5314.58	-470.40	60.24	688.25	291.49	4464.73
161	5	7092.43	374.52	-7.80e-03	-142.69	0.0	6739.21	-557.63	38.02	732.17	259.99	7092.43
		5197.95	259.99	-2.47e-04	0.0	301.2	6739.21	-700.32	38.02	732.17	374.52	5197.95
161	6	5606.04	343.95	-6.20e-03	-142.69	0.0	5263.37	-312.69	59.31	654.82	165.30	5606.04
		4449.34	165.30	-3.66e-04	0.0	301.2	5263.37	-455.38	59.31	654.82	343.95	4449.34
161	7	5496.99	315.24	-6.12e-03	-142.69	0.0	5176.66	-311.45	60.08	658.27	134.27	5496.99
		4344.03	134.27	-3.50e-04	0.0	301.2	5176.66	-454.14	60.08	658.27	315.24	4344.03
161	8	4357.05	234.12	-4.86e-03	-105.70	0.0	4119.90	-254.52	47.64	529.29	90.64	4357.05
		3431.25	90.64	-2.91e-04	0.0	301.2	4119.90	-360.22	47.64	529.29	234.12	3431.25
161	9	3966.70	242.25	-4.41e-03	-105.70	0.0	3739.97	-220.01	42.70	466.07	113.64	3966.70
		3144.86	113.64	-2.65e-04	0.0	301.2	3739.97	-325.70	42.70	466.07	242.25	3144.86
161	10	3994.50	215.29	-4.46e-03	-105.70	0.0	3781.70	-228.58	43.66	484.51	83.79	3994.50
		3146.82	83.79	-2.63e-04	0.0	301.2	3781.70	-334.28	43.66	484.51	215.29	3146.82
161	11	3969.06	237.92	-4.40e-03	-105.70	0.0	3734.50	-220.44	42.29	466.90	110.55	3969.06
		3145.92	110.55	-2.57e-04	0.0	301.2	3734.50	-326.13	42.29	466.90	237.92	3145.92
162	1	5124.97	504.27	-9.80e-03	-142.69	0.0	4325.93	-568.42	50.64	516.43	351.75	5124.97
		3197.98	351.75	-3.47e-04	0.0	301.2	4325.93	-711.11	50.64	516.43	504.27	3197.98
162	2	5168.44	490.42	-9.89e-03	-142.69	0.0	4401.86	-577.73	51.90	533.08	334.09	5168.44
		3213.44	334.09	-3.48e-04	0.0	301.2	4401.86	-720.42	51.90	533.08	490.42	3213.44
162	3	5158.98	468.29	-9.90e-03	-142.69	0.0	4378.85	-585.15	54.80	567.11	303.23	5158.98
		3181.62	303.23	-3.49e-04	0.0	301.2	4378.85	-727.84	54.80	567.11	468.29	3181.62
162	4	5177.48	445.38	-9.93e-03	-142.69	0.0	4341.74	-586.53	51.09	572.81	291.49	5177.48
		3195.96	291.49	-1.30e-04	0.0	301.2	4341.74	-729.22	51.09	572.81	445.38	3195.96
162	5	6211.24	515.98	-0.01	-142.69	0.0	5327.93	-789.69	46.97	568.42	374.52	6211.24
		3617.79	374.52	-2.26e-04	0.0	301.2	5327.93	-932.38	46.97	568.42	515.98	3617.79
162	6	5131.37	491.10	-9.79e-03	-142.69	0.0	4311.86	-569.64	48.85	520.25	343.95	5131.37
		3200.73	343.95	-3.36e-04	0.0	301.2	4311.86	-712.33	48.85	520.25	491.10	3200.73
162	7	5021.05	471.62	-9.62e-03	-142.69	0.0	4241.47	-562.06	51.92	534.68	315.24	5021.05
		3113.24	315.24	-3.22e-04	0.0	301.2	4241.47	-704.75	51.92	534.68	471.62	3113.24
162	8	3977.24	361.41	-7.63e-03	-105.70	0.0	3372.81	-453.13	42.26	437.38	234.12	3977.24
		2453.25	234.12	-2.70e-04	0.0	301.2	3372.81	-558.82	42.26	437.38	361.41	2453.25
162	9	3627.35	351.62	-6.94e-03	-105.70	0.0	3067.32	-401.64	36.31	371.31	242.25	3627.35
		2258.45	242.25	-2.43e-04	0.0	301.2	3067.32	-507.33	36.31	371.31	351.62	2258.45
162	10	3646.25	331.64	-7.00e-03	-105.70	0.0	3096.73	-410.93	38.63	399.47	215.29	3646.25
		2249.36	215.29	-2.44e-04	0.0	301.2	3096.73	-516.62	38.63	399.47	331.64	2249.36
162	11	3630.91	344.31	-6.94e-03	-105.70	0.0	3059.51	-402.31	35.32	373.44	237.92	3630.91
		2259.97	237.92	-2.36e-04	0.0	301.2	3059.51	-508.01	35.32	373.44	344.31	2259.97
163	1	4232.40	505.68	-0.01	-142.69	0.0	2885.51	-830.79	0.47	348.23	504.27	4232.40
		1515.15	504.27	-2.81e-04	0.0	301.2	2885.51	-973.48	0.47	348.23	505.68	1515.15
163	2	4268.18	499.65	-0.01	-142.69	0.0	2936.24	-844.85	3.06	368.96	490.42	4268.18
		1508.60	490.42	-2.85e-04	0.0	301.2	2936.24	-987.54	3.06	368.96	499.65	1508.60
163	3	4246.87	492.83	-0.01	-142.69	0.0	2910.88	-848.33	8.15	411.08	468.29	4246.87
		1476.79	468.29	-2.88e-04	0.0	301.2	2910.88	-991.02	8.15	411.08	492.83	1476.79
163	4	4261.79	445.38	-0.01	-142.69	0.0	2877.93	-850.81	-7.08	430.97	445.38	4261.79
		1484.26	424.04	-7.15e-05	0.0	301.2	2877.93	-993.50	-7.08	430.97	424.04	1484.26
163	5	4967.59	515.98	-0.02	-142.69	0.0	3454.99	-1039.09	-13.04	398.72	515.98	4967.59
		1622.97	476.69	-1.59e-04	0.0	301.2	3454.99	-1181.78	-13.04	398.72	476.69	1622.97
163	6	4238.25	491.10	-0.01	-142.69	0.0	2870.39	-832.41	-6.31	359.09	491.10	4238.25
		1516.14	472.11	-2.70e-04	0.0	301.2	2870.39	-975.10	-6.31	359.09	472.11	1516.14
163	7	4137.91	484.24	-0.01	-142.69	0.0	2823.42	-818.10	4.19	377.85	471.62	4137.91
		1458.90	471.62	-2.60e-04	0.0	301.2	2823.42	-960.79	4.19	377.85	484.24	1458.90
163	8	3274.29	380.56	-9.76e-03	-105.70	0.0	2241.73	-655.92	6.36	317.13	361.41	3274.29
		1139.48	361.41	-2.23e-04	0.0	301.2	2241.73	-761.61	6.36	317.13	380.56	1139.48
163	9	2993.62	355.14	-8.89e-03	-105.70	0.0	2045.15	-587.30	1.17	253.89	351.62	2993.62
		1065.48	351.62	-1.97e-04	0.0	301.2	2045.15	-693.00	1.17	253.89	355.14	1065.48
163	10	3001.66	348.00	-8.95e-03	-105.70	0.0	2059.24	-597.05	5.43	288.81	331.64	3001.66
		1044.17	331.64	-2.01e-04	0.0	301.2	2059.24	-702.74	5.43	288.81	348.00	1044.17
163	11	2996.87	344.31	-8.89e-03	-105.70	0.0	2036.74	-588.20	-2.60	259.93	344.31	2996.87
		1066.03	336.49	-1.91e-04	0.0	301.2	2036.74	-693.90	-2.60	259.93	336.49	1066.03
164	1	2944.85	505.68	-0.01	-142.69	0.0	947.84	-1137.59	-110.92	223.64	505.68	2944.85
		-696.45	171.59	-1.86e-04	0.0	301.2	947.84	-1280.28	-110.92	223.64	171.59	-696.45
164	2	2965.81	499.65	-0.01	-142.69	0.0	961.44	-1159.55	-106.10	244.56	499.65	2965.81

164	3	-741.64	180.06	-1.92e-04	0.0	301.2	961.44	-1302.24	-106.10	244.56	180.06	-741.64
		2935.42	492.83	-0.01	-142.69	0.0	939.74	-1155.68	-98.26	288.45	492.83	2935.42
		-760.38	196.86	-1.96e-04	0.0	301.2	939.74	-1298.37	-98.26	288.45	196.86	-760.38
164	4	2911.02	424.04	-0.01	-142.69	0.0	953.13	-1157.00	-79.41	293.43	424.04	2911.02
		-788.75	184.86	-2.73e-05	0.0	301.2	953.13	-1299.69	-79.41	293.43	184.86	-788.75
164	5	3323.82	476.69	-0.02	-142.69	0.0	1141.63	-1348.13	-99.19	246.26	476.69	3323.82
		-951.64	177.94	-9.95e-05	0.0	301.2	1141.63	-1490.82	-99.19	246.26	177.94	-951.64
164	6	2935.67	472.11	-0.01	-142.69	0.0	949.87	-1138.47	-100.92	228.49	472.11	2935.67
		-708.28	168.14	-1.94e-04	0.0	301.2	949.87	-1281.16	-100.92	228.49	168.14	-708.28
164	7	2866.70	484.24	-0.01	-142.69	0.0	919.43	-1117.19	-100.04	256.70	484.24	2866.70
		-713.16	182.93	-1.71e-04	0.0	301.2	919.43	-1259.88	-100.04	256.70	182.93	-713.16
164	8	2263.67	380.56	-0.01	-105.70	0.0	722.69	-892.87	-75.95	222.78	380.56	2263.67
		-584.83	151.79	-1.52e-04	0.0	301.2	722.69	-998.56	-75.95	222.78	151.79	-584.83
164	9	2079.90	355.14	-0.01	-105.70	0.0	670.91	-804.21	-76.58	165.82	355.14	2079.90
		-501.56	124.49	-1.31e-04	0.0	301.2	670.91	-909.91	-76.58	165.82	124.49	-501.56
164	10	2074.66	348.00	-0.01	-105.70	0.0	666.40	-814.26	-69.54	201.83	348.00	2074.66
		-537.08	138.53	-1.36e-04	0.0	301.2	666.40	-919.96	-69.54	201.83	138.53	-537.08
164	11	2074.80	336.49	-0.01	-105.70	0.0	672.03	-804.70	-71.02	168.52	336.49	2074.80
		-508.14	122.57	-1.35e-04	0.0	301.2	672.03	-910.40	-71.02	168.52	122.57	-508.14
165	1	4458.26	-510.44	-0.02	-149.80	0.0	3181.69	1016.64	-7.63	417.27	-510.44	1480.46
		1480.46	-534.56	4.91e-04	0.0	316.2	3181.69	866.85	-7.63	417.27	-534.56	4458.26
165	2	4986.20	-560.77	-0.02	-149.80	0.0	3538.65	1173.53	-0.16	636.57	-560.77	1512.32
		1512.32	-561.28	4.73e-04	0.0	316.2	3538.65	1023.74	-0.16	636.57	-561.28	4986.20
165	3	4564.14	-517.15	-0.02	-149.80	0.0	3260.61	1040.54	-10.24	420.52	-517.15	1510.79
		1510.79	-549.54	4.92e-04	0.0	316.2	3260.61	890.74	-10.24	420.52	-549.54	4564.14
165	4	4543.74	-490.97	-0.02	-149.80	0.0	3310.78	1042.03	-8.16	424.45	-490.97	1485.67
		1485.67	-516.77	1.29e-04	0.0	316.2	3310.78	892.23	-8.16	424.45	-516.77	4543.74
165	5	4475.63	-487.72	-0.02	-149.80	0.0	3245.71	1029.11	-6.23	436.34	-487.72	1458.42
		1458.42	-507.40	1.39e-04	0.0	316.2	3245.71	879.31	-6.23	436.34	-507.40	4475.63
165	6	4441.38	-488.08	-0.02	-149.80	0.0	3219.44	1017.85	-7.51	421.59	-488.08	1459.77
		1459.77	-511.82	1.50e-04	0.0	316.2	3219.44	868.05	-7.51	421.59	-511.82	4441.38
165	7	4415.55	-486.10	-0.01	-149.80	0.0	3207.98	1010.10	-9.62	398.03	-486.10	1458.43
		1458.43	-516.53	1.43e-04	0.0	316.2	3207.98	860.31	-9.62	398.03	-516.53	4415.55
165	8	3519.03	-400.06	-0.01	-110.96	0.0	2507.46	799.69	-7.94	325.22	-400.06	1165.83
		1165.83	-425.17	4.09e-04	0.0	316.2	2507.46	688.73	-7.94	325.22	-425.17	3519.03
165	9	3164.79	-359.14	-0.01	-110.96	0.0	2269.78	724.64	-5.71	293.57	-359.14	1048.89
		1048.89	-377.19	2.94e-04	0.0	316.2	2269.78	613.68	-5.71	293.57	-377.19	3164.79
165	10	3223.61	-385.51	-0.01	-110.96	0.0	2313.63	737.92	-7.16	295.37	-385.51	1065.74
		1065.74	-385.51	2.94e-04	0.0	316.2	2313.63	626.96	-7.16	295.37	-385.51	3223.61
165	11	3155.41	-346.72	-0.01	-110.96	0.0	2290.75	725.31	-5.64	295.97	-346.72	1037.40
		1037.40	-364.55	1.04e-04	0.0	316.2	2290.75	614.35	-5.64	295.97	-364.55	3155.41
166	1	5486.49	-412.04	-0.01	-149.80	0.0	4720.32	753.62	38.75	585.26	-534.56	3340.38
		3340.38	-534.56	5.89e-04	0.0	316.2	4720.32	603.82	38.75	585.26	-412.04	5486.49
166	2	6299.17	-414.59	-0.01	-149.80	0.0	5376.81	919.25	46.39	814.24	-561.28	3629.32
		3629.32	-561.28	5.75e-04	0.0	316.2	5376.81	769.46	46.39	814.24	-414.59	6299.17
166	3	5608.07	-430.04	-0.01	-149.80	0.0	4847.26	770.16	37.79	589.73	-549.54	3409.65
		3409.65	-549.54	5.96e-04	0.0	316.2	4847.26	620.36	37.79	589.73	-430.04	5608.07
166	4	5603.96	-414.11	-0.01	-149.80	0.0	4869.94	769.24	32.47	594.20	-516.77	3408.45
		3408.45	-516.77	2.17e-04	0.0	316.2	4869.94	619.44	32.47	594.20	-414.11	5603.96
166	5	5531.72	-399.68	-0.01	-149.80	0.0	4781.85	763.12	34.07	603.15	-507.40	3355.56
		3355.56	-507.40	2.25e-04	0.0	316.2	4781.85	613.32	34.07	603.15	-399.68	5531.72
166	6	5481.04	-403.76	-0.01	-149.80	0.0	4737.70	752.74	34.17	589.29	-511.82	3337.69
		3337.69	-511.82	2.37e-04	0.0	316.2	4737.70	602.95	34.17	589.29	-403.76	5481.04
166	7	5442.20	-415.14	-0.01	-149.80	0.0	4715.53	745.60	32.06	567.28	-516.53	3321.44
		3321.44	-516.53	2.32e-04	0.0	316.2	4715.53	595.80	32.06	567.28	-415.14	5442.20
166	8	4322.44	-331.55	-9.29e-03	-110.96	0.0	3732.47	591.58	29.61	455.19	-425.17	2627.29
		2627.29	-425.17	4.91e-04	0.0	316.2	3732.47	480.62	29.61	455.19	-331.55	4322.44
166	9	3896.12	-293.66	-8.39e-03	-110.96	0.0	3360.10	537.18	26.42	413.30	-377.19	2372.98
		2372.98	-377.19	3.62e-04	0.0	316.2	3360.10	426.22	26.42	413.30	-293.66	3896.12
166	10	3963.66	-303.66	-8.52e-03	-110.96	0.0	3430.62	546.37	25.88	415.79	-385.51	2411.46
		2411.46	-385.51	3.66e-04	0.0	316.2	3430.62	435.41	25.88	415.79	-303.66	3963.66
166	11	3893.09	-289.06	-8.39e-03	-110.96	0.0	3369.76	536.70	23.87	415.55	-364.55	2371.48
		2371.48	-364.55	1.66e-04	0.0	316.2	3369.76	425.74	23.87	415.55	-289.06	3893.09
167	1	6073.95	-258.47	-7.59e-03	-149.80	0.0	5717.02	489.34	48.57	719.04	-412.04	4763.48
		4763.48	-412.04	6.67e-04	0.0	316.2	5717.02	339.54	48.57	719.04	-258.47	6073.95
167	2	7172.51	-214.12	-9.10e-03	-149.80	0.0	6676.26	659.72	63.40	937.73	-414.59	5323.31
		5323.31	-414.59	6.64e-04	0.0	316.2	6676.26	509.92	63.40	937.73	-214.12	7172.51
167	3	6198.64	-278.51	-7.74e-03	-149.80	0.0	5878.58	499.02	47.92	725.69	-430.04	4857.56
		4857.56	-430.04	6.82e-04	0.0	316.2	5878.58	349.23	47.92	725.69	-278.51	6198.64
167	4	6200.16	-271.00	-7.75e-03	-149.80	0.0	5887.09	497.68	45.26	725.91	-414.11	4863.32
		4863.32	-414.11	2.98e-04	0.0	316.2	5887.09	347.88	45.26	725.91	-271.00	6200.16
167	5	6129.92	-252.65	-7.68e-03	-149.80	0.0	5786.47	496.14	46.50	730.58	-399.68	4797.97

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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167	6	4797.97	-399.68	3.03e-04	0.0	316.2	5786.47	346.34	46.50	730.58	-252.65	6129.92
		6070.69	-255.36	-7.60e-03	-149.80	0.0	5725.81	488.14	46.93	719.76	-403.76	4764.04
		4764.04	-403.76	3.14e-04	0.0	316.2	5725.81	338.34	46.93	719.76	-255.36	6070.69
167	7	6020.22	-272.88	-7.52e-03	-149.80	0.0	5696.28	482.06	44.99	701.25	-415.14	4732.76
		4732.76	-415.14	3.11e-04	0.0	316.2	5696.28	332.27	44.99	701.25	-272.88	6020.22
167	8	4777.26	-213.93	-5.96e-03	-110.96	0.0	4528.60	382.71	37.20	559.83	-331.55	3742.57
		3742.57	-331.55	5.57e-04	0.0	316.2	4528.60	271.75	37.20	559.83	-213.93	4777.26
167	9	4312.53	-186.63	-5.39e-03	-110.96	0.0	4067.12	349.22	33.85	508.48	-293.66	3383.73
		3383.73	-293.66	4.18e-04	0.0	316.2	4067.12	238.26	33.85	508.48	-186.63	4312.53
167	10	4381.81	-197.77	-5.47e-03	-110.96	0.0	4156.87	354.60	33.49	512.18	-303.66	3435.99
		3435.99	-303.66	4.26e-04	0.0	316.2	4156.87	243.64	33.49	512.18	-197.77	4381.81
167	11	4310.73	-184.90	-5.40e-03	-110.96	0.0	4072.00	348.55	32.94	508.88	-289.06	3384.04
		3384.04	-289.06	2.21e-04	0.0	316.2	4072.00	237.59	32.94	508.88	-184.90	4310.73
168	1	6187.88	-98.70	-2.72e-03	-149.80	0.0	6185.20	218.42	50.53	796.23	-258.47	5734.05
		5734.05	-258.47	7.25e-04	0.0	316.2	6185.20	68.63	50.53	796.23	-98.70	6187.88
168	2	7571.96	52.00	-3.41e-03	-149.80	0.0	7435.61	389.70	84.16	977.14	-214.12	6576.57
		6576.57	-214.12	7.32e-04	0.0	316.2	7435.61	239.90	84.16	977.14	52.00	7571.96
168	3	6306.62	-121.13	-2.77e-03	-149.80	0.0	6366.07	221.68	49.77	806.13	-278.51	5842.50
		5842.50	-278.51	7.47e-04	0.0	316.2	6366.07	71.88	49.77	806.13	-121.13	6306.62
168	4	6309.97	-118.27	-2.78e-03	-149.80	0.0	6365.69	220.24	48.30	804.55	-271.00	5850.41
		5850.41	-271.00	3.60e-04	0.0	316.2	6365.69	70.44	48.30	804.55	-118.27	6309.97
168	5	6245.79	-97.52	-2.76e-03	-149.80	0.0	6260.76	222.08	49.06	803.61	-252.65	5780.39
		5780.39	-252.65	3.61e-04	0.0	316.2	6260.76	72.29	49.06	803.61	-97.52	6245.79
168	6	6184.80	-98.48	-2.73e-03	-149.80	0.0	6188.23	217.15	49.61	796.25	-255.36	5735.00
		5735.00	-255.36	3.70e-04	0.0	316.2	6188.23	67.36	49.61	796.25	-98.48	6184.80
168	7	6126.04	-120.72	-2.68e-03	-149.80	0.0	6154.44	212.69	48.12	783.17	-272.88	5690.33
		5690.33	-272.88	3.70e-04	0.0	316.2	6154.44	62.90	48.12	783.17	-120.72	6126.04
168	8	4860.49	-92.08	-2.14e-03	-110.96	0.0	4905.28	169.02	38.53	621.46	-213.93	4501.47
		4501.47	-213.93	6.07e-04	0.0	316.2	4905.28	58.06	38.53	621.46	-92.08	4860.49
168	9	4392.23	-74.69	-1.93e-03	-110.96	0.0	4398.93	156.67	35.40	564.17	-186.63	4072.27
		4072.27	-186.63	4.59e-04	0.0	316.2	4398.93	45.71	35.40	564.17	-74.69	4392.23
168	10	4458.19	-87.15	-1.96e-03	-110.96	0.0	4499.41	158.48	34.98	569.67	-197.77	4132.52
		4132.52	-197.77	4.72e-04	0.0	316.2	4499.41	47.52	34.98	569.67	-87.15	4458.19
168	11	4390.52	-74.57	-1.93e-03	-110.96	0.0	4400.62	155.96	34.89	564.18	-184.90	4072.79
		4072.79	-184.90	2.62e-04	0.0	316.2	4400.62	45.00	34.89	564.18	-74.57	4390.52
169	1	6215.17	84.79	-2.41e-03	-149.80	0.0	6147.11	-55.71	58.03	809.23	-98.70	6215.17
		5802.19	-98.70	7.62e-04	0.0	316.2	6147.11	-205.50	58.03	809.23	84.79	5802.19
169	2	7549.77	244.30	-2.75e-03	-149.80	0.0	7444.91	-136.71	60.82	917.00	52.00	7549.77
		6880.65	52.00	7.73e-04	0.0	316.2	7444.91	-286.51	60.82	917.00	244.30	6880.65
169	3	6328.64	61.23	-2.45e-03	-149.80	0.0	6332.86	-58.51	57.67	823.07	-121.13	6328.64
		5906.82	-121.13	7.92e-04	0.0	316.2	6332.86	-208.30	57.67	823.07	61.23	5906.82
169	4	6337.99	62.63	-2.44e-03	-149.80	0.0	6324.62	-59.99	57.21	820.60	-118.27	6337.99
		5911.46	-118.27	4.05e-04	0.0	316.2	6324.62	-209.79	57.21	820.60	62.63	5911.46
169	5	6268.46	84.01	-2.41e-03	-149.80	0.0	6222.33	-55.36	57.41	813.05	-97.52	6268.46
		5856.57	-97.52	4.02e-04	0.0	316.2	6222.33	-205.16	57.41	813.05	84.01	5856.57
169	6	6216.43	84.30	-2.40e-03	-149.80	0.0	6144.52	-56.95	57.80	809.16	-98.48	6216.43
		5799.53	-98.48	4.07e-04	0.0	316.2	6144.52	-206.74	57.80	809.16	84.30	5799.53
169	7	6161.94	58.90	-2.39e-03	-149.80	0.0	6109.11	-59.35	56.81	803.22	-120.72	6161.94
		5737.46	-120.72	4.12e-04	0.0	316.2	6109.11	-209.14	56.81	803.22	58.90	5737.46
169	8	4876.11	48.69	-1.88e-03	-110.96	0.0	4880.66	-46.84	44.52	634.08	-92.08	4876.11
		4552.58	-92.08	6.42e-04	0.0	316.2	4880.66	-157.80	44.52	634.08	48.69	4552.58
169	9	4413.13	54.76	-1.71e-03	-110.96	0.0	4370.85	-38.10	40.94	574.65	-74.69	4413.13
		4117.21	-74.69	4.87e-04	0.0	316.2	4370.85	-149.06	40.94	574.65	54.76	4117.21
169	10	4476.17	41.67	-1.73e-03	-110.96	0.0	4474.04	-39.66	40.74	582.33	-87.15	4476.17
		4175.34	-87.15	5.04e-04	0.0	316.2	4474.04	-150.62	40.74	582.33	41.67	4175.34
169	11	4413.83	54.49	-1.70e-03	-110.96	0.0	4369.40	-38.79	40.81	574.61	-74.57	4413.83
		4115.73	-74.57	2.90e-04	0.0	316.2	4369.40	-149.75	40.81	574.61	54.49	4115.73
170	1	6187.89	290.33	-7.36e-03	-149.80	0.0	5611.20	-328.48	65.00	755.85	84.79	6187.89
		4912.40	84.79	7.71e-04	0.0	316.2	5611.20	-478.28	65.00	755.85	290.33	4912.40
170	2	7382.72	432.15	-8.64e-03	-149.80	0.0	6690.85	-433.85	59.41	787.01	244.30	7382.72
		5774.07	244.30	7.79e-04	0.0	316.2	6690.85	-583.64	59.41	787.01	432.15	5774.07
170	3	6298.08	267.61	-7.48e-03	-149.80	0.0	5787.68	-337.54	65.27	774.05	61.23	6298.08
		4993.94	61.23	8.08e-04	0.0	316.2	5787.68	-487.34	65.27	774.05	267.61	4993.94
170	4	6309.24	271.65	-7.49e-03	-149.80	0.0	5771.22	-338.80	66.10	770.82	62.63	6309.24
		5001.12	62.63	4.21e-04	0.0	316.2	5771.22	-488.60	66.10	770.82	271.65	5001.12
170	5	6244.10	291.30	-7.40e-03	-149.80	0.0	5678.03	-331.47	65.56	756.36	84.01	6244.10
		4959.18	84.01	4.13e-04	0.0	316.2	5678.03	-481.26	65.56	756.36	291.30	4959.18
170	6	6190.01	291.91	-7.35e-03	-149.80	0.0	5602.56	-329.51	65.66	755.78	84.30	6190.01
		4911.27	84.30	4.16e-04	0.0	316.2	5602.56	-479.31	65.66	755.78	291.91	4911.27
170	7	6130.32	265.74	-7.29e-03	-149.80	0.0	5568.34	-329.56	65.41	757.95	58.90	6130.32
		4851.42	58.90	4.25e-04	0.0	316.2	5568.34	-479.36	65.41	757.95	265.74	4851.42
170	8	4852.64	207.51	-5.76e-03	-110.96	0.0	4461.61	-261.84	50.23	595.87	48.69	4852.64

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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170	9	3849.28	48.69	6.54e-04	0.0	316.2	4461.61	-372.80	50.23	595.87	207.51	3849.28
		4393.13	200.85	-5.22e-03	-110.96	0.0	3988.68	-231.88	46.20	538.18	54.76	4393.13
		3484.49	54.76	4.94e-04	0.0	316.2	3988.68	-342.84	46.20	538.18	200.85	3484.49
170	10	4454.35	188.23	-5.29e-03	-110.96	0.0	4086.72	-236.92	46.35	548.29	41.67	4454.35
		3529.79	41.67	5.15e-04	0.0	316.2	4086.72	-347.88	46.35	548.29	188.23	3529.79
170	11	4394.31	201.73	-5.22e-03	-110.96	0.0	3983.88	-232.45	46.57	538.14	54.49	4394.31
		3483.86	54.49	2.97e-04	0.0	316.2	3983.88	-343.41	46.57	538.14	201.73	3483.86
171	1	5645.44	461.39	-0.01	-149.80	0.0	4586.81	-595.85	54.10	637.27	290.33	5645.44
		3524.54	290.33	7.42e-04	0.0	316.2	4586.81	-745.64	54.10	637.27	461.39	3524.54
171	2	6653.00	556.73	-0.01	-149.80	0.0	5416.65	-729.30	39.40	602.29	432.15	6653.00
		4110.11	432.15	7.46e-04	0.0	316.2	5416.65	-879.10	39.40	602.29	556.73	4110.11
171	3	5744.52	440.22	-0.01	-149.80	0.0	4738.30	-612.52	54.59	660.00	267.61	5744.52
		3570.90	267.61	7.87e-04	0.0	316.2	4738.30	-762.32	54.59	660.00	440.22	3570.90
171	4	5758.41	452.97	-0.01	-149.80	0.0	4713.21	-612.64	57.34	655.07	271.65	5758.41
		3584.42	271.65	3.98e-04	0.0	316.2	4713.21	-762.43	57.34	655.07	452.97	3584.42
171	5	5700.91	468.16	-0.01	-149.80	0.0	4636.60	-601.99	55.93	634.21	291.30	5700.91
		3560.61	291.30	3.88e-04	0.0	316.2	4636.60	-751.78	55.93	634.21	468.16	3560.61
171	6	5649.12	468.26	-0.01	-149.80	0.0	4571.87	-596.22	55.77	636.73	291.91	5649.12
		3527.03	291.91	3.86e-04	0.0	316.2	4571.87	-746.02	55.77	636.73	468.26	3527.03
171	7	5589.48	444.97	-0.01	-149.80	0.0	4541.58	-593.83	56.68	647.12	265.74	5589.48
		3474.98	265.74	4.01e-04	0.0	316.2	4541.58	-743.62	56.68	647.12	444.97	3474.98
171	8	4426.23	339.51	-9.17e-03	-110.96	0.0	3654.08	-473.84	41.75	507.67	207.51	4426.23
		2752.52	207.51	6.38e-04	0.0	316.2	3654.08	-584.80	41.75	507.67	339.51	2752.52
171	9	4007.54	323.86	-8.31e-03	-110.96	0.0	3258.96	-421.76	38.90	455.36	200.85	4007.54
		2498.49	200.85	4.75e-04	0.0	316.2	3258.96	-532.72	38.90	455.36	323.86	2498.49
171	10	4062.58	312.10	-8.42e-03	-110.96	0.0	3343.12	-431.03	39.17	467.99	188.23	4062.58
		2524.25	188.23	5.00e-04	0.0	316.2	3343.12	-541.99	39.17	467.99	312.10	2524.25
171	11	4009.58	327.67	-8.31e-03	-110.96	0.0	3250.65	-421.97	39.83	455.06	201.73	4009.58
		2499.88	201.73	2.78e-04	0.0	316.2	3250.65	-532.93	39.83	455.06	327.67	2499.88
172	1	4596.69	510.90	-0.02	-149.80	0.0	3089.45	-866.29	15.66	461.68	461.39	4596.69
		1620.66	461.39	6.89e-04	0.0	316.2	3089.45	-1016.09	15.66	461.68	510.90	1620.66
172	2	5371.20	574.80	-0.02	-149.80	0.0	3630.78	-1024.19	5.71	371.61	556.73	5371.20
		1895.88	556.73	6.98e-04	0.0	316.2	3630.78	-1173.99	5.71	371.61	574.80	1895.88
172	3	4674.82	485.20	-0.02	-149.80	0.0	3197.53	-893.63	14.23	490.16	440.22	4674.82
		1612.33	440.22	7.40e-04	0.0	316.2	3197.53	-1043.43	14.23	490.16	485.20	1612.33
172	4	4694.23	526.60	-0.02	-149.80	0.0	3163.60	-891.03	23.29	478.11	452.97	4694.23
		1639.98	452.97	3.50e-04	0.0	316.2	3163.60	-1040.82	23.29	478.11	526.60	1639.98
172	5	4648.14	533.27	-0.02	-149.80	0.0	3113.64	-875.38	20.59	452.66	468.16	4648.14
		1643.36	468.16	3.36e-04	0.0	316.2	3113.64	-1025.18	20.59	452.66	533.27	1643.36
172	6	4603.08	532.58	-0.02	-149.80	0.0	3068.59	-865.46	20.34	457.95	468.26	4603.08
		1629.67	468.26	3.32e-04	0.0	316.2	3068.59	-1015.25	20.34	457.95	532.58	1629.67
172	7	4548.67	517.64	-0.01	-149.80	0.0	3044.85	-860.49	22.98	475.42	444.97	4548.67
		1590.96	444.97	3.51e-04	0.0	316.2	3044.85	-1010.29	22.98	475.42	517.64	1590.96
172	8	3602.09	371.01	-0.01	-110.96	0.0	2467.70	-690.91	9.96	377.07	339.51	3602.09
		1242.02	339.51	6.01e-04	0.0	316.2	2467.70	-801.87	9.96	377.07	371.01	1242.02
172	9	3262.60	363.43	-0.01	-110.96	0.0	2192.74	-613.69	12.51	331.36	323.86	3262.60
		1146.67	323.86	4.39e-04	0.0	316.2	2192.74	-724.65	12.51	331.36	363.43	1146.67
172	10	3306.00	349.15	-0.01	-110.96	0.0	2252.79	-628.88	11.72	347.18	312.10	3306.00
		1142.04	312.10	4.67e-04	0.0	316.2	2252.79	-739.84	11.72	347.18	349.15	1142.04
172	11	3266.14	375.47	-0.01	-110.96	0.0	2181.15	-613.23	15.12	329.28	327.67	3266.14
		1151.67	327.67	2.40e-04	0.0	316.2	2181.15	-724.19	15.12	329.28	375.47	1151.67
173	1	3142.73	510.90	-0.02	-149.80	0.0	1025.28	-1181.21	-79.58	308.55	510.90	3142.73
		-829.08	259.27	-6.02e-04	0.0	316.2	1025.28	-1331.01	-79.58	308.55	259.27	-829.08
173	2	3665.83	574.80	-0.02	-149.80	0.0	1221.55	-1366.97	-108.83	201.18	574.80	3665.83
		-893.36	230.67	-6.00e-04	0.0	316.2	1221.55	-1516.77	-108.83	201.18	230.67	-893.36
173	3	3181.21	485.20	-0.02	-149.80	0.0	1071.03	-1224.03	-82.60	342.74	485.20	3181.21
		-926.00	224.01	-6.61e-04	0.0	316.2	1071.03	-1373.82	-82.60	342.74	224.01	-926.00
173	4	3214.36	526.60	-0.02	-149.80	0.0	1026.87	-1217.62	-83.45	331.41	526.60	3214.36
		-872.59	262.73	-2.51e-04	0.0	316.2	1026.87	-1367.42	-83.45	331.41	262.73	-872.59
173	5	3186.80	533.27	-0.02	-149.80	0.0	1017.26	-1193.93	-88.94	305.96	533.27	3186.80
		-825.25	252.03	-2.35e-04	0.0	316.2	1017.26	-1343.73	-88.94	305.96	252.03	-825.25
173	6	3153.50	532.58	-0.02	-149.80	0.0	1001.19	-1179.57	-88.46	313.13	532.58	3153.50
		-813.13	252.89	-2.28e-04	0.0	316.2	1001.19	-1329.36	-88.46	313.13	252.89	-813.13
173	7	3108.03	517.64	-0.02	-149.80	0.0	987.28	-1171.31	-81.39	332.40	517.64	3108.03
		-832.48	260.28	-2.53e-04	0.0	316.2	987.28	-1321.11	-81.39	332.40	260.28	-832.48
173	8	2450.66	371.01	-0.01	-110.96	0.0	829.42	-946.47	-63.92	263.32	371.01	2450.66
		-717.49	168.91	-5.42e-04	0.0	316.2	829.42	-1057.43	-63.92	263.32	168.91	-717.49
173	9	2229.77	363.43	-0.01	-110.96	0.0	724.03	-837.00	-56.50	224.09	363.43	2229.77
		-592.24	184.78	-3.75e-04	0.0	316.2	724.03	-947.96	-56.50	224.09	184.78	-592.24
173	10	2251.14	349.15	-0.01	-110.96	0.0	749.44	-860.79	-58.18	243.09	349.15	2251.14
		-646.09	165.18	-4.08e-04	0.0	316.2	749.44	-971.75	-58.18	243.09	165.18	-646.09
173	11	2235.75	375.47	-0.01	-110.96	0.0	710.64	-836.09	-61.43	226.64	375.47	2235.75

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174	1	-583.38	181.23	-1.68e-04	0.0	316.2	710.64	-947.05	-61.43	226.64	181.23	-583.38
		4035.63	-460.14	-0.01	-142.69	0.0	2888.05	965.08	-11.31	377.91	-460.14	1343.70
		1343.70	-494.20	-1.45e-04	0.0	301.2	2888.05	822.39	-11.31	377.91	-494.20	4035.63
174	2	4066.96	-453.95	-0.01	-142.69	0.0	2911.76	976.19	-10.58	393.14	-453.95	1341.58
		1341.58	-485.82	-1.37e-04	0.0	301.2	2911.76	833.50	-10.58	393.14	-485.82	4066.96
174	3	4132.16	-453.90	-0.01	-142.69	0.0	2969.92	989.54	-12.99	383.91	-453.90	1366.54
		1366.54	-493.01	-1.18e-04	0.0	301.2	2969.92	846.85	-12.99	383.91	-493.01	4132.16
174	4	4144.99	-429.67	-0.01	-142.69	0.0	2949.49	986.41	-18.83	381.48	-429.67	1388.83
		1388.83	-486.37	-1.08e-04	0.0	301.2	2949.49	843.72	-18.83	381.48	-486.37	4144.99
174	5	4532.79	-504.27	-0.01	-142.69	0.0	3225.81	1120.95	-2.29	591.08	-504.27	1371.37
		1371.37	-511.17	3.03e-05	0.0	301.2	3225.81	978.26	-2.29	591.08	-511.17	4532.79
174	6	4035.27	-472.50	-0.01	-142.69	0.0	2881.95	963.92	-10.50	376.13	-472.50	1346.84
		1346.84	-504.12	-1.20e-04	0.0	301.2	2881.95	821.23	-10.50	376.13	-504.12	4035.27
174	7	4014.51	-464.39	-0.01	-142.69	0.0	2875.58	958.05	-12.69	357.16	-464.39	1343.75
		1343.75	-502.62	-9.60e-05	0.0	301.2	2875.58	815.36	-12.69	357.16	-502.62	4014.51
174	8	3184.43	-348.37	-9.61e-03	-105.70	0.0	2287.51	760.65	-10.02	297.30	-348.37	1052.53
		1052.53	-378.53	-9.43e-05	0.0	301.2	2287.51	654.95	-10.02	297.30	-378.53	3184.43
174	9	2867.69	-327.37	-8.68e-03	-105.70	0.0	2054.87	687.84	-8.25	265.50	-327.37	955.10
		955.10	-352.22	-9.37e-05	0.0	301.2	2054.87	582.14	-8.25	265.50	-352.22	2867.69
174	10	2921.32	-323.90	-8.82e-03	-105.70	0.0	2100.35	701.43	-9.18	268.83	-323.90	967.79
		967.79	-351.56	-7.91e-05	0.0	301.2	2100.35	595.73	-9.18	268.83	-351.56	2921.32
174	11	2867.49	-334.24	-8.69e-03	-105.70	0.0	2051.47	687.19	-7.80	264.51	-334.24	956.84
		956.84	-357.73	-8.02e-05	0.0	301.2	2051.47	581.50	-7.80	264.51	-357.73	2867.49
175	1	4969.17	-395.15	-9.60e-03	-142.69	0.0	4271.73	712.52	32.88	528.71	-395.15	3037.95
		3037.95	-494.20	-2.24e-04	0.0	301.2	4271.73	569.83	32.88	528.71	-494.20	4969.17
175	2	5016.27	-388.86	-9.68e-03	-142.69	0.0	4311.61	722.87	32.19	542.69	-388.86	3053.88
		3053.88	-485.82	-2.14e-04	0.0	301.2	4311.61	580.18	32.19	542.69	-485.82	5016.27
175	3	5085.81	-401.72	-9.79e-03	-142.69	0.0	4393.18	729.50	30.31	535.80	-401.72	3103.44
		3103.44	-493.01	-1.97e-04	0.0	301.2	4393.18	586.81	30.31	535.80	-493.01	5085.81
175	4	5095.63	-404.02	-9.81e-03	-142.69	0.0	4364.26	726.35	27.34	532.53	-404.02	3122.75
		3122.75	-486.37	-3.25e-05	0.0	301.2	4364.26	583.66	27.34	532.53	-486.37	5095.63
175	5	5741.36	-390.40	-0.01	-142.69	0.0	4885.50	877.17	40.10	751.57	-390.40	3314.20
		3314.20	-511.17	-7.74e-05	0.0	301.2	4885.50	734.48	40.10	751.57	-511.17	5741.36
175	6	4968.14	-401.63	-9.61e-03	-142.69	0.0	4263.99	711.57	34.03	528.26	-401.63	3039.80
		3039.80	-504.12	-2.03e-04	0.0	301.2	4263.99	568.88	34.03	528.26	-504.12	4968.14
175	7	4936.40	-407.45	-9.51e-03	-142.69	0.0	4251.59	706.16	31.60	509.85	-407.45	3024.34
		3024.34	-502.62	-1.78e-04	0.0	301.2	4251.59	563.47	31.60	509.85	-502.62	4936.40
175	8	3919.61	-308.27	-7.54e-03	-105.70	0.0	3384.38	560.32	23.33	413.90	-308.27	2391.11
		2391.11	-378.53	-1.54e-04	0.0	301.2	3384.38	454.62	23.33	413.90	-378.53	3919.61
175	9	3530.15	-282.87	-6.81e-03	-105.70	0.0	3038.58	508.13	23.02	373.10	-282.87	2158.85
		2158.85	-352.22	-1.50e-04	0.0	301.2	3038.58	402.43	23.02	373.10	-352.22	3530.15
175	10	3594.95	-286.52	-6.92e-03	-105.70	0.0	3106.05	517.56	21.59	377.03	-286.52	2195.23
		2195.23	-351.56	-1.35e-04	0.0	301.2	3106.05	411.87	21.59	377.03	-351.56	3594.95
175	11	3529.58	-286.47	-6.82e-03	-105.70	0.0	3034.28	507.60	23.66	372.85	-286.47	2159.88
		2159.88	-357.73	-1.39e-04	0.0	301.2	3034.28	401.90	23.66	372.85	-357.73	3529.58
176	1	5498.62	-251.19	-6.12e-03	-142.69	0.0	5170.08	461.40	47.79	648.85	-251.19	4323.79
		4323.79	-395.15	-2.93e-04	0.0	301.2	5170.08	318.71	47.79	648.85	-395.15	5498.62
176	2	5554.15	-246.84	-6.18e-03	-142.69	0.0	5225.62	469.58	47.15	659.50	-246.84	4354.67
		4354.67	-388.86	-2.83e-04	0.0	301.2	5225.62	326.89	47.15	659.50	-388.86	5554.15
176	3	5622.10	-263.79	-6.23e-03	-142.69	0.0	5320.73	471.62	45.79	656.32	-263.79	4416.48
		4416.48	-401.72	-2.68e-04	0.0	301.2	5320.73	328.93	45.79	656.32	-401.72	5622.10
176	4	5630.02	-270.44	-6.25e-03	-142.69	0.0	5283.60	468.76	44.35	653.81	-270.44	4433.00
		4433.00	-404.02	-3.93e-05	0.0	301.2	5283.60	326.07	44.35	653.81	-404.02	5630.02
176	5	6546.77	-202.77	-7.44e-03	-142.69	0.0	6062.42	630.77	62.29	860.69	-202.77	4861.78
		4861.78	-390.40	-1.53e-04	0.0	301.2	6062.42	488.08	62.29	860.69	-390.40	6546.77
176	6	5498.00	-256.63	-6.13e-03	-142.69	0.0	5158.47	460.32	48.14	649.91	-256.63	4326.40
		4326.40	-401.63	-2.74e-04	0.0	301.2	5158.47	317.63	48.14	649.91	-401.63	5498.00
176	7	5455.81	-268.14	-6.06e-03	-142.69	0.0	5144.21	455.95	46.25	633.51	-268.14	4297.37
		4297.37	-407.45	-2.49e-04	0.0	301.2	5144.21	313.26	46.25	633.51	-407.45	5455.81
176	8	4333.06	-201.96	-4.80e-03	-105.70	0.0	4099.47	361.63	35.30	506.29	-201.96	3403.00
		3403.00	-308.27	-2.09e-04	0.0	301.2	4099.47	255.94	35.30	506.29	-308.27	4333.06
176	9	3905.22	-181.69	-4.35e-03	-105.70	0.0	3677.24	329.53	33.59	459.05	-181.69	3071.84
		3071.84	-282.87	-2.00e-04	0.0	301.2	3677.24	223.84	33.59	459.05	-282.87	3905.22
176	10	3973.82	-188.69	-4.41e-03	-105.70	0.0	3760.94	335.21	32.48	463.19	-188.69	3123.34
		3123.34	-286.52	-1.86e-04	0.0	301.2	3760.94	229.52	32.48	463.19	-286.52	3973.82
176	11	3904.88	-184.71	-4.35e-03	-105.70	0.0	3670.79	328.94	33.78	459.63	-184.71	3073.30
		3073.30	-286.47	-1.89e-04	0.0	301.2	3670.79	223.24	33.78	459.63	-286.47	3904.88
177	1	5598.92	-93.55	-2.11e-03	-142.69	0.0	5591.02	205.01	52.34	719.36	-93.55	5196.31
		5196.31	-251.19	-3.44e-04	0.0	301.2	5591.02	62.32	52.34	719.36	-251.19	5598.92
177	2	5656.49	-90.99	-2.14e-03	-142.69	0.0	5658.22	210.26	51.74	726.40	-90.99	5238.07
		5238.07	-246.84	-3.36e-04	0.0	301.2	5658.22	67.57	51.74	726.40	-246.84	5656.49
177	3	5718.99	-110.38	-2.14e-03	-142.69	0.0	5758.82	208.87	50.93	728.18	-110.38	5304.77

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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177	4	5304.77	-263.79	-3.24e-04	0.0	301.2	5758.82	66.18	50.93	728.18	-110.38	5718.99
		5725.96	-119.28	-2.15e-03	-142.69	0.0	5712.59	205.98	50.18	727.37	-270.44	5320.43
		5320.43	-270.44	-9.63e-05	0.0	301.2	5712.59	63.29	50.18	727.37	-119.28	5725.96
177	5	6920.63	57.57	-2.73e-03	-142.69	0.0	6752.05	375.07	86.43	893.50	-202.77	6005.80
		6005.80	-202.77	-2.14e-04	0.0	301.2	6752.05	232.38	86.43	893.50	57.57	6920.63
177	6	5598.81	-99.01	-2.13e-03	-142.69	0.0	5574.27	203.68	52.33	721.51	-256.63	5200.22
		5200.22	-256.63	-3.27e-04	0.0	301.2	5574.27	60.99	52.33	721.51	-99.01	5598.81
177	7	5548.91	-114.54	-2.08e-03	-142.69	0.0	5561.61	200.91	51.00	708.93	-268.14	5158.66
		5158.66	-268.14	-3.04e-04	0.0	301.2	5561.61	58.22	51.00	708.93	-114.54	5548.91
177	8	4407.91	-83.62	-1.65e-03	-105.70	0.0	4437.49	159.19	39.29	561.18	-201.96	4087.59
		4087.59	-201.96	-2.52e-04	0.0	301.2	4437.49	53.50	39.29	561.18	-83.62	4407.91
177	9	3975.35	-70.70	-1.50e-03	-105.70	0.0	3976.46	147.27	36.85	509.99	-181.69	3690.94
		3690.94	-181.69	-2.37e-04	0.0	301.2	3976.46	41.58	36.85	509.99	-70.70	3975.35
177	10	4042.06	-80.05	-1.51e-03	-105.70	0.0	4069.68	149.42	36.07	514.88	-188.69	3751.20
		3751.20	-188.69	-2.26e-04	0.0	301.2	4069.68	43.72	36.07	514.88	-80.05	4042.06
177	11	3975.29	-73.74	-1.51e-03	-105.70	0.0	3967.16	146.53	36.84	511.18	-184.71	3693.11
		3693.11	-184.71	-2.27e-04	0.0	301.2	3967.16	40.84	36.84	511.18	-73.74	3975.29
178	1	5628.06	85.53	-2.09e-03	-142.69	0.0	5550.32	-53.74	59.45	731.28	-93.55	5628.06
		5251.29	-93.55	-3.76e-04	0.0	301.2	5550.32	-196.43	59.45	731.28	85.53	5251.29
178	2	5676.35	86.93	-2.11e-03	-142.69	0.0	5623.08	-51.78	59.07	734.64	-90.99	5676.35
		5305.51	-90.99	-3.70e-04	0.0	301.2	5623.08	-194.47	59.07	734.64	86.93	5305.51
178	3	5743.06	66.99	-2.15e-03	-142.69	0.0	5722.30	-56.02	58.89	742.26	-110.38	5743.06
		5359.44	-110.38	-3.62e-04	0.0	301.2	5722.30	-198.71	58.89	742.26	66.99	5359.44
178	4	5759.56	57.73	-2.16e-03	-142.69	0.0	5665.02	-59.26	58.77	743.43	-119.28	5759.56
		5366.18	-119.28	-1.36e-04	0.0	301.2	5665.02	-201.95	58.77	743.43	57.73	5366.18
178	5	6909.06	245.10	-2.38e-03	-142.69	0.0	6746.71	-135.65	62.26	835.44	57.57	6909.06
		6285.58	57.57	-2.49e-04	0.0	301.2	6746.71	-278.34	62.26	835.44	245.10	6285.58
178	6	5633.38	79.91	-2.08e-03	-142.69	0.0	5527.32	-55.39	59.40	734.43	-99.01	5633.38
		5251.65	-99.01	-3.61e-04	0.0	301.2	5527.32	-198.08	59.40	734.43	79.91	5251.65
178	7	5582.05	61.82	-2.09e-03	-142.69	0.0	5519.45	-56.10	58.55	727.09	-114.54	5582.05
		5198.19	-114.54	-3.40e-04	0.0	301.2	5519.45	-198.79	58.55	727.09	61.82	5198.19
178	8	4425.47	53.16	-1.66e-03	-105.70	0.0	4409.80	-44.88	45.41	571.56	-83.62	4425.47
		4131.13	-83.62	-2.81e-04	0.0	301.2	4409.80	-150.57	45.41	571.56	53.16	4131.13
178	9	3996.87	55.81	-1.49e-03	-105.70	0.0	3947.39	-36.63	42.00	519.54	-70.70	3996.87
		3727.36	-70.70	-2.61e-04	0.0	301.2	3947.39	-142.33	42.00	519.54	55.81	3727.36
178	10	4060.76	45.51	-1.52e-03	-105.70	0.0	4042.93	-37.89	41.69	525.64	-80.05	4060.76
		3787.45	-80.05	-2.52e-04	0.0	301.2	4042.93	-143.59	41.69	525.64	45.51	3787.45
178	11	3999.83	52.69	-1.49e-03	-105.70	0.0	3934.61	-37.55	41.97	521.29	-73.74	3999.83
		3727.56	-73.74	-2.52e-04	0.0	301.2	3934.61	-143.24	41.97	521.29	52.69	3727.56
179	1	5601.67	286.55	-6.16e-03	-142.69	0.0	5058.41	-310.41	66.74	680.34	85.53	5601.67
		4451.83	85.53	-3.84e-04	0.0	301.2	5058.41	-453.10	66.74	680.34	286.55	4451.83
179	2	5652.24	287.75	-6.22e-03	-142.69	0.0	5129.55	-311.96	66.67	680.11	86.93	5652.24
		4497.72	86.93	-3.80e-04	0.0	301.2	5129.55	-454.65	66.67	680.11	287.75	4497.72
179	3	5715.23	269.64	-6.30e-03	-142.69	0.0	5220.93	-318.97	67.28	693.82	66.99	5715.23
		4539.61	66.99	-3.76e-04	0.0	301.2	5220.93	-461.66	67.28	693.82	269.64	4539.61
179	4	5734.00	263.23	-6.32e-03	-142.69	0.0	5149.64	-322.39	68.23	696.78	57.73	5734.00
		4548.07	57.73	-1.52e-04	0.0	301.2	5149.64	-465.08	68.23	696.78	263.23	4548.07
179	5	6752.79	435.46	-7.27e-03	-142.69	0.0	6035.00	-415.64	63.20	710.07	245.10	6752.79
		5286.00	245.10	-2.55e-04	0.0	301.2	6035.00	-558.33	63.20	710.07	435.46	5286.00
179	6	5608.67	281.83	-6.15e-03	-142.69	0.0	5027.72	-312.23	67.04	684.44	79.91	5608.67
		4453.34	79.91	-3.70e-04	0.0	301.2	5027.72	-454.92	67.04	684.44	281.83	4453.34
179	7	5551.18	262.41	-6.12e-03	-142.69	0.0	5028.22	-310.73	66.60	683.21	61.82	5551.18
		4400.37	61.82	-3.51e-04	0.0	301.2	5028.22	-453.42	66.60	683.21	262.41	4400.37
179	8	4404.28	209.29	-4.86e-03	-105.70	0.0	4023.97	-247.46	51.84	533.78	53.16	4404.28
		3499.75	53.16	-2.91e-04	0.0	301.2	4023.97	-353.16	51.84	533.78	209.29	3499.75
179	9	3977.48	198.46	-4.38e-03	-105.70	0.0	3597.35	-219.04	47.36	484.60	55.81	3977.48
		3158.55	55.81	-2.67e-04	0.0	301.2	3597.35	-324.74	47.36	484.60	198.46	3158.55
179	10	4040.56	189.07	-4.46e-03	-105.70	0.0	3687.64	-223.79	47.66	492.09	45.51	4040.56
		3207.31	45.51	-2.62e-04	0.0	301.2	3687.64	-329.49	47.66	492.09	189.07	3207.31
179	11	3981.37	195.84	-4.37e-03	-105.70	0.0	3580.30	-220.05	47.53	486.88	52.69	3981.37
		3159.38	52.69	-2.59e-04	0.0	301.2	3580.30	-325.75	47.53	486.88	195.84	3159.38
180	1	5113.98	445.17	-9.74e-03	-142.69	0.0	4122.93	-561.46	52.66	571.98	286.55	5113.98
		3207.98	286.55	-3.56e-04	0.0	301.2	4122.93	-704.15	52.66	571.98	445.17	3207.98
180	2	5162.66	446.72	-9.83e-03	-142.69	0.0	4184.53	-566.79	52.78	568.36	287.75	5162.66
		3240.61	287.75	-3.55e-04	0.0	301.2	4184.53	-709.48	52.78	568.36	446.72	3240.61
180	3	5218.75	433.07	-9.95e-03	-142.69	0.0	4260.71	-577.16	54.26	587.67	269.64	5218.75
		3265.44	269.64	-3.53e-04	0.0	301.2	4260.71	-719.85	54.26	587.67	433.07	3265.44
180	4	5242.74	434.27	-9.98e-03	-142.69	0.0	4170.84	-579.49	56.79	591.71	263.23	5242.74
		3282.43	263.23	-1.32e-04	0.0	301.2	4170.84	-722.18	56.79	591.71	434.27	3282.43
180	5	6095.73	552.27	-0.01	-142.69	0.0	4845.51	-694.01	38.78	537.28	435.46	6095.73
		3790.48	435.46	-2.21e-04	0.0	301.2	4845.51	-836.70	38.78	537.28	552.27	3790.48
180	6	5123.92	443.52	-9.74e-03	-142.69	0.0	4082.28	-562.90	53.68	576.83	281.83	5123.92

180	7	3213.57	281.83	-3.43e-04	0.0	301.2	4082.28	-705.59	53.68	576.83	443.52	3213.57
		5063.51	424.32	-9.66e-03	-142.69	0.0	4095.43	-559.56	53.75	581.90	262.41	5063.51
		3163.24	262.41	-3.28e-04	0.0	301.2	4095.43	-702.25	53.75	581.90	424.32	3163.24
180	8	4022.10	334.93	-7.67e-03	-105.70	0.0	3284.55	-446.46	41.71	451.57	209.29	4022.10
		2518.18	209.29	-2.74e-04	0.0	301.2	3284.55	-552.16	41.71	451.57	334.93	2518.18
180	9	3630.55	311.87	-6.92e-03	-105.70	0.0	2931.65	-397.45	37.65	408.88	198.46	3630.55
		2274.24	198.46	-2.48e-04	0.0	301.2	2931.65	-503.15	37.65	408.88	311.87	2274.24
180	10	3688.75	305.15	-7.04e-03	-105.70	0.0	3008.19	-406.18	38.54	417.60	189.07	3688.75
		2306.16	189.07	-2.47e-04	0.0	301.2	3008.19	-511.87	38.54	417.60	305.15	2306.16
180	11	3636.07	310.95	-6.92e-03	-105.70	0.0	2909.07	-398.25	38.22	411.58	195.84	3636.07
		2277.35	195.84	-2.41e-04	0.0	301.2	2909.07	-503.95	38.22	411.58	310.95	2277.35
181	1	4172.11	501.47	-0.01	-142.69	0.0	2762.81	-817.59	18.69	409.53	445.17	4172.11
		1494.64	445.17	-3.09e-04	0.0	301.2	2762.81	-960.28	18.69	409.53	501.47	1494.64
181	2	4214.45	503.45	-0.01	-142.69	0.0	2806.74	-827.04	18.84	402.82	446.72	4214.45
		1508.51	446.72	-3.11e-04	0.0	301.2	2806.74	-969.73	18.84	402.82	503.45	1508.51
181	3	4259.65	498.36	-0.01	-142.69	0.0	2858.28	-842.49	21.68	425.95	433.07	4259.65
		1507.18	433.07	-3.11e-04	0.0	301.2	2858.28	-985.18	21.68	425.95	498.36	1507.18
181	4	4298.97	521.43	-0.01	-142.69	0.0	2740.43	-841.04	28.94	427.64	434.27	4298.97
		1550.87	434.27	-9.23e-05	0.0	301.2	2740.43	-983.73	28.94	427.64	521.43	1550.87
181	5	4948.20	588.85	-0.01	-142.69	0.0	3188.25	-972.74	12.15	316.89	552.27	4948.20
		1803.42	552.27	-1.78e-04	0.0	301.2	3188.25	-1115.43	12.15	316.89	588.85	1803.42
181	6	4189.54	510.20	-0.01	-142.69	0.0	2707.68	-817.55	22.14	413.77	443.52	4189.54
		1512.19	443.52	-2.97e-04	0.0	301.2	2707.68	-960.24	22.14	413.77	510.20	1512.19
181	7	4126.41	489.63	-0.01	-142.69	0.0	2739.76	-813.19	21.68	425.24	424.32	4126.41
		1462.18	424.32	-2.85e-04	0.0	301.2	2739.76	-955.88	21.68	425.24	489.63	1462.18
181	8	3283.58	384.43	-9.82e-03	-105.70	0.0	2204.18	-651.17	16.44	326.69	334.93	3283.58
		1163.07	334.93	-2.41e-04	0.0	301.2	2204.18	-756.87	16.44	326.69	384.43	1163.07
181	9	2961.05	354.01	-8.86e-03	-105.70	0.0	1963.70	-579.39	13.99	294.44	311.87	2961.05
		1056.74	311.87	-2.16e-04	0.0	301.2	1963.70	-685.09	13.99	294.44	354.01	1056.74
181	10	3009.69	352.28	-9.01e-03	-105.70	0.0	2016.74	-593.23	15.65	303.56	305.15	3009.69
		1063.71	305.15	-2.17e-04	0.0	301.2	2016.74	-698.92	15.65	303.56	352.28	1063.71
181	11	2970.74	358.86	-8.87e-03	-105.70	0.0	1933.08	-579.37	15.91	296.80	310.95	2970.74
		1066.50	310.95	-2.09e-04	0.0	301.2	1933.08	-685.07	15.91	296.80	358.86	1066.50
182	1	2862.31	501.47	-0.01	-142.69	0.0	896.82	-1119.33	-89.92	288.61	501.47	2862.31
		-724.00	230.64	-2.12e-04	0.0	301.2	896.82	-1262.02	-89.92	288.61	230.64	-724.00
182	2	2893.05	503.45	-0.01	-142.69	0.0	915.05	-1133.21	-91.18	280.16	503.45	2893.05
		-735.07	228.82	-2.14e-04	0.0	301.2	915.05	-1275.90	-91.18	280.16	228.82	-735.07
182	3	2919.55	498.36	-0.01	-142.69	0.0	929.72	-1156.86	-86.23	303.38	498.36	2919.55
		-779.79	238.64	-2.17e-04	0.0	301.2	929.72	-1299.55	-86.23	303.38	238.64	-779.79
182	4	3004.59	521.43	-0.01	-142.69	0.0	759.70	-1149.43	-95.48	318.39	521.43	3004.59
		-672.39	233.84	-3.73e-05	0.0	301.2	759.70	-1292.12	-95.48	318.39	233.84	-672.39
182	5	3437.04	588.85	-0.02	-142.69	0.0	952.72	-1298.99	-130.91	189.62	588.85	3437.04
		-690.42	194.55	-5.63e-05	0.0	301.2	952.72	-1441.68	-130.91	189.62	194.55	-690.42
182	6	2900.40	510.20	-0.01	-142.69	0.0	816.53	-1116.95	-92.89	299.38	510.20	2900.40
		-678.75	230.41	-1.91e-04	0.0	301.2	816.53	-1259.64	-92.89	299.38	230.41	-678.75
182	7	2825.56	489.63	-0.01	-142.69	0.0	880.18	-1111.68	-83.90	306.27	489.63	2825.56
		-737.71	236.94	-1.91e-04	0.0	301.2	880.18	-1254.37	-83.90	306.27	236.94	-737.71
182	8	2251.31	384.43	-0.01	-105.70	0.0	717.88	-894.11	-66.74	232.15	384.43	2251.31
		-600.93	183.42	-1.69e-04	0.0	301.2	717.88	-999.81	-66.74	232.15	183.42	-600.93
182	9	2030.02	354.01	-9.98e-03	-105.70	0.0	636.05	-793.45	-62.71	208.80	354.01	2030.02
		-519.03	165.12	-1.48e-04	0.0	301.2	636.05	-899.15	-62.71	208.80	165.12	-519.03
182	10	2061.82	352.28	-0.01	-105.70	0.0	654.32	-814.30	-60.66	217.00	352.28	2061.82
		-550.03	169.56	-1.51e-04	0.0	301.2	654.32	-919.99	-60.66	217.00	169.56	-550.03
182	11	2051.18	358.86	-1.00e-02	-105.70	0.0	591.44	-792.13	-64.37	214.78	358.86	2051.18
		-493.89	164.99	-1.36e-04	0.0	301.2	591.44	-897.83	-64.37	214.78	164.99	-493.89
183	1	4239.62	-335.49	-0.02	-149.80	0.0	3152.42	1022.44	-32.13	313.45	-335.49	4239.62
		1243.50	-437.07	4.56e-04	0.0	316.2	3152.42	872.64	-32.13	313.45	-437.07	1243.50
183	2	4597.69	-363.43	-0.02	-149.80	0.0	3377.34	1115.68	-29.05	469.40	-363.43	4597.69
		1306.74	-455.30	4.43e-04	0.0	316.2	3377.34	965.88	-29.05	469.40	-455.30	1306.74
183	3	4305.38	-334.99	-0.02	-149.80	0.0	3186.98	1038.35	-33.09	333.86	-334.99	4305.38
		1258.94	-439.64	4.58e-04	0.0	316.2	3186.98	888.55	-33.09	333.86	-439.64	1258.94
183	4	4289.52	-359.16	-0.02	-149.80	0.0	3217.63	1040.79	-22.22	328.86	-359.16	4289.52
		1235.36	-429.42	1.01e-04	0.0	316.2	3217.63	891.00	-22.22	328.86	-429.42	1235.36
183	5	4242.30	-355.80	-0.02	-149.80	0.0	3186.78	1028.08	-22.88	317.78	-355.80	4242.30
		1228.32	-428.15	1.11e-04	0.0	316.2	3186.78	878.29	-22.88	317.78	-428.15	1228.32
183	6	4226.95	-354.67	-0.02	-149.80	0.0	3176.86	1023.91	-23.86	308.98	-354.67	4226.95
		1226.19	-430.11	1.21e-04	0.0	316.2	3176.86	874.11	-23.86	308.98	-430.11	1226.19
183	7	4213.20	-434.35	-0.02	-149.80	0.0	3168.06	1020.34	-24.42	298.18	-434.35	4213.20
		1223.71	-431.57	1.14e-04	0.0	316.2	3168.06	870.54	-24.42	298.18	-431.57	1223.71
183	8	3318.18	-256.98	-0.01	-110.96	0.0	2452.02	797.46	-26.26	257.27	-256.98	3318.18
		972.04	-340.01	3.83e-04	0.0	316.2	2452.02	686.50	-26.26	257.27	-340.01	972.04
183	9	3008.95	-240.35	-0.01	-110.96	0.0	2243.02	728.94	-21.52	222.95	-240.35	3008.95

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183	10	879.47	-308.39	2.70e-04	0.0	316.2	2243.02	617.98	-21.52	222.95	-308.39	3008.95
		3045.48	-240.08	-0.01	-110.96	0.0	2262.22	737.78	-22.05	234.29	-240.08	888.05
		888.05	-309.81	2.71e-04	0.0	316.2	2262.22	626.82	-22.05	234.29	-309.81	3045.48
183	11	3001.91	-251.01	-0.01	-110.96	0.0	2256.59	729.76	-16.92	220.47	-251.01	869.85
		869.85	-304.52	8.36e-05	0.0	316.2	2256.59	618.80	-16.92	220.47	-304.52	3001.91
184	1	5396.59	-403.49	-0.01	-149.80	0.0	4648.45	799.50	10.62	441.88	-437.07	3105.41
		3105.41	-437.07	5.44e-04	0.0	316.2	4648.45	649.70	10.62	441.88	-403.49	5396.59
184	2	5942.79	-406.48	-0.01	-149.80	0.0	5010.75	893.54	15.44	604.05	-455.30	3354.23
		3354.23	-455.30	5.34e-04	0.0	316.2	5010.75	743.75	15.44	604.05	-406.48	5942.79
184	3	5490.67	-410.24	-0.01	-149.80	0.0	4701.22	813.55	9.30	462.23	-439.64	3155.04
		3155.04	-439.64	5.48e-04	0.0	316.2	4701.22	663.76	9.30	462.23	-410.24	5490.67
184	4	5474.76	-387.55	-0.01	-149.80	0.0	4742.92	816.30	13.24	462.23	-429.42	3130.46
		3130.46	-429.42	1.82e-04	0.0	316.2	4742.92	666.50	13.24	462.23	-387.55	5474.76
184	5	5407.70	-386.12	-0.01	-149.80	0.0	4692.84	804.81	13.29	450.78	-428.15	3099.73
		3099.73	-428.15	1.91e-04	0.0	316.2	4692.84	655.01	13.29	450.78	-386.12	5407.70
184	6	5383.65	-389.06	-0.01	-149.80	0.0	4679.14	801.00	12.98	441.84	-430.11	3087.73
		3087.73	-430.11	2.02e-04	0.0	316.2	4679.14	651.20	12.98	441.84	-389.06	5383.65
184	7	5363.91	-394.12	-0.01	-149.80	0.0	4664.87	797.67	11.85	431.80	-431.57	3078.49
		3078.49	-431.57	1.96e-04	0.0	316.2	4664.87	647.88	11.85	431.80	-394.12	5363.91
184	8	4231.48	-317.97	-9.53e-03	-110.96	0.0	3617.46	624.43	6.97	356.08	-340.01	2432.45
		2432.45	-340.01	4.52e-04	0.0	316.2	3617.46	513.47	6.97	356.08	-317.97	4231.48
184	9	3831.27	-284.00	-8.63e-03	-110.96	0.0	3306.77	570.54	7.71	314.48	-308.39	2202.66
		2202.66	-308.39	3.31e-04	0.0	316.2	3306.77	459.58	7.71	314.48	-284.00	3831.27
184	10	3883.54	-287.75	-8.75e-03	-110.96	0.0	3336.09	578.35	6.98	325.78	-309.81	2230.24
		2230.24	-309.81	3.33e-04	0.0	316.2	3336.09	467.39	6.98	325.78	-287.75	3883.54
184	11	3824.09	-275.98	-8.62e-03	-110.96	0.0	3323.82	571.37	9.03	314.45	-304.52	2192.84
		2192.84	-304.52	1.41e-04	0.0	316.2	3323.82	460.41	9.03	314.45	-275.98	3824.09
185	1	6126.97	-312.11	-8.02e-03	-149.80	0.0	5695.94	557.07	28.90	560.34	-403.49	4602.35
		4602.35	-403.49	6.32e-04	0.0	316.2	5695.94	407.27	28.90	560.34	-312.11	6126.97
185	2	6858.36	-284.96	-9.13e-03	-149.80	0.0	6176.60	646.59	38.43	716.09	-406.48	5050.66
		5050.66	-406.48	6.28e-04	0.0	316.2	6176.60	496.80	38.43	716.09	-284.96	6858.36
185	3	6238.93	-320.35	-8.17e-03	-149.80	0.0	5764.45	567.58	28.43	578.32	-410.24	4681.06
		4681.06	-410.24	6.41e-04	0.0	316.2	5764.45	417.79	28.43	578.32	-320.35	6238.93
185	4	6228.43	-306.06	-8.18e-03	-149.80	0.0	5804.79	569.15	25.77	581.37	-387.55	4665.60
		4665.60	-387.55	2.62e-04	0.0	316.2	5804.79	419.36	25.77	581.37	-306.06	6228.43
185	5	6149.62	-302.98	-8.07e-03	-149.80	0.0	5739.04	560.72	26.29	570.94	-386.12	4613.46
		4613.46	-386.12	2.69e-04	0.0	316.2	5739.04	410.92	26.29	570.94	-302.98	6149.62
185	6	6117.49	-304.64	-8.02e-03	-149.80	0.0	5724.79	557.82	26.70	562.77	-389.06	4590.50
		4590.50	-389.06	2.81e-04	0.0	316.2	5724.79	408.02	26.70	562.77	-304.64	6117.49
185	7	6092.38	-314.05	-7.98e-03	-149.80	0.0	5706.04	554.90	25.32	554.15	-394.12	4574.62
		4574.62	-394.12	2.75e-04	0.0	316.2	5706.04	405.10	25.32	554.15	-314.05	6092.38
185	8	4807.66	-247.72	-6.30e-03	-110.96	0.0	4436.68	435.12	22.22	445.41	-317.97	3607.25
		3607.25	-317.97	5.25e-04	0.0	316.2	4436.68	324.16	22.22	445.41	-247.72	4807.66
185	9	4350.94	-221.15	-5.70e-03	-110.96	0.0	4050.43	398.10	19.88	398.65	-284.00	3267.57
		3267.57	-284.00	3.92e-04	0.0	316.2	4050.43	287.14	19.88	398.65	-221.15	4350.94
185	10	4413.14	-225.73	-5.78e-03	-110.96	0.0	4088.48	403.94	19.61	408.64	-287.75	3311.30
		3311.30	-287.75	3.98e-04	0.0	316.2	4088.48	292.98	19.61	408.64	-225.73	4413.14
185	11	4345.67	-217.00	-5.70e-03	-110.96	0.0	4066.46	398.52	18.65	400.00	-275.98	3260.99
		3260.99	-275.98	1.97e-04	0.0	316.2	4066.46	287.56	18.65	400.00	-217.00	4345.67
186	1	6378.30	-205.23	-3.13e-03	-149.80	0.0	6268.81	292.01	33.80	654.91	-312.11	5691.79
		5691.79	-312.11	6.99e-04	0.0	316.2	6268.81	142.22	33.80	654.91	-205.23	6378.30
186	2	7271.20	-106.38	-3.67e-03	-149.80	0.0	6851.73	371.32	56.48	786.27	-284.96	6333.91
		6333.91	-284.96	7.03e-04	0.0	316.2	6851.73	221.52	56.48	786.27	-106.38	7271.20
186	3	6496.24	-213.37	-3.21e-03	-149.80	0.0	6348.49	297.88	33.83	669.96	-320.35	5791.17
		5791.17	-320.35	7.15e-04	0.0	316.2	6348.49	148.08	33.83	669.96	-213.37	6496.24
186	4	6492.23	-206.55	-3.22e-03	-149.80	0.0	6382.97	298.61	31.47	671.36	-306.06	5784.84
		5784.84	-306.06	3.31e-04	0.0	316.2	6382.97	148.82	31.47	671.36	-206.55	6492.23
186	5	6410.04	-202.06	-3.17e-03	-149.80	0.0	6307.14	294.04	31.92	662.47	-302.98	5717.11
		5717.11	-302.98	3.35e-04	0.0	316.2	6307.14	144.24	31.92	662.47	-202.06	6410.04
186	6	6372.58	-202.31	-3.14e-03	-149.80	0.0	6293.93	292.34	32.36	656.21	-304.64	5685.02
		5685.02	-304.64	3.45e-04	0.0	316.2	6293.93	142.55	32.36	656.21	-202.31	6372.58
186	7	6343.54	-215.56	-3.12e-03	-149.80	0.0	6272.00	290.15	31.15	649.75	-314.05	5662.91
		5662.91	-314.05	3.42e-04	0.0	316.2	6272.00	140.36	31.15	649.75	-215.56	6343.54
186	8	5005.46	-164.43	-2.47e-03	-110.96	0.0	4887.25	227.43	26.34	516.14	-247.72	4461.75
		4461.75	-247.72	5.83e-04	0.0	316.2	4887.25	116.47	26.34	516.14	-164.43	5005.46
186	9	4530.14	-146.86	-2.23e-03	-110.96	0.0	4456.51	209.65	23.50	465.38	-221.15	4042.65
		4042.65	-221.15	4.40e-04	0.0	316.2	4456.51	98.69	23.50	465.38	-146.86	4530.14
186	10	4595.66	-151.38	-2.27e-03	-110.96	0.0	4500.78	212.91	23.51	473.74	-225.73	4097.86
		4097.86	-225.73	4.50e-04	0.0	316.2	4500.78	101.95	23.51	473.74	-151.38	4595.66
186	11	4526.97	-145.24	-2.23e-03	-110.96	0.0	4470.47	209.84	22.70	466.10	-217.00	4038.89
		4038.89	-217.00	2.44e-04	0.0	316.2	4470.47	98.88	22.70	466.10	-145.24	4526.97
187	1	6330.11	-90.13	-2.14e-03	-149.80	0.0	6333.23	6.32	36.40	717.88	-205.23	6329.78

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187	2	6112.94	-205.23	7.42e-04	0.0	316.2	6333.23	-143.48	36.40	717.88	-90.13	6112.94
		7223.59	9.29	-2.32e-03	-149.80	0.0	6936.13	-15.49	36.58	796.13	-106.38	7223.59
		6937.79	-106.38	7.55e-04	0.0	316.2	6936.13	-165.28	36.58	796.13	9.29	6937.79
187	3	6440.81	-97.89	-2.16e-03	-149.80	0.0	6416.88	6.86	36.52	729.81	-213.38	6440.38
		6225.23	-213.38	7.67e-04	0.0	316.2	6416.88	-142.94	36.52	729.81	-97.89	6225.23
187	4	6442.49	-94.79	-2.15e-03	-149.80	0.0	6443.89	7.13	35.34	729.47	-206.55	6442.01
		6227.71	-206.55	3.80e-04	0.0	316.2	6443.89	-142.67	35.34	729.47	-94.79	6227.71
187	5	6366.04	-89.92	-2.13e-03	-149.80	0.0	6364.94	6.71	35.46	722.10	-202.06	6365.64
		6150.03	-202.06	3.80e-04	0.0	316.2	6364.94	-143.09	35.46	722.10	-89.92	6150.03
187	6	6327.82	-89.04	-2.13e-03	-149.80	0.0	6353.86	6.42	35.82	718.24	-202.31	6327.48
		6110.94	-202.31	3.87e-04	0.0	316.2	6353.86	-143.38	35.82	718.24	-89.04	6110.94
187	7	6300.37	-104.97	-2.12e-03	-149.80	0.0	6330.47	5.27	34.98	714.72	-215.56	6300.25
		6080.07	-215.56	3.89e-04	0.0	316.2	6330.47	-144.53	34.98	714.72	-104.97	6080.07
187	8	4961.28	-74.95	-1.67e-03	-110.96	0.0	4940.74	3.25	28.30	562.32	-164.43	4961.28
		4796.14	-164.43	6.23e-04	0.0	316.2	4940.74	-107.71	28.30	562.32	-74.95	4796.14
187	9	4497.29	-66.05	-1.52e-03	-110.96	0.0	4501.28	6.62	25.56	509.82	-146.86	4496.67
		4342.17	-146.86	4.72e-04	0.0	316.2	4501.28	-104.34	25.56	509.82	-66.05	4342.17
187	10	4558.79	-70.36	-1.53e-03	-110.96	0.0	4547.75	6.92	25.62	516.44	-151.38	4558.11
		4404.56	-151.38	4.86e-04	0.0	316.2	4547.75	-104.04	25.62	516.44	-70.36	4404.56
187	11	4496.02	-65.45	-1.51e-03	-110.96	0.0	4512.74	6.67	25.23	510.02	-145.24	4495.39
		4341.06	-145.24	2.75e-04	0.0	316.2	4512.74	-104.29	25.23	510.02	-65.45	4341.06
188	1	6475.18	39.31	-7.30e-03	-149.80	0.0	5857.56	-299.97	40.94	744.58	-90.13	6475.18
		5289.85	-90.13	7.61e-04	0.0	316.2	5857.56	-449.76	40.94	744.58	39.31	5289.85
188	2	7356.66	132.56	-8.17e-03	-149.80	0.0	6364.33	-350.63	38.99	778.60	9.29	7356.66
		6011.13	9.29	7.68e-04	0.0	316.2	6364.33	-500.43	38.99	778.60	132.56	6011.13
188	3	6586.86	32.31	-7.41e-03	-149.80	0.0	5936.41	-305.10	41.18	753.02	-97.89	6586.86
		5385.31	-97.89	7.94e-04	0.0	316.2	5936.41	-454.89	41.18	753.02	32.31	5385.31
188	4	6593.85	35.28	-7.40e-03	-149.80	0.0	5957.56	-304.98	41.14	751.39	-94.79	6593.85
		5392.69	-94.79	4.06e-04	0.0	316.2	5957.56	-454.77	41.14	751.39	35.28	5392.69
188	5	6515.91	39.35	-7.32e-03	-149.80	0.0	5883.31	-301.12	40.88	745.52	-89.92	6515.91
		5326.95	-89.92	4.02e-04	0.0	316.2	5883.31	-450.91	40.88	745.52	39.35	5326.95
188	6	6475.58	41.11	-7.29e-03	-149.80	0.0	5875.04	-299.94	41.16	744.23	-89.04	6475.58
		5290.33	-89.04	4.07e-04	0.0	316.2	5875.04	-449.74	41.16	744.23	41.11	5290.33
188	7	6445.23	23.89	-7.26e-03	-149.80	0.0	5852.02	-299.81	40.75	744.28	-104.97	6445.23
		5260.40	-104.97	4.13e-04	0.0	316.2	5852.02	-449.61	40.75	744.28	23.89	5260.40
188	8	5073.73	25.39	-5.71e-03	-110.96	0.0	4571.18	-237.11	31.74	580.22	-74.95	5073.73
		4148.58	-74.95	6.43e-04	0.0	316.2	4571.18	-348.07	31.74	580.22	25.39	4148.58
188	9	4600.28	25.72	-5.18e-03	-110.96	0.0	4162.71	-210.96	29.02	528.62	-66.05	4600.28
		3757.79	-66.05	4.87e-04	0.0	316.2	4162.71	-321.92	29.02	528.62	25.72	3757.79
188	10	4662.32	21.83	-5.25e-03	-110.96	0.0	4206.52	-213.81	29.16	533.30	-70.36	4662.32
		3810.82	-70.36	5.05e-04	0.0	316.2	4206.52	-324.77	29.16	533.30	21.83	3810.82
188	11	4600.50	26.72	-5.18e-03	-110.96	0.0	4172.42	-210.95	29.15	528.42	-65.45	4600.50
		3758.06	-65.45	2.90e-04	0.0	316.2	4172.42	-321.91	29.15	528.42	26.72	3758.06
189	1	6090.39	180.84	-0.01	-149.80	0.0	4803.63	-631.10	44.76	731.95	39.31	6090.39
		3858.00	39.31	7.52e-04	0.0	316.2	4803.63	-780.90	44.76	731.95	180.84	3858.00
189	2	6886.93	257.44	-0.01	-149.80	0.0	5191.71	-710.15	39.49	721.88	132.56	6886.93
		4404.61	132.56	7.56e-04	0.0	316.2	5191.71	-859.95	39.49	721.88	257.44	4404.61
189	3	6192.63	175.17	-0.01	-149.80	0.0	4868.49	-641.91	45.18	736.66	32.31	6192.63
		3926.08	32.31	7.92e-04	0.0	316.2	4868.49	-791.71	45.18	736.66	175.17	3926.08
189	4	6202.59	182.19	-0.01	-149.80	0.0	4886.05	-641.89	46.46	733.56	35.28	6202.59
		3936.10	35.28	4.04e-04	0.0	316.2	4886.05	-791.69	46.46	733.56	182.19	3936.10
189	5	6130.19	184.15	-0.01	-149.80	0.0	4824.62	-633.70	45.79	729.45	39.35	6130.19
		3889.59	39.35	3.96e-04	0.0	316.2	4824.62	-783.50	45.79	729.45	184.15	3889.59
189	6	6091.96	186.30	-0.01	-149.80	0.0	4819.51	-631.15	45.92	730.68	41.11	6091.96
		3859.44	41.11	3.97e-04	0.0	316.2	4819.51	-780.95	45.92	730.68	186.30	3859.44
189	7	6061.06	169.99	-0.01	-149.80	0.0	4798.83	-629.58	46.20	734.45	23.89	6061.06
		3833.51	23.89	4.09e-04	0.0	316.2	4798.83	-779.37	46.20	734.45	169.99	3833.51
189	8	4769.81	134.88	-9.37e-03	-110.96	0.0	3748.73	-496.63	34.62	567.70	25.39	4769.81
		3024.04	25.39	6.42e-04	0.0	316.2	3748.73	-607.59	34.62	567.70	134.88	3024.04
189	9	4326.87	127.10	-8.50e-03	-110.96	0.0	3413.86	-446.14	32.06	519.43	25.72	4326.87
		2740.75	25.72	4.82e-04	0.0	316.2	3413.86	-557.10	32.06	519.43	127.10	2740.75
189	10	4383.67	123.95	-8.61e-03	-110.96	0.0	3449.89	-452.14	32.30	522.04	21.83	4383.67
		2778.57	21.83	5.04e-04	0.0	316.2	3449.89	-563.10	32.30	522.04	123.95	2778.57
189	11	4327.74	130.13	-8.49e-03	-110.96	0.0	3422.68	-446.17	32.71	518.72	26.72	4327.74
		2741.54	26.72	2.84e-04	0.0	316.2	3422.68	-557.12	32.71	518.72	130.13	2741.54
190	1	5140.72	234.06	-0.02	-149.80	0.0	3116.97	-993.62	16.83	700.70	180.84	5140.72
		1762.07	180.84	6.96e-04	0.0	316.2	3116.97	-1143.41	16.83	700.70	234.06	1762.07
190	2	5787.24	274.40	-0.02	-149.80	0.0	3360.32	-1095.89	5.36	655.71	257.44	5787.24
		2085.20	257.44	6.96e-04	0.0	316.2	3360.32	-1245.69	5.36	655.71	274.40	2085.20
190	3	5223.36	230.89	-0.02	-149.80	0.0	3158.72	-1009.63	17.62	701.75	175.17	5223.36
		1794.09	175.17	7.43e-04	0.0	316.2	3158.72	-1159.42	17.62	701.75	230.89	1794.09
190	4	5234.04	239.29	-0.02	-149.80	0.0	3174.48	-1010.21	18.06	697.91	182.19	5234.04

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190	5	1802.94	182.19	3.52e-04	0.0	316.2	3174.48	-1160.00	18.06	697.91	239.29	1802.94
		5174.19	238.96	-0.02	-149.80	0.0	3134.19	-997.72	17.33	695.83	184.15	5174.19
		1782.58	184.15	3.41e-04	0.0	316.2	3134.19	-1147.51	17.33	695.83	238.96	1782.58
190	6	5142.18	241.08	-0.02	-149.80	0.0	3132.27	-994.05	17.32	699.15	186.30	5142.18
		1762.16	186.30	3.38e-04	0.0	316.2	3132.27	-1143.85	17.32	699.15	241.08	1762.16
190	7	5113.78	230.07	-0.02	-149.80	0.0	3115.74	-990.99	19.00	706.01	169.99	5113.78
		1743.44	169.99	3.55e-04	0.0	316.2	3115.74	-1140.78	19.00	706.01	230.07	1743.44
190	8	4023.03	177.26	-0.01	-110.96	0.0	2431.59	-779.88	13.40	540.95	134.88	4023.03
		1381.62	134.88	6.03e-04	0.0	316.2	2431.59	-890.84	13.40	540.95	177.26	1381.62
190	9	3651.95	166.09	-0.01	-110.96	0.0	2215.93	-703.63	12.33	496.97	127.10	3651.95
		1251.65	127.10	4.43e-04	0.0	316.2	2215.93	-814.59	12.33	496.97	166.09	1251.65
190	10	3697.86	164.32	-0.01	-110.96	0.0	2239.12	-712.52	12.77	497.55	123.95	3697.86
		1269.43	123.95	4.68e-04	0.0	316.2	2239.12	-823.48	12.77	497.55	164.32	1269.43
190	11	3652.76	169.99	-0.01	-110.96	0.0	2224.43	-703.87	12.60	496.11	130.13	3652.76
		1251.69	130.13	2.44e-04	0.0	316.2	2224.43	-814.83	12.60	496.11	169.99	1251.69
191	1	3487.19	234.06	-0.02	-149.80	0.0	856.46	-1378.38	-18.37	653.66	234.06	3487.19
		-1108.06	175.96	-6.29e-04	0.0	316.2	856.46	-1528.17	-18.37	653.66	175.96	-1108.06
191	2	3932.30	274.40	-0.02	-149.80	0.0	935.07	-1496.13	-33.97	583.47	274.40	3932.30
		-1035.30	167.00	6.36e-04	0.0	316.2	935.07	-1645.93	-33.97	583.47	167.00	-1035.30
191	3	3543.41	230.89	-0.02	-149.80	0.0	864.53	-1398.31	-16.94	651.93	230.89	3543.41
		-1114.87	177.31	6.80e-04	0.0	316.2	864.53	-1548.10	-16.94	651.93	177.31	-1114.87
191	4	3549.36	239.29	-0.02	-149.80	0.0	881.99	-1400.90	-19.46	647.11	239.29	3549.36
		-1117.13	177.77	-2.87e-04	0.0	316.2	881.99	-1550.70	-19.46	647.11	177.77	-1117.13
191	5	3508.94	238.96	-0.02	-149.80	0.0	870.85	-1384.21	-19.74	647.19	238.96	3508.94
		-1104.74	176.53	-2.74e-04	0.0	316.2	870.85	-1534.00	-19.74	647.19	176.53	-1104.74
191	6	3485.44	241.08	-0.02	-149.80	0.0	873.12	-1379.89	-20.21	652.09	241.08	3485.44
		-1114.59	177.19	-2.69e-04	0.0	316.2	873.12	-1529.69	-20.21	652.09	177.19	-1114.59
191	7	3462.79	230.07	-0.02	-149.80	0.0	862.17	-1375.71	-16.18	660.52	230.07	3462.79
		-1124.04	178.89	-2.89e-04	0.0	316.2	862.17	-1525.51	-16.18	660.52	178.89	-1124.04
191	8	2729.05	177.26	-0.01	-110.96	0.0	664.17	-1078.88	-12.90	502.90	177.26	2729.05
		-857.81	136.46	-5.55e-04	0.0	316.2	664.17	-1189.84	-12.90	502.90	136.46	-857.81
191	9	2477.00	166.09	-0.01	-110.96	0.0	610.41	-977.27	-12.92	463.13	166.09	2477.00
		-788.56	125.23	-3.96e-04	0.0	316.2	610.41	-1088.23	-12.92	463.13	125.23	-788.56
191	10	2508.23	164.32	-0.01	-110.96	0.0	614.88	-988.34	-12.13	462.17	164.32	2508.23
		-792.34	125.97	4.24e-04	0.0	316.2	614.88	-1099.30	-12.13	462.17	125.97	-792.34
191	11	2476.02	169.99	-0.01	-110.96	0.0	619.66	-978.11	-13.94	462.26	169.99	2476.02
		-792.19	125.91	1.96e-04	0.0	316.2	619.66	-1089.07	-13.94	462.26	125.91	-792.19
192	1	3851.74	-321.26	-0.01	-142.69	0.0	2884.61	975.86	-28.58	275.52	-321.26	1127.34
		1127.34	-407.33	-1.18e-04	0.0	301.2	2884.61	833.17	-28.58	275.52	-407.33	3851.74
192	2	3865.29	-322.89	-0.01	-142.69	0.0	2897.87	980.21	-26.27	282.81	-322.89	1127.78
		1127.78	-402.01	-1.13e-04	0.0	301.2	2897.87	837.52	-26.27	282.81	-402.01	3865.29
192	3	3908.98	-325.90	-0.01	-142.69	0.0	2928.29	992.68	-24.96	293.85	-325.90	1133.90
		1133.90	-401.08	-9.63e-05	0.0	301.2	2928.29	849.99	-24.96	293.85	-401.08	3908.98
192	4	3909.12	-321.05	-0.01	-142.69	0.0	2926.87	992.73	-22.46	292.19	-321.05	1133.90
		1133.90	-388.69	-1.21e-04	0.0	301.2	2926.87	850.04	-22.46	292.19	-388.69	3909.12
192	5	4181.65	-346.75	-0.01	-142.69	0.0	3094.86	1066.04	-23.99	424.14	-346.75	1185.62
		1185.62	-419.00	-2.15e-05	0.0	301.2	3094.86	923.35	-23.99	424.14	-419.00	4181.65
192	6	3852.45	-317.15	-0.01	-142.69	0.0	2872.21	974.18	-32.10	277.47	-317.15	1133.12
		1133.12	-413.85	-8.98e-05	0.0	301.2	2872.21	831.49	-32.10	277.47	-413.85	3852.45
192	7	3841.52	-319.38	-0.01	-142.69	0.0	2872.79	972.28	-30.65	267.66	-319.38	1127.90
		1127.90	-411.70	-6.71e-05	0.0	301.2	2872.79	829.59	-30.65	267.66	-411.70	3841.52
192	8	3011.42	-252.00	-9.70e-03	-105.70	0.0	2255.80	762.66	-18.93	225.83	-252.00	873.46
		873.46	-309.03	-7.75e-05	0.0	301.2	2255.80	656.97	-18.93	225.83	-309.03	3011.42
192	9	2735.74	-227.12	-8.80e-03	-105.70	0.0	2048.82	695.48	-20.39	197.03	-227.12	800.12
		800.12	-288.52	-7.46e-05	0.0	301.2	2048.82	589.79	-20.39	197.03	-288.52	2735.74
192	10	2767.54	-229.70	-8.91e-03	-105.70	0.0	2073.08	704.83	-18.38	207.21	-229.70	803.77
		803.77	-285.05	-6.26e-05	0.0	301.2	2073.08	599.14	-18.38	207.21	-285.05	2767.54
192	11	2736.14	-224.84	-8.81e-03	-105.70	0.0	2041.93	694.55	-22.35	198.11	-224.84	803.33
		803.33	-292.14	-5.90e-05	0.0	301.2	2041.93	588.85	-22.35	198.11	-292.14	2736.14
193	1	4896.92	-380.02	-9.89e-03	-142.69	0.0	4246.85	760.37	9.07	393.98	-407.33	2821.58
		2821.58	-407.33	-1.89e-04	0.0	301.2	4246.85	617.68	9.07	393.98	-380.02	4896.92
193	2	4917.58	-373.85	-9.95e-03	-142.69	0.0	4264.23	764.02	9.35	402.01	-402.01	2831.25
		2831.25	-402.01	-1.81e-04	0.0	301.2	4264.23	621.33	9.35	402.01	-373.85	4917.58
193	3	4979.59	-373.27	-0.01	-142.69	0.0	4312.16	775.20	9.23	413.70	-401.08	2859.58
		2859.58	-401.08	-1.64e-04	0.0	301.2	4312.16	632.51	9.23	413.70	-373.27	4979.59
193	4	4985.64	-366.53	-0.01	-142.69	0.0	4304.07	775.37	7.36	415.25	-388.69	2865.13
		2865.13	-388.69	-6.19e-05	0.0	301.2	4304.07	632.68	7.36	415.25	-366.53	4985.64
193	5	5401.40	-374.71	-0.01	-142.69	0.0	4581.81	851.40	14.70	548.26	-419.00	3051.89
		3051.89	-419.00	-4.94e-05	0.0	301.2	4581.81	708.71	14.70	548.26	-374.71	5401.40
193	6	4899.25	-387.93	-9.91e-03	-142.69	0.0	4228.98	759.32	8.60	394.50	-413.85	2827.07
		2827.07	-413.85	-1.65e-04	0.0	301.2	4228.98	616.63	8.60	394.50	-387.93	4899.25
193	7	4882.13	-387.66	-9.85e-03	-142.69	0.0	4229.41	757.26	7.98	386.02	-411.70	2816.17

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193	8	2816.17	-411.70	-1.40e-04	0.0	301.2	4229.41	614.57	7.98	386.02	-387.66	4882.13
		3836.30	-287.32	-7.75e-03	-105.70	0.0	3321.78	595.23	7.21	318.57	-309.03	2202.64
		2202.64	-309.03	-1.29e-04	0.0	301.2	3321.78	489.53	7.21	318.57	-287.32	3836.30
193	9	3478.74	-269.62	-7.03e-03	-105.70	0.0	3016.51	542.40	6.27	280.73	-288.52	2004.20
		2004.20	-288.52	-1.25e-04	0.0	301.2	3016.51	436.71	6.27	280.73	-269.62	3478.74
193	10	3524.66	-265.87	-7.13e-03	-105.70	0.0	3052.79	550.64	6.37	291.68	-285.05	2025.31
		2025.31	-285.05	-1.11e-04	0.0	301.2	3052.79	444.94	6.37	291.68	-265.87	3524.66
193	11	3480.03	-274.02	-7.04e-03	-105.70	0.0	3006.58	541.82	6.02	281.01	-292.14	2007.25
		2007.25	-292.14	-1.12e-04	0.0	301.2	3006.58	436.12	6.02	281.01	-274.02	3480.03
194	1	5559.87	-301.87	-6.49e-03	-142.69	0.0	5191.69	528.42	25.95	503.78	-380.02	4183.16
		4183.16	-380.02	-2.61e-04	0.0	301.2	5191.69	385.73	25.95	503.78	-301.87	5559.87
194	2	5587.44	-298.14	-6.53e-03	-142.69	0.0	5209.24	531.02	25.14	511.15	-373.85	4202.89
		4202.89	-373.85	-2.51e-04	0.0	301.2	5209.24	388.33	25.14	511.15	-298.14	5587.44
194	3	5660.52	-299.46	-6.61e-03	-142.69	0.0	5271.29	539.29	24.51	521.70	-373.27	4251.08
		4251.08	-373.27	-2.34e-04	0.0	301.2	5271.29	396.60	24.51	521.70	-299.46	5660.52
194	4	5671.65	-299.69	-6.63e-03	-142.69	0.0	5255.93	539.11	22.19	523.24	-366.53	4262.74
		4262.74	-366.53	1.77e-05	0.0	301.2	5255.93	396.42	22.19	523.24	-299.69	5671.65
194	5	6239.43	-269.14	-7.44e-03	-142.69	0.0	5629.86	615.18	35.05	652.14	-374.71	4601.39
		4601.39	-374.71	-1.23e-04	0.0	301.2	5629.86	472.49	35.05	652.14	-269.14	6239.43
194	6	5564.08	-308.11	-6.50e-03	-142.69	0.0	5170.11	527.94	26.50	504.37	-387.93	4188.82
		4188.82	-387.93	-2.40e-04	0.0	301.2	5170.11	385.25	26.50	504.37	-308.11	5564.08
194	7	5540.85	-312.09	-6.46e-03	-142.69	0.0	5170.30	525.84	25.09	496.96	-387.66	4171.90
		4171.90	-387.66	-2.14e-04	0.0	301.2	5170.30	383.15	25.09	496.96	-312.09	5540.85
194	8	4360.99	-230.35	-5.09e-03	-105.70	0.0	4060.67	413.54	18.92	401.92	-287.32	3274.59
		3274.59	-287.32	-1.83e-04	0.0	301.2	4060.67	307.84	18.92	401.92	-230.35	4360.99
194	9	3950.03	-214.89	-4.61e-03	-105.70	0.0	3687.52	377.55	18.17	358.35	-269.62	2972.03
		2972.03	-269.62	-1.76e-04	0.0	301.2	3687.52	271.85	18.17	358.35	-214.89	3950.03
194	10	4005.95	-213.55	-4.68e-03	-105.70	0.0	3731.75	383.59	17.37	368.31	-265.87	3009.77
		3009.77	-265.87	-1.62e-04	0.0	301.2	3731.75	277.89	17.37	368.31	-213.55	4005.95
194	11	3952.37	-218.36	-4.62e-03	-105.70	0.0	3675.54	377.28	18.48	358.68	-274.02	2975.17
		2975.17	-274.02	-1.65e-04	0.0	301.2	3675.54	271.59	18.48	358.68	-218.36	3952.37
195	1	5788.59	-202.09	-2.47e-03	-142.69	0.0	5705.18	276.24	33.13	590.64	-301.87	5171.44
		5171.44	-301.87	-3.19e-04	0.0	301.2	5705.18	133.55	33.13	590.64	-202.09	5788.59
195	2	5821.10	-200.52	-2.49e-03	-142.69	0.0	5720.85	277.68	32.41	596.04	-298.14	5199.63
		5199.63	-298.14	-3.10e-04	0.0	301.2	5720.85	134.99	32.41	596.04	-200.52	5821.10
195	3	5897.76	-203.32	-2.52e-03	-142.69	0.0	5791.74	282.26	31.92	604.73	-299.46	5262.49
		5262.49	-299.46	-2.96e-04	0.0	301.2	5791.74	139.57	31.92	604.73	-203.32	5897.76
195	4	5914.02	-208.23	-2.53e-03	-142.69	0.0	5769.07	282.02	30.36	606.02	-299.69	5279.47
		5279.47	-299.69	-6.69e-05	0.0	301.2	5769.07	139.33	30.36	606.02	-208.23	5914.02
195	5	6623.85	-103.73	-2.94e-03	-142.69	0.0	6231.02	353.75	54.92	715.83	-269.14	5773.26
		5773.26	-269.14	-1.86e-04	0.0	301.2	6231.02	211.06	54.92	715.83	-103.73	6623.85
195	6	5794.56	-207.43	-2.48e-03	-142.69	0.0	5681.68	276.21	33.43	592.14	-308.11	5177.52
		5177.52	-308.11	-3.01e-04	0.0	301.2	5681.68	133.52	33.43	592.14	-207.43	5794.56
195	7	5766.22	-214.95	-2.45e-03	-142.69	0.0	5681.60	274.38	32.25	585.89	-312.09	5154.68
		5154.68	-312.09	-2.76e-04	0.0	301.2	5681.60	131.69	32.25	585.89	-214.95	5766.22
195	8	4543.84	-156.15	-1.94e-03	-105.70	0.0	4461.66	215.54	24.64	465.88	-230.35	4053.81
		4053.81	-230.35	-2.30e-04	0.0	301.2	4461.66	109.85	24.64	465.88	-156.15	4543.84
195	9	4112.64	-144.79	-1.76e-03	-105.70	0.0	4052.09	198.32	23.27	419.75	-214.89	3674.46
		3674.46	-214.89	-2.18e-04	0.0	301.2	4052.09	92.63	23.27	419.75	-144.79	4112.64
195	10	4173.29	-145.47	-1.78e-03	-105.70	0.0	4100.18	201.67	22.60	427.58	-213.55	3725.05
		3725.05	-213.55	-2.05e-04	0.0	301.2	4100.18	95.97	22.60	427.58	-145.47	4173.29
195	11	4115.96	-147.75	-1.76e-03	-105.70	0.0	4039.03	198.30	23.44	420.59	-218.36	3677.84
		3677.84	-218.36	-2.08e-04	0.0	301.2	4039.03	92.61	23.44	420.59	-147.75	4115.96
196	1	5748.61	-89.23	-1.86e-03	-142.69	0.0	5758.48	4.75	37.47	648.85	-202.09	5748.56
		5547.98	-202.09	-3.59e-04	0.0	301.2	5758.48	-137.94	37.47	648.85	-89.23	5547.98
196	2	5782.55	-89.10	-1.87e-03	-142.69	0.0	5771.19	4.90	36.99	651.86	-200.52	5782.47
		5582.34	-200.52	-3.51e-04	0.0	301.2	5771.19	-137.79	36.99	651.86	-89.10	5582.34
196	3	5853.80	-92.28	-1.90e-03	-142.69	0.0	5844.65	5.47	36.87	658.57	-203.32	5853.61
		5655.20	-203.32	-3.40e-04	0.0	301.2	5844.65	-137.22	36.87	658.57	-92.28	5655.20
196	4	5874.83	-99.42	-1.90e-03	-142.69	0.0	5816.42	5.61	36.12	660.30	-208.23	5874.62
		5676.63	-208.23	-1.13e-04	0.0	301.2	5816.42	-137.08	36.12	660.30	-99.42	5676.63
196	5	6590.48	8.14	-2.01e-03	-142.69	0.0	6297.11	-16.76	37.14	723.21	-103.73	6590.48
		6325.10	-103.73	-2.34e-04	0.0	301.2	6297.11	-159.45	37.14	723.21	8.14	6325.10
196	6	5755.48	-94.24	-1.86e-03	-142.69	0.0	5734.38	5.16	37.58	651.25	-207.43	5755.35
		5555.99	-207.43	-3.42e-04	0.0	301.2	5734.38	-137.53	37.58	651.25	-94.24	5555.99
196	7	5727.28	-104.18	-1.86e-03	-142.69	0.0	5734.35	3.83	36.77	646.77	-214.95	5727.28
		5523.93	-214.95	-3.19e-04	0.0	301.2	5734.35	-138.86	36.77	646.77	-104.18	5523.93
196	8	4509.25	-70.47	-1.46e-03	-105.70	0.0	4502.48	2.30	28.45	507.30	-156.15	4509.25
		4356.99	-156.15	-2.64e-04	0.0	301.2	4502.48	-103.40	28.45	507.30	-70.47	4356.99
196	9	4084.99	-65.20	-1.32e-03	-105.70	0.0	4089.74	5.41	26.42	460.90	-144.79	4084.59
		3941.72	-144.79	-2.47e-04	0.0	301.2	4089.74	-100.28	26.42	460.90	-65.20	3941.72
196	10	4143.43	-66.89	-1.34e-03	-105.70	0.0	4137.61	5.81	26.09	466.30	-145.47	4142.95

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234							
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196	11	4001.29	-145.47	-2.37e-04	0.0	301.2	4137.61	-99.88	26.09	466.30	-66.89	4001.29
		4088.80	-67.98	-1.32e-03	-105.70	0.0	4076.35	5.64	26.48	462.23	-147.75	4088.36
		3946.17	-147.75	-2.38e-04	0.0	301.2	4076.35	-100.06	26.48	462.23	-67.98	3946.17
197	1	5878.25	36.84	-6.12e-03	-142.69	0.0	5322.39	-286.32	41.86	674.47	-89.23	5878.25
		4800.98	-89.23	-3.76e-04	0.0	301.2	5322.39	-429.01	41.86	674.47	36.84	4800.98
197	2	5914.29	36.04	-6.16e-03	-142.69	0.0	5331.77	-287.50	41.55	674.96	-89.10	5914.29
		4833.44	-89.10	-3.70e-04	0.0	301.2	5331.77	-430.19	41.55	674.96	36.04	4833.44
197	3	5987.06	33.64	-6.24e-03	-142.69	0.0	5400.81	-291.08	41.81	679.67	-92.28	5987.06
		4895.44	-92.28	-3.63e-04	0.0	301.2	5400.81	-433.77	41.81	679.67	33.64	4895.44
197	4	6010.92	27.31	-6.26e-03	-142.69	0.0	5370.08	-290.20	42.08	682.13	-99.42	6010.92
		4921.95	-99.42	-1.38e-04	0.0	301.2	5370.08	-432.89	42.08	682.13	27.31	4921.95
197	5	6710.66	129.20	-6.86e-03	-142.69	0.0	5767.04	-334.14	40.19	707.53	8.14	6710.66
		5489.32	8.14	-2.45e-04	0.0	301.2	5767.04	-476.83	40.19	707.53	129.20	5489.32
197	6	5886.04	32.64	-6.13e-03	-142.69	0.0	5298.99	-285.42	42.12	677.52	-94.24	5886.04
		4811.46	-94.24	-3.61e-04	0.0	301.2	5298.99	-428.11	42.12	677.52	32.64	4811.46
197	7	5854.16	20.99	-6.10e-03	-142.69	0.0	5299.29	-286.09	41.56	675.43	-104.18	5854.16
		4777.55	-104.18	-3.40e-04	0.0	301.2	5299.29	-428.78	41.56	675.43	20.99	4777.55
197	8	4612.10	26.55	-4.80e-03	-105.70	0.0	4160.57	-226.20	32.21	523.49	-70.47	4612.10
		3771.60	-70.47	-2.81e-04	0.0	301.2	4160.57	-331.90	32.21	523.49	26.55	3771.60
197	9	4176.66	24.12	-4.35e-03	-105.70	0.0	3779.85	-201.35	29.65	478.94	-65.20	4176.66
		3411.01	-65.20	-2.60e-04	0.0	301.2	3779.85	-307.05	29.65	478.94	24.12	3411.01
197	10	4237.11	22.34	-4.42e-03	-105.70	0.0	3823.42	-204.00	29.63	481.82	-66.89	4237.11
		3463.49	-66.89	-2.53e-04	0.0	301.2	3823.42	-309.69	29.63	481.82	22.34	3463.49
197	11	4180.99	21.79	-4.36e-03	-105.70	0.0	3766.85	-200.86	29.80	480.63	-67.98	4180.99
		3416.83	-67.98	-2.52e-04	0.0	301.2	3766.85	-306.55	29.80	480.63	21.79	3416.83
198	1	5523.79	181.45	-9.97e-03	-142.69	0.0	4365.47	-600.75	48.01	661.55	36.84	5523.79
		3499.45	36.84	-3.69e-04	0.0	301.2	4365.47	-743.44	48.01	661.55	181.45	3499.45
198	2	5558.01	180.42	-0.01	-142.69	0.0	4371.55	-603.19	47.94	659.55	36.04	5558.01
		3526.30	36.04	-3.66e-04	0.0	301.2	4371.55	-745.88	47.94	659.55	180.42	3526.30
198	3	5625.65	180.10	-0.01	-142.69	0.0	4428.94	-610.97	48.62	661.97	33.64	5625.65
		3570.51	33.64	-3.62e-04	0.0	301.2	4428.94	-753.66	48.62	661.97	180.10	3570.51
198	4	5651.19	179.30	-0.01	-142.69	0.0	4399.66	-609.35	50.46	664.51	27.31	5651.19
		3600.94	27.31	-1.40e-04	0.0	301.2	4399.66	-752.04	50.46	664.51	179.30	3600.94
198	5	6279.56	264.87	-0.01	-142.69	0.0	4701.34	-675.06	45.04	651.72	129.20	6279.56
		4031.37	129.20	-2.36e-04	0.0	301.2	4701.34	-817.75	45.04	651.72	264.87	4031.37
198	6	5532.50	179.92	-9.98e-03	-142.69	0.0	4344.57	-599.40	48.90	664.73	32.64	5532.50
		3512.22	32.64	-3.56e-04	0.0	301.2	4344.57	-742.09	48.90	664.73	179.92	3512.22
198	7	5499.05	166.80	-9.93e-03	-142.69	0.0	4345.07	-599.26	48.41	665.59	20.99	5499.05
		3479.20	20.99	-3.38e-04	0.0	301.2	4345.07	-741.95	48.41	665.59	166.80	3479.20
198	8	4333.68	139.13	-7.82e-03	-105.70	0.0	3411.76	-472.69	37.38	509.85	26.55	4333.68
		2750.76	26.55	-2.81e-04	0.0	301.2	3411.76	-578.39	37.38	509.85	139.13	2750.76
198	9	3924.64	127.17	-7.08e-03	-105.70	0.0	3100.21	-424.67	34.21	469.56	24.12	3924.64
		2486.35	24.12	-2.57e-04	0.0	301.2	3100.21	-530.37	34.21	469.56	127.17	2486.35
198	10	3981.23	126.42	-7.19e-03	-105.70	0.0	3135.47	-430.35	34.55	469.80	22.34	3981.23
		2525.82	22.34	-2.53e-04	0.0	301.2	3135.47	-536.05	34.55	469.80	126.42	2525.82
198	11	3929.48	126.32	-7.09e-03	-105.70	0.0	3088.60	-423.92	34.70	471.33	21.79	3929.48
		2493.44	21.79	-2.49e-04	0.0	301.2	3088.60	-529.62	34.70	471.33	126.32	2493.44
199	1	4660.24	216.87	-0.01	-142.69	0.0	2832.46	-945.12	11.76	641.16	181.45	4660.24
		1598.66	181.45	-3.10e-04	0.0	301.2	2832.46	-1087.81	11.76	641.16	216.87	1598.66
199	2	4689.02	215.52	-0.01	-142.69	0.0	2835.32	-948.62	11.65	637.22	180.42	4689.02
		1616.90	180.42	-3.09e-04	0.0	301.2	2835.32	-1091.31	11.65	637.22	215.52	1616.90
199	3	4744.98	216.80	-0.01	-142.69	0.0	2873.50	-960.56	12.19	637.36	180.10	4744.98
		1636.89	180.10	-3.08e-04	0.0	301.2	2873.50	-1103.25	12.19	637.36	216.80	1636.89
199	4	4769.83	222.05	-0.01	-142.69	0.0	2850.45	-958.94	14.19	639.62	179.30	4769.83
		1666.62	179.30	-8.66e-05	0.0	301.2	2850.45	-1101.63	14.19	639.62	222.05	1666.62
199	5	5279.96	264.87	-0.01	-142.69	0.0	3038.16	-1042.35	-0.05	599.01	264.87	5279.96
		1925.51	264.73	-1.71e-04	0.0	301.2	3038.16	-1185.04	-0.05	599.01	264.73	1925.51
199	6	4668.99	218.47	-0.01	-142.69	0.0	2816.48	-943.62	12.80	644.22	179.92	4668.99
		1611.91	179.92	-2.97e-04	0.0	301.2	2816.48	-1086.31	12.80	644.22	218.47	1611.91
199	7	4637.26	207.51	-0.01	-142.69	0.0	2816.38	-942.35	13.51	647.62	166.80	4637.26
		1584.02	166.80	-2.83e-04	0.0	301.2	2816.38	-1085.04	13.51	647.62	207.51	1584.02
199	8	3655.22	167.06	-0.01	-105.70	0.0	2213.36	-742.02	9.27	491.01	139.13	3655.22
		1261.09	139.13	-2.39e-04	0.0	301.2	2213.36	-847.71	9.27	491.01	167.06	1261.09
199	9	3310.89	153.12	-9.22e-03	-105.70	0.0	2011.53	-669.24	8.62	454.78	127.17	3310.89
		1135.95	127.17	-2.16e-04	0.0	301.2	2011.53	-774.94	8.62	454.78	153.12	1135.95
199	10	3357.97	153.08	-9.36e-03	-105.70	0.0	2034.33	-677.82	8.85	452.67	126.42	3357.97
		1157.19	126.42	-2.15e-04	0.0	301.2	2034.33	-783.52	8.85	452.67	153.08	1157.19
199	11	3315.75	154.01	-9.23e-03	-105.70	0.0	2002.65	-668.41	9.19	456.48	126.32	3315.75
		1143.31	126.32	-2.09e-04	0.0	301.2	2002.65	-774.11	9.19	456.48	154.01	1143.31
200	1	3170.22	216.87	-0.01	-142.69	0.0	772.07	-1311.68	-17.68	601.05	216.87	3170.22
		-995.44	163.61	-2.51e-04	0.0	301.2	772.07	-1454.37	-17.68	601.05	163.61	-995.44
200	2	3191.53	215.52	-0.01	-142.69	0.0	770.73	-1315.75	-17.57	595.60	215.52	3191.53

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200	3	-986.40	162.61	-2.53e-04	0.0	301.2	770.73	-1458.44	-17.57	595.60	162.61	-986.40
		3229.54	216.80	-0.01	-142.69	0.0	782.21	-1331.56	-17.76	593.48	216.80	3229.54
		-996.00	163.30	-2.53e-04	0.0	301.2	782.21	-1474.25	-17.76	593.48	163.30	-996.00
200	4	3244.41	222.05	-0.02	-142.69	0.0	775.70	-1331.84	-16.04	593.07	222.05	3244.41
		-982.00	173.73	-3.33e-05	0.0	301.2	775.70	-1474.53	-16.04	593.07	173.73	-982.00
200	5	3599.95	264.73	-0.02	-142.69	0.0	835.71	-1425.63	-33.86	531.89	264.73	3599.95
		-908.95	162.74	-1.17e-04	0.0	301.2	835.71	-1568.32	-33.86	531.89	162.74	-908.95
200	6	3175.08	218.47	-0.01	-142.69	0.0	766.03	-1310.78	-16.38	602.84	218.47	3175.08
		-987.88	169.14	-2.39e-04	0.0	301.2	766.03	-1453.47	-16.38	602.84	169.14	-987.88
200	7	3151.13	207.51	-0.01	-142.69	0.0	761.84	-1307.96	-13.93	608.61	207.51	3151.13
		-1003.34	165.55	-2.27e-04	0.0	301.2	761.84	-1450.65	-13.93	608.61	165.55	-1003.34
200	8	2487.63	167.06	-0.01	-105.70	0.0	602.38	-1027.53	-13.74	457.46	167.06	2487.63
		-766.47	125.67	-1.96e-04	0.0	301.2	602.38	-1133.23	-13.74	457.46	125.67	-766.47
200	9	2252.43	153.12	-0.01	-105.70	0.0	547.96	-929.83	-12.24	425.82	153.12	2252.43
		-707.39	116.26	-1.75e-04	0.0	301.2	547.96	-1035.52	-12.24	425.82	116.26	-707.39
200	10	2285.38	153.08	-0.01	-105.70	0.0	553.59	-940.87	-12.28	421.61	153.08	2285.38
		-707.70	116.09	-1.76e-04	0.0	301.2	553.59	-1046.57	-12.28	421.61	116.09	-707.70
200	11	2255.13	154.01	-0.01	-105.70	0.0	544.60	-929.33	-11.51	426.81	154.01	2255.13
		-703.19	119.34	-1.68e-04	0.0	301.2	544.60	-1035.03	-11.51	426.81	119.34	-703.19
201	1	5124.92	-205.05	-0.02	-149.80	0.0	3159.90	1143.25	13.41	705.50	-247.46	1746.78
		1746.78	-247.46	3.06e-04	0.0	316.2	3159.90	993.46	13.41	705.50	-205.05	5124.92
201	2	5462.93	-295.38	-0.02	-149.80	0.0	3251.86	1181.20	2.19	652.00	-302.30	1964.80
		1964.80	-302.30	3.08e-05	0.0	316.2	3251.86	1031.40	2.19	652.00	-295.38	5462.93
201	3	5247.26	-206.86	-0.02	-149.80	0.0	3199.58	1161.69	14.10	699.03	-251.46	1810.82
		1810.82	-251.46	-3.75e-04	0.0	316.2	3199.58	1011.89	14.10	699.03	-206.86	5247.26
201	4	5226.16	-205.61	-0.02	-149.80	0.0	3207.71	1160.66	13.38	700.27	-247.91	1792.98
		1792.98	-247.91	3.69e-04	0.0	316.2	3207.71	1010.86	13.38	700.27	-205.61	5226.16
201	5	5136.95	-204.63	-0.02	-149.80	0.0	3159.37	1144.32	13.15	702.88	-246.20	1755.46
		1755.46	-246.20	3.77e-04	0.0	316.2	3159.37	994.52	13.15	702.88	-204.63	5136.95
201	6	5120.23	-205.87	-0.02	-149.80	0.0	3166.50	1143.39	13.12	704.83	-247.35	1741.67
		1741.67	-247.35	3.78e-04	0.0	316.2	3166.50	993.59	13.12	704.83	-205.87	5120.23
201	7	5109.82	-193.96	-0.02	-149.80	0.0	3151.28	1141.81	14.33	708.68	-239.26	1736.25
		1736.25	-239.26	3.60e-04	0.0	316.2	3151.28	992.01	14.33	708.68	-193.96	5109.82
201	8	4043.32	-159.44	-0.01	-110.96	0.0	2463.21	892.64	10.85	538.55	-193.75	1396.24
		1396.24	-193.75	-3.47e-04	0.0	316.2	2463.21	781.68	10.85	538.55	-159.44	4043.32
201	9	3642.99	-144.74	-0.01	-110.96	0.0	2245.51	814.71	9.65	499.93	-175.26	1242.31
		1242.31	-175.26	2.24e-04	0.0	316.2	2245.51	703.75	9.65	499.93	-144.74	3642.99
201	10	3710.96	-145.75	-0.01	-110.96	0.0	2267.56	824.95	10.04	496.34	-177.48	1277.89
		1277.89	-177.48	-1.54e-04	0.0	316.2	2267.56	713.99	10.04	496.34	-145.75	3710.96
201	11	3640.39	-145.20	-0.01	-110.96	0.0	2249.18	814.78	9.49	499.56	-175.20	1239.47
		1239.47	-175.20	2.65e-04	0.0	316.2	2249.18	703.82	9.49	499.56	-145.20	3640.39
202	1	6070.83	-43.80	-0.01	-149.80	0.0	4844.51	778.72	51.00	731.35	-205.05	3845.34
		3845.34	-205.05	3.79e-04	0.0	316.2	4844.51	628.93	51.00	731.35	-43.80	6070.83
202	2	6458.56	-144.94	-0.01	-149.80	0.0	4976.70	801.77	47.58	705.46	-295.38	4160.18
		4160.18	-295.38	1.09e-04	0.0	316.2	4976.70	651.98	47.58	705.46	-144.94	6458.56
202	3	6215.88	-42.01	-0.01	-149.80	0.0	4909.54	790.79	52.14	730.80	-206.86	3952.22
		3952.22	-206.86	-3.08e-04	0.0	316.2	4909.54	641.00	52.14	730.80	-42.01	6215.88
202	4	6193.06	-43.38	-0.01	-149.80	0.0	4917.96	790.48	51.31	731.12	-205.61	3930.38
		3930.38	-205.61	4.36e-04	0.0	316.2	4917.96	640.69	51.31	731.12	-43.38	6193.06
202	5	6085.18	-44.40	-0.01	-149.80	0.0	4844.71	779.62	50.68	729.62	-204.63	3856.85
		3856.85	-204.63	4.48e-04	0.0	316.2	4844.71	629.82	50.68	729.62	-44.40	6085.18
202	6	6065.72	-45.43	-0.01	-149.80	0.0	4852.36	778.91	50.74	730.54	-205.87	3839.65
		3839.65	-205.87	4.51e-04	0.0	316.2	4852.36	629.11	50.74	730.54	-45.43	6065.72
202	7	6055.12	-33.03	-0.01	-149.80	0.0	4833.99	778.22	50.90	732.90	-193.96	3831.22
		3831.22	-193.96	4.28e-04	0.0	316.2	4833.99	628.42	50.90	732.90	-33.03	6055.12
202	8	4789.74	-32.44	-9.50e-03	-110.96	0.0	3780.41	606.88	40.16	562.92	-159.44	3046.20
		3046.20	-159.44	-2.95e-04	0.0	316.2	3780.41	495.92	40.16	562.92	-32.44	4789.74
202	9	4315.51	-30.09	-8.57e-03	-110.96	0.0	3442.36	555.73	36.26	518.78	-144.74	2733.72
		2733.72	-144.74	2.75e-04	0.0	316.2	3442.36	444.77	36.26	518.78	-30.09	4315.51
202	10	4396.09	-29.09	-8.73e-03	-110.96	0.0	3478.48	562.44	36.89	518.47	-145.75	2793.10
		2793.10	-145.75	-1.07e-04	0.0	316.2	3478.48	451.48	36.89	518.47	-29.09	4396.09
202	11	4312.67	-30.99	-8.57e-03	-110.96	0.0	3446.72	555.83	36.12	518.33	-145.20	2730.56
		2730.56	-145.20	3.15e-04	0.0	316.2	3446.72	444.87	36.12	518.33	-30.99	4312.67
203	1	6459.38	94.60	-7.40e-03	-149.80	0.0	5884.15	447.12	43.77	746.11	-43.80	5282.40
		5282.40	-43.80	3.89e-04	0.0	316.2	5884.15	297.33	43.77	746.11	94.60	6459.38
203	2	6853.13	1.64	-7.75e-03	-149.80	0.0	6046.18	453.10	46.36	753.39	-144.94	5657.27
		5657.27	-144.94	1.37e-04	0.0	316.2	6046.18	303.30	46.36	753.39	1.64	6853.13
203	3	6612.39	96.19	-7.57e-03	-149.80	0.0	5967.87	452.77	43.71	752.23	-42.01	5417.55
		5417.55	-42.01	-3.05e-04	0.0	316.2	5967.87	302.98	43.71	752.23	96.19	6612.39
203	4	6590.62	94.62	-7.55e-03	-149.80	0.0	5974.44	452.75	43.64	751.71	-43.38	5395.85
		5395.85	-43.38	4.40e-04	0.0	316.2	5974.44	302.95	43.64	751.71	94.62	6590.62
203	5	6474.57	92.83	-7.41e-03	-149.80	0.0	5885.71	447.68	43.40	745.57	-44.40	5295.82

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203	6	5295.82	-44.40	4.57e-04	0.0	316.2	5885.71	297.89	43.40	745.57	92.83	6474.57
		6454.63	92.78	-7.39e-03	-149.80	0.0	5892.09	447.26	43.71	745.20	-45.43	5277.23
		5277.23	-45.43	4.63e-04	0.0	316.2	5892.09	297.46	43.71	745.20	92.78	6454.63
203	7	6444.70	103.77	-7.38e-03	-149.80	0.0	5872.75	447.40	43.26	745.72	-33.03	5266.86
		5266.86	-33.03	4.35e-04	0.0	316.2	5872.75	297.60	43.26	745.72	103.77	6444.70
203	8	5095.22	74.04	-5.83e-03	-110.96	0.0	4595.78	346.44	33.68	579.44	-32.44	4175.20
		4175.20	-32.44	-2.93e-04	0.0	316.2	4595.78	235.48	33.68	579.44	74.04	5095.22
203	9	4591.79	67.92	-5.26e-03	-110.96	0.0	4181.11	320.11	31.00	529.68	-30.09	3755.04
		3755.04	-30.09	2.81e-04	0.0	316.2	4181.11	209.15	31.00	529.68	67.92	4591.79
203	10	4676.80	68.80	-5.35e-03	-110.96	0.0	4227.62	323.25	30.96	533.09	-29.09	3830.12
		3830.12	-29.09	-1.05e-04	0.0	316.2	4227.62	212.29	30.96	533.09	68.80	4676.80
203	11	4589.16	66.91	-5.26e-03	-110.96	0.0	4185.52	320.18	30.96	529.18	-30.99	3752.17
		3752.17	-30.99	3.22e-04	0.0	316.2	4185.52	209.22	30.96	529.18	66.91	4589.16
204	1	6318.07	219.85	-2.23e-03	-149.80	0.0	6346.40	141.12	39.61	717.31	94.60	6107.90
		6107.90	94.60	3.69e-04	0.0	316.2	6346.40	-8.68	39.61	717.31	219.85	6317.28
204	2	6678.84	145.63	-2.27e-03	-149.80	0.0	6525.49	130.57	45.54	758.48	1.64	6498.89
		6498.89	1.64	1.31e-04	0.0	316.2	6525.49	-19.22	45.54	758.48	145.63	6674.94
204	3	6464.28	217.44	-2.28e-03	-149.80	0.0	6442.12	140.36	38.34	729.69	96.19	6256.34
		6256.34	96.19	-3.32e-04	0.0	316.2	6442.12	-9.43	38.34	729.69	217.44	6463.34
204	4	6445.70	218.77	-2.28e-03	-149.80	0.0	6444.77	140.46	39.26	728.56	94.62	6237.47
		6237.47	94.62	4.15e-04	0.0	316.2	6444.77	-9.34	39.26	728.56	218.77	6444.78
204	5	6332.29	217.09	-2.24e-03	-149.80	0.0	6349.82	141.21	39.30	718.08	92.83	6121.85
		6121.85	92.83	4.37e-04	0.0	316.2	6349.82	-8.59	39.30	718.08	217.09	6331.52
204	6	6314.21	218.36	-2.23e-03	-149.80	0.0	6353.42	141.15	39.71	716.45	92.78	6103.93
		6103.93	92.78	4.44e-04	0.0	316.2	6353.42	-8.65	39.71	716.45	218.36	6314.22
204	7	6305.37	226.84	-2.23e-03	-149.80	0.0	6335.19	141.97	38.92	715.21	103.77	6092.68
		6092.68	103.77	4.12e-04	0.0	316.2	6335.19	-7.83	38.92	715.21	226.84	6304.75
204	8	4980.59	167.32	-1.76e-03	-110.96	0.0	4961.31	105.74	29.50	562.14	74.04	4821.33
		4821.33	74.04	-3.13e-04	0.0	316.2	4961.31	-5.22	29.50	562.14	167.32	4980.24
204	9	4491.69	156.38	-1.59e-03	-110.96	0.0	4509.78	102.61	27.98	509.62	67.92	4341.69
		4341.69	67.92	2.67e-04	0.0	316.2	4509.78	-8.35	27.98	509.62	156.38	4490.72
204	10	4572.92	155.04	-1.61e-03	-110.96	0.0	4562.96	102.20	27.27	516.50	68.80	4424.16
		4424.16	68.80	-1.23e-04	0.0	316.2	4562.96	-8.76	27.27	516.50	155.04	4571.87
204	11	4489.54	155.56	-1.59e-03	-110.96	0.0	4513.68	102.63	28.03	509.15	66.91	4339.48
		4339.48	66.91	3.08e-04	0.0	316.2	4513.68	-8.33	28.03	509.15	155.56	4488.58
205	1	6376.41	327.61	-3.02e-03	-149.80	0.0	6268.08	-143.56	34.08	653.74	219.85	6376.41
		5685.66	219.85	3.19e-04	0.0	316.2	6268.08	-293.35	34.08	653.74	327.61	5685.66
205	2	6739.38	275.91	-3.29e-03	-149.80	0.0	6451.69	-167.11	41.20	723.26	145.63	6739.38
		5974.14	145.63	9.09e-05	0.0	316.2	6451.69	-316.91	41.20	723.26	275.91	5974.14
205	3	6524.07	317.29	-3.10e-03	-149.80	0.0	6367.95	-150.70	31.58	672.29	217.44	6524.07
		5810.71	217.44	-3.87e-04	0.0	316.2	6367.95	-300.50	31.58	672.29	317.29	5810.71
205	4	6509.37	324.93	-3.08e-03	-149.80	0.0	6365.41	-150.31	33.57	670.35	218.77	6509.37
		5797.25	218.77	3.60e-04	0.0	316.2	6365.41	-300.11	33.57	670.35	324.93	5797.25
205	5	6389.53	324.21	-3.03e-03	-149.80	0.0	6273.31	-144.00	33.88	655.80	217.09	6389.53
		5697.39	217.09	3.88e-04	0.0	316.2	6273.31	-293.79	33.88	655.80	324.21	5697.39
205	6	6373.94	326.92	-3.02e-03	-149.80	0.0	6273.44	-143.63	34.33	653.00	218.36	6373.94
		5682.95	218.36	3.95e-04	0.0	316.2	6273.44	-293.43	34.33	653.00	326.92	5682.95
205	7	6362.81	332.29	-3.01e-03	-149.80	0.0	6257.89	-142.33	33.35	650.31	226.84	6362.81
		5675.93	226.84	3.60e-04	0.0	316.2	6257.89	-292.13	33.35	650.31	332.29	5675.93
205	8	5027.34	243.90	-2.39e-03	-110.96	0.0	4904.46	-118.52	24.22	518.00	167.32	5027.34
		4477.16	167.32	-3.55e-04	0.0	316.2	4904.46	-229.48	24.22	518.00	243.90	4477.16
205	9	4532.40	232.34	-2.15e-03	-110.96	0.0	4454.35	-99.77	24.02	464.91	156.38	4532.40
		4041.51	156.38	2.31e-04	0.0	316.2	4454.35	-210.73	24.02	464.91	232.34	4041.51
205	10	4614.43	226.61	-2.19e-03	-110.96	0.0	4509.84	-103.74	22.63	475.21	155.04	4614.43
		4110.98	155.04	-1.62e-04	0.0	316.2	4509.84	-214.70	22.63	475.21	226.61	4110.98
205	11	4531.02	231.96	-2.15e-03	-110.96	0.0	4457.33	-99.81	24.16	464.49	155.56	4531.02
		4040.00	155.56	2.72e-04	0.0	316.2	4457.33	-210.77	24.16	464.49	231.96	4040.00
206	1	6124.93	412.90	-7.90e-03	-149.80	0.0	5689.36	-407.68	26.97	558.18	327.61	6124.93
		4599.02	327.61	2.46e-04	0.0	316.2	5689.36	-557.48	26.97	558.18	412.90	4599.02
206	2	6429.49	380.85	-8.41e-03	-149.80	0.0	5861.04	-440.12	33.19	648.19	275.91	6429.49
		4801.00	275.91	2.35e-05	0.0	316.2	5861.04	-589.91	33.19	648.19	380.85	4801.00
206	3	6259.78	395.12	-8.08e-03	-149.80	0.0	5782.81	-421.06	24.61	581.91	317.29	6259.78
		4691.55	317.29	4.61e-04	0.0	316.2	5782.81	-570.86	24.61	581.91	395.12	4691.55
206	4	6248.60	409.54	-8.06e-03	-149.80	0.0	5776.80	-419.97	26.76	579.24	324.93	6248.60
		4683.84	324.93	2.82e-04	0.0	316.2	5776.80	-569.76	26.76	579.24	409.54	4683.84
206	5	6136.08	410.10	-7.92e-03	-149.80	0.0	5695.71	-408.65	27.16	561.15	324.21	6136.08
		4607.12	324.21	3.14e-04	0.0	316.2	5695.71	-558.44	27.16	561.15	410.10	4607.12
206	6	6123.82	413.47	-7.90e-03	-149.80	0.0	5692.76	-407.83	27.37	557.52	326.92	6123.82
		4597.42	326.92	3.21e-04	0.0	316.2	5692.76	-557.63	27.37	557.52	413.47	4597.42
206	7	6113.75	415.72	-7.88e-03	-149.80	0.0	5680.82	-406.26	26.38	553.77	332.29	6113.75
		4592.33	332.29	2.85e-04	0.0	316.2	5680.82	-556.05	26.38	553.77	415.72	4592.33
206	8	4823.47	303.49	-6.23e-03	-110.96	0.0	4453.91	-326.82	18.85	448.39	243.90	4823.47

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		3614.62	243.90	4.12e-04	0.0	316.2	4453.91	-437.78	18.85	448.39	303.49	3614.62
206	9	4353.40	292.45	-5.62e-03	-110.96	0.0	4043.25	-287.57	19.01	397.50	232.34	4353.40
		3268.68	232.34	1.78e-04	0.0	316.2	4043.25	-398.53	19.01	397.50	292.45	3268.68
206	10	4428.32	282.57	-5.72e-03	-110.96	0.0	4095.17	-295.00	17.70	410.68	226.61	4428.32
		3320.09	226.61	2.15e-04	0.0	316.2	4095.17	-405.96	17.70	410.68	282.57	3320.09
206	11	4352.78	292.77	-5.62e-03	-110.96	0.0	4045.14	-287.65	19.23	397.13	231.96	4352.78
		3267.79	231.96	2.20e-04	0.0	316.2	4045.14	-398.61	19.23	397.13	292.77	3267.79
207	1	5392.28	443.88	-0.01	-149.80	0.0	4642.64	-649.71	9.80	437.33	412.90	5392.28
		3101.06	412.90	1.55e-04	0.0	316.2	4642.64	-799.51	9.80	437.33	443.88	3101.06
207	2	5620.28	436.65	-0.01	-149.80	0.0	4786.87	-687.37	17.65	536.29	380.85	5620.28
		3209.98	380.85	5.95e-05	0.0	316.2	4786.87	-837.17	17.65	536.29	436.65	3209.98
207	3	5500.19	442.76	-0.01	-149.80	0.0	4721.88	-668.62	15.07	460.22	395.12	5500.19
		3149.18	395.12	5.43e-04	0.0	316.2	4721.88	-818.42	15.07	460.22	442.76	3149.18
207	4	5494.59	443.68	-0.01	-149.80	0.0	4712.30	-666.29	10.80	460.92	409.54	5494.59
		3150.95	409.54	-1.91e-04	0.0	316.2	4712.30	-816.09	10.80	460.92	443.68	3150.95
207	5	5400.95	443.04	-0.01	-149.80	0.0	4648.63	-651.08	10.42	440.80	410.10	5400.95
		3105.41	410.10	-2.25e-04	0.0	316.2	4648.63	-800.87	10.42	440.80	443.04	3105.41
207	6	5392.37	444.37	-0.01	-149.80	0.0	4643.92	-649.84	9.77	437.04	413.47	5392.37
		3100.75	413.47	-2.30e-04	0.0	316.2	4643.92	-799.63	9.77	437.04	444.37	3100.75
207	7	5384.05	444.84	-0.01	-149.80	0.0	4635.96	-648.18	9.21	432.47	415.72	5384.05
		3097.67	415.72	-1.93e-04	0.0	316.2	4635.96	-797.98	9.21	432.47	444.84	3097.67
207	8	4237.76	341.54	-9.47e-03	-110.96	0.0	3637.03	-517.56	12.03	354.22	303.49	4237.76
		2425.79	303.49	4.74e-04	0.0	316.2	3637.03	-628.52	12.03	354.22	341.54	2425.79
207	9	3832.26	314.26	-8.55e-03	-110.96	0.0	3299.39	-459.65	6.90	312.15	292.45	3832.26
		2203.42	292.45	1.13e-04	0.0	316.2	3299.39	-570.61	6.90	312.15	314.26	2203.42
207	10	3892.21	313.64	-8.70e-03	-110.96	0.0	3343.42	-470.16	9.83	324.86	282.57	3892.21
		2230.15	282.57	2.74e-04	0.0	316.2	3343.42	-581.12	9.83	324.86	313.64	2230.15
207	11	3832.31	314.54	-8.55e-03	-110.96	0.0	3300.11	-459.72	6.89	311.99	292.77	3832.31
		2203.24	292.77	-1.55e-04	0.0	316.2	3300.11	-570.68	6.89	311.99	314.54	2203.24
208	1	4233.33	443.88	-0.02	-149.80	0.0	3148.93	-872.48	-29.51	305.63	443.88	4233.33
		1237.73	350.56	6.58e-05	0.0	316.2	3148.93	-1022.27	-29.51	305.63	350.56	1237.73
208	2	4384.70	436.65	-0.02	-149.80	0.0	3242.08	-911.79	-24.18	407.36	436.65	4384.70
		1264.80	360.20	1.47e-04	0.0	316.2	3242.08	-1061.58	-24.18	407.36	360.20	1264.80
208	3	4314.23	442.76	-0.02	-149.80	0.0	3188.42	-891.71	-30.46	332.78	442.76	4314.23
		1257.82	346.45	6.34e-04	0.0	316.2	3188.42	-1041.50	-30.46	332.78	346.45	1257.82
208	4	4305.54	443.68	-0.02	-149.80	0.0	3192.69	-890.85	-28.72	330.16	443.68	4305.54
		1251.83	352.88	-1.01e-04	0.0	316.2	3192.69	-1040.65	-28.72	330.16	352.88	1251.83
208	5	4239.65	443.04	-0.02	-149.80	0.0	3152.64	-874.01	-29.27	309.68	443.04	4239.65
		1239.21	350.48	-1.35e-04	0.0	316.2	3152.64	-1023.80	-29.27	309.68	350.48	1239.21
208	6	4233.58	444.37	-0.02	-149.80	0.0	3149.50	-872.60	-29.57	305.41	444.37	4233.58
		1237.58	350.88	-1.40e-04	0.0	316.2	3149.50	-1022.40	-29.57	305.41	350.88	1237.58
208	7	4227.90	444.84	-0.02	-149.80	0.0	3144.78	-870.90	-30.00	300.64	444.84	4227.90
		1237.27	349.98	-1.03e-04	0.0	316.2	3144.78	-1020.70	-30.00	300.64	349.98	1237.27
208	8	3324.30	341.54	-0.01	-110.96	0.0	2454.91	-689.15	-23.55	256.03	341.54	3324.30
		969.78	267.07	5.45e-04	0.0	316.2	2454.91	-800.11	-23.55	256.03	267.07	969.78
208	9	3008.00	314.26	-0.01	-110.96	0.0	2237.70	-617.95	-20.95	219.12	314.26	3008.00
		878.62	248.02	5.00e-05	0.0	316.2	2237.70	-728.91	-20.95	219.12	248.02	878.62
208	10	3052.94	313.64	-0.01	-110.96	0.0	2259.64	-628.63	-21.48	234.20	313.64	3052.94
		889.78	245.74	3.39e-04	0.0	316.2	2259.64	-739.59	-21.48	234.20	245.74	889.78
208	11	3008.14	314.54	-0.01	-110.96	0.0	2238.02	-618.02	-20.98	219.00	314.54	3008.14
		878.54	248.20	-9.13e-05	0.0	316.2	2238.02	-728.98	-20.98	219.00	248.20	878.54
209	1	2760.38	350.56	-0.02	-149.80	0.0	1166.39	-1106.29	-89.49	199.42	350.56	2760.38
		-974.54	67.60	-1.69e-05	0.0	316.2	1166.39	-1256.09	-89.49	199.42	67.60	-974.54
209	2	2837.09	360.20	-0.02	-149.80	0.0	1197.61	-1145.58	-82.91	294.67	360.20	2837.09
		-1022.04	98.03	2.06e-04	0.0	316.2	1197.61	-1295.37	-82.91	294.67	98.03	-1022.04
209	3	2791.69	346.45	-0.02	-149.80	0.0	1188.92	-1121.81	-86.97	217.79	346.45	2791.69
		-992.29	71.45	6.84e-04	0.0	316.2	1188.92	-1271.60	-86.97	217.79	71.45	-992.29
209	4	2796.92	352.88	-0.02	-149.80	0.0	1181.56	-1123.58	-88.80	221.46	352.88	2796.92
		-992.67	72.08	-4.21e-05	0.0	316.2	1181.56	-1273.38	-88.80	221.46	72.08	-992.67
209	5	2763.68	350.48	-0.02	-149.80	0.0	1167.93	-1107.95	-89.03	203.27	350.48	2763.68
		-976.50	68.96	-7.56e-05	0.0	316.2	1167.93	-1257.75	-89.03	203.27	68.96	-976.50
209	6	2760.59	350.88	-0.02	-149.80	0.0	1166.47	-1106.38	-89.59	199.26	350.88	2760.59
		-974.60	67.58	-8.00e-05	0.0	316.2	1166.47	-1256.17	-89.59	199.26	67.58	-974.60
209	7	2757.44	349.98	-0.02	-149.80	0.0	1165.31	-1104.68	-89.85	194.56	349.98	2757.44
		-972.39	65.86	-4.34e-05	0.0	316.2	1165.31	-1254.48	-89.85	194.56	65.86	-972.39
209	8	2150.36	267.07	-0.01	-110.96	0.0	916.12	-865.88	-67.09	166.58	267.07	2150.36
		-762.97	54.91	5.82e-04	0.0	316.2	916.12	-976.84	-67.09	166.58	54.91	-762.97
209	9	1960.38	248.02	-0.01	-110.96	0.0	828.82	-784.00	-63.17	143.98	248.02	1960.38
		-694.06	48.29	-1.37e-05	0.0	316.2	828.82	-894.96	-63.17	143.98	48.29	-694.06
209	10	1977.78	245.74	-0.01	-110.96	0.0	841.34	-792.62	-61.77	154.18	245.74	1977.78
		-703.92	50.43	3.76e-04	0.0	316.2	841.34	-903.58	-61.77	154.18	50.43	-703.92
209	11	1960.50	248.20	-0.01	-110.96	0.0	828.87	-784.05	-63.23	143.88	248.20	1960.50

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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210	1	-694.10	48.28	-4.86e-05	0.0	316.2	828.87	-895.01	-63.23	143.88	48.28	-694.10
		4635.87	-182.03	-0.01	-142.69	0.0	2860.86	1089.09	15.47	641.10	-228.64	1570.42
		1570.42	-228.64	-3.10e-04	0.0	301.2	2860.86	946.40	15.47	641.10	-182.03	4635.87
210	2	4650.94	-180.91	-0.01	-142.69	0.0	2853.28	1089.79	15.49	639.57	-227.56	1583.38
		1583.38	-227.56	-3.12e-04	0.0	301.2	2853.28	947.10	15.49	639.57	-180.91	4650.94
210	3	4735.72	-183.10	-0.01	-142.69	0.0	2897.81	1105.17	15.56	636.13	-229.97	1621.83
		1621.83	-229.97	-3.35e-04	0.0	301.2	2897.81	962.48	15.56	636.13	-183.10	4735.72
210	4	4729.99	-179.37	-0.01	-142.69	0.0	2884.67	1104.35	15.78	639.72	-226.90	1618.59
		1618.59	-226.90	-5.66e-04	0.0	301.2	2884.67	961.66	15.78	639.72	-179.37	4729.99
210	5	5226.38	-245.61	-0.01	-142.69	0.0	3032.32	1181.81	4.83	604.82	-260.16	1881.65
		1881.65	-260.16	-5.65e-04	0.0	301.2	3032.32	1039.12	4.83	604.82	-245.61	5226.38
210	6	4637.94	-179.38	-0.01	-142.69	0.0	2843.64	1087.98	15.67	644.44	-226.58	1575.82
		1575.82	-226.58	-5.71e-04	0.0	301.2	2843.64	945.29	15.67	644.44	-179.38	4637.94
210	7	4627.78	-171.22	-0.01	-142.69	0.0	2847.40	1087.68	16.62	644.18	-221.29	1566.58
		1566.58	-221.29	-3.24e-04	0.0	301.2	2847.40	944.99	16.62	644.18	-171.22	4627.78
210	8	3647.75	-141.01	-0.01	-105.70	0.0	2231.38	849.13	11.91	490.30	-176.89	1249.34
		1249.34	-176.89	-2.57e-04	0.0	301.2	2231.38	743.43	11.91	490.30	-141.01	3647.75
210	9	3296.29	-128.51	-9.10e-03	-105.70	0.0	2032.22	776.06	11.14	454.17	-162.06	1117.97
		1117.97	-162.06	-2.24e-04	0.0	301.2	2032.22	670.37	11.14	454.17	-128.51	3296.29
210	10	3351.74	-129.11	-9.24e-03	-105.70	0.0	2052.74	785.00	11.19	451.41	-162.81	1146.53
		1146.53	-162.81	-2.38e-04	0.0	301.2	2052.74	679.30	11.19	451.41	-129.11	3351.74
210	11	3297.44	-127.04	-9.11e-03	-105.70	0.0	2022.65	775.45	11.25	456.02	-160.92	1120.97
		1120.97	-160.92	-3.69e-04	0.0	301.2	2022.65	669.75	11.25	456.02	-127.04	3297.44
211	1	5501.20	-43.17	-9.81e-03	-142.69	0.0	4396.63	744.63	46.10	664.94	-182.03	3473.26
		3473.26	-182.03	-3.67e-04	0.0	301.2	4396.63	601.94	46.10	664.94	-43.17	5501.20
211	2	5518.47	-42.44	-9.83e-03	-142.69	0.0	4388.32	745.16	45.97	664.38	-180.91	3488.94
		3488.94	-180.91	-3.68e-04	0.0	301.2	4388.32	602.47	45.97	664.38	-42.44	5518.47
211	3	5619.81	-43.06	-1.00e-02	-142.69	0.0	4455.17	755.11	46.50	665.38	-183.10	3560.32
		3560.32	-183.10	-3.88e-04	0.0	301.2	4455.17	612.42	46.50	665.38	-43.06	5619.81
211	4	5616.38	-38.96	-0.01	-142.69	0.0	4436.87	754.70	46.62	668.13	-179.37	3558.11
		3558.11	-179.37	-6.18e-04	0.0	301.2	4436.87	612.01	46.62	668.13	-38.96	5616.38
211	5	6228.24	-119.72	-0.01	-142.69	0.0	4686.96	816.81	41.80	658.47	-245.61	3982.90
		3982.90	-245.61	-6.22e-04	0.0	301.2	4686.96	674.12	41.80	658.47	-119.72	6228.24
211	6	5504.96	-39.30	-9.83e-03	-142.69	0.0	4373.80	743.78	46.51	667.61	-179.38	3479.58
		3479.58	-179.38	-6.28e-04	0.0	301.2	4373.80	601.09	46.51	667.61	-39.30	5504.96
211	7	5493.08	-31.93	-9.79e-03	-142.69	0.0	4380.31	744.03	46.25	666.84	-171.22	3466.96
		3466.96	-171.22	-3.78e-04	0.0	301.2	4380.31	601.34	46.25	666.84	-31.93	5493.08
211	8	4328.87	-33.30	-7.70e-03	-105.70	0.0	3431.08	579.46	35.76	512.67	-141.01	2742.70
		2742.70	-141.01	-2.97e-04	0.0	301.2	3431.08	473.77	35.76	512.67	-33.30	4328.87
211	9	3911.53	-29.71	-6.97e-03	-105.70	0.0	3123.06	531.33	32.80	471.64	-128.51	2470.34
		2470.34	-128.51	-2.64e-04	0.0	301.2	3123.06	425.63	32.80	471.64	-29.71	3911.53
211	10	3977.43	-29.65	-7.08e-03	-105.70	0.0	3155.59	537.15	33.02	471.89	-129.11	2518.71
		2518.71	-129.11	-2.75e-04	0.0	301.2	3155.59	431.46	33.02	471.89	-29.65	3977.43
211	11	3913.62	-27.56	-6.98e-03	-105.70	0.0	3110.38	530.86	33.03	473.12	-127.04	2473.85
		2473.85	-127.04	-4.09e-04	0.0	301.2	3110.38	425.16	33.03	473.12	-27.56	3913.62
212	1	5855.38	86.87	-5.98e-03	-142.69	0.0	5357.00	429.70	43.17	674.95	-43.17	4776.02
		4776.02	-43.17	-3.79e-04	0.0	301.2	5357.00	287.01	43.17	674.95	86.87	5855.38
212	2	5872.83	86.66	-5.99e-03	-142.69	0.0	5349.68	429.99	42.86	675.54	-42.44	4792.60
		4792.60	-42.44	-3.78e-04	0.0	301.2	5349.68	287.30	42.86	675.54	86.66	5872.83
212	3	5980.79	86.73	-6.09e-03	-142.69	0.0	5430.33	434.28	43.09	681.45	-43.06	4887.64
		4887.64	-43.06	-3.94e-04	0.0	301.2	5430.33	291.59	43.09	681.45	86.73	5980.79
212	4	5981.33	92.97	-6.10e-03	-142.69	0.0	5406.17	434.16	43.80	683.11	-38.96	4888.54
		4888.54	-38.96	-6.23e-04	0.0	301.2	5406.17	291.47	43.80	683.11	92.97	5981.33
212	5	6662.41	4.77	-6.71e-03	-142.69	0.0	5748.44	477.15	41.33	707.05	-119.72	5440.12
		5440.12	-119.72	-6.32e-04	0.0	301.2	5748.44	334.46	41.33	707.05	4.77	6662.41
212	6	5861.98	92.59	-6.00e-03	-142.69	0.0	5328.41	429.21	43.79	676.81	-39.30	4784.10
		4784.10	-39.30	-6.38e-04	0.0	301.2	5328.41	286.52	43.79	676.81	92.59	5861.98
212	7	5847.87	96.81	-5.97e-03	-142.69	0.0	5339.75	429.82	42.74	675.35	-31.93	4768.13
		4768.13	-31.93	-3.86e-04	0.0	301.2	5339.75	287.13	42.74	675.35	96.81	5847.87
212	8	4607.03	66.67	-4.69e-03	-105.70	0.0	4182.26	332.28	33.19	525.00	-33.30	3765.36
		3765.36	-33.30	-3.02e-04	0.0	301.2	4182.26	226.59	33.19	525.00	66.67	4607.03
212	9	4163.26	62.41	-4.25e-03	-105.70	0.0	3805.40	307.55	30.59	479.22	-29.71	3396.09
		3396.09	-29.71	-2.72e-04	0.0	301.2	3805.40	201.86	30.59	479.22	62.41	4163.26
212	10	4232.93	62.33	-4.31e-03	-105.70	0.0	3846.13	310.10	30.54	482.83	-29.65	3458.10
		3458.10	-29.65	-2.80e-04	0.0	301.2	3846.13	204.40	30.54	482.83	62.33	4232.93
212	11	4166.92	65.59	-4.26e-03	-105.70	0.0	3789.51	307.28	30.93	480.25	-27.56	3400.58
		3400.58	-27.56	-4.16e-04	0.0	301.2	3789.51	201.58	30.93	480.25	65.59	4166.92
213	1	5729.50	204.65	-1.75e-03	-142.69	0.0	5789.95	138.24	39.11	648.51	86.87	5528.02
		5528.02	86.87	-3.64e-04	0.0	301.2	5789.95	-4.45	39.11	648.51	204.65	5729.50
213	2	5745.18	203.35	-1.75e-03	-142.69	0.0	5784.97	138.21	38.74	650.20	86.66	5543.77
		5543.77	86.66	-3.62e-04	0.0	301.2	5784.97	-4.48	38.74	650.20	203.35	5745.18
213	3	5849.89	203.40	-1.77e-03	-142.69	0.0	5870.88	136.89	38.74	660.76	86.73	5652.21

213	4	5652.21	86.73	-3.73e-04	0.0	301.2	5870.88	-5.80	38.74	660.76	203.40	5849.64
		5855.75	213.65	-1.77e-03	-142.69	0.0	5840.63	137.17	40.07	661.20	92.97	5657.29
		5657.29	92.97	-6.00e-04	0.0	301.2	5840.63	-5.52	40.07	661.20	213.65	5855.55
213	5	6552.84	122.76	-1.90e-03	-142.69	0.0	6269.98	161.04	39.17	718.38	4.77	6282.70
		6282.70	4.77	-6.19e-04	0.0	301.2	6269.98	18.35	39.17	718.38	122.76	6552.84
213	6	5740.11	213.92	-1.76e-03	-142.69	0.0	5755.88	138.24	40.28	649.11	92.59	5538.61
		5538.61	92.59	-6.22e-04	0.0	301.2	5755.88	-4.45	40.28	649.11	213.92	5740.11
213	7	5723.02	212.31	-1.75e-03	-142.69	0.0	5773.57	138.95	38.34	647.49	96.81	5519.39
		5519.39	96.81	-3.68e-04	0.0	301.2	5773.57	-3.74	38.34	647.49	212.31	5723.02
213	8	4506.06	156.64	-1.36e-03	-105.70	0.0	4521.56	103.17	29.87	509.06	66.67	4354.49
		4354.49	66.67	-2.86e-04	0.0	301.2	4521.56	-2.53	29.87	509.06	156.64	4506.06
213	9	4073.91	145.60	-1.24e-03	-105.70	0.0	4113.25	100.40	27.62	460.87	62.41	3930.29
		3930.29	62.41	-2.60e-04	0.0	301.2	4113.25	-5.29	27.62	460.87	145.60	4073.53
213	10	4140.79	144.90	-1.25e-03	-105.70	0.0	4158.21	99.66	27.41	467.67	62.33	3999.28
		3999.28	62.33	-2.65e-04	0.0	301.2	4158.21	-6.04	27.41	467.67	144.90	4140.28
213	11	4079.80	150.74	-1.25e-03	-105.70	0.0	4094.32	100.41	28.27	461.20	65.59	3936.17
		3936.17	65.59	-4.03e-04	0.0	301.2	4094.32	-5.29	28.27	461.20	150.74	4079.43
214	1	5775.37	305.54	-2.58e-03	-142.69	0.0	5729.57	-133.27	33.49	590.26	204.65	5775.37
		5159.08	204.65	-3.24e-04	0.0	301.2	5729.57	-275.96	33.49	590.26	305.54	5159.08
214	2	5788.93	303.31	-2.60e-03	-142.69	0.0	5727.51	-133.64	33.19	592.94	203.35	5788.93
		5171.51	203.35	-3.22e-04	0.0	301.2	5727.51	-276.33	33.19	592.94	303.31	5171.51
214	3	5900.18	302.78	-2.66e-03	-142.69	0.0	5810.49	-140.28	33.00	607.78	203.40	5900.18
		5262.76	203.40	-3.28e-04	0.0	301.2	5810.49	-282.97	33.00	607.78	302.78	5262.76
214	4	5909.66	317.46	-2.66e-03	-142.69	0.0	5775.23	-139.39	34.47	607.03	213.64	5909.66
		5274.94	213.64	-5.52e-04	0.0	301.2	5775.23	-282.08	34.47	607.03	317.46	5274.94
214	5	6592.89	291.00	-3.03e-03	-142.69	0.0	6194.19	-207.82	55.86	707.89	122.76	6592.89
		5752.04	122.76	-5.65e-04	0.0	301.2	6194.19	-350.51	55.86	707.89	291.00	5752.04
214	6	5788.88	319.34	-2.58e-03	-142.69	0.0	5691.25	-132.57	35.00	589.49	213.92	5788.88
		5174.69	213.92	-5.78e-04	0.0	301.2	5691.25	-275.26	35.00	589.49	319.34	5174.69
214	7	5766.77	310.44	-2.58e-03	-142.69	0.0	5715.46	-132.14	32.58	588.06	212.31	5766.77
		5153.86	212.31	-3.25e-04	0.0	301.2	5715.46	-274.83	32.58	588.06	310.44	5153.86
214	8	4545.58	233.35	-2.05e-03	-105.70	0.0	4474.95	-110.36	25.47	468.24	156.64	4545.58
		4053.99	156.64	-2.52e-04	0.0	301.2	4474.95	-216.06	25.47	468.24	233.35	4053.99
214	9	4105.70	216.67	-1.84e-03	-105.70	0.0	4070.66	-92.60	23.60	419.94	145.60	4105.70
		3667.61	145.60	-2.31e-04	0.0	301.2	4070.66	-198.30	23.60	419.94	216.67	3667.61
214	10	4175.04	215.14	-1.88e-03	-105.70	0.0	4115.62	-96.50	23.32	429.67	144.90	4175.04
		3725.21	144.90	-2.33e-04	0.0	301.2	4115.62	-202.19	23.32	429.67	215.14	3725.21
214	11	4113.21	224.34	-1.84e-03	-105.70	0.0	4049.38	-92.21	24.43	419.51	150.74	4113.21
		3676.29	150.74	-3.72e-04	0.0	301.2	4049.38	-197.91	24.43	419.51	224.34	3676.29
215	1	5551.79	382.53	-6.60e-03	-142.69	0.0	5210.82	-385.49	25.56	503.02	305.54	5551.79
		4175.79	305.54	-2.64e-04	0.0	301.2	5210.82	-528.18	25.56	503.02	382.53	4175.79
215	2	5562.29	380.29	-6.62e-03	-142.69	0.0	5211.47	-386.22	25.56	506.34	303.31	5562.29
		4184.12	303.31	-2.62e-04	0.0	301.2	5211.47	-528.91	25.56	506.34	380.29	4184.12
215	3	5665.67	379.20	-6.75e-03	-142.69	0.0	5284.21	-397.57	25.37	524.83	302.78	5665.67
		4253.30	302.78	-2.65e-04	0.0	301.2	5284.21	-540.26	25.37	524.83	379.20	4253.30
215	4	5678.73	393.08	-6.76e-03	-142.69	0.0	5247.18	-395.87	25.11	524.01	317.46	5678.73
		4271.49	317.46	-4.82e-04	0.0	301.2	5247.18	-538.56	25.11	524.01	393.08	4271.49
215	5	6219.63	395.79	-7.53e-03	-142.69	0.0	5590.01	-467.84	34.79	641.58	291.00	6219.63
		4595.59	291.00	-4.95e-04	0.0	301.2	5590.01	-610.53	34.79	641.58	395.79	4595.59
215	6	5567.85	395.96	-6.61e-03	-142.69	0.0	5171.20	-383.92	25.44	502.09	319.34	5567.85
		4196.59	319.34	-5.12e-04	0.0	301.2	5171.20	-526.61	25.44	502.09	395.96	4196.59
215	7	5543.91	384.79	-6.59e-03	-142.69	0.0	5199.82	-384.14	24.68	499.95	310.44	5543.91
		4172.00	310.44	-2.63e-04	0.0	301.2	5199.82	-526.83	24.68	499.95	384.79	4172.00
215	8	4364.88	292.42	-5.20e-03	-105.70	0.0	4069.52	-308.54	19.61	404.29	233.35	4364.88
		3276.39	233.35	-2.03e-04	0.0	301.2	4069.52	-414.23	19.61	404.29	292.42	3276.39
215	9	3946.28	270.83	-4.69e-03	-105.70	0.0	3702.35	-271.93	17.98	358.45	216.67	3946.28
		2968.07	216.67	-1.88e-04	0.0	301.2	3702.35	-377.62	17.98	358.45	270.83	2968.07
215	10	4009.55	268.98	-4.78e-03	-105.70	0.0	3743.12	-278.63	17.88	370.57	215.14	4009.55
		3011.13	215.14	-1.89e-04	0.0	301.2	3743.12	-384.33	17.88	370.57	268.98	3011.13
215	11	3955.21	278.29	-4.70e-03	-105.70	0.0	3680.33	-271.05	17.91	357.93	224.34	3955.21
		2979.62	224.34	-3.26e-04	0.0	301.2	3680.33	-376.75	17.91	357.93	278.29	2979.62
216	1	4892.42	410.34	-9.99e-03	-142.69	0.0	4262.49	-617.52	9.23	392.06	382.53	4892.42
		2817.55	382.53	-1.92e-04	0.0	301.2	4262.49	-760.21	9.23	392.06	410.34	2817.55
216	2	4899.81	408.80	-0.01	-142.69	0.0	4264.57	-618.51	9.47	395.79	380.29	4899.81
		2821.95	380.29	-1.91e-04	0.0	301.2	4264.57	-761.20	9.47	395.79	408.80	2821.95
216	3	4984.96	408.64	-0.01	-142.69	0.0	4321.16	-633.39	9.77	416.53	379.20	4984.96
		2862.29	379.20	-1.92e-04	0.0	301.2	4321.16	-776.08	9.77	416.53	408.64	2862.29
216	4	4998.19	412.60	-0.01	-142.69	0.0	4289.96	-631.31	6.48	417.02	393.08	4998.19
		2881.79	393.08	-4.02e-04	0.0	301.2	4289.96	-774.00	6.48	417.02	412.60	2881.79
216	5	5391.55	427.89	-0.01	-142.69	0.0	4546.17	-703.07	10.66	537.96	395.79	5391.55
		3059.02	395.79	-4.11e-04	0.0	301.2	4546.17	-845.76	10.66	537.96	427.89	3059.02
216	6	4907.93	413.27	-0.01	-142.69	0.0	4229.03	-615.50	5.75	392.68	395.96	4907.93

		2839.15	395.96	-4.33e-04	0.0	301.2	4229.03	-758.19	5.75	392.68	413.27	2839.15
216	7	4885.85	410.62	-9.98e-03	-142.69	0.0	4254.87	-616.08	8.58	388.43	384.79	4885.85
		2815.33	384.79	-1.91e-04	0.0	301.2	4254.87	-758.77	8.58	388.43	410.62	2815.33
216	8	3840.38	315.38	-7.87e-03	-105.70	0.0	3327.77	-490.13	7.62	320.68	292.42	3840.38
		2204.93	292.42	-1.47e-04	0.0	301.2	3327.77	-595.83	7.62	320.68	315.38	2204.93
216	9	3477.03	290.25	-7.11e-03	-105.70	0.0	3028.61	-436.88	6.45	280.13	270.83	3477.03
		2001.96	270.83	-1.37e-04	0.0	301.2	3028.61	-542.58	6.45	280.13	290.25	2001.96
216	10	3528.44	289.31	-7.23e-03	-105.70	0.0	3061.20	-445.70	6.75	293.73	268.98	3528.44
		2026.82	268.98	-1.37e-04	0.0	301.2	3061.20	-551.40	6.75	293.73	289.31	2026.82
216	11	3485.64	291.88	-7.12e-03	-105.70	0.0	3010.02	-435.76	4.51	280.48	278.29	3485.64
		2013.96	278.29	-2.71e-04	0.0	301.2	3010.02	-541.46	4.51	280.48	291.88	2013.96
217	1	3850.70	410.34	-0.01	-142.69	0.0	2896.24	-832.59	-29.06	272.90	410.34	3850.70
		1128.03	322.82	-1.20e-04	0.0	301.2	2896.24	-975.28	-29.06	272.90	322.82	1128.03
217	2	3855.30	408.80	-0.01	-142.69	0.0	2898.27	-833.76	-28.71	276.80	408.80	3855.30
		1129.13	322.33	-1.20e-04	0.0	301.2	2898.27	-976.45	-28.71	276.80	322.33	1129.13
217	3	3913.96	408.64	-0.01	-142.69	0.0	2933.85	-850.00	-27.88	297.65	408.64	3913.96
		1138.87	324.68	-1.21e-04	0.0	301.2	2933.85	-992.69	-27.88	297.65	324.68	1138.87
217	4	3926.20	412.60	-0.01	-142.69	0.0	2912.03	-848.37	-35.86	301.89	412.60	3926.20
		1156.02	304.59	-3.26e-04	0.0	301.2	2912.03	-991.06	-35.86	301.89	304.59	1156.02
217	5	4180.09	427.89	-0.01	-142.69	0.0	3069.80	-917.50	-34.51	417.61	427.89	4180.09
		1201.68	323.96	-3.34e-04	0.0	301.2	3069.80	-1060.19	-34.51	417.61	323.96	1201.68
217	6	3864.36	413.27	-0.01	-142.69	0.0	2873.01	-831.04	-37.40	277.47	413.27	3864.36
		1146.38	300.63	-3.57e-04	0.0	301.2	2873.01	-973.73	-37.40	277.47	300.63	1146.38
217	7	3845.89	410.62	-0.01	-142.69	0.0	2891.83	-831.10	-29.45	269.01	410.62	3845.89
		1127.72	321.93	-1.19e-04	0.0	301.2	2891.83	-973.79	-29.45	269.01	321.93	1127.72
217	8	3015.23	315.38	-9.81e-03	-105.70	0.0	2259.37	-656.83	-21.41	228.80	315.38	3015.23
		877.69	250.88	-9.19e-05	0.0	301.2	2259.37	-762.52	-21.41	228.80	250.88	877.69
217	9	2735.93	290.25	-8.88e-03	-105.70	0.0	2057.73	-589.72	-20.59	195.96	290.25	2735.93
		800.52	228.23	-8.62e-05	0.0	301.2	2057.73	-695.41	-20.59	195.96	228.23	800.52
217	10	2771.08	289.31	-9.02e-03	-105.70	0.0	2078.62	-599.39	-19.94	209.71	289.31	2771.08
		806.54	229.26	-8.65e-05	0.0	301.2	2078.62	-705.09	-19.94	209.71	229.26	806.54
217	11	2743.52	291.88	-8.90e-03	-105.70	0.0	2044.82	-588.85	-25.23	198.50	291.88	2743.52
		810.71	215.90	-2.18e-04	0.0	301.2	2044.82	-694.55	-25.23	198.50	215.90	810.71
218	1	2532.05	322.82	-0.01	-142.69	0.0	1064.03	-1059.11	-85.48	179.92	322.82	2532.05
		-872.88	65.36	-6.96e-05	0.0	301.2	1064.03	-1201.80	-85.48	179.92	65.36	-872.88
218	2	2534.20	322.33	-0.01	-142.69	0.0	1064.88	-1060.38	-84.90	183.60	322.33	2534.20
		-874.55	66.60	-6.93e-05	0.0	301.2	1064.88	-1203.07	-84.90	183.60	66.60	-874.55
218	3	2562.91	324.68	-0.01	-142.69	0.0	1076.09	-1075.12	-84.56	202.28	324.68	2562.91
		-890.26	69.97	-7.17e-05	0.0	301.2	1076.09	-1217.81	-84.56	202.28	69.97	-890.26
218	4	2556.86	304.59	-0.01	-142.69	0.0	1084.30	-1075.03	-79.29	198.36	304.59	2556.86
		-896.01	65.78	-2.91e-04	0.0	301.2	1084.30	-1217.72	-79.29	198.36	65.78	-896.01
218	5	2684.45	323.96	-0.02	-142.69	0.0	1136.32	-1141.29	-75.60	301.90	323.96	2684.45
		-967.99	96.26	-3.01e-04	0.0	301.2	1136.32	-1283.98	-75.60	301.90	96.26	-967.99
218	6	2525.51	300.63	-0.01	-142.69	0.0	1072.94	-1059.10	-79.61	175.73	300.63	2525.51
		-879.40	60.86	-3.23e-04	0.0	301.2	1072.94	-1201.79	-79.61	175.73	60.86	-879.40
218	7	2529.11	321.93	-0.01	-142.69	0.0	1062.83	-1057.52	-85.69	176.00	321.93	2529.11
		-871.03	63.85	-6.90e-05	0.0	301.2	1062.83	-1200.21	-85.69	176.00	63.85	-871.03
218	8	1974.57	250.88	-0.01	-105.70	0.0	828.75	-829.88	-65.41	154.98	250.88	1974.57
		-684.22	53.86	-5.40e-05	0.0	301.2	828.75	-935.58	-65.41	154.98	53.86	-684.22
218	9	1797.93	228.23	-9.82e-03	-105.70	0.0	755.80	-750.62	-60.27	130.18	228.23	1797.93
		-622.12	46.70	-5.03e-05	0.0	301.2	755.80	-856.32	-60.27	130.18	46.70	-622.12
218	10	1815.07	229.26	-9.98e-03	-105.70	0.0	762.50	-759.52	-59.76	142.60	229.26	1815.07
		-631.78	49.26	-5.14e-05	0.0	301.2	762.50	-865.22	-59.76	142.60	49.26	-631.78
218	11	1794.30	215.90	-9.85e-03	-105.70	0.0	760.75	-750.62	-57.01	127.85	215.90	1794.30
		-625.74	44.20	-1.91e-04	0.0	301.2	760.75	-856.32	-57.01	127.85	44.20	-625.74
219	1	4586.51	-481.77	-0.02	-149.80	0.0	3059.81	1010.69	23.06	466.73	-554.70	4586.51
		1627.54	-554.70	3.01e-04	0.0	316.2	3059.81	860.89	23.06	466.73	-481.77	1627.54
219	2	5105.61	-604.81	-0.02	-149.80	0.0	3323.40	1084.80	7.54	345.02	-628.65	5105.61
		1912.30	-628.65	4.48e-05	0.0	316.2	3323.40	935.00	7.54	345.02	-604.81	1912.30
219	3	4723.32	-477.24	-0.02	-149.80	0.0	3154.00	1036.68	27.69	479.73	-564.80	4723.32
		1682.15	-564.80	-3.77e-04	0.0	316.2	3154.00	886.89	27.69	479.73	-477.24	1682.15
219	4	4696.74	-473.61	-0.02	-149.80	0.0	3164.83	1042.42	24.66	477.08	-551.59	4696.74
		1637.45	-551.59	3.67e-04	0.0	316.2	3164.83	892.62	24.66	477.08	-473.61	1637.45
219	5	4605.48	-483.06	-0.02	-149.80	0.0	3078.94	1015.50	22.03	459.25	-552.70	4605.48
		1631.29	-552.70	3.72e-04	0.0	316.2	3078.94	865.71	22.03	459.25	-483.06	1631.29
219	6	4579.46	-481.62	-0.02	-149.80	0.0	3066.91	1011.75	22.04	465.15	-551.29	4579.46
		1617.13	-551.29	3.72e-04	0.0	316.2	3066.91	861.95	22.04	465.15	-481.62	1617.13
219	7	4556.70	-466.45	-0.02	-149.80	0.0	3058.07	1010.46	23.96	474.03	-542.23	4556.70
		1598.45	-542.23	3.57e-04	0.0	316.2	3058.07	860.66	23.96	474.03	-466.45	1598.45
219	8	3641.92	-368.74	-0.01	-110.96	0.0	2430.03	796.13	21.40	368.61	-436.42	3641.92
		1299.98	-436.42	-3.48e-04	0.0	316.2	2430.03	685.17	21.40	368.61	-368.74	1299.98
219	9	3259.07	-339.08	-0.01	-110.96	0.0	2177.66	721.65	16.74	333.63	-392.02	3259.07

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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219	10	1152.64	-392.02	2.21e-04	0.0	316.2	2177.66	610.69	16.74	333.63	-339.08	3259.07
		3335.07	-336.57	-0.01	-110.96	0.0	2229.99	736.09	19.31	340.86	-397.63	1182.98
		1182.98	-397.63	-1.55e-04	0.0	316.2	2229.99	625.13	19.31	340.86	-336.57	3335.07
219	11	3255.15	-338.99	-0.01	-110.96	0.0	2181.61	722.24	16.17	332.75	-390.13	1146.86
		1146.86	-390.13	2.61e-04	0.0	316.2	2181.61	611.28	16.17	332.75	-338.99	3255.15
220	1	5627.46	-298.85	-0.01	-149.80	0.0	4556.21	741.86	57.85	646.25	-481.77	3518.52
		3518.52	-481.77	3.61e-04	0.0	316.2	4556.21	592.06	57.85	646.25	-298.85	5627.46
220	2	6242.33	-450.70	-0.01	-149.80	0.0	4944.68	795.15	48.74	573.04	-604.81	3964.89
		3964.89	-604.81	8.82e-05	0.0	316.2	4944.68	645.35	48.74	573.04	-450.70	6242.33
220	3	5782.67	-285.07	-0.01	-149.80	0.0	4696.92	757.64	60.78	661.84	-477.24	3623.83
		3623.83	-477.24	-3.20e-04	0.0	316.2	4696.92	607.85	60.78	661.84	-285.07	5782.67
220	4	5761.51	-288.77	-0.01	-149.80	0.0	4717.60	762.27	58.46	657.72	-473.61	3588.03
		3588.03	-473.61	4.23e-04	0.0	316.2	4717.60	612.48	58.46	657.72	-338.99	5761.51
220	5	5650.90	-302.73	-0.01	-149.80	0.0	4583.43	745.05	57.03	640.71	-483.06	3531.87
		3531.87	-483.06	4.32e-04	0.0	316.2	4583.43	595.25	57.03	640.71	-302.73	5650.90
220	6	5621.80	-300.89	-0.01	-149.80	0.0	4564.97	742.78	57.16	644.21	-481.62	3509.94
		3509.94	-481.62	4.34e-04	0.0	316.2	4564.97	592.99	57.16	644.21	-300.89	5621.80
220	7	5596.93	-283.93	-0.01	-149.80	0.0	4555.74	742.45	57.72	649.68	-466.45	3486.14
		3486.14	-466.45	4.14e-04	0.0	316.2	4555.74	592.65	57.72	649.68	-283.93	5596.93
220	8	4457.26	-220.27	-9.32e-03	-110.96	0.0	3618.27	580.94	46.96	509.21	-368.74	2795.76
		2795.76	-368.74	-3.04e-04	0.0	316.2	3618.27	469.98	46.96	509.21	-220.27	4457.26
220	9	3999.63	-209.03	-8.36e-03	-110.96	0.0	3243.38	530.42	41.13	460.59	-339.08	2497.88
		2497.88	-339.08	2.63e-04	0.0	316.2	3243.38	419.46	41.13	460.59	-209.03	3999.63
220	10	4085.86	-201.37	-8.55e-03	-110.96	0.0	3321.56	539.19	42.76	469.25	-336.57	2556.38
		2556.38	-336.57	-1.16e-04	0.0	316.2	3321.56	428.23	42.76	469.25	-201.37	4085.86
220	11	3996.48	-210.16	-8.36e-03	-110.96	0.0	3248.26	530.93	40.74	459.46	-338.99	2493.11
		2493.11	-338.99	3.03e-04	0.0	316.2	3248.26	419.97	40.74	459.46	-210.16	3996.48
221	1	6161.80	-78.48	-7.42e-03	-149.80	0.0	5587.84	476.96	69.69	762.05	-298.85	4890.48
		4890.48	-298.85	3.97e-04	0.0	316.2	5587.84	327.16	69.69	762.05	-78.48	6161.80
221	2	6833.14	-242.18	-8.07e-03	-149.80	0.0	6075.14	509.05	65.95	749.83	-450.70	5460.35
		5460.35	-450.70	1.33e-04	0.0	316.2	6075.14	359.25	65.95	749.83	-242.18	6833.14
221	3	6324.68	-61.38	-7.64e-03	-149.80	0.0	5756.64	485.18	70.74	777.79	-285.07	5027.35
		5027.35	-285.07	-2.92e-04	0.0	316.2	5756.64	335.39	70.74	777.79	-61.38	6324.68
221	4	6308.17	-67.56	-7.62e-03	-149.80	0.0	5782.11	487.85	69.96	773.99	-288.77	5002.40
		5002.40	-288.77	4.53e-04	0.0	316.2	5782.11	338.06	69.96	773.99	-67.56	6308.17
221	5	6187.40	-83.51	-7.46e-03	-149.80	0.0	5618.76	478.12	69.33	759.36	-302.73	4912.43
		4912.43	-302.73	4.66e-04	0.0	316.2	5618.76	328.32	69.33	759.36	-83.51	6187.40
221	6	6157.75	-81.19	-7.42e-03	-149.80	0.0	5596.75	477.46	69.48	760.08	-300.89	4884.85
		4884.85	-300.89	4.70e-04	0.0	316.2	5596.75	327.66	69.48	760.08	-81.19	6157.75
221	7	6133.07	-65.13	-7.40e-03	-149.80	0.0	5586.99	477.87	69.20	761.49	-283.93	4858.88
		4858.88	-283.93	4.46e-04	0.0	316.2	5586.99	328.07	69.20	761.49	-65.13	6133.07
221	8	4874.25	-47.71	-5.89e-03	-110.96	0.0	4434.21	371.10	54.57	598.81	-220.27	3876.26
		3876.26	-220.27	-2.82e-04	0.0	316.2	4434.21	260.14	54.57	598.81	-47.71	4874.25
221	9	4379.95	-52.81	-5.28e-03	-110.96	0.0	3977.86	341.87	49.41	542.15	-209.03	3474.39
		3474.39	-209.03	2.88e-04	0.0	316.2	3977.86	230.91	49.41	542.15	-52.81	4379.95
221	10	4470.44	-43.31	-5.40e-03	-110.96	0.0	4071.63	346.44	49.99	550.90	-201.37	3550.43
		3550.43	-201.37	-9.49e-05	0.0	316.2	4071.63	235.48	49.99	550.90	-43.31	4470.44
221	11	4377.70	-54.32	-5.28e-03	-110.96	0.0	3982.81	342.15	49.29	541.06	-210.16	3471.26
		3471.26	-210.16	3.28e-04	0.0	316.2	3982.81	231.19	49.29	541.06	-54.32	4377.70
222	1	6186.05	112.78	-2.50e-03	-149.80	0.0	6129.28	205.88	60.48	811.88	-78.48	5771.88
		5771.88	-78.48	3.90e-04	0.0	316.2	6129.28	56.08	60.48	811.88	112.78	6186.05
222	2	6869.49	-53.18	-2.60e-03	-149.80	0.0	6696.21	218.49	59.77	864.45	-242.18	6415.44
		6415.44	-242.18	1.45e-04	0.0	316.2	6696.21	68.70	59.77	864.45	-53.18	6869.49
222	3	6347.69	128.03	-2.58e-03	-149.80	0.0	6309.10	207.27	59.90	826.74	-61.38	5929.14
		5929.14	-61.38	-3.07e-04	0.0	316.2	6309.10	57.47	59.90	826.74	128.03	6347.69
222	4	6333.69	122.62	-2.58e-03	-149.80	0.0	6336.50	208.35	60.15	824.44	-67.56	5911.72
		5911.72	-67.56	4.39e-04	0.0	316.2	6336.50	58.55	60.15	824.44	122.62	6333.69
222	5	6210.75	107.25	-2.51e-03	-149.80	0.0	6160.42	205.11	60.33	812.54	-83.51	5799.02
		5799.02	-83.51	4.58e-04	0.0	316.2	6160.42	55.32	60.33	812.54	107.25	6210.75
222	6	6183.23	110.28	-2.50e-03	-149.80	0.0	6137.59	206.03	60.55	810.32	-81.19	5768.59
		5768.59	-81.19	4.64e-04	0.0	316.2	6137.59	56.24	60.55	810.32	110.28	6183.23
222	7	6160.93	123.77	-2.50e-03	-149.80	0.0	6127.32	207.11	59.74	807.81	-65.13	5742.89
		5742.89	-65.13	4.35e-04	0.0	316.2	6127.32	57.31	59.74	807.81	123.77	6160.93
222	8	4891.70	98.25	-1.99e-03	-110.96	0.0	4859.39	157.09	46.16	636.74	-47.71	4570.39
		4570.39	-47.71	-2.94e-04	0.0	316.2	4859.39	46.13	46.16	636.74	98.25	4891.70
222	9	4397.58	82.45	-1.78e-03	-110.96	0.0	4363.16	148.95	42.78	576.94	-52.81	4102.01
		4102.01	-52.81	2.82e-04	0.0	316.2	4363.16	37.99	42.78	576.94	82.45	4397.58
222	10	4487.37	90.93	-1.82e-03	-110.96	0.0	4463.06	149.72	42.45	585.20	-43.31	4189.38
		4189.38	-43.31	-1.05e-04	0.0	316.2	4463.06	38.76	42.45	585.20	90.93	4487.37
222	11	4396.01	81.07	-1.78e-03	-110.96	0.0	4367.78	149.04	42.82	576.08	-54.32	4100.18
		4100.18	-54.32	3.23e-04	0.0	316.2	4367.78	38.08	42.82	576.08	81.07	4396.01
223	1	6155.52	284.30	-2.60e-03	-149.80	0.0	6170.50	-66.93	54.25	791.53	112.77	6155.52

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		5707.07	112.77	3.52e-04	0.0	316.2	6170.50	-216.72	54.25	791.53	284.30	5707.07
223	2	6862.77	196.14	-3.04e-03	-149.80	0.0	6705.09	-146.30	78.85	916.19	-53.18	6862.77
		6163.33	-53.18	1.14e-04	0.0	316.2	6705.09	-296.10	78.85	916.19	196.14	6163.33
223	3	6322.98	293.62	-2.65e-03	-149.80	0.0	6346.43	-72.21	52.37	805.52	128.03	6322.98
		5857.81	128.03	-3.51e-04	0.0	316.2	6346.43	-222.01	52.37	805.52	293.62	5857.81
223	4	6310.11	291.76	-2.65e-03	-149.80	0.0	6373.24	-72.34	53.49	804.84	122.62	6310.11
		5844.56	122.62	3.96e-04	0.0	316.2	6373.24	-222.13	53.49	804.84	291.76	5844.56
223	5	6183.89	278.74	-2.61e-03	-149.80	0.0	6199.16	-69.26	54.23	795.40	107.25	6183.89
		5728.05	107.25	4.20e-04	0.0	316.2	6199.16	-219.06	54.23	795.40	278.74	5728.05
223	6	6153.86	282.50	-2.60e-03	-149.80	0.0	6177.73	-66.99	54.46	790.45	110.28	6153.86
		5705.19	110.28	4.27e-04	0.0	316.2	6177.73	-216.79	54.46	790.45	282.50	5705.19
223	7	6130.46	292.30	-2.58e-03	-149.80	0.0	6167.30	-65.33	53.30	784.64	123.77	6130.46
		5687.06	123.77	3.94e-04	0.0	316.2	6167.30	-215.13	53.30	784.64	292.30	5687.06
223	8	4873.46	225.62	-2.04e-03	-110.96	0.0	4887.80	-58.13	40.28	620.63	98.25	4873.46
		4514.22	98.25	-3.28e-04	0.0	316.2	4887.80	-169.09	40.28	620.63	225.62	4514.22
223	9	4375.58	203.59	-1.85e-03	-110.96	0.0	4392.35	-45.15	38.31	562.00	82.45	4375.58
		4057.39	82.45	2.54e-04	0.0	316.2	4392.35	-156.11	38.31	562.00	203.59	4057.39
223	10	4468.61	208.77	-1.88e-03	-110.96	0.0	4490.09	-48.09	37.27	569.77	90.93	4468.61
		4141.13	90.93	-1.37e-04	0.0	316.2	4490.09	-159.05	37.27	569.77	208.77	4141.13
223	11	4374.66	202.59	-1.84e-03	-110.96	0.0	4396.36	-45.19	38.43	561.40	81.07	4374.66
		4056.35	81.07	2.96e-04	0.0	316.2	4396.36	-156.15	38.43	561.40	202.59	4056.35
224	1	6048.80	435.38	-7.46e-03	-149.80	0.0	5697.80	-336.29	47.78	710.14	284.30	6048.80
		4748.62	284.30	2.87e-04	0.0	316.2	5697.80	-486.09	47.78	710.14	435.38	4748.62
224	2	6613.36	387.40	-8.32e-03	-149.80	0.0	6121.85	-419.53	60.49	876.02	196.14	6613.36
		5049.98	196.14	5.58e-05	0.0	316.2	6121.85	-569.32	60.49	876.02	387.40	5049.98
224	3	6215.38	435.04	-7.64e-03	-149.80	0.0	5856.78	-348.12	44.72	723.85	293.62	6215.38
		4877.81	293.62	-4.21e-04	0.0	316.2	5856.78	-497.91	44.72	723.85	435.04	4877.81
224	4	6205.34	440.06	-7.62e-03	-149.80	0.0	5880.09	-349.41	46.90	724.34	291.76	6205.34
		4863.69	291.76	3.25e-04	0.0	316.2	5880.09	-499.20	46.90	724.34	440.06	4863.69
224	5	6074.71	430.02	-7.48e-03	-149.80	0.0	5722.15	-339.75	47.84	716.73	278.74	6074.71
		4763.60	278.74	3.55e-04	0.0	316.2	5722.15	-489.54	47.84	716.73	430.02	4763.60
224	6	6048.30	434.54	-7.45e-03	-149.80	0.0	5703.61	-336.49	48.08	709.46	282.50	6048.30
		4747.50	282.50	3.62e-04	0.0	316.2	5703.61	-486.28	48.08	709.46	434.54	4747.50
224	7	6028.70	440.21	-7.41e-03	-149.80	0.0	5693.87	-334.35	46.78	701.17	292.30	6028.70
		4734.67	292.30	3.27e-04	0.0	316.2	5693.87	-484.14	46.78	701.17	440.21	4734.67
224	8	4790.37	334.08	-5.88e-03	-110.96	0.0	4510.39	-270.61	34.30	557.98	225.62	4790.37
		3759.26	225.62	-3.82e-04	0.0	316.2	4510.39	-381.57	34.30	557.98	334.08	3759.26
224	9	4300.37	310.22	-5.30e-03	-110.96	0.0	4055.82	-236.79	33.72	503.83	203.59	4300.37
		3376.22	203.59	2.07e-04	0.0	316.2	4055.82	-347.75	33.72	503.83	310.22	3376.22
224	10	4392.92	310.03	-5.40e-03	-110.96	0.0	4144.14	-243.36	32.02	511.44	208.77	4392.92
		3447.99	208.77	-1.86e-04	0.0	316.2	4144.14	-354.32	32.02	511.44	310.03	3447.99
224	11	4300.10	309.75	-5.30e-03	-110.96	0.0	4059.05	-236.90	33.89	503.44	202.59	4300.10
		3375.60	202.59	2.49e-04	0.0	316.2	4059.05	-347.86	33.89	503.44	309.75	3375.60
225	1	5466.25	542.56	-0.01	-149.80	0.0	4705.82	-599.67	33.89	573.42	435.38	5466.25
		3333.26	435.38	2.00e-04	0.0	316.2	4705.82	-749.47	33.89	573.42	542.56	3333.26
225	2	5877.22	519.54	-0.01	-149.80	0.0	5008.72	-683.78	41.79	760.07	387.40	5877.22
		3478.29	387.40	2.56e-05	0.0	316.2	5008.72	-833.57	41.79	760.07	519.54	3478.29
225	3	5619.41	523.64	-0.01	-149.80	0.0	4837.04	-618.08	28.02	588.86	435.04	5619.41
		3428.21	435.04	5.09e-04	0.0	316.2	4837.04	-767.88	28.02	588.86	523.64	3428.21
225	4	5611.20	545.54	-0.01	-149.80	0.0	4852.67	-620.52	33.36	588.18	440.06	5611.20
		3412.30	440.06	-2.35e-04	0.0	316.2	4852.67	-770.31	33.36	588.18	545.54	3412.30
225	5	5486.71	538.94	-0.01	-149.80	0.0	4724.78	-603.83	34.44	581.71	430.02	5486.71
		3340.57	430.02	2.69e-04	0.0	316.2	4724.78	-753.63	34.44	581.71	538.94	3340.57
225	6	5466.69	543.82	-0.01	-149.80	0.0	4709.86	-599.98	34.56	572.77	434.54	5466.69
		3332.73	434.54	2.76e-04	0.0	316.2	4709.86	-749.77	34.56	572.77	543.82	3332.73
225	7	5451.68	545.33	-0.01	-149.80	0.0	4702.09	-597.45	33.24	562.99	440.21	5451.68
		3325.71	440.21	-2.39e-04	0.0	316.2	4702.09	-747.25	33.24	562.99	545.33	3325.71
225	8	4331.02	401.00	-9.21e-03	-110.96	0.0	3724.89	-478.52	21.17	454.46	334.08	4331.02
		2642.53	334.08	4.49e-04	0.0	316.2	3724.89	-589.48	21.17	454.46	401.00	2642.53
225	9	3886.69	385.92	-8.29e-03	-110.96	0.0	3349.85	-424.20	23.94	406.41	310.22	3886.69
		2369.95	310.22	1.45e-04	0.0	316.2	3349.85	-535.16	23.94	406.41	385.92	2369.95
225	10	3971.78	375.41	-8.46e-03	-110.96	0.0	3422.75	-434.42	20.68	414.99	310.03	3971.78
		2422.70	310.03	2.49e-04	0.0	316.2	3422.75	-545.38	20.68	414.99	375.41	2422.70
225	11	3886.94	386.63	-8.29e-03	-110.96	0.0	3352.09	-424.37	24.31	406.05	309.75	3886.94
		2369.66	309.75	1.87e-04	0.0	316.2	3352.09	-535.33	24.31	406.05	386.63	2369.66
226	1	4438.50	542.56	-0.01	-149.80	0.0	3182.53	-863.11	-11.86	402.90	542.56	4438.50
		1472.53	505.06	1.00e-04	0.0	316.2	3182.53	-1012.90	-11.86	402.90	505.06	1472.53
226	2	4696.02	527.17	-0.02	-149.80	0.0	3352.65	-945.88	2.41	589.43	519.54	4696.02
		1468.32	519.54	1.15e-04	0.0	316.2	3352.65	-1095.68	2.41	589.43	527.17	1468.32
226	3	4564.77	523.64	-0.02	-149.80	0.0	3275.87	-890.58	-2.06	407.38	523.64	4564.77
		1511.94	517.12	5.92e-04	0.0	316.2	3275.87	-1040.37	-2.06	407.38	517.12	1511.94
226	4	4557.43	545.54	-0.02	-149.80	0.0	3279.05	-892.01	-10.43	415.83	545.54	4557.43

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226	5	1500.06	512.55	-1.35e-04	0.0	316.2	3279.05	-1041.81	-10.43	415.83	512.55	1500.06
		4452.52	538.94	-0.01	-149.80	0.0	3194.11	-867.61	-10.42	411.65	538.94	4452.52
		1472.32	505.99	-1.70e-04	0.0	316.2	3194.11	-1017.40	-10.42	411.65	505.99	1472.32
226	6	4440.14	543.82	-0.01	-149.80	0.0	3183.88	-863.42	-12.09	402.89	543.82	4440.14
		1473.18	505.59	-1.75e-04	0.0	316.2	3183.88	-1013.22	-12.09	402.89	505.59	1473.18
226	7	4429.78	545.33	-0.01	-149.80	0.0	3179.81	-860.55	-12.73	392.04	545.33	4429.78
		1471.89	505.06	-1.38e-04	0.0	316.2	3179.81	-1010.35	-12.73	392.04	505.06	1471.89
226	8	3518.20	401.00	-0.01	-110.96	0.0	2522.75	-688.51	-0.85	314.21	401.00	3518.20
		1165.69	398.32	5.12e-04	0.0	316.2	2522.75	-799.47	-0.85	314.21	398.32	1165.69
226	9	3156.30	385.92	-0.01	-110.96	0.0	2265.77	-611.70	-8.44	285.00	385.92	3156.30
		1046.69	359.24	7.43e-05	0.0	316.2	2265.77	-722.66	-8.44	285.00	359.24	1046.69
226	10	3226.45	375.41	-0.01	-110.96	0.0	2317.62	-626.96	-3.00	287.49	375.41	3226.45
		1068.59	365.93	3.10e-04	0.0	316.2	2317.62	-737.92	-3.00	287.49	365.93	1068.59
226	11	3157.21	386.63	-0.01	-110.96	0.0	2266.52	-611.87	-8.57	285.00	386.63	3157.21
		1047.05	359.53	-1.16e-04	0.0	316.2	2266.52	-722.83	-8.57	285.00	359.53	1047.05
227	1	3013.45	505.06	-0.02	-149.80	0.0	1105.37	-1164.87	-110.86	266.49	505.06	3013.45
		-906.68	154.54	-2.25e-05	0.0	316.2	1105.37	-1314.66	-110.86	266.49	154.54	-906.68
227	2	3132.27	527.17	-0.02	-149.80	0.0	1121.00	-1242.32	-91.53	441.12	527.17	3132.27
		-1032.77	237.75	2.16e-04	0.0	316.2	1121.00	-1392.12	-91.53	441.12	237.75	-1032.77
227	3	3128.36	517.12	-0.02	-149.80	0.0	1099.08	-1202.05	-128.24	283.02	517.12	3128.36
		-909.36	111.63	7.03e-04	0.0	316.2	1099.08	-1351.85	-128.24	283.02	111.63	-909.36
227	4	3093.83	512.55	-0.02	-149.80	0.0	1131.91	-1203.18	-112.39	278.21	512.55	3093.83
		-947.44	157.17	-4.06e-05	0.0	316.2	1131.91	-1352.97	-112.39	278.21	157.17	-947.44
227	5	3021.55	505.99	-0.02	-149.80	0.0	1106.99	-1169.37	-109.66	275.48	505.99	3021.55
		-912.82	159.26	-6.91e-05	0.0	316.2	1106.99	-1319.16	-109.66	275.48	159.26	-912.82
227	6	3014.65	505.59	-0.02	-149.80	0.0	1106.10	-1165.33	-110.98	266.48	505.59	3014.65
		-906.95	154.66	-7.38e-05	0.0	316.2	1106.10	-1315.12	-110.98	266.48	154.66	-906.95
227	7	3009.78	505.06	-0.02	-149.80	0.0	1106.06	-1162.01	-112.62	256.19	505.06	3009.78
		-901.33	148.97	-4.31e-05	0.0	316.2	1106.06	-1311.81	-112.62	256.19	148.97	-901.33
227	8	2413.37	398.32	-0.01	-110.96	0.0	842.98	-928.45	-99.88	219.62	398.32	2413.37
		-697.81	82.49	5.98e-04	0.0	316.2	842.98	-1039.41	-99.88	219.62	82.49	-697.81
227	9	2143.14	359.24	-0.01	-110.96	0.0	787.39	-826.54	-79.07	188.03	359.24	2143.14
		-645.79	109.21	-1.72e-05	0.0	316.2	787.39	-937.50	-79.07	188.03	109.21	-645.79
227	10	2206.98	365.93	-0.01	-110.96	0.0	783.89	-847.20	-88.73	197.21	365.93	2206.98
		-647.29	85.37	3.88e-04	0.0	316.2	783.89	-958.16	-88.73	197.21	85.37	-647.29
227	11	2143.81	359.53	-0.01	-110.96	0.0	787.79	-826.79	-79.14	188.03	359.53	2143.81
		-645.94	109.28	-4.45e-05	0.0	316.2	787.79	-937.75	-79.14	188.03	109.28	-645.94
228	1	4138.64	-452.86	-0.01	-142.69	0.0	2784.82	960.31	19.45	416.88	-511.45	1461.07
		1461.07	-511.45	-3.03e-04	0.0	301.2	2784.82	817.62	19.45	416.88	-452.86	4138.64
228	2	4163.26	-454.55	-0.01	-142.69	0.0	2794.83	963.72	19.40	411.47	-512.98	1475.43
		1475.43	-512.98	-3.06e-04	0.0	301.2	2794.83	821.03	19.40	411.47	-454.55	4163.26
228	3	4254.09	-446.83	-0.01	-142.69	0.0	2884.51	988.91	21.99	425.98	-513.07	1490.39
		1490.39	-513.07	-3.33e-04	0.0	301.2	2884.51	846.22	21.99	425.98	-446.83	4254.09
228	4	4243.57	-438.19	-0.01	-142.69	0.0	2892.10	991.10	17.39	435.81	-490.58	1473.27
		1473.27	-490.58	-5.64e-04	0.0	301.2	2892.10	848.41	17.39	435.81	-438.19	4243.57
228	5	4856.78	-539.71	-0.01	-142.69	0.0	3242.39	1109.95	10.70	335.08	-571.94	1728.49
		1728.49	-571.94	-5.68e-04	0.0	301.2	3242.39	967.26	10.70	335.08	-539.71	4856.78
228	6	4140.39	-450.44	-0.01	-142.69	0.0	2774.23	960.39	19.93	419.93	-510.48	1462.57
		1462.57	-510.48	-5.65e-04	0.0	301.2	2774.23	817.70	19.93	419.93	-450.44	4140.39
228	7	4119.53	-439.04	-0.01	-142.69	0.0	2777.52	959.40	21.31	424.23	-503.21	1444.72
		1444.72	-503.21	-3.20e-04	0.0	301.2	2777.52	816.71	21.31	424.23	-439.04	4119.53
228	8	3278.62	-345.02	-9.69e-03	-105.70	0.0	2223.98	759.80	16.77	327.01	-395.52	1149.27
		1149.27	-395.52	-2.55e-04	0.0	301.2	2223.98	654.11	16.77	327.01	-345.02	3278.62
228	9	2942.25	-318.87	-8.72e-03	-105.70	0.0	1981.12	685.60	14.32	298.15	-362.01	1036.42
		1036.42	-362.01	-2.20e-04	0.0	301.2	1981.12	579.90	14.32	298.15	-318.87	2942.25
228	10	3006.39	-315.52	-8.89e-03	-105.70	0.0	2036.51	701.48	15.73	303.20	-362.91	1052.70
		1052.70	-362.91	-2.36e-04	0.0	301.2	2036.51	595.79	15.73	303.20	-315.52	3006.39
228	11	2943.23	-317.53	-8.73e-03	-105.70	0.0	1975.24	685.64	14.59	299.84	-361.47	1037.25
		1037.25	-361.47	-3.65e-04	0.0	301.2	1975.24	579.95	14.59	299.84	-317.53	2943.23
229	1	5079.50	-287.84	-9.55e-03	-142.69	0.0	4147.66	703.95	54.79	577.75	-452.86	3174.10
		3174.10	-452.86	-3.55e-04	0.0	301.2	4147.66	561.26	54.79	577.75	-287.84	5079.50
229	2	5106.58	-290.02	-9.59e-03	-142.69	0.0	4163.30	705.94	54.62	574.61	-454.55	3195.17
		3195.17	-454.55	-3.56e-04	0.0	301.2	4163.30	563.25	54.62	574.61	-290.02	5106.58
229	3	5214.21	-278.21	-9.79e-03	-142.69	0.0	4297.52	722.01	55.98	589.15	-446.83	3254.39
		3254.39	-446.83	-3.79e-04	0.0	301.2	4297.52	579.33	55.98	589.15	-278.21	5214.21
229	4	5207.21	-273.73	-9.78e-03	-142.69	0.0	4301.66	722.49	54.60	594.72	-438.19	3245.96
		3245.96	-438.19	-6.10e-04	0.0	301.2	4301.66	579.80	54.60	594.72	-273.73	5207.21
229	5	6010.81	-418.49	-0.01	-142.69	0.0	4867.28	831.53	40.25	547.98	-539.71	3721.14
		3721.14	-539.71	-6.11e-04	0.0	301.2	4867.28	688.84	40.25	547.98	-418.49	6010.81
229	6	5081.37	-285.51	-9.56e-03	-142.69	0.0	4136.81	704.05	54.76	580.72	-450.44	3175.65
		3175.65	-450.44	-6.15e-04	0.0	301.2	4136.81	561.36	54.76	580.72	-285.51	5081.37
229	7	5058.76	-272.36	-9.51e-03	-142.69	0.0	4140.47	703.86	55.34	582.22	-439.04	3153.63

		3153.63	-439.04	-3.68e-04	0.0	301.2	4140.47	561.17	55.34	582.22	-272.36	5058.76
229	8	4017.87	-215.30	-7.54e-03	-105.70	0.0	3312.85	553.91	43.07	452.92	-345.02	2508.68
		2508.68	-345.02	-2.91e-04	0.0	301.2	3312.85	448.21	43.07	452.92	-215.30	4017.87
229	9	3611.46	-201.21	-6.79e-03	-105.70	0.0	2951.60	503.24	39.06	412.01	-318.87	2254.88
		2254.88	-318.87	-2.56e-04	0.0	301.2	2951.60	397.55	39.06	412.01	-201.21	3611.46
229	10	3686.30	-195.86	-6.92e-03	-105.70	0.0	3034.86	513.28	39.73	418.35	-315.52	2299.48
		2299.48	-315.52	-2.69e-04	0.0	301.2	3034.86	407.58	39.73	418.35	-195.86	3686.30
229	11	3612.50	-199.92	-6.80e-03	-105.70	0.0	2945.57	503.30	39.05	413.67	-317.53	2255.74
		2255.74	-317.53	-4.01e-04	0.0	301.2	2945.57	397.60	39.05	413.67	-199.92	3612.50
230	1	5568.66	-86.67	-5.99e-03	-142.69	0.0	5080.49	452.55	66.79	685.27	-287.84	4420.46
		4420.46	-287.84	-3.85e-04	0.0	301.2	5080.49	309.86	66.79	685.27	-86.67	5568.66
230	2	5595.96	-89.41	-6.02e-03	-142.69	0.0	5099.21	453.04	66.61	684.81	-290.02	4446.31
		4446.31	-290.02	-3.85e-04	0.0	301.2	5099.21	310.35	66.61	684.81	-89.41	5595.96
230	3	5712.35	-75.84	-6.14e-03	-142.69	0.0	5259.80	461.90	67.19	697.91	-278.21	4535.99
		4535.99	-278.21	-4.04e-04	0.0	301.2	5259.80	319.21	67.19	697.91	-75.84	5712.35
230	4	5707.38	-71.46	-6.14e-03	-142.69	0.0	5260.16	461.63	67.16	701.75	-273.73	4531.84
		4531.84	-273.73	-6.34e-04	0.0	301.2	5260.16	318.94	67.16	701.75	-71.46	5707.38
230	5	6673.42	-230.19	-7.07e-03	-142.69	0.0	6030.12	554.54	62.52	715.94	-418.49	5218.03
		5218.03	-418.49	-6.42e-04	0.0	301.2	6030.12	411.85	62.52	715.94	-230.19	6673.42
230	6	5571.23	-83.44	-6.01e-03	-142.69	0.0	5068.26	452.54	67.09	687.70	-285.51	4423.06
		4423.06	-285.51	-6.45e-04	0.0	301.2	5068.26	309.85	67.09	687.70	-83.44	5571.23
230	7	5548.19	-72.00	-5.98e-03	-142.69	0.0	5073.11	453.07	66.52	686.29	-272.36	4398.42
		4398.42	-272.36	-3.94e-04	0.0	301.2	5073.11	310.38	66.52	686.29	-72.00	5548.19
230	8	4401.40	-59.38	-4.73e-03	-105.70	0.0	4054.04	353.43	51.77	537.03	-215.30	3496.05
		3496.05	-215.30	-3.10e-04	0.0	301.2	4054.04	247.73	51.77	537.03	-59.38	4401.40
230	9	3959.40	-58.52	-4.26e-03	-105.70	0.0	3615.80	324.35	47.37	487.80	-201.21	3141.65
		3141.65	-201.21	-2.76e-04	0.0	301.2	3615.80	218.65	47.37	487.80	-58.52	3959.40
230	10	4039.23	-52.50	-4.34e-03	-105.70	0.0	3715.41	329.54	47.60	494.82	-195.86	3205.83
		3205.83	-195.86	-2.87e-04	0.0	301.2	3715.41	223.85	47.60	494.82	-52.50	4039.23
230	11	3960.84	-56.72	-4.27e-03	-105.70	0.0	3609.01	324.34	47.54	489.15	-199.92	3143.09
		3143.09	-199.92	-4.21e-04	0.0	301.2	3609.01	218.65	47.54	489.15	-56.72	3960.84
231	1	5596.66	95.50	-1.95e-03	-142.69	0.0	5571.26	196.40	60.48	732.94	-86.67	5220.00
		5220.00	-86.67	-3.81e-04	0.0	301.2	5571.26	53.71	60.48	732.94	95.50	5596.66
231	2	5621.78	92.15	-1.95e-03	-142.69	0.0	5590.75	195.42	60.28	735.28	-89.41	5248.07
		5248.07	-89.41	-3.79e-04	0.0	301.2	5590.75	52.73	60.28	735.28	92.15	5621.78
231	3	5739.45	105.22	-2.00e-03	-142.69	0.0	5762.21	197.90	60.11	746.60	-75.84	5358.25
		5358.25	-75.84	-3.94e-04	0.0	301.2	5762.21	55.21	60.11	746.60	105.22	5739.45
231	4	5736.33	112.01	-2.00e-03	-142.69	0.0	5758.03	197.39	60.91	749.21	-71.46	5356.67
		5356.67	-71.46	-6.23e-04	0.0	301.2	5758.03	54.70	60.91	749.21	112.01	5736.33
231	5	6835.77	-39.23	-2.24e-03	-142.69	0.0	6726.11	277.61	63.40	833.88	-230.19	6214.50
		6214.50	-230.19	-6.37e-04	0.0	301.2	6726.11	134.92	63.40	833.88	-39.23	6835.77
231	6	5600.06	100.76	-1.96e-03	-142.69	0.0	5556.74	196.20	61.16	734.74	-83.44	5224.00
		5224.00	-83.44	-6.40e-04	0.0	301.2	5556.74	53.51	61.16	734.74	100.76	5600.06
231	7	5578.30	107.86	-1.95e-03	-142.69	0.0	5563.55	197.45	59.71	730.63	-72.00	5198.46
		5198.46	-72.00	-3.87e-04	0.0	301.2	5563.55	54.76	59.71	730.63	107.86	5578.30
231	8	4422.16	80.19	-1.54e-03	-105.70	0.0	4440.74	150.02	46.34	574.90	-59.38	4129.48
		4129.48	-59.38	-3.02e-04	0.0	301.2	4440.74	44.32	46.34	574.90	80.19	4422.16
231	9	3979.45	70.33	-1.39e-03	-105.70	0.0	3965.19	142.08	42.78	521.09	-58.52	3710.69
		3710.69	-58.52	-2.73e-04	0.0	301.2	3965.19	36.38	42.78	521.09	70.33	3979.45
231	10	4058.78	75.73	-1.41e-03	-105.70	0.0	4071.27	142.92	42.57	528.68	-52.50	3787.49
		3787.49	-52.50	-2.80e-04	0.0	301.2	4071.27	37.22	42.57	528.68	75.73	4058.78
231	11	3981.34	73.25	-1.39e-03	-105.70	0.0	3957.12	141.97	43.15	522.09	-56.72	3712.90
		3712.90	-56.72	-4.16e-04	0.0	301.2	3957.12	36.27	43.15	522.09	73.25	3981.34
232	1	5570.32	260.67	-2.23e-03	-142.69	0.0	5608.99	-61.60	54.84	717.00	95.50	5570.32
		5169.91	95.50	-3.52e-04	0.0	301.2	5608.99	-204.28	54.84	717.00	260.67	5169.91
232	2	5597.65	256.83	-2.25e-03	-142.69	0.0	5627.39	-63.82	54.67	721.92	92.15	5597.65
		5190.52	92.15	-3.49e-04	0.0	301.2	5627.39	-206.51	54.67	721.92	256.83	5190.52
232	3	5719.74	267.88	-2.30e-03	-142.69	0.0	5795.81	-67.57	54.00	731.68	105.22	5719.74
		5301.32	105.22	-3.59e-04	0.0	301.2	5795.81	-210.26	54.00	731.68	267.88	5301.32
232	4	5720.61	279.24	-2.30e-03	-142.69	0.0	5786.02	-68.17	55.52	732.87	112.01	5720.61
		5300.39	112.01	-5.86e-04	0.0	301.2	5786.02	-210.86	55.52	732.87	279.24	5300.39
232	5	6851.03	231.17	-2.82e-03	-142.69	0.0	6721.15	-229.66	89.77	883.70	-39.23	6851.03
		5944.41	-39.23	-6.00e-04	0.0	301.2	6721.15	-372.35	89.77	883.70	231.17	5944.41
232	6	5575.95	269.78	-2.23e-03	-142.69	0.0	5590.98	-62.06	56.11	717.81	100.76	5575.95
		5174.14	100.76	-6.09e-04	0.0	301.2	5590.98	-204.75	56.11	717.81	269.78	5174.14
232	7	5550.94	269.68	-2.22e-03	-142.69	0.0	5601.13	-60.07	53.73	711.89	107.86	5550.94
		5155.12	107.86	-3.54e-04	0.0	301.2	5601.13	-202.76	53.73	711.89	269.68	5155.12
232	8	4407.94	205.57	-1.77e-03	-105.70	0.0	4466.16	-54.52	41.63	563.79	80.19	4407.94
		4084.56	80.19	-2.75e-04	0.0	301.2	4466.16	-160.21	41.63	563.79	205.57	4084.56
232	9	3960.25	186.95	-1.59e-03	-105.70	0.0	3992.07	-41.48	38.72	509.28	70.33	3960.25
		3676.15	70.33	-2.51e-04	0.0	301.2	3992.07	-147.17	38.72	509.28	186.95	3676.15
232	10	4043.26	190.95	-1.63e-03	-105.70	0.0	4095.86	-44.80	38.25	517.43	75.73	4043.26

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		3749.16	75.73	-2.55e-04	0.0	301.2	4095.86	-150.49	38.25	517.43	190.95	3749.16
232	11	3963.37	192.01	-1.59e-03	-105.70	0.0	3982.07	-41.73	39.43	509.73	73.25	3963.37
		3678.50	73.25	-3.94e-04	0.0	301.2	3982.07	-147.43	39.43	509.73	192.01	3678.50
233	1	5478.35	403.68	-6.22e-03	-142.69	0.0	5180.05	-316.76	47.48	644.85	260.67	5478.35
		4309.37	260.67	-2.98e-04	0.0	301.2	5180.05	-459.45	47.48	644.85	403.68	4309.37
233	2	5502.10	399.60	-6.26e-03	-142.69	0.0	5196.02	-319.91	47.40	651.91	256.83	5502.10
		4323.62	256.83	-2.96e-04	0.0	301.2	5196.02	-462.60	47.40	651.91	399.60	4323.62
233	3	5627.32	408.29	-6.39e-03	-142.69	0.0	5348.17	-330.13	46.61	660.55	267.88	5627.32
		4418.07	267.88	-3.01e-04	0.0	301.2	5348.17	-472.82	46.61	660.55	408.29	4418.07
233	4	5631.63	426.03	-6.39e-03	-142.69	0.0	5330.73	-330.75	48.74	659.86	279.24	5631.63
		4420.54	279.24	-5.24e-04	0.0	301.2	5330.73	-473.44	48.74	659.86	426.03	4420.54
233	5	6488.67	419.70	-7.49e-03	-142.69	0.0	6021.09	-481.47	62.59	845.24	231.17	6488.67
		4823.58	231.17	-5.32e-04	0.0	301.2	6021.09	-624.16	62.59	845.24	419.70	4823.58
233	6	5486.50	419.64	-6.22e-03	-142.69	0.0	5156.11	-317.49	49.75	643.96	269.78	5486.50
		4315.33	269.78	-5.53e-04	0.0	301.2	5156.11	-460.18	49.75	643.96	419.64	4315.33
233	7	5462.27	408.99	-6.20e-03	-142.69	0.0	5172.73	-314.86	46.25	637.64	269.68	5462.27
		4299.01	269.68	-2.99e-04	0.0	301.2	5172.73	-457.55	46.25	637.64	408.99	4299.01
233	8	4336.69	313.79	-4.93e-03	-105.70	0.0	4120.78	-256.81	35.93	509.38	205.57	4336.69
		3403.99	205.57	-2.31e-04	0.0	301.2	4120.78	-362.51	35.93	509.38	313.79	3403.99
233	9	3895.26	287.82	-4.43e-03	-105.70	0.0	3686.86	-223.02	33.49	457.65	186.95	3895.26
		3064.35	186.95	-2.13e-04	0.0	301.2	3686.86	-328.71	33.49	457.65	287.82	3064.35
233	10	3978.02	290.38	-4.52e-03	-105.70	0.0	3780.26	-230.45	33.01	466.37	190.95	3978.02
		3124.73	190.95	-2.14e-04	0.0	301.2	3780.26	-336.14	33.01	466.37	290.38	3124.73
233	11	3899.78	296.69	-4.43e-03	-105.70	0.0	3673.57	-223.42	34.76	457.16	192.01	3899.78
		3067.65	192.01	-3.54e-04	0.0	301.2	3673.57	-329.12	34.76	457.16	296.69	3067.65
234	1	4955.33	496.40	-9.69e-03	-142.69	0.0	4280.57	-567.19	30.79	523.25	403.68	4955.33
		3032.07	403.68	-2.27e-04	0.0	301.2	4280.57	-709.88	30.79	523.25	496.40	3032.07
234	2	4973.24	493.52	-9.73e-03	-142.69	0.0	4293.15	-570.92	31.18	531.57	399.60	4973.24
		3038.75	399.60	-2.25e-04	0.0	301.2	4293.15	-713.61	31.18	531.57	493.52	3038.75
234	3	5091.50	500.24	-9.95e-03	-142.69	0.0	4416.08	-587.94	30.53	539.37	408.29	5091.50
		3105.72	408.29	-2.27e-04	0.0	301.2	4416.08	-730.63	30.53	539.37	500.24	3105.72
234	4	5101.37	518.43	-9.95e-03	-142.69	0.0	4387.70	-588.08	30.68	537.83	426.03	5101.37
		3115.20	426.03	-4.43e-04	0.0	301.2	4387.70	-730.77	30.68	537.83	518.43	3115.20
234	5	5699.13	538.38	-0.01	-142.69	0.0	4843.46	-724.82	39.40	729.81	419.70	5699.13
		3301.10	419.70	-4.48e-04	0.0	301.2	4843.46	-867.51	39.40	729.81	538.38	3301.10
234	6	4968.54	514.40	-9.69e-03	-142.69	0.0	4245.92	-567.59	31.46	521.65	419.64	4968.54
		3044.06	419.64	-4.75e-04	0.0	301.2	4245.92	-710.28	31.46	521.65	514.40	3044.06
234	7	4943.19	498.35	-9.65e-03	-142.69	0.0	4274.77	-564.99	29.67	514.68	408.99	4943.19
		3026.54	408.99	-2.26e-04	0.0	301.2	4274.77	-707.68	29.67	514.68	498.35	3026.54
234	8	3923.75	384.70	-7.66e-03	-105.70	0.0	3402.15	-455.44	23.54	416.39	313.79	3923.75
		2392.79	313.79	-1.73e-04	0.0	301.2	3402.15	-561.14	23.54	416.39	384.70	2392.79
234	9	3523.67	353.21	-6.89e-03	-105.70	0.0	3046.87	-401.21	21.71	370.96	287.82	3523.67
		2156.04	287.82	-1.62e-04	0.0	301.2	3046.87	-506.91	21.71	370.96	353.21	2156.04
234	10	3599.32	355.34	-7.03e-03	-105.70	0.0	3122.15	-412.74	21.57	379.92	290.38	3599.32
		2196.95	290.38	-1.62e-04	0.0	301.2	3122.15	-518.44	21.57	379.92	355.34	2196.95
234	11	3531.01	363.21	-6.89e-03	-105.70	0.0	3027.61	-401.44	22.08	370.08	296.69	3531.01
		2162.69	296.69	-2.99e-04	0.0	301.2	3027.61	-507.14	22.08	370.08	363.21	2162.69
235	1	4025.40	496.40	-0.01	-142.69	0.0	2902.44	-819.92	-11.78	370.25	496.40	4025.40
		1340.92	460.92	-1.48e-04	0.0	301.2	2902.44	-962.61	-11.78	370.25	460.92	1340.92
235	2	4036.85	493.52	-0.01	-142.69	0.0	2909.81	-823.83	-10.96	379.07	493.52	4036.85
		1340.60	460.52	-1.47e-04	0.0	301.2	2909.81	-966.52	-10.96	379.07	460.52	1340.60
235	3	4135.71	500.24	-0.01	-142.69	0.0	2991.22	-848.13	-11.38	385.29	500.24	4135.71
		1366.25	465.95	-1.47e-04	0.0	301.2	2991.22	-990.82	-11.38	385.29	465.95	1366.25
235	4	4152.23	518.43	-0.01	-142.69	0.0	2952.24	-847.11	-12.08	382.09	518.43	4152.23
		1385.85	482.05	-3.56e-04	0.0	301.2	2952.24	-989.80	-12.08	382.09	482.05	1385.85
235	5	4515.70	538.38	-0.01	-142.69	0.0	3184.47	-966.33	-4.53	565.32	538.38	4515.70
		1390.22	524.74	-3.61e-04	0.0	301.2	3184.47	-1109.02	-4.53	565.32	524.74	1390.22
235	6	4045.07	514.40	-0.01	-142.69	0.0	2856.21	-819.01	-12.33	367.36	514.40	4045.07
		1363.33	477.25	-3.88e-04	0.0	301.2	2856.21	-961.70	-12.33	367.36	477.25	1363.33
235	7	4017.38	498.35	-0.01	-142.69	0.0	2899.25	-817.42	-12.69	360.98	498.35	4017.38
		1340.43	460.12	-1.47e-04	0.0	301.2	2899.25	-960.11	-12.69	360.98	460.12	1340.43
235	8	3187.07	384.70	-9.73e-03	-105.70	0.0	2303.98	-655.87	-8.68	297.98	384.70	3187.07
		1052.42	358.56	-1.12e-04	0.0	301.2	2303.98	-761.56	-8.68	297.98	358.56	1052.42
235	9	2862.61	353.21	-8.75e-03	-105.70	0.0	2066.19	-581.08	-8.48	262.02	353.21	2862.61
		953.22	327.67	-1.06e-04	0.0	301.2	2066.19	-686.78	-8.48	262.02	327.67	953.22
235	10	2923.90	355.34	-8.94e-03	-105.70	0.0	2115.52	-596.76	-8.26	270.37	355.34	2923.90
		967.29	330.47	-1.05e-04	0.0	301.2	2115.52	-702.45	-8.26	270.37	330.47	967.29
235	11	2873.54	363.21	-8.76e-03	-105.70	0.0	2040.51	-580.58	-8.79	260.41	363.21	2873.54
		965.67	336.74	-2.39e-04	0.0	301.2	2040.51	-686.27	-8.79	260.41	336.74	965.67
236	1	2730.98	460.92	-0.01	-142.69	0.0	1020.10	-1109.92	-103.63	250.26	460.92	2730.98
		-826.97	148.79	-6.55e-05	0.0	301.2	1020.10	-1252.61	-103.63	250.26	148.79	-826.97
236	2	2736.17	460.52	-0.01	-142.69	0.0	1020.88	-1113.65	-102.17	258.60	460.52	2736.17

236	3	-833.02	152.79	-6.48e-05	0.0	301.2	1020.88	-1256.34	-102.17	258.60	152.79	-833.02
		2802.65	465.95	-0.01	-142.69	0.0	1046.59	-1146.84	-104.45	262.86	465.95	2802.65
		-866.53	151.35	-6.48e-05	0.0	301.2	1046.59	-1289.53	-104.45	262.86	151.35	-866.53
236	4	2834.68	482.05	-0.01	-142.69	0.0	991.29	-1144.24	-111.15	263.50	482.05	2834.68
		-826.65	147.27	-2.63e-04	0.0	301.2	991.29	-1286.93	-111.15	263.50	147.27	-826.65
236	5	2994.23	524.74	-0.02	-142.69	0.0	1019.65	-1241.76	-101.41	426.49	524.74	2994.23
		-960.84	219.31	-2.67e-04	0.0	301.2	1019.65	-1384.45	-101.41	426.49	219.31	-960.84
236	6	2765.43	477.25	-0.01	-142.69	0.0	957.57	-1106.82	-110.56	251.23	477.25	2765.43
		-783.20	144.25	-2.96e-04	0.0	301.2	957.57	-1249.51	-110.56	251.23	144.25	-783.20
236	7	2727.27	460.12	-0.01	-142.69	0.0	1020.51	-1107.10	-105.08	241.26	460.12	2727.27
		-822.21	143.63	-6.47e-05	0.0	301.2	1020.51	-1249.79	-105.08	241.26	143.63	-822.21
236	8	2159.58	358.56	-0.01	-105.70	0.0	805.44	-885.93	-80.25	203.76	358.56	2159.58
		-668.02	116.85	-4.87e-05	0.0	301.2	805.44	-991.63	-80.25	203.76	116.85	-668.02
236	9	1942.16	327.67	-9.80e-03	-105.70	0.0	726.63	-787.54	-73.89	176.62	327.67	1942.16
		-589.08	105.12	-4.71e-05	0.0	301.2	726.63	-893.23	-73.89	176.62	105.12	-589.08
236	10	1981.97	330.47	-0.01	-105.70	0.0	741.34	-808.05	-74.34	183.62	330.47	1981.97
		-611.06	106.54	-4.68e-05	0.0	301.2	741.34	-913.75	-74.34	183.62	106.54	-611.06
236	11	1961.30	336.74	-9.82e-03	-105.70	0.0	691.89	-785.82	-77.74	177.16	336.74	1961.30
		-564.76	102.60	-1.75e-04	0.0	301.2	691.89	-891.51	-77.74	177.16	102.60	-564.76
237	1	4622.39	-540.63	-0.02	-149.80	0.0	3078.07	1018.23	11.03	414.61	-575.51	1639.58
		1639.58	-575.51	2.64e-04	0.0	316.2	3078.07	868.43	11.03	414.61	-540.63	4622.39
237	2	5351.88	-652.26	-0.02	-149.80	0.0	3555.97	1160.50	-6.66	273.58	-652.26	1919.21
		1919.21	-673.33	6.18e-05	0.0	316.2	3555.97	1010.70	-6.66	273.58	-673.33	5351.88
237	3	4718.40	-515.61	-0.02	-149.80	0.0	3022.59	1045.77	22.53	469.97	-586.84	1648.51
		1648.51	-586.84	-4.09e-04	0.0	316.2	3022.59	895.97	22.53	469.97	-515.61	4718.40
237	4	4667.70	-513.08	-0.02	-149.80	0.0	3198.65	1046.11	13.33	468.03	-555.22	1596.72
		1596.72	-555.22	3.35e-04	0.0	316.2	3198.65	896.32	13.33	468.03	-513.08	4667.70
237	5	4647.45	-544.35	-0.02	-149.80	0.0	3178.40	1026.78	7.44	404.54	-567.89	1637.60
		1637.60	-567.89	3.36e-04	0.0	316.2	3178.40	876.99	7.44	404.54	-544.35	4647.45
237	6	4607.76	-541.61	-0.02	-149.80	0.0	3133.94	1017.93	8.16	411.84	-567.40	1625.90
		1625.90	-567.40	3.35e-04	0.0	316.2	3133.94	868.13	8.16	411.84	-541.61	4607.76
237	7	4557.24	-519.08	-0.01	-149.80	0.0	3113.47	1013.55	10.67	430.40	-552.81	1589.23
		1589.23	-552.81	3.23e-04	0.0	316.2	3113.47	863.75	10.67	430.40	-519.08	4557.24
237	8	3639.42	-397.18	-0.01	-110.96	0.0	2313.02	803.77	18.18	363.39	-454.66	1273.32
		1273.32	-454.66	-3.73e-04	0.0	316.2	2313.02	692.81	18.18	363.39	-397.18	3639.42
237	9	3277.26	-379.81	-0.01	-110.96	0.0	2196.81	726.15	7.92	298.46	-404.87	1156.60
		1156.60	-404.87	1.96e-04	0.0	316.2	2196.81	615.19	7.92	298.46	-379.81	3277.26
237	10	3330.60	-365.92	-0.01	-110.96	0.0	2165.99	741.45	14.31	329.21	-411.17	1161.56
		1161.56	-411.17	-1.78e-04	0.0	316.2	2165.99	630.49	14.31	329.21	-365.92	3330.60
237	11	3269.13	-380.36	-0.01	-110.96	0.0	2227.85	725.99	6.33	296.92	-400.36	1149.00
		1149.00	-400.36	2.35e-04	0.0	316.2	2227.85	615.03	6.33	296.92	-380.36	3269.13
238	1	5600.09	-358.55	-0.01	-149.80	0.0	4666.67	747.03	57.58	598.46	-540.63	3474.81
		3474.81	-540.63	3.48e-04	0.0	316.2	4666.67	597.23	57.58	598.46	-358.55	5600.09
238	2	6527.51	-544.88	-0.01	-149.80	0.0	5444.09	870.21	40.62	517.93	-673.33	4012.72
		4012.72	-673.33	7.72e-05	0.0	316.2	5444.09	720.42	40.62	517.93	-544.88	6527.51
238	3	5706.93	-318.98	-0.01	-149.80	0.0	4698.16	773.85	62.19	647.36	-515.61	3496.84
		3496.84	-515.61	-3.29e-04	0.0	316.2	4698.16	624.05	62.19	647.36	-318.98	5706.93
238	4	5681.04	-321.80	-0.01	-149.80	0.0	4819.42	767.64	60.49	641.98	-513.08	3490.58
		3490.58	-513.08	4.15e-04	0.0	316.2	4819.42	617.85	60.49	641.98	-321.80	5681.04
238	5	5638.49	-364.57	-0.01	-149.80	0.0	4768.93	750.27	56.86	590.54	-544.35	3502.97
		3502.97	-544.35	4.20e-04	0.0	316.2	4768.93	600.47	56.86	590.54	-364.57	5638.49
238	6	5593.17	-361.52	-0.01	-149.80	0.0	4705.46	745.11	56.95	595.12	-541.61	3473.96
		3473.96	-541.61	4.20e-04	0.0	316.2	4705.46	595.31	56.95	595.12	-361.52	5593.17
238	7	5537.78	-336.33	-0.01	-149.80	0.0	4679.30	743.07	57.80	606.64	-519.08	3425.01
		3425.01	-519.08	4.03e-04	0.0	316.2	4679.30	593.28	57.80	606.64	-336.33	5537.78
238	8	4399.29	-245.10	-9.22e-03	-110.96	0.0	3608.81	594.76	48.10	500.02	-397.18	2694.09
		2694.09	-397.18	-3.11e-04	0.0	316.2	3608.81	483.80	48.10	500.02	-245.10	4399.29
238	9	3973.50	-250.02	-8.32e-03	-110.96	0.0	3324.17	533.32	41.05	427.79	-379.81	2462.56
		2462.56	-379.81	2.55e-04	0.0	316.2	3324.17	422.36	41.05	427.79	-250.02	3973.50
238	10	4032.86	-228.03	-8.46e-03	-110.96	0.0	3341.66	548.22	43.61	454.95	-365.92	2474.80
		2474.80	-365.92	-1.21e-04	0.0	316.2	3341.66	437.26	43.61	454.95	-228.03	4032.86
238	11	3969.66	-251.67	-8.33e-03	-110.96	0.0	3345.71	532.26	40.70	425.93	-380.36	2462.09
		2462.09	-380.36	2.95e-04	0.0	316.2	3345.71	421.30	40.70	425.93	-251.67	3969.66
239	1	6120.89	-157.84	-7.42e-03	-149.80	0.0	5716.74	479.03	63.48	739.87	-358.55	4843.03
		4843.03	-358.55	3.91e-04	0.0	316.2	5716.74	329.23	63.48	739.87	-157.84	6120.89
239	2	7213.90	-368.25	-8.56e-03	-149.80	0.0	6750.94	577.11	55.86	736.93	-544.88	5625.92
		5625.92	-544.88	1.20e-04	0.0	316.2	6750.94	427.31	55.86	736.93	-368.25	7213.90
239	3	6242.65	-112.42	-7.60e-03	-149.80	0.0	5805.96	500.80	65.32	775.16	-318.98	4895.94
		4895.94	-318.98	-2.92e-04	0.0	316.2	5805.96	351.01	65.32	775.16	-112.42	6242.65
239	4	6223.27	-116.51	-7.59e-03	-149.80	0.0	5893.67	494.14	64.92	770.67	-321.80	4897.62
		4897.62	-321.80	4.52e-04	0.0	316.2	5893.67	344.35	64.92	770.67	-116.51	6223.27
239	5	6163.59	-164.70	-7.48e-03	-149.80	0.0	5818.54	478.60	63.21	736.22	-364.57	4887.08

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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239	6	4887.08	-364.57	4.61e-04	0.0	316.2	5818.54	328.80	63.21	736.22	-164.70	6163.59
		6116.72	-161.13	-7.42e-03	-149.80	0.0	5744.09	476.93	63.38	737.21	-361.52	4845.49
		4845.49	-361.52	4.64e-04	0.0	316.2	5744.09	327.14	63.38	737.21	-161.13	6116.72
239	7	6061.19	-136.35	-7.37e-03	-149.80	0.0	5714.83	477.20	63.25	740.44	-336.33	4789.12
		4789.12	-336.33	4.42e-04	0.0	316.2	5714.83	327.40	63.25	740.44	-136.35	6061.19
239	8	4811.69	-85.77	-5.86e-03	-110.96	0.0	4465.42	384.44	50.39	598.00	-245.10	3771.53
		3771.53	-245.10	-2.83e-04	0.0	316.2	4465.42	273.48	50.39	598.00	-85.77	4811.69
239	9	4344.62	-107.44	-5.27e-03	-110.96	0.0	4069.50	342.94	45.09	526.89	-250.02	3435.66
		3435.66	-250.02	2.84e-04	0.0	316.2	4069.50	231.98	45.09	526.89	-107.44	4344.62
239	10	4412.26	-82.21	-5.37e-03	-110.96	0.0	4119.06	355.04	46.12	546.49	-228.03	3465.05
		3465.05	-228.03	-9.56e-05	0.0	316.2	4119.06	244.08	46.12	546.49	-82.21	4412.26
239	11	4342.30	-109.27	-5.28e-03	-110.96	0.0	4084.69	341.78	45.04	525.41	-251.67	3437.02
		3437.02	-251.67	3.25e-04	0.0	316.2	4084.69	230.82	45.04	525.41	-109.27	4342.30
240	1	6155.81	44.64	-2.52e-03	-149.80	0.0	6255.12	209.22	64.03	810.84	-157.84	5731.09
		5731.09	-157.84	4.02e-04	0.0	316.2	6255.12	59.42	64.03	810.84	44.64	6155.81
240	2	7378.54	-159.63	-2.81e-03	-149.80	0.0	7511.52	285.62	65.98	897.53	-368.25	6712.23
		6712.23	-368.25	1.46e-04	0.0	316.2	7511.52	135.83	65.98	897.53	-159.63	7378.54
240	3	6287.10	89.84	-2.62e-03	-149.80	0.0	6380.54	224.39	63.97	830.63	-112.42	5814.39
		5814.39	-112.42	-2.90e-04	0.0	316.2	6380.54	74.60	63.97	830.63	89.84	6287.10
240	4	6270.55	86.57	-2.62e-03	-149.80	0.0	6445.43	219.35	64.22	826.85	-116.51	5813.80
		5813.80	-116.51	4.56e-04	0.0	316.2	6445.43	69.55	64.22	826.85	86.57	6270.55
240	5	6197.88	37.32	-2.55e-03	-149.80	0.0	6351.21	205.85	63.89	811.81	-164.70	5783.80
		5783.80	-164.70	4.71e-04	0.0	316.2	6351.21	56.06	63.89	811.81	37.32	6197.88
240	6	6153.15	41.74	-2.53e-03	-149.80	0.0	6274.04	207.50	64.16	808.90	-161.13	5733.87
		5733.87	-161.13	4.75e-04	0.0	316.2	6274.04	57.70	64.16	808.90	41.74	6153.15
240	7	6102.55	63.79	-2.53e-03	-149.80	0.0	6244.03	209.96	63.29	803.95	-136.35	5675.48
		5675.48	-136.35	4.49e-04	0.0	316.2	6244.03	60.17	63.29	803.95	63.79	6102.55
240	8	4845.92	70.04	-2.02e-03	-110.96	0.0	4910.39	171.38	49.28	640.25	-85.77	4479.45
		4479.45	-85.77	-2.81e-04	0.0	316.2	4910.39	60.42	49.28	640.25	70.04	4845.92
240	9	4370.66	35.98	-1.80e-03	-110.96	0.0	4451.37	151.33	45.36	575.89	-107.44	4067.59
		4067.59	-107.44	2.91e-04	0.0	316.2	4451.37	40.37	45.36	575.89	35.98	4370.66
240	10	4443.60	61.10	-1.85e-03	-110.96	0.0	4521.04	159.76	45.32	586.89	-82.21	4113.86
		4113.86	-82.21	-9.35e-05	0.0	316.2	4521.04	48.80	45.32	586.89	61.10	4443.60
240	11	4369.18	34.38	-1.80e-03	-110.96	0.0	4461.88	150.37	45.43	574.81	-109.27	4069.13
		4069.13	-109.27	3.31e-04	0.0	316.2	4461.88	39.41	45.43	574.81	34.38	4369.18
241	1	6136.60	233.60	-2.56e-03	-149.80	0.0	6279.38	-61.68	59.76	814.11	44.64	6136.60
		5704.74	44.64	3.75e-04	0.0	316.2	6279.38	-211.48	59.76	814.11	233.60	5704.74
241	2	7416.44	136.64	-3.21e-03	-149.80	0.0	7488.98	-234.45	93.70	988.16	-159.63	7416.44
		6438.30	-159.63	1.29e-04	0.0	316.2	7488.98	-384.24	93.70	988.16	136.64	6438.30
241	3	6244.90	273.81	-2.55e-03	-149.80	0.0	6420.58	-53.62	58.18	818.53	89.84	6244.90
		5838.54	89.84	-3.24e-04	0.0	316.2	6420.58	-203.41	58.18	818.53	273.81	5838.54
241	4	6240.27	272.66	-2.54e-03	-149.80	0.0	6471.12	-56.94	58.85	815.09	86.57	6240.27
		5823.39	86.57	4.23e-04	0.0	316.2	6471.12	-206.74	58.85	815.09	272.66	5823.39
241	5	6193.02	225.90	-2.57e-03	-149.80	0.0	6364.14	-67.77	59.64	819.77	37.32	6193.02
		5741.90	37.32	4.43e-04	0.0	316.2	6364.14	-217.57	59.64	819.77	225.90	5741.90
241	6	6139.02	231.30	-2.55e-03	-149.80	0.0	6292.16	-62.95	59.95	812.81	41.74	6139.02
		5703.14	41.74	4.50e-04	0.0	316.2	6292.16	-212.75	59.95	812.81	231.30	5703.14
241	7	6084.04	248.87	-2.51e-03	-149.80	0.0	6263.68	-58.60	58.53	800.59	63.79	6084.04
		5661.92	63.79	4.20e-04	0.0	316.2	6263.68	-208.40	58.53	800.59	248.87	5661.92
241	8	4811.64	211.64	-1.97e-03	-110.96	0.0	4942.86	-42.92	44.78	630.49	70.04	4811.64
		4500.49	70.04	-3.07e-04	0.0	316.2	4942.86	-153.88	44.78	630.49	211.64	4500.49
241	9	4356.96	169.44	-1.81e-03	-110.96	0.0	4467.91	-41.11	42.21	576.90	35.98	4356.96
		4051.54	35.98	2.71e-04	0.0	316.2	4467.91	-152.07	42.21	576.90	169.44	4051.54
241	10	4417.13	191.78	-1.81e-03	-110.96	0.0	4546.36	-36.63	41.33	579.35	61.10	4417.13
		4125.87	61.10	-1.17e-04	0.0	316.2	4546.36	-147.59	41.33	579.35	191.78	4125.87
241	11	4358.31	168.16	-1.80e-03	-110.96	0.0	4475.02	-41.82	42.31	576.17	34.38	4358.31
		4050.65	34.38	3.12e-04	0.0	316.2	4475.02	-152.78	42.31	576.17	168.16	4050.65
242	1	6056.48	417.06	-7.41e-03	-149.80	0.0	5789.53	-331.34	58.02	745.66	233.60	6056.48
		4771.96	233.60	3.22e-04	0.0	316.2	5789.53	-481.13	58.02	745.66	417.06	4771.96
242	2	7053.33	371.53	-8.79e-03	-149.80	0.0	6708.71	-499.68	74.29	971.43	136.64	7053.33
		5236.52	136.64	7.87e-05	0.0	316.2	6708.71	-649.48	74.29	971.43	371.53	5236.52
242	3	6183.18	446.68	-7.51e-03	-149.80	0.0	5926.43	-331.12	54.67	736.61	273.81	6183.18
		4899.34	273.81	-3.84e-04	0.0	316.2	5926.43	-480.92	54.67	736.61	446.68	4899.34
242	4	6174.45	450.50	-7.50e-03	-149.80	0.0	5969.48	-333.07	56.24	732.58	272.66	6174.45
		4884.46	272.66	3.64e-04	0.0	316.2	5969.48	-482.86	56.24	732.58	450.50	4884.46
242	5	6111.63	409.65	-7.46e-03	-149.80	0.0	5857.82	-340.03	58.11	755.78	225.90	6111.63
		4799.63	225.90	3.89e-04	0.0	316.2	5857.82	-489.83	58.11	755.78	409.65	4799.63
242	6	6058.51	415.40	-7.40e-03	-149.80	0.0	5797.94	-332.27	58.22	744.88	231.30	6058.51
		4771.06	231.30	3.97e-04	0.0	316.2	5797.94	-482.06	58.22	744.88	415.40	4771.06
242	7	6011.77	427.17	-7.33e-03	-149.80	0.0	5773.13	-326.49	56.39	726.98	248.87	6011.77
		4742.57	248.87	3.64e-04	0.0	316.2	5773.13	-476.29	56.39	726.98	427.17	4742.57
242	8	4764.77	344.37	-5.79e-03	-110.96	0.0	4563.14	-256.84	41.98	567.09	211.64	4764.77

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		3777.22	211.64	-3.53e-04	0.0	316.2	4563.14	-367.80	41.98	567.09	344.37	3777.22
242	9	4301.53	298.74	-5.26e-03	-110.96	0.0	4119.10	-232.76	40.89	527.16	169.44	4301.53
		3390.11	169.44	2.33e-04	0.0	316.2	4119.10	-343.72	40.89	527.16	298.74	3390.11
242	10	4371.92	315.19	-5.32e-03	-110.96	0.0	4195.16	-232.64	39.03	522.13	191.78	4371.92
		3460.87	191.78	-1.60e-04	0.0	316.2	4195.16	-343.60	39.03	522.13	315.19	3460.87
242	11	4302.66	297.82	-5.25e-03	-110.96	0.0	4123.78	-233.28	41.01	526.72	168.16	4302.66
		3389.61	168.16	2.74e-04	0.0	316.2	4123.78	-344.24	41.01	526.72	297.82	3389.61
243	1	5502.31	558.92	-0.01	-149.80	0.0	4773.38	-598.16	44.86	611.99	417.06	5502.31
		3374.10	417.06	2.42e-04	0.0	316.2	4773.38	-747.96	44.86	611.99	558.92	3374.10
243	2	6222.87	544.21	-0.01	-149.80	0.0	5394.68	-758.64	54.61	860.65	371.53	6222.87
		3587.24	371.53	-3.04e-05	0.0	316.2	5394.68	-908.43	54.61	860.65	544.21	3587.24
243	3	5639.08	569.41	-0.01	-149.80	0.0	4886.00	-607.53	38.82	593.14	446.68	5639.08
		3481.26	446.68	-4.69e-04	0.0	316.2	4886.00	-757.32	38.82	593.14	569.41	3481.26
243	4	5626.38	583.58	-0.01	-149.80	0.0	4926.59	-608.08	42.09	586.84	450.50	5626.38
		3466.81	450.50	2.78e-04	0.0	316.2	4926.59	-757.87	42.09	586.84	583.58	3466.81
243	5	5550.10	552.50	-0.01	-149.80	0.0	4821.40	-608.93	45.18	625.97	409.65	5550.10
		3387.84	409.65	3.09e-04	0.0	316.2	4821.40	-758.73	45.18	625.97	552.50	3387.84
243	6	5504.08	557.78	-0.01	-149.80	0.0	4778.63	-598.87	45.03	611.65	415.40	5504.08
		3373.63	415.40	3.17e-04	0.0	316.2	4778.63	-748.66	45.03	611.65	557.78	3373.63
243	7	5468.88	563.26	-0.01	-149.80	0.0	4759.82	-592.22	43.04	589.97	427.17	5468.88
		3359.45	427.17	2.82e-04	0.0	316.2	4759.82	-742.02	43.04	589.97	563.26	3359.45
243	8	4346.45	438.00	-9.13e-03	-110.96	0.0	3761.94	-470.00	29.61	456.47	344.37	4346.45
		2684.89	344.37	-4.19e-04	0.0	316.2	3761.94	-580.96	29.61	456.47	438.00	2684.89
243	9	3909.28	398.30	-8.27e-03	-110.96	0.0	3396.24	-422.50	31.49	431.38	298.74	3909.28
		2397.90	298.74	1.75e-04	0.0	316.2	3396.24	-533.46	31.49	431.38	398.30	2397.90
243	10	3985.26	404.13	-8.38e-03	-110.96	0.0	3458.81	-427.70	28.13	420.91	315.19	3985.26
		2457.43	315.19	-2.20e-04	0.0	316.2	3458.81	-538.66	28.13	420.91	404.13	2457.43
243	11	3910.26	397.67	-8.26e-03	-110.96	0.0	3399.16	-422.89	31.58	431.19	297.82	3910.26
		2397.64	297.82	2.17e-04	0.0	316.2	3399.16	-533.85	31.58	431.19	397.67	2397.64
244	1	4489.06	558.92	-0.01	-149.80	0.0	3226.53	-869.01	-0.79	432.40	558.92	4489.06
		1504.43	558.92	1.43e-04	0.0	316.2	3226.53	-1018.80	-0.79	432.40	556.42	1504.43
244	2	4938.60	565.27	-0.02	-149.80	0.0	3559.05	-1017.99	6.66	683.81	544.21	4938.60
		1482.91	544.21	9.28e-05	0.0	316.2	3559.05	-1167.78	6.66	683.81	565.27	1482.91
244	3	4621.57	569.41	-0.02	-149.80	0.0	3297.36	-890.87	-20.23	417.28	569.41	4621.57
		1567.80	569.41	5.74e-04	0.0	316.2	3297.36	-1040.67	-20.23	417.28	505.44	1567.80
244	4	4607.52	583.58	-0.02	-149.80	0.0	3336.14	-889.82	-6.09	398.68	583.58	4607.52
		1557.08	583.58	-1.76e-04	0.0	316.2	3336.14	-1039.61	-6.09	398.68	564.32	1557.08
244	5	4522.11	554.45	-0.01	-149.80	0.0	3253.39	-880.50	0.62	448.06	552.50	4522.11
		1501.15	552.50	-2.11e-04	0.0	316.2	3253.39	-1030.29	0.62	448.06	554.45	1501.15
244	6	4490.78	559.64	-0.01	-149.80	0.0	3229.22	-869.67	0.59	431.54	557.78	4490.78
		1504.06	557.78	-2.19e-04	0.0	316.2	3229.22	-1019.47	0.59	431.54	559.64	1504.06
244	7	4468.46	563.26	-0.01	-149.80	0.0	3219.01	-862.61	-2.03	408.47	563.26	4468.46
		1504.07	563.26	-1.82e-04	0.0	316.2	3219.01	-1012.40	-2.03	408.47	556.85	1504.07
244	8	3563.28	438.00	-0.01	-110.96	0.0	2537.87	-688.70	-16.84	321.85	438.00	3563.28
		1210.17	384.76	5.00e-04	0.0	316.2	2537.87	-799.66	-16.84	321.85	384.76	1210.17
244	9	3190.47	398.30	-0.01	-110.96	0.0	2296.27	-615.18	-0.96	303.28	398.30	3190.47
		1069.83	395.27	1.04e-04	0.0	316.2	2296.27	-726.14	-0.96	303.28	395.27	1069.83
244	10	3264.08	404.13	-0.01	-110.96	0.0	2335.62	-627.33	-11.76	294.88	404.13	3264.08
		1105.03	366.95	2.94e-04	0.0	316.2	2335.62	-738.29	-11.76	294.88	366.95	1105.03
244	11	3191.43	397.67	-0.01	-110.96	0.0	2297.76	-615.55	-0.19	302.80	397.67	3191.43
		1069.62	397.67	-1.47e-04	0.0	316.2	2297.76	-726.51	-0.19	302.80	397.67	1069.62
245	1	3060.71	556.42	-0.02	-149.80	0.0	1118.29	-1181.32	-119.34	292.95	556.42	3060.71
		-911.46	179.06	-3.69e-05	0.0	316.2	1118.29	-1331.12	-119.34	292.95	179.06	-911.46
245	2	3248.56	565.27	-0.02	-149.80	0.0	1179.66	-1312.39	-92.72	514.01	565.27	3248.56
		-1138.05	272.10	1.90e-04	0.0	316.2	1179.66	-1462.19	-92.72	514.01	272.10	-1138.05
245	3	3155.40	505.44	-0.02	-149.80	0.0	1145.18	-1222.06	-91.08	247.94	505.44	3155.40
		-945.58	217.45	6.48e-04	0.0	316.2	1145.18	-1371.86	-91.08	247.94	217.45	-945.58
245	4	3156.46	564.32	-0.02	-149.80	0.0	1164.59	-1217.95	-126.95	254.12	564.32	3156.46
		-931.53	162.91	-6.04e-05	0.0	316.2	1164.59	-1367.75	-126.95	254.12	162.91	-931.53
245	5	3075.05	554.45	-0.02	-149.80	0.0	1123.12	-1190.82	-117.02	307.15	554.45	3075.05
		-927.16	184.42	-9.42e-05	0.0	316.2	1123.12	-1340.62	-117.02	307.15	184.42	-927.16
245	6	3064.05	559.64	-0.02	-149.80	0.0	1116.30	-1181.86	-119.97	293.46	559.64	3064.05
		-909.81	180.31	-9.71e-05	0.0	316.2	1116.30	-1331.65	-119.97	293.46	180.31	-909.81
245	7	3053.76	556.85	-0.02	-149.80	0.0	1118.08	-1174.91	-122.87	270.52	556.85	3053.76
		-898.15	168.34	-6.30e-05	0.0	316.2	1118.08	-1324.71	-122.87	270.52	168.34	-898.15
245	8	2432.79	384.76	-0.01	-110.96	0.0	880.51	-944.68	-67.44	189.37	384.76	2432.79
		-729.71	171.52	5.54e-04	0.0	316.2	880.51	-1055.64	-67.44	189.37	171.52	-729.71
245	9	2176.28	395.27	-0.01	-110.96	0.0	797.13	-837.41	-85.37	204.11	395.27	2176.28
		-647.05	125.32	-2.81e-05	0.0	316.2	797.13	-948.37	-85.37	204.11	125.32	-647.05
245	10	2228.88	366.95	-0.01	-110.96	0.0	812.07	-860.04	-69.67	179.10	366.95	2228.88
		-666.01	146.65	3.53e-04	0.0	316.2	812.07	-971.00	-69.67	179.10	146.65	-666.01
245	11	2178.13	397.06	-0.01	-110.96	0.0	796.03	-837.71	-85.72	204.39	397.06	2178.13

		-646.13	126.01	-6.09e-05	0.0	316.2	796.03	-948.67	-85.72	204.39	126.01	-646.13
246	1	4168.37	-507.65	-0.01	-142.69	0.0	2860.40	967.34	1.02	378.22	-510.71	1469.62
		1469.62	-510.71	-2.66e-04	0.0	301.2	2860.40	824.65	1.02	378.22	-507.65	4168.37
246	2	4208.19	-511.42	-0.01	-142.69	0.0	2902.96	976.20	0.09	370.53	-511.69	1482.79
		1482.79	-511.69	-2.71e-04	0.0	301.2	2902.96	833.51	0.09	370.53	-511.42	4208.19
246	3	4230.39	-479.58	-0.01	-142.69	0.0	2934.21	994.31	5.14	428.78	-495.06	1450.44
		1450.44	-495.06	-3.00e-04	0.0	301.2	2934.21	851.62	5.14	428.78	-479.58	4230.39
246	4	4218.80	-482.76	-0.01	-142.69	0.0	2968.22	992.04	9.43	424.12	-511.15	1445.67
		1445.67	-511.15	-5.33e-04	0.0	301.2	2968.22	849.35	9.43	424.12	-482.76	4218.80
246	5	4863.93	-520.42	-0.01	-142.69	0.0	3430.33	1167.73	-4.09	404.95	-520.42	1561.62
		1561.62	-520.42	-5.39e-04	0.0	301.2	3430.33	1025.04	-4.09	404.95	-532.75	4863.93
246	6	4168.05	-499.62	-0.01	-142.69	0.0	2871.69	967.98	-1.58	381.36	-499.62	1467.39
		1467.39	-499.62	-5.27e-04	0.0	301.2	2871.69	825.29	-1.58	381.36	-504.37	4168.05
246	7	4123.55	-486.62	-0.01	-142.69	0.0	2843.06	963.65	3.43	394.22	-496.94	1435.94
		1435.94	-496.94	-2.86e-04	0.0	301.2	2843.06	820.96	3.43	394.22	-486.62	4123.55
246	8	3259.68	-369.08	-9.59e-03	-105.70	0.0	2260.59	764.22	3.99	331.47	-381.11	1117.04
		1117.04	-381.11	-2.29e-04	0.0	301.2	2260.59	658.52	3.99	331.47	-369.08	3259.68
246	9	2957.73	-356.57	-8.69e-03	-105.70	0.0	2033.54	689.99	1.21	272.45	-360.21	1038.67
		1038.67	-360.21	-1.95e-04	0.0	301.2	2033.54	584.29	1.21	272.45	-356.57	2957.73
246	10	2992.18	-340.98	-8.81e-03	-105.70	0.0	2074.55	704.96	3.50	300.53	-351.51	1028.01
		1028.01	-351.51	-2.13e-04	0.0	301.2	2074.55	599.27	3.50	300.53	-340.98	2992.18
246	11	2957.55	-354.05	-8.70e-03	-105.70	0.0	2039.82	690.34	-0.23	274.19	-354.05	1037.43
		1037.43	-354.05	-3.40e-04	0.0	301.2	2039.82	584.64	-0.23	274.19	-354.05	2957.55
247	1	5062.53	-344.95	-9.53e-03	-142.69	0.0	4284.06	706.37	54.02	537.94	-507.65	3149.83
		3149.83	-507.65	-3.41e-04	0.0	301.2	4284.06	563.68	54.02	537.94	-344.95	5062.53
247	2	5107.27	-349.17	-9.60e-03	-142.69	0.0	4345.00	711.32	53.87	533.14	-511.42	3179.68
		3179.68	-511.42	-3.45e-04	0.0	301.2	4345.00	568.63	53.87	533.14	-349.17	5107.27
247	3	5150.38	-307.37	-9.71e-03	-142.69	0.0	4402.52	728.17	57.17	579.35	-479.58	3172.01
		3172.01	-479.58	-3.71e-04	0.0	301.2	4402.52	585.48	57.17	579.35	-307.37	5150.38
247	4	5139.15	-308.04	-9.69e-03	-142.69	0.0	4428.86	726.22	58.01	578.56	-482.76	3166.67
		3166.67	-482.76	-6.02e-04	0.0	301.2	4428.86	583.53	58.01	578.56	-308.04	5139.15
247	5	6101.41	-373.87	-0.01	-142.69	0.0	5281.79	922.17	52.75	577.21	-532.75	3538.74
		3538.74	-532.75	-6.13e-04	0.0	301.2	5281.79	779.48	52.75	577.21	-373.87	6101.41
247	6	5063.62	-343.38	-9.53e-03	-142.69	0.0	4293.26	706.42	53.45	539.21	-504.37	3150.77
		3150.77	-504.37	-6.02e-04	0.0	301.2	4293.26	563.73	53.45	539.21	-343.38	5063.62
247	7	5013.65	-321.51	-9.45e-03	-142.69	0.0	4262.39	704.80	54.82	547.72	-486.62	3105.67
		3105.67	-486.62	-3.58e-04	0.0	301.2	4262.39	562.11	54.82	547.72	-321.51	5013.65
247	8	3968.76	-236.31	-7.48e-03	-105.70	0.0	3392.09	559.15	44.08	447.14	-369.08	2443.78
		2443.78	-369.08	-2.84e-04	0.0	301.2	3392.09	453.45	44.08	447.14	-236.31	3968.76
247	9	3593.42	-240.32	-6.77e-03	-105.70	0.0	3046.38	504.66	38.60	384.86	-356.57	2232.57
		2232.57	-356.57	-2.47e-04	0.0	301.2	3046.38	398.96	38.60	384.86	-240.32	3593.42
247	10	3642.23	-219.44	-6.87e-03	-105.70	0.0	3112.19	516.77	40.35	407.87	-340.98	2244.89
		2244.89	-340.98	-2.63e-04	0.0	301.2	3112.19	411.07	40.35	407.87	-219.44	3642.23
247	11	3594.03	-239.44	-6.77e-03	-105.70	0.0	3051.48	504.69	38.28	385.56	-354.75	2233.09
		2233.09	-354.75	-3.92e-04	0.0	301.2	3051.48	398.99	38.28	385.56	-239.44	3594.03
248	1	5537.49	-156.22	-5.99e-03	-142.69	0.0	5224.50	451.58	62.66	666.23	-344.95	4392.22
		4392.22	-344.95	-3.79e-04	0.0	301.2	5224.50	308.89	62.66	666.23	-156.22	5537.49
248	2	5583.21	-160.90	-6.04e-03	-142.69	0.0	5295.87	452.93	62.51	665.27	-349.17	4433.88
		4433.88	-349.17	-3.81e-04	0.0	301.2	5295.87	310.24	62.51	665.27	-160.90	5583.21
248	3	5642.50	-114.39	-6.12e-03	-142.69	0.0	5375.36	468.27	64.07	695.44	-307.37	4446.97
		4446.97	-307.37	-4.03e-04	0.0	301.2	5375.36	325.58	64.07	695.44	-114.39	5642.50
248	4	5632.85	-113.51	-6.11e-03	-142.69	0.0	5395.68	467.21	64.59	695.72	-308.04	4440.51
		4440.51	-308.04	-6.34e-04	0.0	301.2	5395.68	324.52	64.59	695.72	-113.51	5632.85
248	5	6979.05	-246.86	-7.52e-03	-142.69	0.0	6678.89	693.06	42.17	738.60	-373.87	5106.44
		5106.44	-373.87	-6.37e-04	0.0	301.2	6678.89	550.37	42.17	738.60	-246.86	6979.05
248	6	5538.77	-154.70	-6.00e-03	-142.69	0.0	5232.56	451.41	62.64	667.12	-343.38	4394.02
		4394.02	-343.38	-6.40e-04	0.0	301.2	5232.56	308.72	62.64	667.12	-154.70	5538.77
248	7	5488.72	-133.25	-5.95e-03	-142.69	0.0	5200.52	452.08	62.51	668.69	-321.51	4341.94
		4341.94	-321.51	-3.92e-04	0.0	301.2	5200.52	309.39	62.51	668.69	-133.25	5488.72
248	8	4348.09	-87.57	-4.72e-03	-105.70	0.0	4141.90	358.92	49.38	536.17	-236.31	3426.21
		3426.21	-236.31	-3.09e-04	0.0	301.2	4141.90	253.22	49.38	536.17	-87.57	4348.09
248	9	3931.52	-106.21	-4.26e-03	-105.70	0.0	3715.58	323.67	44.52	474.72	-240.32	3115.80
		3115.80	-240.32	-2.73e-04	0.0	301.2	3715.58	217.98	44.52	474.72	-106.21	3931.52
248	10	3989.86	-82.98	-4.33e-03	-105.70	0.0	3799.39	332.94	45.31	490.95	-219.44	3146.22
		3146.22	-219.44	-2.86e-04	0.0	301.2	3799.39	227.25	45.31	490.95	-82.98	3989.86
248	11	3932.23	-105.37	-4.26e-03	-105.70	0.0	3720.06	323.57	44.51	475.22	-239.44	3116.80
		3116.80	-239.44	-4.18e-04	0.0	301.2	3720.06	217.88	44.51	475.22	-105.37	3932.23
249	1	5573.14	34.15	-1.97e-03	-142.69	0.0	5700.83	196.19	63.20	732.47	-156.22	5197.10
		5197.10	-156.22	-3.89e-04	0.0	301.2	5700.83	53.50	63.20	732.47	34.15	5573.14
249	2	5616.29	28.78	-1.98e-03	-142.69	0.0	5774.61	194.18	62.98	735.60	-160.90	5246.30
		5246.30	-160.90	-3.89e-04	0.0	301.2	5774.61	51.49	62.98	735.60	28.78	5616.29
249	3	5687.84	76.11	-2.03e-03	-142.69	0.0	5871.24	207.59	63.25	747.74	-114.39	5277.47

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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249	4	5277.47	-114.39	-4.07e-04	0.0	301.2	5871.24	64.90	63.25	747.74	76.11	5687.84
		5679.53	78.80	-2.02e-03	-142.69	0.0	5888.13	207.20	63.85	748.27	-113.51	5270.33
		5270.33	-113.51	-6.37e-04	0.0	301.2	5888.13	64.51	63.85	748.27	78.80	5679.53
249	5	7513.97	-146.67	-2.52e-03	-142.69	0.0	7652.87	479.67	33.26	836.78	-246.86	6284.09
		6284.09	-246.86	-6.62e-04	0.0	301.2	7652.87	336.98	33.26	836.78	-146.67	7513.97
249	6	5574.14	36.75	-1.97e-03	-142.69	0.0	5708.37	196.03	63.56	733.10	-154.70	5198.58
		5198.58	-154.70	-6.49e-04	0.0	301.2	5708.37	53.35	63.56	733.10	36.75	5574.14
249	7	5528.88	54.58	-1.97e-03	-142.69	0.0	5676.33	198.63	62.36	727.72	-133.25	5145.49
		5145.49	-133.25	-3.98e-04	0.0	301.2	5676.33	55.94	62.36	727.72	54.58	5528.88
249	8	4383.21	59.24	-1.56e-03	-105.70	0.0	4524.27	158.11	48.74	576.04	-87.57	4066.16
		4066.16	-87.57	-3.12e-04	0.0	301.2	4524.27	52.41	48.74	576.04	59.24	4383.21
249	9	3957.74	28.59	-1.40e-03	-105.70	0.0	4054.66	142.22	44.75	520.45	-106.21	3688.56
		3688.56	-106.21	-2.79e-04	0.0	301.2	4054.66	36.52	44.75	520.45	28.59	3957.74
249	10	4021.47	51.90	-1.43e-03	-105.70	0.0	4149.33	148.55	44.78	528.94	-82.98	3733.21
		3733.21	-82.98	-2.89e-04	0.0	301.2	4149.33	42.85	44.78	528.94	51.90	4021.47
249	11	3958.30	30.03	-1.40e-03	-105.70	0.0	4058.85	142.13	44.95	520.80	-105.37	3689.38
		3689.38	-105.37	-4.23e-04	0.0	301.2	4058.85	36.43	44.95	520.80	30.03	3958.30
250	1	5563.65	212.15	-2.20e-03	-142.69	0.0	5713.48	-59.94	59.10	736.79	34.15	5563.65
		5168.22	34.15	-3.69e-04	0.0	301.2	5713.48	-202.63	59.10	736.79	212.15	5168.22
250	2	5616.10	206.10	-2.23e-03	-142.69	0.0	5782.20	-65.10	58.87	744.08	28.78	5616.10
		5205.13	28.78	-3.67e-04	0.0	301.2	5782.20	-207.79	58.87	744.08	206.10	5205.13
250	3	5663.49	251.03	-2.22e-03	-142.69	0.0	5890.13	-54.34	58.07	737.98	76.11	5663.49
		5284.92	76.11	-3.81e-04	0.0	301.2	5890.13	-197.03	58.07	737.98	251.03	5284.92
250	4	5656.07	256.60	-2.23e-03	-142.69	0.0	5905.38	-54.30	59.03	738.05	78.80	5656.07
		5277.63	78.80	-6.10e-04	0.0	301.2	5905.38	-196.99	59.03	738.05	256.60	5277.63
250	5	7441.06	258.04	-2.88e-03	-142.69	0.0	7611.35	-365.96	116.78	924.41	-93.69	7441.06
		6123.91	-93.69	-6.12e-04	0.0	301.2	7611.35	-508.65	116.78	924.41	258.04	6123.91
250	6	5564.18	216.79	-2.20e-03	-142.69	0.0	5721.19	-59.91	59.77	736.92	36.75	5564.18
		5168.84	36.75	-6.28e-04	0.0	301.2	5721.19	-202.60	59.77	736.92	216.79	5168.84
250	7	5515.42	228.56	-2.17e-03	-142.69	0.0	5690.24	-55.84	57.76	725.65	54.58	5515.42
		5132.33	54.58	-3.74e-04	0.0	301.2	5690.24	-198.53	57.76	725.65	228.56	5132.33
250	8	4363.74	194.01	-1.71e-03	-105.70	0.0	4539.16	-43.67	44.75	568.13	59.24	4363.74
		4073.03	59.24	-2.92e-04	0.0	301.2	4539.16	-149.37	44.75	568.13	194.01	4073.03
250	9	3950.20	154.26	-1.56e-03	-105.70	0.0	4063.91	-39.82	41.72	522.29	28.59	3950.20
		3671.08	28.59	-2.64e-04	0.0	301.2	4063.91	-145.52	41.72	522.29	154.26	3671.08
250	10	4005.67	175.86	-1.58e-03	-105.70	0.0	4162.05	-36.72	41.16	522.95	51.90	4005.67
		3735.91	51.90	-2.70e-04	0.0	301.2	4162.05	-142.41	41.16	522.95	175.86	3735.91
250	11	3950.50	156.83	-1.56e-03	-105.70	0.0	4068.19	-39.81	42.10	522.36	30.03	3950.50
		3671.42	30.03	-4.08e-04	0.0	301.2	4068.19	-145.50	42.10	522.36	156.83	3671.42
251	1	5491.10	386.04	-6.20e-03	-142.69	0.0	5261.14	-315.21	57.73	675.15	212.15	5491.10
		4326.78	212.15	-3.28e-04	0.0	301.2	5261.14	-457.90	57.73	675.15	386.04	4326.78
251	2	5541.90	380.03	-6.26e-03	-142.69	0.0	5318.45	-323.23	57.75	686.37	206.10	5541.90
		4353.45	206.10	-3.25e-04	0.0	301.2	5318.45	-465.92	57.75	686.37	380.03	4353.45
251	3	5603.91	419.14	-6.30e-03	-142.69	0.0	5430.05	-316.36	55.81	663.26	251.03	5603.91
		4436.14	251.03	-3.33e-04	0.0	301.2	5430.05	-459.05	55.81	663.26	419.14	4436.14
251	4	5597.01	430.11	-6.30e-03	-142.69	0.0	5444.00	-315.96	57.61	661.97	256.60	5597.01
		4430.45	256.60	-5.61e-04	0.0	301.2	5444.00	-458.65	57.61	661.97	430.11	4430.45
251	5	6858.02	471.48	-7.78e-03	-142.69	0.0	6630.24	-566.82	70.86	859.05	258.04	6858.02
		4935.85	258.04	-5.63e-04	0.0	301.2	6630.24	-709.51	70.86	859.05	471.48	4935.85
251	6	5490.69	394.75	-6.19e-03	-142.69	0.0	5269.48	-314.86	59.08	674.11	216.79	5490.69
		4327.45	216.79	-5.85e-04	0.0	301.2	5269.48	-457.55	59.08	674.11	394.75	4327.45
251	7	5450.39	397.11	-6.14e-03	-142.69	0.0	5240.86	-309.88	55.96	659.05	228.56	5450.39
		4302.14	228.56	-3.30e-04	0.0	301.2	5240.86	-452.57	55.96	659.05	397.11	4302.14
251	8	4318.17	323.45	-4.86e-03	-105.70	0.0	4184.94	-245.55	42.97	510.24	194.01	4318.17
		3419.40	194.01	-2.56e-04	0.0	301.2	4184.94	-351.25	42.97	510.24	323.45	3419.40
251	9	3900.03	276.79	-4.40e-03	-105.70	0.0	3742.42	-221.33	40.68	477.45	154.26	3900.03
		3074.21	154.26	-2.34e-04	0.0	301.2	3742.42	-327.02	40.68	477.45	276.79	3074.21
251	10	3962.70	295.18	-4.46e-03	-105.70	0.0	3836.26	-221.96	39.61	470.84	175.86	3962.70
		3134.97	175.86	-2.37e-04	0.0	301.2	3836.26	-327.66	39.61	470.84	295.18	3134.97
251	11	3899.80	281.63	-4.40e-03	-105.70	0.0	3747.05	-221.13	41.43	476.87	156.83	3899.80
		3074.58	156.83	-3.77e-04	0.0	301.2	3747.05	-326.82	41.43	476.87	281.63	3074.58
252	1	4992.28	516.66	-9.68e-03	-142.69	0.0	4328.64	-568.15	43.37	555.78	386.04	4992.28
		3066.11	386.04	-2.62e-04	0.0	301.2	4328.64	-710.84	43.37	555.78	516.66	3066.11
252	2	5035.47	511.74	-9.77e-03	-142.69	0.0	4370.06	-578.29	43.73	570.26	380.03	5035.47
		3078.76	380.03	-2.59e-04	0.0	301.2	4370.06	-720.98	43.73	570.26	511.74	3078.76
252	3	5109.84	541.14	-9.87e-03	-142.69	0.0	4475.02	-577.59	40.50	532.59	419.14	5109.84
		3155.25	419.14	-2.63e-04	0.0	301.2	4475.02	-720.28	40.50	532.59	541.14	3155.25
252	4	5105.63	563.68	-9.86e-03	-142.69	0.0	4485.64	-576.75	44.35	528.11	430.11	5105.63
		3153.55	430.11	-4.88e-04	0.0	301.2	4485.64	-719.44	44.35	528.11	563.68	3153.55
252	5	5957.72	603.83	-0.01	-142.69	0.0	5230.95	-783.71	43.94	715.82	471.48	5957.72
		3382.28	471.48	-4.83e-04	0.0	301.2	5230.95	-926.40	43.94	715.82	603.83	3382.28
252	6	4992.45	538.29	-9.68e-03	-142.69	0.0	4336.37	-567.34	47.66	551.08	394.75	4992.45

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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252	7	3068.73	394.75	-5.19e-04	0.0	301.2	4336.37	-710.03	47.66	551.08	538.29	3068.73
		4961.70	521.93	-9.60e-03	-142.69	0.0	4313.50	-562.05	41.44	536.35	397.11	4961.70
		3053.92	397.11	-2.62e-04	0.0	301.2	4313.50	-704.74	41.44	536.35	521.93	3053.92
252	8	3938.00	417.30	-7.60e-03	-105.70	0.0	3449.21	-446.92	31.16	409.32	323.45	3938.00
		2432.71	323.45	-2.02e-04	0.0	301.2	3449.21	-552.61	31.16	409.32	417.30	2432.71
252	9	3546.89	368.44	-6.88e-03	-105.70	0.0	3079.51	-401.24	30.43	391.86	276.79	3546.89
		2179.18	276.79	-1.87e-04	0.0	301.2	3079.51	-506.93	30.43	391.86	368.44	2179.18
252	10	3612.20	382.04	-6.98e-03	-105.70	0.0	3160.83	-406.48	28.84	378.98	295.18	3612.20
		2228.70	295.18	-1.88e-04	0.0	301.2	3160.83	-512.18	28.84	378.98	382.04	2228.70
252	11	3546.98	380.45	-6.87e-03	-105.70	0.0	3083.80	-400.79	32.81	389.25	281.63	3546.98
		2180.64	281.63	-3.29e-04	0.0	301.2	3083.80	-506.48	32.81	389.25	380.45	2180.64
253	1	4078.10	516.66	-0.01	-142.69	0.0	2915.22	-825.85	-6.41	400.37	516.66	4078.10
		1375.76	497.36	-1.78e-04	0.0	301.2	2915.22	-988.54	-6.41	400.37	497.36	1375.76
253	2	4106.99	511.74	-0.01	-142.69	0.0	2939.15	-836.64	-4.84	415.89	511.74	4106.99
		1372.15	497.16	-1.75e-04	0.0	301.2	2939.15	-979.33	-4.84	415.89	497.16	1372.15
253	3	4189.22	541.14	-0.01	-142.69	0.0	3022.56	-846.18	-10.79	368.42	541.14	4189.22
		1425.63	508.64	-1.76e-04	0.0	301.2	3022.56	-988.87	-10.79	368.42	508.64	1425.63
253	4	4191.86	563.68	-0.01	-142.69	0.0	3024.94	-844.46	-11.80	363.70	563.68	4191.86
		1433.45	528.13	-3.91e-04	0.0	301.2	3024.94	-987.15	-11.80	363.70	528.13	1433.45
253	5	4700.13	603.83	-0.01	-142.69	0.0	3407.11	-1015.60	-9.44	530.27	603.83	4700.13
		1426.24	575.39	-3.87e-04	0.0	301.2	3407.11	-1158.29	-9.44	530.27	575.39	1426.24
253	6	4084.11	538.29	-0.01	-142.69	0.0	2915.86	-823.90	-6.18	394.53	538.29	4084.11
		1387.63	519.67	-4.26e-04	0.0	301.2	2915.86	-966.59	-6.18	394.53	519.67	1387.63
253	7	4058.67	521.93	-0.01	-142.69	0.0	2907.58	-819.36	-8.48	379.36	521.93	4058.67
		1375.86	496.38	-1.77e-04	0.0	301.2	2907.58	-962.05	-8.48	379.36	496.38	1375.86
253	8	3229.27	417.30	-9.70e-03	-105.70	0.0	2329.84	-654.13	-8.43	282.72	417.30	3229.27
		1099.84	391.92	-1.34e-04	0.0	301.2	2329.84	-759.83	-8.43	282.72	391.92	1099.84
253	9	2898.26	368.44	-8.76e-03	-105.70	0.0	2074.73	-584.58	-4.94	280.92	368.44	2898.26
		978.31	353.55	-1.27e-04	0.0	301.2	2074.73	-690.28	-4.94	280.92	353.55	978.31
253	10	2959.99	382.04	-8.91e-03	-105.70	0.0	2134.36	-595.88	-7.38	263.16	382.04	2959.99
		1006.02	359.82	-1.26e-04	0.0	301.2	2134.36	-701.58	-7.38	263.16	359.82	1006.02
253	11	2901.60	380.45	-8.76e-03	-105.70	0.0	2075.08	-583.50	-4.82	277.67	380.45	2901.60
		984.91	365.95	-2.64e-04	0.0	301.2	2075.08	-689.20	-4.82	277.67	365.95	984.91
254	1	2780.06	497.36	-0.01	-142.69	0.0	1003.56	-1123.87	-108.95	275.13	497.36	2780.06
		-819.94	169.20	-8.53e-05	0.0	301.2	1003.56	-1266.56	-108.95	275.13	169.20	-819.94
254	2	2791.67	497.16	-0.01	-142.69	0.0	1008.35	-1132.80	-107.49	289.55	497.16	2791.67
		-835.21	173.40	-8.41e-05	0.0	301.2	1008.35	-1275.49	-107.49	289.55	173.40	-835.21
254	3	2869.64	508.64	-0.01	-142.69	0.0	1051.51	-1159.96	-118.08	239.95	508.64	2869.64
		-839.05	152.97	-8.24e-05	0.0	301.2	1051.51	-1302.65	-118.08	239.95	152.97	-839.05
254	4	2874.45	528.13	-0.01	-142.69	0.0	1055.33	-1159.40	-123.74	235.41	528.13	2874.45
		-832.56	155.43	-2.89e-04	0.0	301.2	1055.33	-1302.09	-123.74	235.41	155.43	-832.56
254	5	3090.35	575.39	-0.02	-142.69	0.0	1133.76	-1294.78	-123.17	375.54	575.39	3090.35
		-1024.41	204.39	-2.88e-04	0.0	301.2	1133.76	-1437.47	-123.17	375.54	204.39	-1024.41
254	6	2788.99	519.67	-0.01	-142.69	0.0	1004.80	-1122.57	-115.59	269.62	519.67	2788.99
		-807.08	171.52	-3.24e-04	0.0	301.2	1004.80	-1265.26	-115.59	269.62	171.52	-807.08
254	7	2771.64	496.38	-0.01	-142.69	0.0	1005.60	-1117.42	-112.23	254.70	496.38	2771.64
		-808.91	158.34	-8.46e-05	0.0	301.2	1005.60	-1260.11	-112.23	254.70	158.34	-808.91
254	8	2212.83	391.92	-0.01	-105.70	0.0	810.37	-896.46	-91.14	183.74	391.92	2212.83
		-646.49	117.41	-6.21e-05	0.0	301.2	810.37	-1002.16	-91.14	183.74	117.41	-646.49
254	9	1976.47	353.55	-9.83e-03	-105.70	0.0	715.63	-796.67	-78.10	191.88	353.55	1976.47
		-582.27	118.32	-6.11e-05	0.0	301.2	715.63	-902.36	-78.10	191.88	118.32	-582.27
254	10	2026.23	359.82	-1.00e-02	-105.70	0.0	742.27	-816.71	-83.17	172.34	359.82	2026.23
		-592.89	109.30	-5.95e-05	0.0	301.2	742.27	-922.41	-83.17	172.34	109.30	-592.89
254	11	1981.43	365.95	-9.83e-03	-105.70	0.0	716.32	-795.94	-81.79	188.82	365.95	1981.43
		-575.13	119.61	-1.94e-04	0.0	301.2	716.32	-901.64	-81.79	188.82	119.61	-575.13
255	1	4663.23	-488.28	-0.02	-149.80	0.0	3224.43	1030.91	-17.65	388.11	-488.28	4663.23
		1640.31	-544.08	2.37e-04	0.0	316.2	3224.43	881.12	-17.65	388.11	-544.08	1640.31
255	2	5373.62	-460.98	-0.02	-149.80	0.0	3852.27	1229.22	-33.67	413.66	-460.98	5373.62
		1723.65	-567.44	6.16e-05	0.0	316.2	3852.27	1079.43	-33.67	413.66	-567.44	1723.65
255	3	4604.80	-365.64	-0.02	-149.80	0.0	3283.52	1037.45	-35.66	482.74	-365.64	4604.80
		1561.23	-478.39	-4.30e-04	0.0	316.2	3283.52	887.65	-35.66	482.74	-478.39	1561.23
255	4	4612.78	-513.66	-0.02	-149.80	0.0	3182.82	1033.74	-0.57	449.73	-513.66	4612.78
		1580.93	-515.45	3.14e-04	0.0	316.2	3182.82	883.94	-0.57	449.73	-515.45	1580.93
255	5	4695.03	-520.92	-0.02	-149.80	0.0	3262.21	1045.44	-6.57	399.52	-520.92	4695.03
		1626.18	-541.70	3.13e-04	0.0	316.2	3262.21	895.64	-6.57	399.52	-541.70	1626.18
255	6	4661.85	-528.11	-0.02	-149.80	0.0	3221.70	1029.79	-9.00	377.78	-528.11	4661.85
		1642.48	-556.58	3.08e-04	0.0	316.2	3221.70	879.99	-9.00	377.78	-556.58	1642.48
255	7	4560.54	-508.89	-0.01	-149.80	0.0	3154.00	1016.28	-4.66	409.74	-508.89	4560.54
		1583.89	-523.61	2.99e-04	0.0	316.2	3154.00	866.48	-4.66	409.74	-523.61	1583.89
255	8	3544.56	-270.12	-0.01	-110.96	0.0	2532.30	796.54	-30.27	375.38	-270.12	3544.56
		1201.31	-365.85	-3.89e-04	0.0	316.2	2532.30	685.59	-30.27	375.38	-365.85	1201.31
255	9	3298.09	-349.21	-0.01	-110.96	0.0	2284.22	733.53	-10.24	281.18	-349.21	3298.09

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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255	10	1154.09	-381.60	1.78e-04	0.0	316.2	2284.22	622.57	-10.24	281.18	-381.60	3298.09
		3265.63	-281.07	-0.01	-110.96	0.0	2317.05	737.16	-20.25	333.76	-281.07	1110.16
		1110.16	-345.11	-1.93e-04	0.0	316.2	2317.05	626.20	-20.25	333.76	-345.11	3265.63
255	11	3297.32	-371.33	-0.01	-110.96	0.0	2282.70	732.91	-5.44	275.45	-371.33	1155.30
		1155.30	-388.55	2.17e-04	0.0	316.2	2282.70	621.95	-5.44	275.45	-388.55	3297.32
256	1	5658.86	-407.82	-0.01	-149.80	0.0	4819.20	755.04	43.09	570.36	-544.08	3508.24
		3508.24	-544.08	3.22e-04	0.0	316.2	4819.20	605.25	43.09	570.36	-407.82	5658.86
256	2	6726.91	-455.17	-0.01	-149.80	0.0	5868.38	965.00	35.51	601.51	-567.44	3912.41
		3912.41	-567.44	5.93e-05	0.0	316.2	5868.38	815.20	35.51	601.51	-455.17	6726.91
256	3	5638.54	-345.75	-0.01	-149.80	0.0	4834.35	760.77	41.95	629.72	-478.39	3469.80
		3469.80	-478.39	-3.49e-04	0.0	316.2	4834.35	610.98	41.95	629.72	-345.75	5638.54
256	4	5621.87	-359.42	-0.01	-149.80	0.0	4788.02	764.78	49.34	626.13	-515.45	3440.47
		3440.47	-515.45	3.92e-04	0.0	316.2	4788.02	614.98	49.34	626.13	-359.42	5621.87
256	5	5696.30	-396.55	-0.01	-149.80	0.0	4892.25	765.23	45.90	585.39	-541.70	3513.46
		3513.46	-541.70	3.94e-04	0.0	316.2	4892.25	615.44	45.90	585.39	-396.55	5696.30
256	6	5655.04	-413.65	-0.01	-149.80	0.0	4822.24	755.07	45.21	568.08	-556.58	3504.33
		3504.33	-556.58	3.92e-04	0.0	316.2	4822.24	605.28	45.21	568.08	-413.65	5655.04
256	7	5542.73	-376.49	-0.01	-149.80	0.0	4730.04	747.93	46.53	588.43	-523.61	3414.60
		3414.60	-523.61	3.79e-04	0.0	316.2	4730.04	598.14	46.53	588.43	-376.49	5542.73
256	8	4343.10	-265.29	-9.16e-03	-110.96	0.0	3720.76	583.27	31.80	486.13	-365.85	2674.24
		2674.24	-365.85	-3.26e-04	0.0	316.2	3720.76	472.31	31.80	486.13	-265.29	4343.10
256	9	4004.26	-282.84	-8.39e-03	-110.96	0.0	3418.42	538.47	31.23	409.75	-381.60	2477.05
		2477.05	-381.60	2.36e-04	0.0	316.2	3418.42	427.51	31.23	409.75	-282.84	4004.26
256	10	3992.97	-248.36	-8.42e-03	-110.96	0.0	3425.15	541.65	30.59	442.73	-345.11	2455.70
		2455.70	-345.11	-1.36e-04	0.0	316.2	3425.15	430.69	30.59	442.73	-248.36	3992.97
256	11	4002.14	-286.08	-8.40e-03	-110.96	0.0	3418.42	538.48	32.41	408.49	-388.55	2474.88
		2474.88	-388.55	2.76e-04	0.0	316.2	3418.42	427.52	32.41	408.49	-286.08	4002.14
257	1	6177.31	-215.16	-7.50e-03	-149.80	0.0	5891.57	483.97	60.93	720.45	-407.82	4883.82
		4883.82	-407.82	3.78e-04	0.0	316.2	5891.57	334.17	60.93	720.45	-215.16	6177.31
257	2	7656.46	-335.25	-9.25e-03	-149.80	0.0	7406.56	720.29	37.93	781.88	-455.17	5615.74
		5615.74	-455.17	9.80e-05	0.0	316.2	7406.56	570.49	37.93	781.88	-335.25	7656.46
257	3	6174.40	-151.67	-7.57e-03	-149.80	0.0	5892.93	491.20	61.38	754.55	-345.75	4858.05
		4858.05	-345.75	-2.99e-04	0.0	316.2	5892.93	341.41	61.38	754.55	-151.67	6174.40
257	4	6160.55	-156.75	-7.55e-03	-149.80	0.0	5871.18	497.44	64.09	757.13	-359.42	4824.49
		4824.49	-359.42	4.44e-04	0.0	316.2	5871.18	347.64	64.09	757.13	-156.75	6160.55
257	5	6221.51	-201.27	-7.59e-03	-149.80	0.0	5983.69	491.14	61.76	731.30	-396.55	4905.34
		4905.34	-396.55	4.50e-04	0.0	316.2	5983.69	341.35	61.76	731.30	-201.27	6221.51
257	6	6175.56	-218.29	-7.52e-03	-149.80	0.0	5894.98	484.44	61.78	720.20	-413.65	4880.58
		4880.58	-413.65	4.50e-04	0.0	316.2	5894.98	334.65	61.78	720.20	-218.29	6175.56
257	7	6061.83	-180.94	-7.40e-03	-149.80	0.0	5788.96	483.39	61.84	726.22	-376.49	4770.18
		4770.18	-376.49	4.32e-04	0.0	316.2	5788.96	333.59	61.84	726.22	-180.94	6061.83
257	8	4756.02	-116.20	-5.83e-03	-110.96	0.0	4533.46	375.76	47.15	581.58	-265.29	3743.29
		3743.29	-265.29	-2.88e-04	0.0	316.2	4533.46	264.80	47.15	581.58	-116.20	4756.02
257	9	4373.37	-145.47	-5.32e-03	-110.96	0.0	4178.10	346.62	43.45	513.93	-282.84	3452.78
		3452.78	-282.84	2.76e-04	0.0	316.2	4178.10	235.66	43.45	513.93	-145.47	4373.37
257	10	4371.75	-110.20	-5.36e-03	-110.96	0.0	4178.85	350.64	43.70	532.88	-248.36	3438.46
		3438.46	-248.36	-1.01e-04	0.0	316.2	4178.85	239.68	43.70	532.88	-110.20	4371.75
257	11	4372.40	-147.21	-5.33e-03	-110.96	0.0	4179.99	346.88	43.92	513.79	-286.08	3450.98
		3450.98	-286.08	3.16e-04	0.0	316.2	4179.99	235.92	43.92	513.79	-147.21	4372.40
258	1	6216.95	-13.97	-2.57e-03	-149.80	0.0	6430.10	210.82	63.63	809.05	-215.16	5787.16
		5787.16	-215.16	4.00e-04	0.0	316.2	6430.10	61.03	63.63	809.05	-13.97	6216.95
258	2	8213.35	-236.02	-3.20e-03	-149.80	0.0	8460.84	492.03	31.38	905.73	-335.25	6894.38
		6894.38	-335.25	1.50e-04	0.0	316.2	8460.84	342.23	31.38	905.73	-236.02	8213.35
258	3	6229.68	50.14	-2.64e-03	-149.80	0.0	6427.73	220.38	63.83	818.02	-151.67	5769.67
		5769.67	-151.67	-2.85e-04	0.0	316.2	6427.73	70.58	63.83	818.02	50.14	6229.68
258	4	6220.51	47.61	-2.63e-03	-149.80	0.0	6422.95	225.74	64.63	822.26	-156.75	5743.55
		5743.55	-156.75	4.60e-04	0.0	316.2	6422.95	75.95	64.63	822.26	47.61	6220.51
258	5	6265.98	-0.86	-2.61e-03	-149.80	0.0	6531.82	215.32	63.38	814.33	-201.27	5821.97
		5821.97	-201.27	4.70e-04	0.0	316.2	6531.82	65.52	63.38	814.33	-0.86	6265.98
258	6	6217.07	-16.02	-2.58e-03	-149.80	0.0	6433.12	211.20	63.97	809.47	-218.29	5786.07
		5786.07	-218.29	4.74e-04	0.0	316.2	6433.12	61.41	63.97	809.47	-16.02	6217.07
258	7	6111.47	18.73	-2.56e-03	-149.80	0.0	6323.89	215.92	63.15	800.93	-180.94	5665.55
		5665.55	-180.94	4.51e-04	0.0	316.2	6323.89	66.13	63.15	800.93	18.73	6111.47
258	8	4798.59	39.34	-2.04e-03	-110.96	0.0	4944.17	167.46	49.19	630.00	-116.20	4444.52
		4444.52	-116.20	-2.77e-04	0.0	316.2	4944.17	56.50	49.19	630.00	39.34	4798.59
258	9	4403.52	-2.91	-1.82e-03	-110.96	0.0	4560.81	153.15	45.08	574.15	-145.47	4094.70
		4094.70	-145.47	2.90e-04	0.0	316.2	4560.81	42.19	45.08	574.15	-2.91	4403.52
258	10	4410.59	32.71	-1.87e-03	-110.96	0.0	4559.49	158.46	45.19	579.14	-110.20	4084.98
		4084.98	-110.20	-9.03e-05	0.0	316.2	4559.49	47.50	45.19	579.14	32.71	4410.59
258	11	4403.58	-4.05	-1.83e-03	-110.96	0.0	4562.49	153.36	45.27	574.38	-147.21	4094.09
		4094.09	-147.21	3.31e-04	0.0	316.2	4562.49	42.40	45.27	574.38	-4.05	4403.58
259	1	6207.04	188.46	-2.57e-03	-149.80	0.0	6442.70	-63.32	64.02	827.64	-13.97	6207.04

		5769.99	-13.97	3.88e-04	0.0	316.2	6442.70	-213.12	64.02	827.64	188.46	5769.99
259	2	8141.75	195.36	-3.32e-03	-149.80	0.0	8415.28	-367.97	119.67	1012.42	-183.03	8141.75
		6741.41	-183.03	1.26e-04	0.0	316.2	8415.28	-517.76	119.67	1012.42	195.36	6741.41
259	3	6200.98	249.96	-2.49e-03	-149.80	0.0	6441.51	-52.27	63.19	811.75	50.14	6200.98
		5798.87	50.14	-3.05e-04	0.0	316.2	6441.51	-202.07	63.19	811.75	249.96	5798.87
259	4	6182.39	247.92	-2.49e-03	-149.80	0.0	6449.34	-48.46	63.35	815.96	47.61	6182.39
		5792.32	47.61	4.41e-04	0.0	316.2	6449.34	-198.26	63.35	815.96	247.92	5792.32
259	5	6252.65	199.10	-2.56e-03	-149.80	0.0	6546.07	-61.58	63.24	827.56	-0.86	6252.65
		5821.10	-0.86	4.57e-04	0.0	316.2	6546.07	-211.38	63.24	827.56	199.10	5821.10
259	6	6207.78	186.94	-2.55e-03	-149.80	0.0	6445.12	-63.19	64.19	828.22	-16.02	6207.78
		5771.16	-16.02	4.63e-04	0.0	316.2	6445.12	-212.98	64.19	828.22	186.94	5771.16
259	7	6087.85	216.53	-2.48e-03	-149.80	0.0	6342.68	-53.20	62.56	806.15	18.73	6087.85
		5688.80	18.73	4.35e-04	0.0	316.2	6342.68	-202.00	62.56	806.15	216.53	5688.80
259	8	4775.96	193.47	-1.92e-03	-110.96	0.0	4954.57	-42.26	48.74	624.73	39.34	4775.96
		4466.92	39.34	-2.92e-04	0.0	316.2	4954.57	-153.22	48.74	624.73	193.47	4466.92
259	9	4394.50	139.90	-1.81e-03	-110.96	0.0	4570.48	-41.15	45.16	584.74	-2.91	4394.50
		4088.96	-2.91	2.81e-04	0.0	316.2	4570.48	-152.11	45.16	584.74	139.90	4088.96
259	10	4391.14	174.07	-1.77e-03	-110.96	0.0	4569.82	-35.01	44.71	575.92	32.71	4391.14
		4105.00	32.71	-1.04e-04	0.0	316.2	4569.82	-145.97	44.71	575.92	174.07	4105.00
259	11	4394.91	139.06	-1.80e-03	-110.96	0.0	4571.83	-41.08	45.26	585.07	-4.05	4394.91
		4089.60	-4.05	3.22e-04	0.0	316.2	4571.83	-152.04	45.26	585.07	139.06	4089.60
260	1	6136.66	373.31	-7.48e-03	-149.80	0.0	5934.22	-336.93	58.46	776.91	188.46	6136.66
		4834.46	188.46	3.42e-04	0.0	316.2	5934.22	-486.73	58.46	776.91	373.31	4834.46
260	2	7540.08	413.82	-9.26e-03	-149.80	0.0	7353.09	-584.68	69.09	963.57	195.36	7540.08
		5454.48	195.36	8.61e-05	0.0	316.2	7353.09	-734.48	69.09	963.57	413.82	5454.48
260	3	6146.56	429.26	-7.42e-03	-149.80	0.0	5935.31	-325.98	56.71	737.08	249.96	6146.56
		4878.99	249.96	-3.59e-04	0.0	316.2	5935.31	-475.78	56.71	737.08	429.26	4878.99
260	4	6132.66	425.75	-7.41e-03	-149.80	0.0	5952.89	-323.42	56.24	741.29	247.92	6132.66
		4873.17	247.92	3.88e-04	0.0	316.2	5952.89	-473.22	56.24	741.29	425.75	4873.17
260	5	6190.78	380.57	-7.51e-03	-149.80	0.0	6031.12	-338.47	57.39	772.60	199.10	6190.78
		4883.72	199.10	4.09e-04	0.0	316.2	6031.12	-488.26	57.39	772.60	380.57	4883.72
260	6	6138.51	371.94	-7.47e-03	-149.80	0.0	5935.88	-337.02	58.51	777.59	186.94	6138.51
		4836.04	186.94	4.17e-04	0.0	316.2	5935.88	-486.81	58.51	777.59	371.94	4836.04
260	7	6029.78	394.17	-7.32e-03	-149.80	0.0	5849.12	-322.54	56.18	743.97	216.53	6029.78
		4773.09	216.53	3.86e-04	0.0	316.2	5849.12	-472.34	56.18	743.97	394.17	4773.09
260	8	4733.68	331.88	-5.72e-03	-110.96	0.0	4565.18	-252.85	43.77	566.71	193.47	4733.68
		3758.74	193.47	-3.34e-04	0.0	316.2	4565.18	-363.81	43.77	566.71	331.88	3758.74
260	9	4347.18	269.72	-5.29e-03	-110.96	0.0	4210.48	-235.19	41.06	546.45	139.90	4347.18
		3428.08	139.90	2.47e-04	0.0	316.2	4210.48	-346.15	41.06	546.45	269.72	3428.08
260	10	4352.68	300.81	-5.26e-03	-110.96	0.0	4211.09	-229.11	40.08	524.33	174.07	4352.68
		3452.82	174.07	-1.43e-04	0.0	316.2	4211.09	-340.07	40.08	524.33	300.81	3452.82
260	11	4348.21	268.96	-5.29e-03	-110.96	0.0	4211.40	-235.24	41.08	546.83	139.06	4348.21
		3428.96	139.06	2.89e-04	0.0	316.2	4211.40	-346.20	41.08	546.83	268.96	3428.96
261	1	5574.49	534.18	-0.01	-149.80	0.0	4907.95	-610.35	50.88	651.20	373.31	5574.49
		3407.72	373.31	2.75e-04	0.0	316.2	4907.95	-760.15	50.88	651.20	534.18	3407.72
261	2	6569.68	581.30	-0.01	-149.80	0.0	5839.16	-823.23	52.97	818.95	413.82	6569.68
		3729.79	413.82	-2.45e-05	0.0	316.2	5839.16	-973.03	52.97	818.95	581.30	3729.79
261	3	5603.90	581.09	-0.01	-149.80	0.0	4908.73	-601.13	48.02	590.04	429.26	5603.90
		3466.30	429.26	-4.34e-04	0.0	316.2	4908.73	-750.92	48.02	590.04	581.09	3466.30
261	4	5591.87	573.72	-0.01	-149.80	0.0	4934.62	-599.71	46.79	594.87	425.75	5591.87
		3458.77	425.75	3.15e-04	0.0	316.2	4934.62	-749.50	46.79	594.87	573.72	3458.77
261	5	5633.99	538.39	-0.01	-149.80	0.0	4989.32	-616.27	49.91	643.94	380.57	5633.99
		3448.51	380.57	3.42e-04	0.0	316.2	4989.32	-766.07	49.91	643.94	538.39	3448.51
261	6	5576.86	532.68	-0.01	-149.80	0.0	4908.74	-610.62	50.84	652.02	371.94	5576.86
		3409.25	371.94	3.51e-04	0.0	316.2	4908.74	-760.42	50.84	652.02	532.68	3409.25
261	7	5489.47	544.74	-0.01	-149.80	0.0	4844.84	-592.83	47.62	610.11	394.17	5489.47
		3378.11	394.17	3.17e-04	0.0	316.2	4844.84	-742.63	47.62	610.11	544.74	3378.11
261	8	4315.88	449.00	-9.04e-03	-110.96	0.0	3775.31	-464.61	37.04	452.94	331.88	4315.88
		2671.36	331.88	-3.91e-04	0.0	316.2	3775.31	-575.57	37.04	452.94	449.00	2671.36
261	9	3951.38	382.16	-8.33e-03	-110.96	0.0	3483.10	-429.25	35.56	455.45	269.72	3951.38
		2418.66	269.72	1.99e-04	0.0	316.2	3483.10	-540.21	35.56	455.45	382.16	2418.66
261	10	3967.72	408.23	-8.32e-03	-110.96	0.0	3483.54	-424.13	33.97	421.47	300.81	3967.72
		2451.20	300.81	-1.95e-04	0.0	316.2	3483.54	-535.09	33.97	421.47	408.23	2451.20
261	11	3952.70	381.33	-8.33e-03	-110.96	0.0	3483.54	-429.40	35.54	455.90	268.96	3952.70
		2419.50	268.96	2.41e-04	0.0	316.2	3483.54	-540.36	35.54	455.90	381.33	2419.50
262	1	4551.57	545.02	-0.02	-149.80	0.0	3328.18	-889.50	3.43	479.95	534.18	4551.57
		1502.15	534.18	1.81e-04	0.0	316.2	3328.18	-1039.29	3.43	479.95	545.02	1502.15
262	2	5204.20	591.89	-0.02	-149.80	0.0	3821.51	-1081.24	3.35	625.62	581.30	5204.20
		1548.48	581.30	7.59e-05	0.0	316.2	3821.51	-1231.04	3.35	625.62	591.89	1548.48
262	3	4602.61	587.21	-0.02	-149.80	0.0	3322.97	-883.68	1.93	399.94	581.09	4602.61
		1571.59	581.09	-5.34e-04	0.0	316.2	3322.97	-1033.48	1.93	399.94	587.21	1571.59
262	4	4589.39	573.72	-0.02	-149.80	0.0	3356.78	-883.98	-3.85	409.19	573.72	4589.39

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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262	5	1557.42	561.55	-2.16e-04	0.0	316.2	3356.78	-1033.77	-3.85	409.19	561.55	1557.42
		4610.96	543.59	-0.02	-149.80	0.0	3383.17	-901.75	1.65	471.58	538.39	4610.96
		1522.81	538.39	-2.47e-04	0.0	316.2	3383.17	-1051.54	1.65	471.58	543.59	1522.81
262	6	4554.00	541.48	-0.02	-149.80	0.0	3328.05	-889.93	2.78	481.48	532.68	4554.00
		1503.20	532.68	-2.57e-04	0.0	316.2	3328.05	-1039.73	2.78	481.48	541.48	1503.20
262	7	4496.21	544.74	-0.01	-149.80	0.0	3292.67	-870.77	-1.11	435.34	544.74	4496.21
		1506.02	541.24	-2.21e-04	0.0	316.2	3292.67	-1020.56	-1.11	435.34	541.24	1506.02
262	8	3545.51	454.82	-0.01	-110.96	0.0	2554.78	-682.12	1.84	305.79	449.00	3545.51
		1213.23	449.00	-4.69e-04	0.0	316.2	2554.78	-793.08	1.84	305.79	454.82	1213.23
262	9	3228.75	387.25	-0.01	-110.96	0.0	2362.97	-627.60	1.61	332.88	382.16	3228.75
		1068.85	382.16	1.32e-04	0.0	316.2	2362.97	-738.56	1.61	332.88	387.25	1068.85
262	10	3257.11	410.68	-0.01	-110.96	0.0	2360.07	-624.37	0.78	288.43	408.23	3257.11
		1107.43	408.23	-2.65e-04	0.0	316.2	2360.07	-1361.60	0.78	288.43	410.68	1107.43
262	11	3230.10	385.28	-0.01	-110.96	0.0	2362.89	-627.84	1.25	333.73	381.33	3230.10
		1069.44	381.33	1.74e-04	0.0	316.2	2362.89	-738.80	1.25	333.73	385.28	1069.44
263	1	3100.37	545.02	-0.02	-149.80	0.0	1171.74	-1211.80	-106.79	337.56	545.02	3100.37
		-968.18	207.36	-6.97e-05	0.0	316.2	1171.74	-1361.60	-106.79	337.56	207.36	-968.18
263	2	3431.98	591.89	-0.02	-149.80	0.0	1274.80	-1392.94	-110.32	456.76	591.89	3431.98
		-1209.32	243.07	1.85e-04	0.0	316.2	1274.80	-1542.73	-110.32	456.76	243.07	-1209.32
263	3	3172.81	587.21	-0.02	-149.80	0.0	1155.94	-1212.72	-132.88	268.21	587.21	3172.81
		-898.65	167.03	6.73e-04	0.0	316.2	1155.94	-1362.52	-132.88	268.21	167.03	-898.65
263	4	3154.11	561.55	-0.02	-149.80	0.0	1194.66	-1215.44	-121.33	264.70	561.55	3154.11
		-925.95	177.91	-9.89e-05	0.0	316.2	1194.66	-1365.24	-121.33	264.70	177.91	-925.95
263	5	3148.32	543.59	-0.02	-149.80	0.0	1188.88	-1234.17	-108.03	327.79	543.59	3148.32
		-990.96	202.00	-1.36e-04	0.0	316.2	1188.88	-1383.97	-108.03	327.79	202.00	-990.96
263	6	3101.86	541.48	-0.02	-149.80	0.0	1171.29	-1212.33	-104.92	337.66	541.48	3101.86
		-968.36	209.72	-1.47e-04	0.0	316.2	1171.29	-1362.13	-104.92	337.66	209.72	-968.36
263	7	3078.36	541.24	-0.02	-149.80	0.0	1167.66	-1194.71	-111.24	293.76	541.24	3078.36
		-936.14	189.50	-1.10e-04	0.0	316.2	1167.66	-1344.51	-111.24	293.76	189.50	-936.14
263	8	2445.89	454.82	-0.01	-110.96	0.0	886.50	-935.50	-103.53	205.39	454.82	2445.89
		-687.58	127.44	5.78e-04	0.0	316.2	886.50	-1046.46	-103.53	205.39	127.44	-687.58
263	9	2201.70	387.25	-0.01	-110.96	0.0	833.69	-856.98	-77.03	231.71	387.25	2201.70
		-683.50	143.68	5.19e-05	0.0	316.2	833.69	-967.94	-77.03	231.71	143.68	-683.50
263	10	2241.94	410.68	-0.01	-110.96	0.0	824.91	-857.49	-91.53	193.19	410.68	2241.94
		-644.87	121.27	3.60e-04	0.0	316.2	824.91	-968.45	-91.53	193.19	121.27	-644.87
263	11	2202.53	385.28	-0.01	-110.96	0.0	833.43	-857.27	-76.00	231.77	385.28	2202.53
		-683.60	144.99	-9.55e-05	0.0	316.2	833.43	-968.23	-76.00	231.77	144.99	-683.60
264	1	4219.95	-525.51	-0.01	-142.69	0.0	2910.50	976.10	-1.29	343.79	-525.51	4194.83
		1494.83	-529.39	-2.42e-04	0.0	301.2	2910.50	833.41	-1.29	343.79	-529.39	4219.95
264	2	4254.83	-515.56	-0.01	-142.69	0.0	2958.94	990.34	1.37	363.31	-519.67	4186.81
		1486.81	-519.67	-2.50e-04	0.0	301.2	2958.94	847.65	1.37	363.31	-515.56	4254.83
264	3	4176.30	-490.23	-0.01	-142.69	0.0	2881.81	980.85	9.45	406.91	-518.69	4136.88
		1436.88	-518.69	-2.82e-04	0.0	301.2	2881.81	838.16	9.45	406.91	-490.23	4176.30
264	4	4174.82	-500.13	-0.01	-142.69	0.0	2886.83	981.61	12.89	402.73	-538.94	4133.09
		1433.09	-538.94	-5.09e-04	0.0	301.2	2886.83	838.92	12.89	402.73	-500.13	4174.82
264	5	4677.25	-530.35	-0.01	-142.69	0.0	3260.87	1146.71	19.61	625.75	-589.43	4438.26
		1438.26	-589.43	-5.37e-04	0.0	301.2	3260.87	1004.02	19.61	625.75	-530.35	4677.25
264	6	4224.45	-534.45	-0.01	-142.69	0.0	2917.65	977.37	5.84	337.19	-552.04	4195.50
		1495.50	-552.04	-5.03e-04	0.0	301.2	2917.65	834.68	5.84	337.19	-534.45	4224.45
264	7	4125.67	-497.30	-0.01	-142.69	0.0	2849.01	963.47	3.02	372.62	-506.40	4138.58
		1438.58	-506.40	-2.65e-04	0.0	301.2	2849.01	820.78	3.02	372.62	-497.30	4125.67
264	8	3215.39	-377.92	-9.49e-03	-105.70	0.0	2215.20	752.80	7.53	314.23	-400.59	1107.13
		1107.13	-400.59	-2.15e-04	0.0	301.2	2215.20	647.10	7.53	314.23	-377.92	3215.39
264	9	2984.61	-369.58	-8.76e-03	-105.70	0.0	2062.62	694.79	0.03	250.41	-369.66	1051.09
		1051.09	-369.66	-1.78e-04	0.0	301.2	2062.62	589.09	0.03	250.41	-369.58	2984.61
264	10	2960.36	-347.83	-8.73e-03	-105.70	0.0	2046.69	697.43	5.99	285.47	-365.87	1018.90
		1018.90	-365.87	-2.00e-04	0.0	301.2	2046.69	591.73	5.99	285.47	-347.83	2960.36
264	11	2987.11	-372.40	-8.76e-03	-105.70	0.0	2066.60	695.49	3.98	246.74	-384.40	1051.46
		1051.46	-384.40	-3.23e-04	0.0	301.2	2066.60	589.80	3.98	246.74	-372.40	2987.11
265	1	5118.68	-394.07	-9.62e-03	-142.69	0.0	4360.96	714.96	44.93	518.66	-529.39	3180.11
		3180.11	-529.39	-3.14e-04	0.0	301.2	4360.96	572.27	44.93	518.66	-394.07	5118.68
265	2	5160.78	-378.04	-9.70e-03	-142.69	0.0	4435.37	724.31	45.66	534.42	-515.56	3194.05
		3194.05	-515.56	-3.19e-04	0.0	301.2	4435.37	581.62	45.66	534.42	-378.04	5160.78
265	3	5090.03	-341.55	-9.61e-03	-142.69	0.0	4336.42	724.83	49.36	569.92	-490.23	3121.73
		3121.73	-490.23	-3.48e-04	0.0	301.2	4336.42	582.14	49.36	569.92	-341.55	5090.03
265	4	5086.18	-343.65	-9.59e-03	-142.69	0.0	4351.35	726.40	51.95	568.06	-500.13	3113.15
		3113.15	-500.13	-5.79e-04	0.0	301.2	4351.35	583.71	51.95	568.06	-343.65	5086.18
265	5	5878.61	-352.24	-0.01	-142.69	0.0	5063.83	909.38	59.13	810.32	-530.35	3354.46
		3354.46	-530.35	-6.02e-04	0.0	301.2	5063.83	766.69	59.13	810.32	-352.24	5878.61
265	6	5121.96	-395.18	-9.63e-03	-142.69	0.0	4374.47	716.08	46.24	516.71	-534.45	3180.00
		3180.00	-534.45	-5.74e-04	0.0	301.2	4374.47	573.39	46.24	516.71	-395.18	5121.96
265	7	5015.10	-358.21	-9.45e-03	-142.69	0.0	4277.18	708.62	46.18	536.72	-497.30	3095.62

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265	8	3095.62	-497.30	-3.34e-04	0.0	301.2	4277.18	565.93	46.18	536.72	-358.21	5015.10
		3919.38	-262.99	-7.40e-03	-105.70	0.0	3334.18	556.03	38.16	439.77	-377.92	2403.80
		2403.80	-377.92	-2.66e-04	0.0	301.2	3334.18	450.34	38.16	439.77	-262.99	3919.38
265	9	3622.55	-272.64	-6.81e-03	-105.70	0.0	3091.82	509.97	32.19	372.70	-369.58	2245.69
		2245.69	-369.58	-2.29e-04	0.0	301.2	3091.82	404.28	32.19	372.70	-272.64	3622.55
265	10	3606.63	-243.46	-6.81e-03	-105.70	0.0	3078.19	515.46	34.65	401.18	-347.83	2213.25
		2213.25	-347.83	-2.47e-04	0.0	301.2	3078.19	409.76	34.65	401.18	-243.46	3606.63
265	11	3624.37	-273.25	-6.82e-03	-105.70	0.0	3099.33	510.60	32.92	371.62	-372.40	2245.63
		2245.63	-372.40	-3.73e-04	0.0	301.2	3099.33	404.90	32.92	371.62	-273.25	3624.37
266	1	5592.22	-207.38	-6.05e-03	-142.69	0.0	5332.49	459.24	61.99	655.08	-394.07	4423.88
		4423.88	-394.07	-3.66e-04	0.0	301.2	5332.49	316.55	61.99	655.08	-207.38	5592.22
266	2	5638.71	-191.40	-6.11e-03	-142.69	0.0	5423.17	465.46	61.96	665.30	-378.04	4451.63
		4451.63	-378.04	-3.69e-04	0.0	301.2	5423.17	322.77	61.96	665.30	-191.40	5638.71
266	3	5580.56	-148.09	-6.07e-03	-142.69	0.0	5316.75	472.14	64.23	686.67	-341.55	4373.35
		4373.35	-341.55	-3.95e-04	0.0	301.2	5316.75	329.45	64.23	686.67	-148.09	5580.56
266	4	5575.58	-147.57	-6.05e-03	-142.69	0.0	5337.74	473.40	65.10	686.13	-343.65	4364.57
		4364.57	-343.65	-6.25e-04	0.0	301.2	5337.74	330.72	65.10	686.13	-147.57	5575.58
266	5	6709.03	-59.76	-7.47e-03	-142.69	0.0	6429.53	687.37	97.11	924.34	-352.24	4853.57
		4853.57	-352.24	-6.51e-04	0.0	301.2	6429.53	544.68	97.11	924.34	-59.76	6709.03
266	6	5595.68	-207.40	-6.06e-03	-142.69	0.0	5349.83	460.24	62.34	653.83	-395.18	4424.31
		4424.31	-395.18	-6.26e-04	0.0	301.2	5349.83	317.55	62.34	653.83	-207.40	5595.68
266	7	5488.04	-171.61	-5.96e-03	-142.69	0.0	5236.34	458.78	61.95	659.90	-358.21	4321.08
		4321.08	-358.21	-3.81e-04	0.0	301.2	5236.34	316.09	61.95	659.90	-171.61	5488.04
266	8	4297.57	-113.67	-4.68e-03	-105.70	0.0	4088.65	361.71	49.58	529.44	-262.99	3367.29
		3367.29	-262.99	-3.02e-04	0.0	301.2	4088.65	256.01	49.58	529.44	-113.67	4297.57
266	9	3959.49	-139.97	-4.29e-03	-105.70	0.0	3781.53	328.92	44.05	467.14	-272.64	3127.96
		3127.96	-272.64	-2.64e-04	0.0	301.2	3781.53	223.22	44.05	467.14	-139.97	3959.49
266	10	3953.01	-107.03	-4.30e-03	-105.70	0.0	3772.78	336.09	45.29	484.69	-243.46	3099.90
		3099.90	-243.46	-2.80e-04	0.0	301.2	3772.78	230.39	45.29	484.69	-107.03	3953.01
266	11	3961.41	-139.98	-4.29e-03	-105.70	0.0	3791.16	329.48	44.25	466.44	-273.25	3128.21
		3128.21	-273.25	-4.09e-04	0.0	301.2	3791.16	223.78	44.25	466.44	-139.98	3961.41
267	1	5632.64	-13.94	-1.99e-03	-142.69	0.0	5821.24	201.16	64.22	734.79	-207.38	5241.65
		5241.65	-207.38	-3.87e-04	0.0	301.2	5821.24	58.47	64.22	734.79	-13.94	5632.64
267	2	5681.81	0.28	-2.02e-03	-142.69	0.0	5920.41	204.93	63.64	739.45	-191.40	5279.45
		5279.45	-191.40	-3.88e-04	0.0	301.2	5920.41	62.24	63.64	739.45	0.28	5681.81
267	3	5638.21	47.04	-2.03e-03	-142.69	0.0	5817.24	215.52	64.78	743.97	-148.09	5203.96
		5203.96	-148.09	-4.09e-04	0.0	301.2	5817.24	72.83	64.78	743.97	47.04	5638.21
267	4	5631.92	48.58	-2.02e-03	-142.69	0.0	5842.46	216.30	65.13	743.61	-147.57	5195.33
		5195.33	-147.57	-6.40e-04	0.0	301.2	5842.46	73.61	65.13	743.61	48.58	5631.92
267	5	7199.06	415.48	-2.68e-03	-142.69	0.0	7353.84	475.26	157.78	944.64	-59.76	5982.47
		5982.47	-59.76	-6.45e-04	0.0	301.2	7353.84	332.57	157.78	944.64	415.48	7199.06
267	6	5635.58	-13.70	-2.00e-03	-142.69	0.0	5841.79	201.74	64.31	733.90	-207.40	5242.82
		5242.82	-207.40	-6.47e-04	0.0	301.2	5841.79	59.05	64.31	733.90	-13.70	5635.58
267	7	5536.45	19.11	-1.98e-03	-142.69	0.0	5722.51	206.19	63.32	726.25	-171.61	5130.28
		5130.28	-171.61	-3.98e-04	0.0	301.2	5722.51	63.50	63.32	726.25	19.11	5536.45
267	8	4342.34	36.89	-1.56e-03	-105.70	0.0	4474.28	164.27	49.99	573.19	-113.67	4006.75
		4006.75	-113.67	-3.14e-04	0.0	301.2	4474.28	58.57	49.99	573.19	36.89	4342.34
267	9	3989.80	-3.08	-1.42e-03	-105.70	0.0	4128.91	146.11	45.45	521.25	-139.97	3708.89
		3708.89	-139.97	-2.78e-04	0.0	301.2	4128.91	40.42	45.45	521.25	-3.08	3989.80
267	10	3992.89	30.79	-1.44e-03	-105.70	0.0	4126.69	154.09	45.76	526.35	-107.03	3687.95
		3687.95	-107.03	-2.91e-04	0.0	301.2	4126.69	48.39	45.76	526.35	30.79	3992.89
267	11	3991.43	-2.95	-1.42e-03	-105.70	0.0	4140.33	146.44	45.50	520.76	-139.98	3709.54
		3709.54	-139.98	-4.23e-04	0.0	301.2	4140.33	40.74	45.50	520.76	-2.95	3991.43
268	1	5623.03	176.34	-2.22e-03	-142.69	0.0	5833.53	-58.31	63.17	750.70	-13.94	5623.03
		5232.51	-13.94	-3.78e-04	0.0	301.2	5833.53	-201.00	63.17	750.70	176.34	5232.51
268	2	5668.96	187.74	-2.23e-03	-142.69	0.0	5934.12	-57.01	62.24	750.42	0.28	5668.96
		5282.36	0.28	-3.77e-04	0.0	301.2	5934.12	-199.70	62.24	750.42	187.74	5282.36
268	3	5601.38	234.59	-2.18e-03	-142.69	0.0	5842.07	-43.79	62.27	736.74	47.04	5601.38
		5254.59	47.04	-3.94e-04	0.0	301.2	5842.07	-186.48	62.27	736.74	234.59	5254.59
268	4	5591.87	237.06	-2.19e-03	-142.69	0.0	5870.93	-43.41	62.57	736.12	48.58	5591.87
		5246.21	48.58	-6.24e-04	0.0	301.2	5870.93	-186.10	62.57	736.12	237.06	5246.21
268	5	7190.05	420.70	-2.56e-03	-142.69	0.0	7531.98	-233.91	19.32	784.27	362.50	7190.05
		6270.63	362.50	-6.49e-04	0.0	301.2	7531.98	-376.60	19.32	784.27	420.70	6270.63
268	6	5624.16	177.09	-2.22e-03	-142.69	0.0	5856.73	-58.42	63.34	750.14	-13.70	5624.16
		5233.30	-13.70	-6.38e-04	0.0	301.2	5856.73	-201.11	63.34	750.14	177.09	5233.30
268	7	5512.87	204.40	-2.16e-03	-142.69	0.0	5741.31	-48.31	61.52	729.80	19.11	5512.87
		5152.47	19.11	-3.86e-04	0.0	301.2	5741.31	-191.00	61.52	729.80	204.40	5152.47
268	8	4312.72	181.57	-1.68e-03	-105.70	0.0	4494.15	-35.29	48.04	567.15	36.89	4312.72
		4047.24	36.89	-3.03e-04	0.0	301.2	4494.15	-140.99	48.04	567.15	181.57	4047.24
268	9	3981.02	131.08	-1.57e-03	-105.70	0.0	4138.36	-37.76	44.54	530.20	-3.08	3981.02
		3708.10	-3.08	-2.71e-04	0.0	301.2	4138.36	-143.46	44.54	530.20	131.08	3708.10
268	10	3968.99	163.45	-1.55e-03	-105.70	0.0	4143.11	-29.70	44.04	522.45	30.79	3968.99

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		3720.36	30.79	-2.80e-04	0.0	301.2	4143.11	-135.39	44.04	522.45	163.45	3720.36
268	11	3981.65	131.50	-1.57e-03	-105.70	0.0	4151.25	-37.83	44.64	529.89	-2.95	3981.65
		3708.53	-2.95	-4.15e-04	0.0	301.2	4151.25	-143.52	44.64	529.89	131.50	3708.53
269	1	5560.44	343.09	-6.27e-03	-142.69	0.0	5374.46	-317.52	55.36	704.52	176.34	5560.44
		4389.18	176.34	-3.40e-04	0.0	301.2	5374.46	-460.21	55.36	704.52	343.09	4389.18
269	2	5612.87	351.12	-6.32e-03	-142.69	0.0	5469.13	-319.26	54.24	700.39	187.74	5612.87
		4436.37	187.74	-3.38e-04	0.0	301.2	5469.13	-461.95	54.24	700.39	351.12	4436.37
269	3	5556.98	394.36	-6.23e-03	-142.69	0.0	5394.21	-304.16	53.04	668.48	234.59	5556.98
		4425.97	234.59	-3.50e-04	0.0	301.2	5394.21	-446.84	53.04	668.48	394.36	4425.97
269	4	5545.11	398.60	-6.23e-03	-142.69	0.0	5426.85	-304.02	53.63	667.09	237.06	5545.11
		4414.52	237.06	-5.80e-04	0.0	301.2	5426.85	-446.71	53.63	667.09	398.60	4414.52
269	5	6810.44	495.30	-7.48e-03	-142.69	0.0	6717.28	-480.33	24.77	657.25	420.70	6810.44
		5148.79	420.70	-5.69e-04	0.0	301.2	6717.28	-623.02	24.77	657.25	495.30	5148.79
269	6	5559.66	345.14	-6.26e-03	-142.69	0.0	5399.83	-318.41	55.80	704.14	177.09	5559.66
		4385.73	177.09	-5.99e-04	0.0	301.2	5399.83	-461.10	55.80	704.14	345.14	4385.73
269	7	5461.12	364.36	-6.14e-03	-142.69	0.0	5296.72	-303.34	53.11	673.10	204.40	5461.12
		4332.56	204.40	-3.45e-04	0.0	301.2	5296.72	-446.03	53.11	673.10	364.36	4332.56
269	8	4278.60	304.76	-4.80e-03	-105.70	0.0	4150.36	-235.72	40.90	514.05	181.57	4278.60
		3409.44	181.57	-2.69e-04	0.0	301.2	4150.36	-341.41	40.90	514.05	304.76	3409.44
269	9	3938.84	248.15	-4.44e-03	-105.70	0.0	3813.44	-221.57	38.87	495.38	131.08	3938.84
		3112.28	131.08	-2.43e-04	0.0	301.2	3813.44	-327.27	38.87	495.38	248.15	3112.28
269	10	3936.92	276.64	-4.42e-03	-105.70	0.0	3824.41	-214.15	37.58	475.36	163.45	3936.92
		3132.73	163.45	-2.49e-04	0.0	301.2	3824.41	-319.85	37.58	475.36	276.64	3132.73
269	11	3938.41	249.30	-4.44e-03	-105.70	0.0	3827.53	-222.07	39.11	495.17	131.50	3938.41
		3110.37	131.50	-3.87e-04	0.0	301.2	3827.53	-327.76	39.11	495.17	249.30	3110.37
270	1	5052.49	492.44	-9.79e-03	-142.69	0.0	4446.84	-577.57	49.58	589.04	343.09	5052.49
		3097.95	343.09	-2.90e-04	0.0	301.2	4446.84	-720.26	49.58	589.04	492.44	3097.95
270	2	5108.72	497.25	-9.88e-03	-142.69	0.0	4527.37	-583.49	48.51	582.19	351.12	5108.72
		3136.35	351.12	-2.86e-04	0.0	301.2	4527.37	-726.18	48.51	582.19	497.25	3136.35
270	3	5068.33	530.26	-9.78e-03	-142.69	0.0	4474.31	-566.92	45.12	534.18	394.36	5068.33
		3145.87	394.36	-2.94e-04	0.0	301.2	4474.31	-709.61	45.12	534.18	530.26	3145.87
270	4	5052.91	538.22	-9.77e-03	-142.69	0.0	4510.93	-566.81	46.35	531.14	398.60	5052.91
		3130.78	398.60	-5.23e-04	0.0	301.2	4510.93	-709.50	46.35	531.14	538.22	3130.78
270	5	6025.19	598.17	-0.01	-142.69	0.0	5443.49	-740.37	34.15	473.69	495.30	6025.19
		3580.29	495.30	-5.09e-04	0.0	301.2	5443.49	-883.06	34.15	473.69	598.17	3580.29
270	6	5046.58	496.18	-9.79e-03	-142.69	0.0	4474.83	-578.78	50.14	588.33	345.14	5046.58
		3088.41	345.14	-5.48e-04	0.0	301.2	4474.83	-721.47	50.14	588.33	496.18	3088.41
270	7	4973.20	503.77	-9.61e-03	-142.69	0.0	4389.84	-560.37	46.29	550.24	364.36	4973.20
		3070.48	364.36	-2.92e-04	0.0	301.2	4389.84	-703.06	46.29	550.24	503.77	3070.48
270	8	3902.61	409.22	-7.53e-03	-105.70	0.0	3443.18	-438.04	34.68	410.16	304.76	3902.61
		2424.06	304.76	-2.25e-04	0.0	301.2	3443.18	-543.73	34.68	410.16	409.22	2424.06
270	9	3581.15	352.50	-6.94e-03	-105.70	0.0	3156.07	-406.14	34.64	411.82	248.15	3581.15
		2198.67	248.15	-2.07e-04	0.0	301.2	3156.07	-511.84	34.64	411.82	352.50	2198.67
270	10	3589.94	373.51	-6.93e-03	-105.70	0.0	3171.34	-400.22	32.16	381.35	276.64	3589.94
		2225.30	276.64	-2.09e-04	0.0	301.2	3171.34	-505.92	32.16	381.35	373.51	2225.30
270	11	3577.86	354.58	-6.93e-03	-105.70	0.0	3171.62	-406.81	34.95	411.43	249.30	3577.86
		2193.37	249.30	-3.50e-04	0.0	301.2	3171.62	-512.51	34.95	411.43	354.58	2193.37
271	1	4134.74	509.12	-0.01	-142.69	0.0	3005.72	-844.02	5.54	435.59	492.44	4134.74
		1377.65	492.44	-2.14e-04	0.0	301.2	3005.72	-986.71	5.54	435.59	509.12	1377.65
271	2	4189.37	508.14	-0.01	-142.69	0.0	3062.63	-856.04	3.62	427.60	497.25	4189.37
		1396.08	497.25	-2.09e-04	0.0	301.2	3062.63	-998.73	3.62	427.60	508.14	1396.08
271	3	4168.56	530.26	-0.01	-142.69	0.0	3036.48	-838.41	-2.65	368.07	530.26	4168.56
		1428.39	522.29	-2.13e-04	0.0	301.2	3036.48	-981.10	-2.65	368.07	522.29	1428.39
271	4	4151.16	548.51	-0.01	-142.69	0.0	3074.29	-838.45	3.42	359.19	538.22	4151.16
		1410.85	538.22	-4.42e-04	0.0	301.2	3074.29	-981.14	3.42	359.19	548.51	1410.85
271	5	4848.64	598.17	-0.01	-142.69	0.0	3649.49	-1014.48	-11.52	281.13	598.17	4848.64
		1578.14	563.47	-4.21e-04	0.0	301.2	3649.49	-1157.17	-11.52	281.13	563.47	1578.14
271	6	4120.99	534.24	-0.01	-142.69	0.0	3037.07	-844.79	12.64	428.16	496.18	4120.99
		1361.60	496.18	-4.75e-04	0.0	301.2	3037.07	-987.48	12.64	428.16	534.24	1361.60
271	7	4082.46	507.70	-0.01	-142.69	0.0	2974.97	-825.69	1.30	393.24	503.77	4082.46
		1380.60	503.77	-2.14e-04	0.0	301.2	2974.97	-968.38	1.30	393.24	507.70	1380.60
271	8	3210.34	409.22	-9.62e-03	-105.70	0.0	2337.11	-647.18	-2.19	281.89	409.22	3210.34
		1101.87	402.62	-1.63e-04	0.0	301.2	2337.11	-752.87	-2.19	281.89	402.62	1101.87
271	9	2932.72	361.84	-8.84e-03	-105.70	0.0	2134.42	-595.46	3.10	301.98	352.50	2932.72
		980.00	352.50	-1.52e-04	0.0	301.2	2134.42	-701.16	3.10	301.98	361.84	980.00
271	10	2951.51	373.51	-8.85e-03	-105.70	0.0	2151.51	-592.34	-1.45	264.47	373.51	2951.51
		1008.19	369.16	-1.52e-04	0.0	301.2	2151.51	-698.04	-1.45	264.47	369.16	1008.19
271	11	2925.09	375.80	-8.83e-03	-105.70	0.0	2151.83	-595.89	7.05	297.86	354.58	2925.09
		971.09	354.58	-2.97e-04	0.0	301.2	2151.83	-701.59	7.05	297.86	375.80	971.09
272	1	2836.30	509.12	-0.01	-142.69	0.0	1030.12	-1153.13	-103.59	317.28	509.12	2836.30
		-851.84	197.11	-1.10e-04	0.0	301.2	1030.12	-1295.82	-103.59	317.28	197.11	-851.84
272	2	2878.19	508.14	-0.01	-142.69	0.0	1053.60	-1174.89	-105.43	307.97	508.14	2878.19

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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272	3	-875.48	190.57	-1.07e-04	0.0	301.2	1053.60	-1317.58	-105.43	307.97	190.57	-875.48
		2882.85	522.29	-0.01	-142.69	0.0	1058.81	-1156.45	-117.68	247.45	522.29	2882.85
		-815.26	167.85	-1.07e-04	0.0	301.2	1058.81	-1299.14	-117.68	247.45	167.85	-815.26
272	4	2877.71	548.51	-0.01	-142.69	0.0	1078.90	-1157.20	-124.91	244.43	548.51	2877.71
		-822.68	172.27	-3.21e-04	0.0	301.2	1078.90	-1299.89	-124.91	244.43	172.27	-822.68
272	5	3297.90	563.47	-0.02	-142.69	0.0	1300.75	-1349.38	-141.14	153.15	563.47	3297.90
		-981.32	138.35	-3.05e-04	0.0	301.2	1300.75	-1492.07	-141.14	153.15	138.35	-981.32
272	6	2827.61	534.24	-0.01	-142.69	0.0	1047.79	-1152.08	-110.48	313.83	534.24	2827.61
		-857.36	201.47	-3.59e-04	0.0	301.2	1047.79	-1294.77	-110.48	313.83	201.47	-857.36
272	7	2814.48	507.70	-0.01	-142.69	0.0	1029.08	-1136.44	-109.29	276.55	507.70	2814.48
		-823.37	178.53	-1.10e-04	0.0	301.2	1029.08	-1279.13	-109.29	276.55	178.53	-823.37
272	8	2221.18	402.62	-0.01	-105.70	0.0	815.03	-892.28	-90.88	189.01	402.62	2221.18
		-625.55	128.89	-8.10e-05	0.0	301.2	815.03	-929.97	-90.88	189.01	128.89	-625.55
272	9	2013.66	361.84	-9.92e-03	-105.70	0.0	733.62	-815.46	-74.83	217.95	361.84	2013.66
		-601.68	136.45	-7.88e-05	0.0	301.2	733.62	-921.15	-74.83	217.95	136.45	-601.68
272	10	2039.52	369.16	-9.94e-03	-105.70	0.0	749.55	-817.30	-82.66	179.15	369.16	2039.52
		-581.36	120.20	-7.70e-05	0.0	301.2	749.55	-922.99	-82.66	179.15	120.20	-581.36
272	11	2008.83	375.80	-9.91e-03	-105.70	0.0	743.43	-814.87	-78.66	216.03	375.80	2008.83
		-604.74	138.87	-2.17e-04	0.0	301.2	743.43	-920.57	-78.66	216.03	138.87	-604.74
273	1	4823.78	-444.20	-0.02	-149.80	0.0	3659.10	1093.53	-28.40	260.13	-444.20	1602.86
		1602.86	-533.99	2.56e-04	0.0	316.2	3659.10	943.73	-28.40	260.13	-533.99	4823.78
273	2	5269.35	-529.63	-0.02	-149.80	0.0	3974.04	1250.23	-2.16	531.41	-529.63	1552.96
		1552.96	-536.46	4.07e-05	0.0	316.2	3974.04	1100.43	-2.16	531.41	-536.46	5269.35
273	3	4656.23	-484.94	-0.02	-149.80	0.0	3580.00	1067.33	11.36	281.34	-520.87	1518.16
		1518.16	-520.87	-3.71e-04	0.0	316.2	3580.00	917.53	11.36	281.34	-484.94	4656.23
273	4	4704.06	-445.07	-0.02	-149.80	0.0	3509.91	1064.77	-25.44	298.30	-445.07	1574.09
		1574.09	-525.53	3.19e-04	0.0	316.2	3509.91	914.97	-25.44	298.30	-525.53	4704.06
273	5	4801.92	-449.01	-0.02	-149.80	0.0	3589.97	1090.68	-25.68	302.63	-449.01	1590.01
		1590.01	-530.22	3.19e-04	0.0	316.2	3589.97	940.89	-25.68	302.63	-530.22	4801.92
273	6	4843.52	-463.38	-0.02	-149.80	0.0	3628.08	1089.98	-30.31	252.75	-463.38	1633.82
		1633.82	-559.21	3.11e-04	0.0	316.2	3628.08	940.19	-30.31	252.75	-559.21	4843.52
273	7	4680.86	-446.10	-0.02	-149.80	0.0	3499.23	1057.73	-26.39	276.36	-446.10	1573.13
		1573.13	-529.54	3.03e-04	0.0	316.2	3499.23	907.94	-26.39	276.36	-529.54	4680.86
273	8	3584.62	-373.17	-0.01	-110.96	0.0	2761.16	819.41	11.25	211.43	-408.74	1169.06
		1169.06	-408.74	-3.40e-04	0.0	316.2	2761.16	708.45	11.25	211.43	-373.17	3584.62
273	9	3399.25	-313.87	-0.01	-110.96	0.0	2573.96	773.84	-19.18	193.02	-313.87	1127.80
		1127.80	-374.52	1.90e-04	0.0	316.2	2573.96	662.88	-19.18	193.02	-374.52	3399.25
273	10	3306.16	-347.28	-0.01	-110.96	0.0	2530.02	759.28	2.91	204.80	-356.47	1080.75
		1080.75	-356.47	-1.59e-04	0.0	316.2	2530.02	648.32	2.91	204.80	-347.28	3306.16
273	11	3410.21	-324.53	-0.01	-110.96	0.0	2556.73	771.86	-20.24	188.92	-324.53	1145.00
		1145.00	-388.54	2.20e-04	0.0	316.2	2556.73	660.90	-20.24	188.92	-388.54	3410.21
274	1	5854.68	-484.13	-0.01	-149.80	0.0	5379.76	799.44	15.77	476.62	-533.99	3563.67
		3563.67	-533.99	3.04e-04	0.0	316.2	5379.76	649.65	15.77	476.62	-484.13	5854.68
274	2	6624.89	-462.70	-0.01	-149.80	0.0	6026.51	987.56	23.33	769.36	-536.46	3739.05
		3739.05	-536.46	5.76e-05	0.0	316.2	6026.51	837.77	23.33	769.36	-462.70	6624.89
274	3	5691.27	-431.19	-0.01	-149.80	0.0	5236.96	787.73	17.00	513.23	-484.94	3437.31
		3437.31	-484.94	-3.55e-04	0.0	316.2	5236.96	637.93	17.00	513.23	-431.19	5691.27
274	4	5714.72	-453.18	-0.01	-149.80	0.0	5192.10	786.13	22.88	501.50	-525.53	3465.79
		3465.79	-525.53	3.75e-04	0.0	316.2	5192.10	636.34	22.88	501.50	-453.18	5714.72
274	5	5832.82	-460.41	-0.01	-149.80	0.0	5319.07	803.99	22.08	507.80	-530.22	3527.44
		3527.44	-530.22	3.75e-04	0.0	316.2	5319.07	654.19	22.08	507.80	-460.41	5832.82
274	6	5864.69	-497.20	-0.01	-149.80	0.0	5358.62	798.56	19.61	469.05	-559.21	3576.47
		3576.47	-559.21	3.70e-04	0.0	316.2	5358.62	648.76	19.61	469.05	-497.20	5864.69
274	7	5679.94	-462.38	-0.01	-149.80	0.0	5171.45	779.63	21.24	481.49	-529.54	3451.57
		3451.57	-529.54	3.59e-04	0.0	316.2	5171.45	629.84	21.24	481.49	-462.38	5679.94
274	8	4383.45	-333.89	-9.27e-03	-110.96	0.0	4033.75	604.18	12.42	393.42	-373.17	2648.45
		2648.45	-373.17	-3.31e-04	0.0	316.2	4033.75	493.22	12.42	393.42	-333.89	4383.45
274	9	4127.02	-335.42	-8.66e-03	-110.96	0.0	3789.55	567.43	12.37	343.57	-374.52	2508.24
		2508.24	-374.52	2.24e-04	0.0	316.2	3789.55	456.47	12.37	343.57	-335.42	4127.02
274	10	4036.24	-306.01	-8.54e-03	-110.96	0.0	3710.21	560.92	13.05	363.91	-347.28	2438.04
		2438.04	-347.28	-1.42e-04	0.0	316.2	3710.21	449.96	13.05	363.91	-306.01	4036.24
274	11	4132.58	-342.68	-8.68e-03	-110.96	0.0	3777.80	566.94	14.50	339.37	-388.54	2515.35
		2515.35	-388.54	2.61e-04	0.0	316.2	3777.80	455.98	14.50	339.37	-342.68	4132.58
275	1	6393.79	-345.50	-7.79e-03	-149.80	0.0	6508.42	503.42	43.84	665.66	-484.13	5038.80
		5038.80	-484.13	3.58e-04	0.0	316.2	6508.42	353.62	43.84	665.66	-345.50	6393.79
275	2	7546.32	-234.45	-9.44e-03	-149.80	0.0	7545.21	728.93	72.19	938.42	-462.70	5478.29
		5478.29	-462.70	9.90e-05	0.0	316.2	7545.21	579.13	72.19	938.42	-234.45	7546.32
275	3	6248.75	-288.07	-7.69e-03	-149.80	0.0	6326.64	502.95	45.26	684.42	-431.19	4895.25
		4895.25	-431.19	-3.11e-04	0.0	316.2	6326.64	353.15	45.26	684.42	-288.07	6248.75
275	4	6253.06	-303.53	-7.67e-03	-149.80	0.0	6298.91	500.93	47.33	678.15	-453.18	4905.95
		4905.95	-453.18	4.26e-04	0.0	316.2	6298.91	351.13	47.33	678.15	-303.53	6253.06
275	5	6378.18	-313.87	-7.81e-03	-149.80	0.0	6458.68	511.58	46.34	685.48	-460.41	4997.38

		4997.38	-460.41	4.30e-04	0.0	316.2	6458.68	361.79	46.34	685.48	-313.87	6378.18
275	6	6399.37	-353.60	-7.81e-03	-149.80	0.0	6492.67	503.23	45.41	662.08	-497.20	5044.99
		5044.99	-497.20	4.28e-04	0.0	316.2	6492.67	353.43	45.41	662.08	-353.60	6399.37
275	7	6208.05	-317.43	-7.59e-03	-149.80	0.0	6271.14	495.40	45.84	661.15	-462.38	4878.42
		4878.42	-462.38	4.13e-04	0.0	316.2	6271.14	345.60	45.84	661.15	-317.43	6208.05
275	8	4813.92	-224.12	-5.92e-03	-110.96	0.0	4870.42	384.87	34.72	526.26	-333.89	3772.38
		3772.38	-333.89	-2.97e-04	0.0	316.2	4870.42	273.91	34.72	526.26	-224.12	4813.92
275	9	4509.15	-235.79	-5.51e-03	-110.96	0.0	4587.58	359.19	31.51	474.41	-335.42	3548.82
		3548.82	-335.42	2.62e-04	0.0	316.2	4587.58	248.23	31.51	474.41	-235.79	4509.15
275	10	4428.57	-203.88	-5.45e-03	-110.96	0.0	4486.59	358.93	32.30	484.83	-306.01	3469.07
		3469.07	-306.01	-1.10e-04	0.0	316.2	4486.59	247.97	32.30	484.83	-203.88	4428.57
275	11	4512.25	-240.29	-5.52e-03	-110.96	0.0	4578.84	359.08	32.38	472.42	-342.68	3552.26
		3552.26	-342.68	3.01e-04	0.0	316.2	4578.84	248.12	32.38	472.42	-240.29	4512.25
276	1	6425.40	-156.92	-2.68e-03	-149.80	0.0	7032.05	201.98	59.64	806.38	-345.50	6023.57
		6023.57	-345.50	3.92e-04	0.0	316.2	7032.05	52.18	59.64	806.38	-156.92	6425.40
276	2	8056.66	236.52	-3.50e-03	-149.80	0.0	8516.32	476.37	148.95	1020.08	-234.45	6787.20
		6787.20	-234.45	1.18e-04	0.0	316.2	8516.32	326.57	148.95	1020.08	236.52	8056.66
276	3	6302.08	-98.05	-2.69e-03	-149.80	0.0	6838.64	209.71	60.10	804.99	-288.07	5875.80
		5875.80	-288.07	-2.87e-04	0.0	316.2	6838.64	59.92	60.10	804.99	-98.05	6302.08
276	4	6297.75	-109.44	-2.67e-03	-149.80	0.0	6817.24	208.20	61.38	802.24	-303.53	5876.24
		5876.24	-303.53	4.55e-04	0.0	316.2	6817.24	58.41	61.38	802.24	-109.44	6297.75
276	5	6419.58	-122.69	-2.72e-03	-149.80	0.0	6995.29	212.23	60.46	810.97	-313.87	5985.33
		5985.33	-313.87	4.63e-04	0.0	316.2	6995.29	62.43	60.46	810.97	-122.69	6419.58
276	6	6429.39	-162.29	-2.69e-03	-149.80	0.0	7018.81	201.98	60.50	804.95	-353.60	6027.57
		6027.57	-353.60	4.64e-04	0.0	316.2	7018.81	52.18	60.50	804.95	-162.29	6429.39
276	7	6245.60	-127.50	-2.63e-03	-149.80	0.0	6784.92	204.11	60.07	790.03	-317.43	5837.04
		5837.04	-317.43	4.44e-04	0.0	316.2	6784.92	54.31	60.07	790.03	-127.50	6245.60
276	8	4854.94	-77.58	-2.07e-03	-110.96	0.0	5263.16	158.90	46.34	620.33	-224.12	4527.93
		4527.93	-224.12	-2.78e-04	0.0	316.2	5263.16	47.94	46.34	620.33	-77.58	4854.94
276	9	4533.93	-102.00	-1.90e-03	-110.96	0.0	4959.06	146.89	42.31	570.39	-235.79	4244.91
		4244.91	-235.79	2.85e-04	0.0	316.2	4959.06	35.93	42.31	570.39	-102.00	4533.93
276	10	4465.42	-69.30	-1.91e-03	-110.96	0.0	4851.60	151.18	42.56	569.63	-203.88	4162.81
		4162.81	-203.88	-9.19e-05	0.0	316.2	4851.60	40.22	42.56	569.63	-69.30	4465.42
276	11	4536.15	-104.99	-1.90e-03	-110.96	0.0	4951.70	146.88	42.79	569.60	-240.29	4247.13
		4247.13	-240.29	3.25e-04	0.0	316.2	4951.70	35.92	42.79	569.60	-104.99	4536.15
277	1	6495.60	65.68	-2.65e-03	-149.80	0.0	6952.55	-98.45	70.40	883.05	-156.92	6495.60
		5947.48	-156.92	3.92e-04	0.0	316.2	6952.55	-248.24	70.40	883.05	65.68	5947.48
277	2	8121.07	266.81	-3.01e-03	-149.80	0.0	8609.04	-271.90	26.34	918.07	183.54	8121.07
		7024.48	183.54	1.46e-04	0.0	316.2	8609.04	-421.70	26.34	918.07	266.81	7024.48
277	3	6353.18	121.97	-2.53e-03	-149.80	0.0	6768.00	-84.07	69.58	860.33	-98.05	6353.18
		5850.53	-98.05	-2.95e-04	0.0	316.2	6768.00	-233.86	69.58	860.33	121.97	5850.53
277	4	6348.42	113.23	-2.55e-03	-149.80	0.0	6748.83	-84.82	70.42	860.77	-109.44	6348.42
		5843.39	-109.44	4.50e-04	0.0	316.2	6748.83	-234.61	70.42	860.77	113.23	5843.39
277	5	6465.41	98.74	-2.60e-03	-149.80	0.0	6930.49	-87.03	70.03	871.47	-122.69	6465.41
		5953.40	-122.69	4.62e-04	0.0	316.2	6930.49	-236.82	70.03	871.47	98.74	5953.40
277	6	6498.81	62.05	-2.64e-03	-149.80	0.0	6940.77	-98.39	70.95	883.06	-162.29	6498.81
		5950.89	-162.29	4.66e-04	0.0	316.2	6940.77	-248.18	70.95	883.06	62.05	5950.89
277	7	6300.45	92.41	-2.55e-03	-149.80	0.0	6714.64	-87.04	69.55	854.73	-127.50	6300.45
		5788.41	-127.50	4.42e-04	0.0	316.2	6714.64	-236.83	69.55	854.73	92.41	5788.41
277	8	4895.12	92.50	-1.95e-03	-110.96	0.0	5207.64	-67.44	53.79	663.98	-77.58	4895.12
		4506.43	-77.58	-2.84e-04	0.0	316.2	5207.64	-178.40	53.79	663.98	92.50	4506.43
277	9	4580.16	54.81	-1.86e-03	-110.96	0.0	4905.25	-64.94	49.59	621.02	-102.00	4580.16
		4199.39	-102.00	2.85e-04	0.0	316.2	4905.25	-175.90	49.59	621.02	54.81	4199.39
277	10	4501.04	86.08	-1.79e-03	-110.96	0.0	4802.72	-56.95	49.14	608.40	-69.30	4501.04
		4145.53	-69.30	-9.71e-05	0.0	316.2	4802.72	-167.91	49.14	608.40	86.08	4145.53
277	11	4581.95	52.80	-1.86e-03	-110.96	0.0	4898.70	-64.91	49.90	621.03	-104.99	4581.95
		4201.28	-104.99	3.26e-04	0.0	316.2	4898.70	-175.87	49.90	621.03	52.80	4201.28
278	1	6432.48	304.11	-7.76e-03	-149.80	0.0	6296.22	-389.20	75.41	881.84	65.68	6432.48
		4965.00	65.68	3.57e-04	0.0	316.2	6296.22	-539.00	75.41	881.84	304.11	4965.00
278	2	7728.87	417.00	-9.11e-03	-149.80	0.0	7587.29	-548.65	47.50	834.30	266.81	7728.87
		5757.22	266.81	8.49e-05	0.0	316.2	7587.29	-698.44	47.50	834.30	417.00	5757.22
278	3	6304.53	353.07	-7.54e-03	-149.80	0.0	6136.83	-368.88	73.09	838.73	121.97	6304.53
		4901.31	121.97	-3.38e-04	0.0	316.2	6136.83	-518.67	73.09	838.73	353.07	4901.31
278	4	6297.43	345.91	-7.56e-03	-149.80	0.0	6119.13	-369.13	73.59	841.75	113.23	6297.43
		4893.41	113.23	4.08e-04	0.0	316.2	6119.13	-518.93	73.59	841.75	345.91	4893.41
278	5	6414.25	332.67	-7.70e-03	-149.80	0.0	6289.27	-377.63	73.98	854.75	98.74	6414.25
		4983.37	98.74	4.26e-04	0.0	316.2	6289.27	-527.42	73.98	854.75	332.67	4983.37
278	6	6435.25	301.76	-7.75e-03	-149.80	0.0	6285.64	-389.10	75.81	882.80	62.05	6435.25
		4968.07	62.05	4.32e-04	0.0	316.2	6285.64	-538.90	75.81	882.80	301.76	4968.07
278	7	6244.72	324.28	-7.51e-03	-149.80	0.0	6085.88	-369.17	73.33	842.80	92.41	6244.72
		4840.58	92.41	4.04e-04	0.0	316.2	6085.88	-518.96	73.33	842.80	324.28	4840.58
278	8	4856.43	271.40	-5.81e-03	-110.96	0.0	4720.91	-286.68	56.58	648.06	92.50	4856.43

		3774.53	92.50	-3.18e-04	0.0	316.2	4720.91	-397.64	56.58	648.06	271.40	3774.53
278	9	4538.45	221.90	-5.47e-03	-110.96	0.0	4444.36	-270.23	52.84	616.91	54.81	4538.45
		3508.55	54.81	2.58e-04	0.0	316.2	4444.36	-381.19	52.84	616.91	221.90	3508.55
278	10	4467.37	249.10	-5.35e-03	-110.96	0.0	4355.81	-258.94	51.56	592.96	86.08	4467.37
		3473.17	86.08	-1.28e-04	0.0	316.2	4355.81	-369.90	51.56	592.96	249.10	3473.17
278	11	4539.99	220.59	-5.46e-03	-110.96	0.0	4438.49	-270.18	53.07	617.44	52.80	4539.99
		3510.26	52.80	3.00e-04	0.0	316.2	4438.49	-381.14	53.07	617.44	220.59	3510.26
279	1	5825.04	480.00	-0.01	-149.80	0.0	5107.91	-665.28	55.63	800.63	304.11	5825.04
		3484.59	304.11	2.84e-04	0.0	316.2	5107.91	-815.08	55.63	800.63	480.00	3484.59
279	2	6837.60	545.53	-0.01	-149.80	0.0	6046.33	-822.98	40.65	689.19	417.00	6837.60
		3998.51	417.00	-2.55e-05	0.0	316.2	6046.33	-972.78	40.65	689.19	545.53	3998.51
279	3	5720.89	518.04	-0.01	-149.80	0.0	4988.35	-639.48	52.17	739.79	353.07	5720.89
		3462.02	332.07	-4.19e-04	0.0	316.2	4988.35	-809.28	52.17	739.79	518.04	3462.02
279	4	5713.21	509.88	-0.01	-149.80	0.0	4971.69	-639.54	51.86	745.30	345.91	5713.21
		3454.15	345.91	3.30e-04	0.0	316.2	4971.69	-789.34	51.86	745.30	509.88	3454.15
279	5	5822.70	499.76	-0.01	-149.80	0.0	5113.72	-655.16	52.84	760.51	332.67	5822.70
		3514.26	332.67	3.52e-04	0.0	316.2	5113.72	-804.95	52.84	760.51	499.76	3514.26
279	6	5827.48	478.42	-0.01	-149.80	0.0	5098.41	-665.15	55.87	802.22	301.76	5827.48
		3487.46	301.76	3.60e-04	0.0	316.2	5098.41	-814.94	55.87	802.22	478.42	3487.46
279	7	5660.49	490.52	-0.01	-149.80	0.0	4942.11	-637.27	52.58	753.54	324.28	5660.49
		3408.62	324.28	3.29e-04	0.0	316.2	4942.11	-787.06	52.58	753.54	490.52	3408.62
279	8	4405.22	399.57	-9.18e-03	-110.96	0.0	3836.71	-494.69	40.54	572.11	271.40	4405.22
		2665.59	271.40	-3.80e-04	0.0	316.2	3836.71	-605.65	40.54	572.11	399.57	2665.59
279	9	4112.99	343.87	-8.61e-03	-110.96	0.0	3607.49	-465.50	38.57	556.95	221.90	4112.99
		2465.66	221.90	2.06e-04	0.0	316.2	3607.49	-576.46	38.57	556.95	343.87	2465.66
279	10	4055.13	365.00	-8.45e-03	-110.96	0.0	3541.07	-451.16	36.66	523.16	249.10	4055.13
		2453.12	249.10	-1.84e-04	0.0	316.2	3541.07	-562.12	36.66	523.16	365.00	2453.12
279	11	4114.35	342.99	-8.60e-03	-110.96	0.0	3602.22	-465.42	38.71	557.84	220.59	4114.35
		2467.26	220.59	2.48e-04	0.0	316.2	3602.22	-576.38	38.71	557.84	342.99	2467.26
280	1	4687.95	548.51	-0.02	-149.80	0.0	3437.12	-939.81	21.66	634.93	480.00	4687.95
		1479.44	480.00	2.10e-04	0.0	316.2	3437.12	-1089.61	21.66	634.93	548.51	1479.44
280	2	5439.99	587.22	-0.02	-149.80	0.0	4021.33	-1104.54	13.19	485.37	545.53	5439.99
		1710.61	545.53	5.70e-05	0.0	316.2	4021.33	-1254.33	13.19	485.37	587.22	1710.61
280	3	4616.95	563.96	-0.02	-149.80	0.0	3371.55	-908.96	14.52	563.33	518.04	4616.95
		1505.99	518.04	-5.01e-04	0.0	316.2	3371.55	-1058.76	14.52	563.33	563.96	1505.99
280	4	4610.49	558.41	-0.02	-149.80	0.0	3354.55	-908.84	15.35	570.04	509.88	4610.49
		1499.90	509.88	2.50e-04	0.0	316.2	3354.55	-1058.64	15.35	570.04	558.41	1499.90
280	5	4704.52	556.52	-0.02	-149.80	0.0	3449.59	-933.79	17.95	585.76	499.76	4704.52
		1515.05	499.76	2.76e-04	0.0	316.2	3449.59	-1083.59	17.95	585.76	556.52	1515.05
280	6	4690.29	548.81	-0.02	-149.80	0.0	3428.54	-939.62	22.26	636.64	478.42	4690.29
		1482.40	478.42	2.86e-04	0.0	316.2	3428.54	-1089.41	22.26	636.64	548.81	1482.40
280	7	4562.64	546.00	-0.02	-149.80	0.0	3331.11	-904.13	17.55	584.43	490.52	4562.64
		1466.94	490.52	2.53e-04	0.0	316.2	3331.11	-1053.93	17.55	584.43	546.00	1466.94
280	8	3553.47	435.11	-0.01	-110.96	0.0	2593.20	-701.61	11.24	436.25	399.57	3553.47
		1159.54	399.57	-4.44e-04	0.0	316.2	2593.20	-812.57	11.24	436.25	435.11	1159.54
280	9	3313.52	389.45	-0.01	-110.96	0.0	2429.16	-659.96	14.41	438.20	343.87	3313.52
		1051.31	343.87	1.53e-04	0.0	316.2	2429.16	-770.92	14.41	438.20	389.45	1051.31
280	10	3274.08	398.03	-0.01	-110.96	0.0	2392.73	-642.82	10.45	398.43	365.00	3274.08
		1066.06	365.00	-2.42e-04	0.0	316.2	2392.73	-753.78	10.45	398.43	398.03	1066.06
280	11	3314.82	389.62	-0.01	-110.96	0.0	2424.39	-659.85	14.74	439.15	342.99	3314.82
		1052.96	342.99	1.95e-04	0.0	316.2	2424.39	-770.81	14.74	439.15	389.62	1052.96
281	1	3151.45	548.51	-0.02	-149.80	0.0	1178.36	-1260.76	-71.91	480.77	548.51	3151.45
		-1071.90	321.14	1.03e-04	0.0	316.2	1178.36	-1410.56	-71.91	480.77	321.14	-1071.90
281	2	3654.82	587.22	-0.02	-149.80	0.0	1384.08	-1448.02	-99.92	328.03	587.22	3654.82
		-1160.64	271.28	1.76e-04	0.0	316.2	1384.08	-1597.81	-99.92	328.03	271.28	-1160.64
281	3	3120.71	563.96	-0.02	-149.80	0.0	1184.31	-1225.89	-85.68	409.08	563.96	3120.71
		-992.39	293.06	6.14e-04	0.0	316.2	1184.31	-1375.69	-85.68	409.08	293.06	-992.39
281	4	3118.63	558.41	-0.02	-149.80	0.0	1163.56	-1224.28	-83.26	416.88	558.41	3118.63
		-989.36	295.14	-1.38e-04	0.0	316.2	1163.56	-1374.07	-83.26	416.88	295.14	-989.36
281	5	3184.98	556.52	-0.02	-149.80	0.0	1188.49	-1262.33	-80.43	431.68	556.52	3184.98
		-1043.33	302.21	-1.67e-04	0.0	316.2	1188.49	-1412.12	-80.43	431.68	302.21	-1043.33
281	6	3154.29	548.81	-0.02	-149.80	0.0	1170.13	-1260.34	-71.31	482.74	548.81	3154.29
		-1067.72	323.33	-1.78e-04	0.0	316.2	1170.13	-1410.13	-71.31	482.74	323.33	-1067.72
281	7	3079.31	546.00	-0.02	-149.80	0.0	1149.44	-1216.59	-77.55	433.19	546.00	3079.31
		-1004.39	300.80	-1.45e-04	0.0	316.2	1149.44	-1366.39	-77.55	433.19	300.80	-1004.39
281	8	2400.87	435.11	-0.01	-110.96	0.0	911.54	-945.24	-65.60	317.04	435.11	2400.87
		-763.39	227.67	-5.31e-04	0.0	316.2	911.54	-1056.20	-65.60	317.04	227.67	-763.39
281	9	2230.87	389.45	-0.01	-110.96	0.0	835.12	-887.21	-52.99	329.48	389.45	2230.87
		-749.92	221.88	7.64e-05	0.0	316.2	835.12	-998.17	-52.99	329.48	221.88	-749.92
281	10	2213.79	398.03	-0.01	-110.96	0.0	838.43	-867.84	-60.64	289.66	398.03	2213.79
		-705.75	206.28	3.22e-04	0.0	316.2	838.43	-978.80	-60.64	289.66	206.28	-705.75
281	11	2232.45	389.62	-0.01	-110.96	0.0	830.55	-886.98	-52.66	330.58	389.62	2232.45

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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282	1	-747.60	223.10	-1.18e-04	0.0	316.2	830.55	-997.94	-52.66	330.58	223.10	-747.60
		4393.69	-421.83	-0.01	-142.69	0.0	3265.31	1028.20	-38.40	247.64	-421.83	1511.65
		1511.65	-537.50	-2.31e-04	0.0	301.2	3265.31	885.51	-38.40	247.64	-537.50	4393.69
282	2	4354.32	-406.96	-0.01	-142.69	0.0	3230.42	1029.47	-33.73	294.23	-406.96	1468.43
		1468.43	-508.56	-2.42e-04	0.0	301.2	3230.42	886.78	-33.73	294.23	-508.56	4354.32
282	3	4259.26	-401.39	-0.01	-142.69	0.0	3146.35	1004.83	-35.36	287.59	-401.39	1447.59
		1447.59	-507.89	-2.70e-04	0.0	301.2	3146.35	862.14	-35.36	287.59	-507.89	4259.26
282	4	4261.14	-400.74	-0.01	-142.69	0.0	3146.65	1005.14	-37.95	287.29	-400.74	1448.54
		1448.54	-515.05	-4.92e-04	0.0	301.2	3146.65	862.45	-37.95	287.29	-515.05	4261.14
282	5	4610.42	-415.20	-0.01	-142.69	0.0	3398.88	1118.00	-26.05	502.89	-415.20	1457.91
		1457.91	-493.66	-5.34e-04	0.0	301.2	3398.88	975.31	-26.05	502.89	-493.66	4610.42
282	6	4397.03	-414.99	-0.01	-142.69	0.0	3259.65	1027.99	-43.50	249.32	-414.99	1515.62
		1515.62	-546.01	-4.82e-04	0.0	301.2	3259.65	885.30	-43.50	249.32	-546.01	4397.03
282	7	4238.46	-404.11	-0.01	-142.69	0.0	3138.89	998.64	-34.57	268.46	-404.11	1445.46
		1445.46	-508.22	-2.56e-04	0.0	301.2	3138.89	855.95	-34.57	268.46	-508.22	4238.46
282	8	3282.40	-310.08	-9.62e-03	-105.70	0.0	2420.93	771.05	-27.88	218.20	-310.08	1119.19
		1119.19	-394.05	-2.05e-04	0.0	301.2	2420.93	665.35	-27.88	218.20	-394.05	3282.40
282	9	3092.55	-295.29	-9.03e-03	-105.70	0.0	2300.02	728.41	-26.02	184.02	-295.29	1057.75
		1057.75	-373.66	-1.71e-04	0.0	301.2	2300.02	622.72	-26.02	184.02	-373.66	3092.55
282	10	3017.87	-283.93	-8.85e-03	-105.70	0.0	2233.93	715.43	-24.33	206.21	-283.93	1022.16
		1022.16	-357.21	-1.93e-04	0.0	301.2	2233.93	609.74	-24.33	206.21	-357.21	3017.87
282	11	3094.41	-291.48	-9.04e-03	-105.70	0.0	2296.88	728.30	-28.85	184.95	-291.48	1059.96
		1059.96	-378.39	-3.11e-04	0.0	301.2	2296.88	622.60	-28.85	184.95	-378.39	3094.41
283	1	5311.99	-475.21	-9.96e-03	-142.69	0.0	4822.92	752.72	20.68	434.05	-537.50	3259.68
		3259.68	-537.50	-2.93e-04	0.0	301.2	4822.92	610.03	20.68	434.05	-475.21	5311.99
283	2	5282.78	-438.67	-9.93e-03	-142.69	0.0	4786.91	758.76	23.21	469.84	-508.56	3212.28
		3212.28	-508.56	-3.01e-04	0.0	301.2	4786.91	616.07	23.21	469.84	-438.67	5282.78
283	3	5169.19	-434.04	-9.74e-03	-142.69	0.0	4661.05	741.78	24.52	460.48	-507.89	3149.85
		3149.85	-507.89	-3.30e-04	0.0	301.2	4661.05	599.09	24.52	460.48	-434.04	5169.19
283	4	5169.04	-438.80	-9.72e-03	-142.69	0.0	4667.21	742.48	25.32	458.35	-515.05	3147.57
		3147.57	-515.05	-5.57e-04	0.0	301.2	4667.21	599.79	25.32	458.35	-438.80	5169.04
283	5	5681.89	-377.18	-0.01	-142.69	0.0	5099.20	847.75	38.67	667.40	-493.66	3343.37
		3343.37	-493.66	-5.95e-04	0.0	301.2	5099.20	705.06	38.67	667.40	-377.18	5681.89
283	6	5313.60	-476.91	-9.98e-03	-142.69	0.0	4822.89	753.43	22.94	430.95	-546.01	3259.14
		3259.14	-546.01	-5.50e-04	0.0	301.2	4822.89	610.74	22.94	430.95	-476.91	5313.60
283	7	5137.97	-441.28	-9.66e-03	-142.69	0.0	4644.38	735.66	22.23	444.33	-508.22	3137.07
		3137.07	-508.22	-3.14e-04	0.0	301.2	4644.38	592.97	22.23	444.33	-441.28	5137.97
283	8	3982.79	-337.66	-7.50e-03	-105.70	0.0	3585.92	568.72	18.72	352.12	-394.05	2429.00
		2429.00	-394.05	-2.52e-04	0.0	301.2	3585.92	463.02	18.72	352.12	-337.66	3982.79
283	9	3742.44	-327.65	-7.03e-03	-105.70	0.0	3399.45	534.62	15.28	313.57	-373.66	2291.34
		2291.34	-373.66	-2.14e-04	0.0	301.2	3399.45	428.93	15.28	313.57	-327.65	3742.44
283	10	3663.11	-304.78	-6.91e-03	-105.70	0.0	3309.52	528.54	17.41	328.26	-357.21	2230.32
		2230.32	-357.21	-2.35e-04	0.0	301.2	3309.52	422.85	17.41	328.26	-304.78	3663.11
283	11	3743.33	-328.59	-7.04e-03	-105.70	0.0	3399.43	535.02	16.53	311.85	-378.39	2291.03
		2291.03	-378.39	-3.57e-04	0.0	301.2	3399.43	429.32	16.53	311.85	-328.59	3743.33
284	1	5793.48	-335.57	-6.27e-03	-142.69	0.0	5841.18	473.83	46.36	608.14	-475.21	4581.21
		4581.21	-475.21	-3.44e-04	0.0	301.2	5841.18	331.14	46.36	608.14	-335.57	5793.48
284	2	5774.85	-296.34	-6.27e-03	-142.69	0.0	5810.79	482.67	47.25	629.33	-438.67	4535.94
		4535.94	-438.67	-3.49e-04	0.0	301.2	5810.79	339.98	47.25	629.33	-296.34	5774.85
284	3	5654.85	-288.24	-6.15e-03	-142.69	0.0	5655.42	472.44	48.41	619.78	-434.04	4446.74
		4446.74	-434.04	-3.77e-04	0.0	301.2	5655.42	329.75	48.41	619.78	-288.24	5654.85
284	4	5652.12	-289.50	-6.13e-03	-142.69	0.0	5668.69	473.36	49.57	617.61	-438.80	4441.24
		4441.24	-438.80	-6.06e-04	0.0	301.2	5668.69	330.67	49.57	617.61	-289.50	5652.12
284	5	6302.24	-182.66	-7.00e-03	-142.69	0.0	6241.81	563.78	64.58	800.74	-377.18	4819.04
		4819.04	-377.18	-6.39e-04	0.0	301.2	6241.81	421.09	64.58	800.74	-182.66	6302.24
284	6	5794.37	-333.61	-6.29e-03	-142.69	0.0	5846.44	474.95	47.58	605.00	-476.91	4578.71
		4578.71	-476.91	-6.03e-04	0.0	301.2	5846.44	332.26	47.58	605.00	-333.61	5794.37
284	7	5614.40	-300.76	-6.09e-03	-142.69	0.0	5632.36	467.22	46.65	605.99	-441.28	4422.03
		4422.03	-441.28	-3.62e-04	0.0	301.2	5632.36	324.53	46.65	605.99	-300.76	5614.40
284	8	4356.39	-225.27	-4.73e-03	-105.70	0.0	4350.57	361.31	37.31	476.08	-337.66	3427.29
		3427.29	-337.66	-2.89e-04	0.0	301.2	4350.57	255.62	37.31	476.08	-225.27	4356.39
284	9	4084.50	-228.10	-4.43e-03	-105.70	0.0	4118.94	338.28	33.05	433.60	-327.65	3224.79
		3224.79	-327.65	-2.50e-04	0.0	301.2	4118.94	232.58	33.05	433.60	-228.10	4084.50
284	10	4007.49	-201.81	-4.36e-03	-105.70	0.0	4015.74	337.51	34.19	440.06	-304.78	3150.08
		3150.08	-304.78	-2.68e-04	0.0	301.2	4015.74	231.81	34.19	440.06	-201.81	4007.49
284	11	4085.00	-227.01	-4.44e-03	-105.70	0.0	4121.86	338.90	33.72	431.85	-328.59	3223.40
		3223.40	-328.59	-3.94e-04	0.0	301.2	4121.86	233.21	33.72	431.85	-227.01	4085.00
285	1	5820.56	-148.65	-2.06e-03	-142.69	0.0	6312.87	190.28	62.06	735.35	-335.57	5462.32
		5462.32	-335.57	-3.77e-04	0.0	301.2	6312.87	47.59	62.06	735.35	-148.65	5820.56
285	2	5812.89	-109.80	-2.08e-03	-142.69	0.0	6292.54	200.85	61.93	740.11	-296.34	5422.83
		5422.83	-296.34	-3.80e-04	0.0	301.2	6292.54	58.16	61.93	740.11	-109.80	5812.89
285	3	5696.04	-98.91	-2.04e-03	-142.69	0.0	6120.60	196.93	62.86	729.85	-288.24	5317.78

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285	4	5317.78	-288.24	-4.04e-04	0.0	301.2	6120.60	54.24	62.86	729.85	-98.91	5696.04
		5691.70	-98.22	-2.03e-03	-142.69	0.0	6140.23	198.05	63.51	727.81	-289.50	5310.05
		5310.05	-289.50	-6.34e-04	0.0	301.2	6140.23	55.36	63.51	727.81	-98.22	5691.70
285	5	6426.32	68.48	-2.46e-03	-142.69	0.0	6811.54	263.80	83.38	860.00	-182.66	5846.65
		5846.65	-182.66	-6.65e-04	0.0	301.2	6811.54	121.11	83.38	860.00	68.48	6426.32
285	6	5822.15	-144.40	-2.08e-03	-142.69	0.0	6323.97	192.09	62.82	730.94	-333.61	5458.47
		5458.47	-333.61	-6.36e-04	0.0	301.2	6323.97	49.40	62.82	730.94	-144.40	5822.15
285	7	5649.15	-115.62	-2.02e-03	-142.69	0.0	6093.74	193.10	61.47	720.32	-300.76	5282.43
		5282.43	-300.76	-3.91e-04	0.0	301.2	6093.74	50.41	61.47	720.32	-115.62	5649.15
285	8	4387.44	-78.94	-1.57e-03	-105.70	0.0	4707.84	149.08	48.58	562.15	-225.27	4097.60
		4097.60	-225.27	-3.10e-04	0.0	301.2	4707.84	43.38	48.58	562.15	-78.94	4387.44
285	9	4106.16	-95.97	-1.46e-03	-105.70	0.0	4453.35	138.51	43.87	520.10	-228.10	3848.15
		3848.15	-228.10	-2.72e-04	0.0	301.2	4453.35	32.82	43.87	520.10	-95.97	4106.16
285	10	4036.99	-68.33	-1.45e-03	-105.70	0.0	4346.53	142.21	44.31	517.04	-201.81	3767.84
		3767.84	-201.81	-2.87e-04	0.0	301.2	4346.53	36.51	44.31	517.04	-68.33	4036.99
285	11	4107.05	-93.61	-1.47e-03	-105.70	0.0	4459.52	139.52	44.29	517.65	-227.01	3846.00
		3846.00	-227.01	-4.16e-04	0.0	301.2	4459.52	33.82	44.29	517.65	-93.61	4107.05
286	1	5881.02	68.32	-2.32e-03	-142.69	0.0	6242.98	-91.41	72.03	802.27	-148.65	5881.02
		5390.82	-148.65	-3.80e-04	0.0	301.2	6242.98	-234.10	72.03	802.27	68.32	5390.82
286	2	5850.43	104.10	-2.29e-03	-142.69	0.0	6235.00	-79.94	71.01	790.51	-109.80	5850.43
		5394.76	-109.80	-3.81e-04	0.0	301.2	6235.00	-222.63	71.01	790.51	104.10	5394.76
286	3	5738.31	116.07	-2.24e-03	-142.69	0.0	6059.93	-77.82	71.37	779.05	-98.91	5738.31
		5289.04	-98.91	-4.01e-04	0.0	301.2	6059.93	-220.51	71.37	779.05	116.07	5289.04
286	4	5728.67	117.28	-2.24e-03	-142.69	0.0	6086.18	-76.47	71.55	776.86	-98.22	5728.67
		5283.45	-98.22	-6.31e-04	0.0	301.2	6086.18	-219.16	71.55	776.86	117.28	5283.45
286	5	6400.42	304.22	-2.34e-03	-142.69	0.0	6778.73	-46.91	78.27	848.15	68.48	6400.42
		6044.24	68.48	-6.44e-04	0.0	301.2	6778.73	-189.60	78.27	848.15	304.22	6044.24
286	6	5876.13	73.78	-2.30e-03	-142.69	0.0	6262.14	-88.55	72.44	795.99	-144.40	5876.13
		5394.51	-144.40	-6.40e-04	0.0	301.2	6262.14	-231.24	72.44	795.99	73.78	5394.51
286	7	5695.00	96.73	-2.23e-03	-142.69	0.0	6031.84	-79.86	70.50	775.04	-115.62	5695.00
		5239.58	-115.62	-3.91e-04	0.0	301.2	6031.84	-222.55	70.50	775.04	96.73	5239.58
286	8	4420.60	87.45	-1.72e-03	-105.70	0.0	4660.36	-62.50	55.24	601.16	-78.94	4420.60
		4073.17	-78.94	-3.08e-04	0.0	301.2	4660.36	-168.20	55.24	601.16	87.45	4073.17
286	9	4145.85	56.59	-1.63e-03	-105.70	0.0	4405.92	-60.15	50.65	564.02	-95.97	4145.85
		3805.51	-95.97	-2.73e-04	0.0	301.2	4405.92	-165.84	50.65	564.02	56.59	3805.51
286	10	4066.57	83.11	-1.58e-03	-105.70	0.0	4304.23	-52.60	50.28	551.12	-68.33	4066.57
		3748.97	-68.33	-2.85e-04	0.0	301.2	4304.23	-158.29	50.28	551.12	83.11	3748.97
286	11	4143.13	59.62	-1.62e-03	-105.70	0.0	4416.56	-58.56	50.87	560.53	-93.61	4143.13
		3807.56	-93.61	-4.17e-04	0.0	301.2	4416.56	-164.26	50.87	560.53	59.62	3807.56
287	1	5818.18	291.40	-6.51e-03	-142.69	0.0	5656.87	-363.32	74.06	797.56	68.32	5818.18
		4508.95	68.32	-3.51e-04	0.0	301.2	5656.87	-506.01	74.06	797.56	291.40	4508.95
287	2	5799.71	321.33	-6.48e-03	-142.69	0.0	5661.44	-351.97	72.12	770.48	104.10	5799.71
		4524.69	104.10	-3.50e-04	0.0	301.2	5661.44	-494.66	72.12	770.48	321.33	4524.69
287	3	5687.92	332.17	-6.35e-03	-142.69	0.0	5497.37	-343.67	71.75	757.54	116.07	5687.92
		4437.89	116.07	-3.66e-04	0.0	301.2	5497.37	-486.36	71.75	757.54	332.17	4437.89
287	4	5676.12	332.16	-6.35e-03	-142.69	0.0	5531.38	-342.32	71.34	755.23	117.28	5676.12
		4430.17	117.28	-5.95e-04	0.0	301.2	5531.38	-485.01	71.34	755.23	332.16	4430.17
287	5	6408.34	521.40	-6.99e-03	-142.69	0.0	6193.87	-358.54	72.10	745.86	304.22	6408.34
		5113.52	304.22	-6.00e-04	0.0	301.2	6193.87	-501.23	72.10	745.86	521.40	5113.52
287	6	5812.93	296.18	-6.50e-03	-142.69	0.0	5687.32	-359.36	73.84	789.13	73.78	5812.93
		4515.65	73.78	-6.10e-04	0.0	301.2	5687.32	-502.05	73.84	789.13	296.18	4515.65
287	7	5640.27	312.20	-6.30e-03	-142.69	0.0	5470.60	-343.67	71.54	759.85	96.73	5640.27
		4390.24	96.73	-3.58e-04	0.0	301.2	5470.60	-486.36	71.54	759.85	312.20	4390.24
287	8	4380.50	254.85	-4.89e-03	-105.70	0.0	4226.84	-267.06	55.58	585.39	87.45	4380.50
		3416.94	87.45	-2.81e-04	0.0	301.2	4226.84	-372.76	55.58	585.39	254.85	3416.94
287	9	4104.28	212.69	-4.59e-03	-105.70	0.0	3994.14	-252.18	51.83	557.68	56.59	4104.28
		3185.53	56.59	-2.52e-04	0.0	301.2	3994.14	-357.88	51.83	557.68	212.69	3185.53
287	10	4031.92	235.35	-4.50e-03	-105.70	0.0	3905.52	-241.27	50.54	535.44	83.11	4031.92
		3146.04	83.11	-2.60e-04	0.0	301.2	3905.52	-346.96	50.54	535.44	235.35	3146.04
287	11	4101.36	215.35	-4.58e-03	-105.70	0.0	4011.05	-249.98	51.70	552.99	59.62	4101.36
		3189.25	59.62	-3.95e-04	0.0	301.2	4011.05	-355.68	51.70	552.99	215.35	3189.25
288	1	5267.69	430.13	-0.01	-142.69	0.0	4595.67	-622.46	46.06	725.21	291.40	5267.69
		3177.96	291.40	-2.88e-04	0.0	301.2	4595.67	-765.15	46.06	725.21	430.13	3177.96
288	2	5264.73	450.67	-0.01	-142.69	0.0	4610.21	-612.79	42.94	685.50	321.33	5264.73
		3204.12	321.33	-2.85e-04	0.0	301.2	4610.21	-755.48	42.94	685.50	450.67	3204.12
288	3	5160.06	459.41	-9.94e-03	-142.69	0.0	4472.62	-597.46	42.24	671.02	332.17	5160.06
		3145.62	332.17	-2.97e-04	0.0	301.2	4472.62	-740.15	42.24	671.02	459.41	3145.62
288	4	5144.81	455.90	-9.93e-03	-142.69	0.0	4516.20	-596.72	41.08	668.93	332.16	5144.81
		3132.61	332.16	-5.27e-04	0.0	301.2	4516.20	-739.41	41.08	668.93	455.90	3132.61
288	5	5854.12	588.68	-0.01	-142.69	0.0	5083.33	-658.95	22.34	593.73	521.40	5854.12
		3654.46	521.40	-5.09e-04	0.0	301.2	5083.33	-801.64	22.34	593.73	588.68	3654.46
288	6	5263.24	429.01	-0.01	-142.69	0.0	4640.63	-618.26	44.10	715.27	296.18	5263.24

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288	7	3186.14	296.18	-5.47e-04	0.0	301.2	4640.63	-760.95	44.10	715.27	429.01	3186.14
		5112.19	441.90	-9.86e-03	-142.69	0.0	4449.71	-595.32	43.06	679.63	312.20	5112.19
		3104.19	312.20	-2.93e-04	0.0	301.2	4449.71	-738.01	43.06	679.63	441.90	3104.19
288	8	3972.44	353.79	-7.65e-03	-105.70	0.0	3438.26	-462.09	32.85	519.12	254.85	3972.44
		2421.44	254.85	-2.28e-04	0.0	301.2	3438.26	-567.79	32.85	519.12	353.79	2421.44
288	9	3718.86	308.48	-7.17e-03	-105.70	0.0	3246.52	-435.49	31.80	504.21	212.69	3718.86
		2247.97	212.69	-2.06e-04	0.0	301.2	3246.52	-541.19	31.80	504.21	308.48	2247.97
288	10	3659.06	324.75	-7.04e-03	-105.70	0.0	3178.16	-421.61	29.68	474.10	235.35	3659.06
		2230.00	235.35	-2.11e-04	0.0	301.2	3178.16	-527.30	29.68	474.10	324.75	2230.00
288	11	3716.38	307.86	-7.16e-03	-105.70	0.0	3271.49	-433.16	30.71	498.68	215.35	3716.38
		2252.51	215.35	-3.50e-04	0.0	301.2	3271.49	-538.86	30.71	498.68	307.86	2252.51
289	1	4240.34	487.75	-0.01	-142.69	0.0	3107.71	-886.44	19.13	573.66	430.13	4240.34
		1355.49	430.13	-2.36e-04	0.0	301.2	3107.71	-1029.13	19.13	573.66	487.75	1355.49
289	2	4255.36	495.44	-0.01	-142.69	0.0	3126.18	-880.93	14.86	525.46	450.67	4255.36
		1387.10	450.67	-2.32e-04	0.0	301.2	3126.18	-1023.62	14.86	525.46	495.44	1387.10
289	3	4166.00	496.87	-0.01	-142.69	0.0	3032.16	-856.35	12.44	511.20	459.41	4166.00
		1371.79	459.41	-2.40e-04	0.0	301.2	3032.16	-999.04	12.44	511.20	496.87	1371.79
289	4	4142.90	483.09	-0.01	-142.69	0.0	3089.02	-857.30	9.03	511.06	455.90	4142.90
		1345.81	455.90	-4.70e-04	0.0	301.2	3089.02	-999.99	9.03	511.06	483.09	1345.81
289	5	4755.95	588.68	-0.01	-142.69	0.0	3493.54	-961.51	-9.42	377.09	588.68	4755.95
		1644.98	560.29	-4.46e-04	0.0	301.2	3493.54	-1104.20	-9.42	377.09	560.29	1644.98
289	6	4235.62	457.99	-0.01	-142.69	0.0	3170.55	-884.71	9.62	567.27	429.01	4235.62
		1355.97	429.01	-4.94e-04	0.0	301.2	3170.55	-1027.40	9.62	567.27	457.99	1355.97
289	7	4121.86	485.53	-0.01	-142.69	0.0	3015.58	-851.99	14.49	525.22	441.90	4121.86
		1340.79	441.90	-2.39e-04	0.0	301.2	3015.58	-994.68	14.49	525.22	485.53	1340.79
289	8	3205.76	382.89	-9.74e-03	-105.70	0.0	2330.59	-660.89	9.66	396.18	353.79	3205.76
		1055.98	353.79	-1.84e-04	0.0	301.2	2330.59	-766.59	9.66	396.18	382.89	1055.98
289	9	2996.60	346.40	-9.12e-03	-105.70	0.0	2196.87	-622.46	12.59	395.63	308.48	2996.60
		962.57	308.48	-1.69e-04	0.0	301.2	2196.87	-728.16	12.59	395.63	346.40	962.57
289	10	2955.31	351.47	-8.97e-03	-105.70	0.0	2154.89	-605.74	8.87	360.93	324.75	2955.31
		971.62	324.75	-1.71e-04	0.0	301.2	2154.89	-711.44	8.87	360.93	351.47	971.62
289	11	2993.98	329.86	-9.11e-03	-105.70	0.0	2231.78	-621.50	7.30	392.08	307.86	2993.98
		962.84	307.86	-3.12e-04	0.0	301.2	2231.78	-727.20	7.30	392.08	329.86	962.84
290	1	2855.11	487.75	-0.01	-142.69	0.0	1075.21	-1198.53	-60.66	438.67	487.75	2855.11
		-969.75	305.06	-1.53e-04	0.0	301.2	1075.21	-1341.22	-60.66	438.67	305.06	-969.75
290	2	2886.17	495.44	-0.01	-142.69	0.0	1089.12	-1200.39	-69.94	390.71	495.44	2886.17
		-944.31	284.78	-1.45e-04	0.0	301.2	1089.12	-1343.08	-69.94	390.71	284.78	-944.31
290	3	2824.19	496.87	-0.01	-142.69	0.0	1060.06	-1163.11	-72.60	377.88	496.87	2824.19
		-893.98	278.20	-1.52e-04	0.0	301.2	1060.06	-1305.80	-72.60	377.88	278.20	-893.98
290	4	2779.83	483.09	-0.01	-142.69	0.0	1140.65	-1166.34	-67.61	371.91	483.09	2779.83
		-948.07	279.44	-3.92e-04	0.0	301.2	1140.65	-1309.03	-67.61	371.91	279.44	-948.07
290	5	3255.68	560.29	-0.02	-142.69	0.0	1296.46	-1315.34	-111.03	224.99	560.29	3255.68
		-921.00	225.86	-3.50e-04	0.0	301.2	1296.46	-1458.02	-111.03	224.99	225.86	-921.00
290	6	2836.81	457.99	-0.01	-142.69	0.0	1164.65	-1203.43	-67.70	430.06	457.99	2836.81
		-1002.81	254.08	-4.26e-04	0.0	301.2	1164.65	-1346.12	-67.70	430.06	254.08	-1002.81
290	7	2785.97	485.53	-0.01	-142.69	0.0	1053.50	-1156.09	-66.91	392.88	485.53	2785.97
		-911.07	283.99	-1.54e-04	0.0	301.2	1053.50	-1298.78	-66.91	392.88	283.99	-911.07
290	8	2172.77	382.89	-0.01	-105.70	0.0	814.22	-896.68	-55.34	293.26	382.89	2172.77
		-687.23	216.20	-1.16e-04	0.0	301.2	814.22	-1002.38	-55.34	293.26	216.20	-687.23
290	9	2020.55	346.40	-0.01	-105.70	0.0	762.37	-843.35	-45.09	300.45	346.40	2020.55
		-678.81	210.59	-1.09e-04	0.0	301.2	762.37	-949.05	-45.09	300.45	210.59	-678.81
290	10	2003.37	351.47	-0.01	-105.70	0.0	753.95	-823.68	-51.73	266.68	351.47	2003.37
		-636.72	195.67	-1.09e-04	0.0	301.2	753.95	-929.37	-51.73	266.68	195.67	-636.72
290	11	2010.39	329.86	-0.01	-105.70	0.0	812.06	-846.08	-49.00	295.67	329.86	2010.39
		-697.18	182.27	-2.61e-04	0.0	301.2	812.06	-951.77	-49.00	295.67	182.27	-697.18
291	1	5206.01	-408.11	-0.02	-149.80	0.0	4765.20	1260.41	-37.75	-59.10	-408.11	5206.01
		1457.42	-527.48	2.88e-04	0.0	316.2	4765.20	1110.61	-37.75	-59.10	-527.48	1457.42
291	2	5477.69	-395.14	-0.02	-149.80	0.0	4888.54	1340.41	-36.81	175.06	-395.14	5477.69
		1476.15	-511.54	5.22e-05	0.0	316.2	4888.54	1190.61	-36.81	175.06	-511.54	1476.15
291	3	5063.82	-377.67	-0.02	-149.80	0.0	4568.65	1220.20	-50.10	-26.11	-377.67	5063.82
		1442.38	-536.07	-3.83e-04	0.0	316.2	4568.65	1070.40	-50.10	-26.11	-536.07	1442.38
291	4	5058.25	-377.20	-0.02	-149.80	0.0	4579.83	1221.21	-40.17	-33.31	-377.20	5058.25
		1433.61	-504.23	3.53e-04	0.0	316.2	4579.83	1071.41	-40.17	-33.31	-504.23	1433.61
291	5	5119.10	-377.76	-0.02	-149.80	0.0	4624.08	1238.25	-39.49	-13.29	-377.76	5119.10
		1440.58	-502.61	3.55e-04	0.0	316.2	4624.08	1088.45	-39.49	-13.29	-502.61	1440.58
291	6	5226.62	-383.97	-0.02	-149.80	0.0	4722.24	1262.62	-43.58	-44.60	-383.97	5226.62
		1471.02	-521.78	3.43e-04	0.0	316.2	4722.24	1112.83	-43.58	-44.60	-521.78	1471.02
291	7	5046.94	-376.85	-0.02	-149.80	0.0	4570.58	1217.88	-41.13	-43.10	-376.85	5046.94
		1432.82	-506.90	3.35e-04	0.0	316.2	4570.58	1068.09	-41.13	-43.10	-506.90	1432.82
291	8	3918.45	-296.20	-0.01	-110.96	0.0	3536.88	939.89	-40.09	-31.15	-296.20	3918.45
		1121.95	-422.97	-3.53e-04	0.0	316.2	3536.88	828.93	-40.09	-31.15	-422.97	1121.95
291	9	3650.28	-278.93	-0.01	-110.96	0.0	3330.53	887.69	-26.50	-26.27	-278.93	3650.28

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291	10	1018.83	-362.73	2.13e-04	0.0	316.2	3330.53	776.73	-26.50	-26.27	-362.73	3650.28
		3571.28	-262.01	-0.01	-110.96	0.0	3221.34	865.35	-33.36	-7.94	-262.01	1010.48
		1010.48	-367.51	-1.60e-04	0.0	316.2	3221.34	754.39	-33.36	-7.94	-367.51	3571.28
291	11	3661.72	-265.52	-0.01	-110.96	0.0	3306.66	888.92	-29.74	-18.21	-265.52	1026.39
		1026.39	-359.57	2.44e-04	0.0	316.2	3306.66	777.96	-29.74	-18.21	-359.57	3661.72
292	1	6328.69	-527.48	-0.01	-149.80	0.0	6968.37	947.87	-6.43	192.31	-527.48	3568.35
		3568.35	-547.82	3.00e-04	0.0	316.2	6968.37	798.08	-6.43	192.31	-547.82	6328.69
292	2	6755.03	-486.95	-0.01	-149.80	0.0	7234.44	1035.65	7.78	410.60	-511.54	3717.13
		3717.13	-511.54	6.58e-05	0.0	316.2	7234.44	885.85	7.78	410.60	-486.95	6755.03
292	3	6122.81	-511.23	-0.01	-149.80	0.0	6742.30	921.26	7.86	198.05	-536.07	3446.61
		3446.61	-536.07	-3.46e-04	0.0	316.2	6742.30	771.46	7.86	198.05	-511.23	6122.81
292	4	6144.32	-504.23	-0.01	-149.80	0.0	6703.78	917.91	-8.65	206.14	-504.23	3478.72
		3478.72	-504.23	3.64e-04	0.0	316.2	6703.78	798.11	-8.65	206.14	-531.57	6144.32
292	5	6231.16	-502.61	-0.01	-149.80	0.0	6776.20	933.64	-8.30	226.13	-502.61	3515.82
		3515.82	-528.87	3.65e-04	0.0	316.2	6776.20	783.84	-8.30	226.13	-528.87	6231.16
292	6	6348.85	-521.78	-0.01	-149.80	0.0	6925.04	947.99	-10.78	201.19	-521.78	3588.14
		3588.14	-555.86	3.57e-04	0.0	316.2	6925.04	798.19	-10.78	201.19	-555.86	6348.85
292	7	6127.12	-506.90	-0.01	-149.80	0.0	6690.61	914.98	-9.17	196.45	-506.90	3470.79
		3470.79	-535.90	3.48e-04	0.0	316.2	6690.61	765.18	-9.17	196.45	-535.90	6127.12
292	8	4731.48	-400.22	-0.01	-110.96	0.0	5220.96	708.57	7.19	143.43	-422.97	2666.39
		2666.39	-422.97	-3.22e-04	0.0	316.2	5220.96	597.61	7.19	143.43	-400.22	4731.48
292	9	4441.06	-362.73	-9.60e-03	-110.96	0.0	4874.71	668.94	-4.73	146.81	-362.73	2501.29
		2501.29	-377.69	2.21e-04	0.0	316.2	4874.71	557.98	-4.73	146.81	-377.69	4441.06
292	10	4326.68	-357.36	-9.38e-03	-110.96	0.0	4749.12	654.16	3.21	150.00	-367.51	2433.66
		2433.66	-367.51	-1.38e-04	0.0	316.2	4749.12	543.20	3.21	150.00	-357.36	4326.68
292	11	4452.26	-359.57	-9.63e-03	-110.96	0.0	4850.64	669.01	-7.14	151.74	-359.57	2512.29
		2512.29	-382.15	2.52e-04	0.0	316.2	4850.64	558.05	-7.14	151.74	-382.15	4452.26
293	1	7008.20	-498.63	-8.91e-03	-149.80	0.0	8423.59	625.23	15.56	428.60	-547.82	5268.04
		5268.04	-547.82	3.40e-04	0.0	316.2	8423.59	475.44	15.56	428.60	-498.63	7008.20
293	2	7592.25	-399.26	-9.86e-03	-149.80	0.0	8797.43	707.72	27.73	621.78	-486.95	5591.26
		5591.26	-486.95	9.07e-05	0.0	316.2	8797.43	557.93	27.73	621.78	-399.26	7592.25
293	3	6783.53	-456.96	-8.66e-03	-149.80	0.0	8151.34	608.90	17.16	431.91	-511.23	5095.01
		5095.01	-511.23	-3.19e-04	0.0	316.2	8151.34	459.11	17.16	431.91	-456.96	6783.53
293	4	6800.26	-475.54	-8.66e-03	-149.80	0.0	8111.48	606.82	17.72	429.17	-531.57	5118.32
		5118.32	-531.57	4.08e-04	0.0	316.2	8111.48	457.03	17.72	429.17	-475.54	6800.26
293	5	6904.99	-473.77	-8.81e-03	-149.80	0.0	8205.77	618.88	17.43	447.13	-528.87	5184.92
		5184.92	-528.87	4.10e-04	0.0	316.2	8205.77	469.08	17.43	447.13	-473.77	6904.99
293	6	7023.19	-505.38	-8.93e-03	-149.80	0.0	8386.16	625.11	15.96	432.43	-555.86	5283.42
		5283.42	-555.86	4.06e-04	0.0	316.2	8386.16	475.31	15.96	432.43	-505.38	7023.19
293	7	6778.15	-482.89	-8.63e-03	-149.80	0.0	8094.83	604.32	16.77	420.86	-535.90	5104.13
		5104.13	-535.90	3.93e-04	0.0	316.2	8094.83	454.52	16.77	420.86	-482.89	6778.15
293	8	5239.78	-358.69	-6.68e-03	-110.96	0.0	6308.94	466.85	13.13	328.07	-400.22	3939.03
		3939.03	-400.22	-3.02e-04	0.0	316.2	6308.94	355.89	13.13	328.07	-358.69	5239.78
293	9	4920.19	-341.83	-6.26e-03	-110.96	0.0	5896.70	442.99	11.34	308.59	-377.69	3694.89
		3694.89	-377.69	2.49e-04	0.0	316.2	5896.70	332.03	11.34	308.59	-341.83	4920.19
293	10	4795.37	-318.68	-6.12e-03	-110.96	0.0	5745.45	433.91	12.23	310.43	-357.36	3598.76
		3598.76	-357.36	-1.17e-04	0.0	316.2	5745.45	322.95	12.23	310.43	-318.68	4795.37
293	11	4928.52	-345.58	-6.28e-03	-110.96	0.0	5875.91	442.92	11.57	310.72	-382.15	3703.44
		3703.44	-382.15	2.86e-04	0.0	316.2	5875.91	331.96	11.57	310.72	-345.58	4928.52
294	1	7158.75	-399.50	-3.35e-03	-149.80	0.0	9176.79	286.90	31.35	643.59	-498.63	6488.41
		6488.41	-498.63	3.78e-04	0.0	316.2	9176.79	137.10	31.35	643.59	-399.50	7158.75
294	2	7853.38	-244.71	-3.86e-03	-149.80	0.0	9631.89	350.52	48.88	782.86	-399.26	6981.87
		6981.87	-399.26	1.28e-04	0.0	316.2	9631.89	200.72	48.88	782.86	-244.71	7853.38
294	3	6936.08	-357.26	-3.28e-03	-149.80	0.0	8878.26	281.86	31.53	636.13	-456.96	6281.67
		6281.67	-456.96	-2.91e-04	0.0	316.2	8878.26	132.06	31.53	636.13	-357.26	6936.08
294	4	6947.59	-371.14	-3.27e-03	-149.80	0.0	8840.33	280.54	33.02	634.12	-475.54	6297.36
		6297.36	-475.54	4.45e-04	0.0	316.2	8840.33	130.74	33.02	634.12	-371.14	6947.59
294	5	7059.66	-370.50	-3.33e-03	-149.80	0.0	8948.65	287.57	32.66	648.47	-473.77	6387.18
		6387.18	-473.77	4.50e-04	0.0	316.2	8948.65	137.78	32.66	648.47	-370.50	7059.66
294	6	7170.33	-404.13	-3.37e-03	-149.80	0.0	9143.72	286.88	32.02	646.58	-505.38	6500.05
		6500.05	-505.38	4.48e-04	0.0	316.2	9143.72	137.08	32.02	646.58	-404.13	7170.33
294	7	6921.77	-381.29	-3.25e-03	-149.80	0.0	8821.56	278.72	32.13	627.68	-482.89	6277.30
		6277.30	-482.89	4.32e-04	0.0	316.2	8821.56	128.92	32.13	627.68	-381.29	6921.77
294	8	5356.01	-282.22	-2.53e-03	-110.96	0.0	6868.87	214.05	24.18	489.16	-358.69	4854.62
		4854.62	-358.69	-2.82e-04	0.0	316.2	6868.87	103.09	24.18	489.16	-282.22	5356.01
294	9	5028.06	-270.96	-2.36e-03	-110.96	0.0	6426.91	205.79	22.41	455.56	-341.83	4552.79
		4552.79	-341.83	2.76e-04	0.0	316.2	6426.91	94.83	22.41	455.56	-270.96	5028.06
294	10	4904.35	-247.49	-2.32e-03	-110.96	0.0	6261.06	202.99	22.51	451.41	-318.68	4437.94
		4437.94	-318.68	-9.61e-05	0.0	316.2	6261.06	92.03	22.51	451.41	-247.49	4904.35
294	11	5034.49	-273.53	-2.37e-03	-110.96	0.0	6408.54	205.77	22.79	457.22	-345.58	4559.26
		4559.26	-345.58	3.15e-04	0.0	316.2	6408.54	94.81	22.79	457.22	-273.53	5034.49
295	1	7195.26	-265.32	-2.57e-03	-149.80	0.0	9205.61	-71.07	42.44	831.05	-399.50	7195.26

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295	2	6733.72	-399.50	3.93e-04	0.0	316.2	9205.61	-220.86	42.44	831.05	-265.32	6733.72
		7843.74	-96.25	-2.63e-03	-149.80	0.0	9676.74	-41.81	46.95	906.18	-244.72	7843.74
		7474.72	-244.72	1.31e-04	0.0	316.2	9676.74	-191.60	46.95	906.18	-96.25	7474.72
295	3	6971.18	-225.40	-2.46e-03	-149.80	0.0	8905.94	-64.38	41.70	812.09	-357.26	6971.18
		6530.78	-357.26	-2.87e-04	0.0	316.2	8905.94	-214.18	41.70	812.09	-225.40	6530.78
295	4	6981.09	-235.08	-2.48e-03	-149.80	0.0	8870.46	-65.09	43.03	811.60	-371.14	6981.09
		6538.45	-371.14	4.55e-04	0.0	316.2	8870.46	-214.88	43.03	811.60	-235.08	6538.45
295	5	7085.52	-234.97	-2.50e-03	-149.80	0.0	8983.00	-63.77	42.86	821.60	-370.50	7085.52
		6647.04	-370.50	4.64e-04	0.0	316.2	8983.00	-213.57	42.86	821.60	-234.97	6647.04
295	6	7203.67	-268.31	-2.56e-03	-149.80	0.0	9176.75	-70.83	42.95	833.99	-404.13	7203.67
		6742.88	-404.13	4.66e-04	0.0	316.2	9176.75	-220.63	42.95	833.99	-268.31	6742.88
295	7	6956.37	-247.46	-2.47e-03	-149.80	0.0	8850.94	-65.97	42.32	807.73	-381.29	6956.37
		6510.95	-381.29	4.45e-04	0.0	316.2	8850.94	-215.77	42.32	807.73	-247.46	6510.95
295	8	5386.12	-180.86	-1.90e-03	-110.96	0.0	6888.13	-53.48	32.06	628.49	-282.22	5386.12
		5041.60	-282.22	-2.78e-04	0.0	316.2	6888.13	-164.44	32.06	628.49	-180.86	5041.60
295	9	5050.40	-175.80	-1.80e-03	-110.96	0.0	6449.53	-45.33	30.10	582.99	-270.96	5050.40
		4731.64	-270.96	2.86e-04	0.0	316.2	6449.53	-156.29	30.10	582.99	-175.80	4731.64
295	10	4925.91	-153.63	-1.74e-03	-110.96	0.0	6283.05	-41.62	29.69	572.45	-247.49	4925.91
		4618.89	-247.49	-9.20e-05	0.0	316.2	6283.05	-152.58	29.69	572.45	-153.63	4618.89
295	11	5055.07	-177.46	-1.79e-03	-110.96	0.0	6433.50	-45.20	30.38	584.62	-273.53	5055.07
		4736.72	-273.53	3.26e-04	0.0	316.2	6433.50	-156.16	30.38	584.62	-177.46	4736.72
296	1	7362.88	-110.23	-8.34e-03	-149.80	0.0	8458.70	-454.36	49.05	984.59	-265.32	7362.88
		5689.35	-265.32	3.73e-04	0.0	316.2	8458.70	-604.16	49.05	984.59	-110.23	5689.35
296	2	8079.65	57.37	-8.97e-03	-149.80	0.0	8912.05	-469.25	48.58	975.13	-96.25	8079.65
		6359.04	-96.25	1.10e-04	0.0	316.2	8912.05	-619.05	48.58	975.13	57.37	6359.04
296	3	7138.37	-75.01	-8.06e-03	-149.80	0.0	8184.03	-435.57	47.56	954.18	-225.40	7138.37
		5524.28	-225.40	-3.16e-04	0.0	316.2	8184.03	-585.36	47.56	954.18	-75.01	5524.28
296	4	7143.36	-82.55	-8.08e-03	-149.80	0.0	8152.35	-435.64	48.24	955.65	-235.08	7143.36
		5529.03	-235.08	4.29e-04	0.0	316.2	8152.35	-585.44	48.24	955.65	-82.55	5529.03
296	5	7252.76	-81.87	-8.19e-03	-149.80	0.0	8258.18	-440.38	48.42	960.84	-234.97	7252.76
		5623.46	-234.97	4.43e-04	0.0	316.2	8258.18	-590.17	48.42	960.84	-81.87	5623.46
296	6	7368.55	-112.25	-8.34e-03	-149.80	0.0	8434.45	-453.85	49.36	987.71	-268.31	7368.55
		5696.64	-268.31	4.47e-04	0.0	316.2	8434.45	-603.65	49.36	987.71	-112.25	5696.64
296	7	7115.85	-96.09	-8.05e-03	-149.80	0.0	8133.60	-435.38	47.87	954.78	-247.46	7115.85
		5502.36	-247.46	4.22e-04	0.0	316.2	8133.60	-585.18	47.87	954.78	-96.09	5502.36
296	8	5514.35	-64.96	-6.23e-03	-110.96	0.0	6327.80	-340.29	36.65	741.69	-180.86	5514.35
		4262.93	-180.86	-3.01e-04	0.0	316.2	6327.80	-451.25	36.65	741.69	-64.96	4262.93
296	9	5169.32	-66.52	-5.85e-03	-110.96	0.0	5928.48	-314.26	34.56	686.46	-175.80	5169.32
		4000.21	-175.80	2.71e-04	0.0	316.2	5928.48	-425.22	34.56	686.46	-66.52	4000.21
296	10	5044.59	-46.95	-5.69e-03	-110.96	0.0	5775.89	-303.81	33.74	669.57	-153.63	5044.59
		3908.51	-153.63	-1.12e-04	0.0	316.2	5775.89	-414.77	33.74	669.57	-46.95	3908.51
296	11	5172.47	-67.64	-5.85e-03	-110.96	0.0	5915.01	-313.97	34.73	688.20	-177.46	5172.47
		4004.26	-177.46	3.12e-04	0.0	316.2	5915.01	-424.93	34.73	688.20	-67.64	4004.26
297	1	6959.19	43.02	-0.01	-149.80	0.0	6869.20	-871.00	48.47	1099.60	-110.23	6959.19
		3968.25	-110.23	3.12e-04	0.0	316.2	6869.20	-1020.80	48.47	1099.60	43.02	3968.25
297	2	7646.97	167.54	-0.01	-149.80	0.0	7255.51	-925.85	34.84	1018.58	57.37	7646.97
		4482.60	57.37	3.75e-05	0.0	316.2	7255.51	-1075.65	34.84	1018.58	167.54	4482.60
297	3	6750.67	69.89	-0.01	-149.80	0.0	6648.16	-839.23	45.82	1059.32	-75.01	6750.67
		3860.19	-75.01	-3.86e-04	0.0	316.2	6648.16	-989.03	45.82	1059.32	69.89	3860.19
297	4	6752.14	63.82	-0.01	-149.80	0.0	6621.09	-838.67	46.29	1062.48	-82.55	6752.14
		3863.44	-82.55	3.62e-04	0.0	316.2	6621.09	-988.46	46.29	1062.48	63.82	3863.44
297	5	6856.44	66.34	-0.01	-149.80	0.0	6708.74	-849.52	46.87	1062.52	-81.87	6856.44
		3933.45	-81.87	3.81e-04	0.0	316.2	6708.74	-999.31	46.87	1062.52	66.34	3933.45
297	6	6962.77	41.78	-0.01	-149.80	0.0	6849.79	-870.28	48.71	1102.87	-112.25	6962.77
		3974.12	-112.25	3.87e-04	0.0	316.2	6849.79	-1020.07	48.71	1102.87	41.78	3974.12
297	7	6724.28	50.74	-0.01	-149.80	0.0	6604.67	-837.14	46.43	1064.77	-96.09	6724.28
		3840.40	-96.09	3.59e-04	0.0	316.2	6604.67	-986.94	46.43	1064.77	50.74	3840.40
297	8	5214.08	47.02	-0.01	-110.96	0.0	5138.09	-652.30	35.42	826.39	-64.96	5214.08
		2976.09	-64.96	-3.54e-04	0.0	316.2	5138.09	-763.26	35.42	826.39	47.02	2976.09
297	9	4886.95	40.62	-9.48e-03	-110.96	0.0	4816.93	-606.50	33.88	762.89	-66.52	4886.95
		2793.77	-66.52	2.26e-04	0.0	316.2	4816.93	-717.46	33.88	762.89	40.62	2793.77
297	10	4771.11	55.55	-9.24e-03	-110.96	0.0	4694.13	-588.85	32.42	740.52	-46.95	4771.11
		2733.74	-46.95	-1.61e-04	0.0	316.2	4694.13	-699.81	32.42	740.52	55.55	2733.74
297	11	4888.94	39.93	-9.48e-03	-110.96	0.0	4806.15	-606.10	34.02	764.71	-67.64	4888.94
		2797.03	-67.64	2.68e-04	0.0	316.2	4806.15	-717.06	34.02	764.71	39.93	2797.03
298	1	5924.99	107.60	-0.02	-149.80	0.0	4380.42	-1330.31	20.42	1194.48	43.02	5924.99
		1481.73	43.02	1.97e-04	0.0	316.2	4380.42	-1480.10	20.42	1194.48	107.60	1481.73
298	2	6500.36	165.47	-0.02	-149.80	0.0	4657.74	-1409.83	-0.65	1057.03	165.47	6500.36
		1805.64	165.47	8.28e-05	0.0	316.2	4657.74	-1559.63	-0.65	1057.03	165.47	1805.64
298	3	5749.32	124.98	-0.02	-149.80	0.0	4244.93	-1283.95	17.42	1146.19	69.89	5749.32
		1452.65	69.89	-5.06e-04	0.0	316.2	4244.93	-1433.75	17.42	1146.19	124.98	1452.65
298	4	5749.46	118.33	-0.02	-149.80	0.0	4222.29	-1282.76	17.24	1151.35	63.82	5749.46

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298	5	1456.55	63.82	2.43e-04	0.0	316.2	4222.29	-1432.56	17.24	1151.35	118.33	1456.55
		5838.96	119.23	-0.02	-149.80	0.0	4280.04	-1299.42	16.72	1147.22	66.34	5838.96
		1493.36	66.34	2.65e-04	0.0	316.2	4280.04	-1449.22	16.72	1147.22	119.23	1493.36
298	6	5927.17	106.53	-0.02	-149.80	0.0	4365.80	-1329.46	20.48	1198.03	41.78	5927.17
		1486.60	41.78	2.73e-04	0.0	316.2	4365.80	-1479.25	20.48	1198.03	106.53	1486.60
298	7	5724.04	109.17	-0.02	-149.80	0.0	4209.66	-1279.96	18.48	1156.31	50.74	5724.04
		1439.98	50.74	2.44e-04	0.0	316.2	4209.66	-1429.76	18.48	1156.31	109.17	1439.98
298	8	4439.51	92.19	-0.01	-110.96	0.0	3277.85	-996.18	14.29	896.57	47.02	4439.51
		1114.16	47.02	-4.47e-04	0.0	316.2	3277.85	-1107.14	14.29	896.57	92.19	1114.16
298	9	4162.04	82.27	-0.01	-110.96	0.0	3075.14	-928.48	13.17	825.78	40.62	4162.04
		1050.75	40.62	1.45e-04	0.0	316.2	3075.14	-1039.44	13.17	825.78	82.27	1050.75
298	10	4064.45	91.93	-0.01	-110.96	0.0	2999.86	-902.73	11.51	798.95	55.55	4064.45
		1034.59	55.55	-2.46e-04	0.0	316.2	2999.86	-1013.69	11.51	798.95	91.93	1034.59
298	11	4163.25	81.67	-0.01	-110.96	0.0	3067.01	-928.01	13.20	827.75	39.93	4163.25
		1053.46	39.93	1.87e-04	0.0	316.2	3067.01	-1038.97	13.20	827.75	81.67	1053.46
299	1	4022.04	272.30	-0.02	-149.80	0.0	1123.53	-1787.91	52.09	1208.78	107.60	4022.04
		-1868.18	107.60	1.16e-04	0.0	316.2	1123.53	-1937.71	52.09	1208.78	272.30	-1868.18
299	2	4448.36	240.77	-0.02	-149.80	0.0	1253.32	-1874.73	23.82	1033.81	165.47	4448.36
		-1716.36	165.47	1.54e-04	0.0	316.2	1253.32	-2024.52	23.82	1033.81	240.77	-1716.36
299	3	3902.33	259.27	-0.02	-149.80	0.0	1103.94	-1723.41	42.47	1159.29	124.98	3902.33
		-1783.91	124.98	-5.94e-04	0.0	316.2	1103.94	-1873.20	42.47	1159.29	259.27	-1783.91
299	4	3903.14	261.98	-0.02	-149.80	0.0	1085.69	-1721.77	45.43	1163.81	118.33	3903.14
		-1777.94	118.33	-1.58e-04	0.0	316.2	1085.69	-1871.57	45.43	1163.81	261.98	-1777.94
299	5	3969.37	261.97	-0.02	-149.80	0.0	1102.35	-1743.93	45.14	1155.54	119.23	3969.37
		-1781.76	119.23	1.84e-04	0.0	316.2	1102.35	-1893.72	45.14	1155.54	261.97	-1781.76
299	6	4023.33	274.00	-0.02	-149.80	0.0	1113.52	-1786.98	52.96	1211.97	106.53	4023.33
		-1863.94	106.53	1.92e-04	0.0	316.2	1113.52	-1936.78	52.96	1211.97	274.00	-1863.94
299	7	3883.61	263.25	-0.02	-149.80	0.0	1077.47	-1718.48	48.73	1170.45	109.17	3883.61
		-1787.06	109.17	-1.62e-04	0.0	316.2	1077.47	-1868.28	48.73	1170.45	263.25	-1787.06
299	8	3009.83	202.51	-0.01	-110.96	0.0	848.21	-1335.44	34.89	909.07	92.19	3009.83
		-1388.26	92.19	-5.16e-04	0.0	316.2	848.21	-1446.40	34.89	909.07	202.51	-1388.26
299	9	2828.85	188.39	-0.01	-110.96	0.0	794.41	-1249.39	33.56	833.25	82.27	2828.85
		-1297.15	82.27	8.68e-05	0.0	316.2	794.41	-1360.35	33.56	833.25	188.39	-1297.15
299	10	2762.35	181.16	-0.01	-110.96	0.0	783.52	-1213.55	28.22	805.76	91.93	2762.35
		-1250.34	91.93	-3.08e-04	0.0	316.2	783.52	-1324.51	28.22	805.76	181.16	-1250.34
299	11	2829.57	189.34	-0.01	-110.96	0.0	788.85	-1248.87	34.05	835.02	81.67	2829.57
		-1294.80	81.67	1.29e-04	0.0	316.2	788.85	-1359.83	34.05	835.02	189.34	-1294.80
300	1	4775.48	-364.46	-0.01	-142.69	0.0	4340.68	1210.28	-45.29	-45.39	-364.46	1345.01
		1345.01	-500.86	-2.65e-04	0.0	301.2	4340.68	1067.59	-45.29	-45.39	-500.86	4775.48
300	2	4670.40	-357.32	-0.01	-142.69	0.0	4240.28	1187.64	-41.18	-17.45	-357.32	1308.13
		1308.13	-481.35	-2.78e-04	0.0	301.2	4240.28	1044.95	-41.18	-17.45	-481.35	4670.40
300	3	4612.22	-357.26	-0.01	-142.69	0.0	4197.80	1170.65	-41.86	-39.16	-357.26	1301.11
		1301.11	-483.35	-3.06e-04	0.0	301.2	4197.80	1027.96	-41.86	-39.16	-483.35	4612.22
300	4	4610.47	-357.54	-0.01	-142.69	0.0	4197.05	1170.22	-42.01	-40.49	-357.54	1300.68
		1300.68	-484.07	5.30e-04	0.0	301.2	4197.05	1027.53	-42.01	-40.49	-484.07	4610.47
300	5	4797.79	-358.01	-0.01	-142.69	0.0	4335.46	1224.97	-34.45	77.96	-358.01	1323.07
		1323.07	-461.78	5.85e-04	0.0	301.2	4335.46	1082.28	-34.45	77.96	-461.78	4797.79
300	6	4772.10	-365.13	-0.01	-142.69	0.0	4338.25	1209.72	-44.61	-43.03	-365.13	1343.31
		1343.31	-499.49	5.21e-04	0.0	301.2	4338.25	1067.03	-44.61	-43.03	-499.49	4772.10
300	7	4602.72	-357.22	-0.01	-142.69	0.0	4189.67	1167.86	-42.91	-45.82	-357.22	1300.02
		1300.02	-486.46	-2.89e-04	0.0	301.2	4189.67	1025.17	-42.91	-45.82	-486.46	4602.72
300	8	3569.37	-280.29	-0.01	-105.70	0.0	3251.24	901.97	-32.94	-41.07	-280.29	1011.82
		1011.82	-379.52	-2.33e-04	0.0	301.2	3251.24	796.27	-32.94	-41.07	-379.52	3569.37
300	9	3343.59	-251.96	-9.95e-03	-105.70	0.0	3037.26	851.87	-30.92	-20.07	-251.96	936.93
		936.93	-345.09	-1.96e-04	0.0	301.2	3037.26	746.18	-30.92	-20.07	-345.09	3343.59
300	10	3252.89	-247.96	-9.69e-03	-105.70	0.0	2957.88	829.86	-29.02	-16.61	-247.96	912.54
		912.54	-335.36	-2.19e-04	0.0	301.2	2957.88	724.16	-29.02	-16.61	-335.36	3252.89
300	11	3341.72	-252.33	-9.95e-03	-105.70	0.0	3035.91	851.57	-30.54	-18.76	-252.33	935.98
		935.98	-344.33	3.38e-04	0.0	301.2	3035.91	745.87	-30.54	-18.76	-344.33	3341.72
301	1	5802.76	-500.86	-0.01	-142.69	0.0	6339.38	903.14	-14.45	179.72	-500.86	3297.41
		3297.41	-544.38	-2.77e-04	0.0	301.2	6339.38	760.45	-14.45	179.72	-544.38	5802.76
301	2	5689.00	-481.35	-0.01	-142.69	0.0	6192.64	889.82	-12.09	201.47	-481.35	3223.74
		3223.74	-517.75	-2.87e-04	0.0	301.2	6192.64	747.13	-12.09	201.47	-517.75	5689.00
301	3	5607.63	-483.35	-0.01	-142.69	0.0	6122.44	874.24	-13.24	180.71	-483.35	3189.31
		3189.31	-523.22	-3.15e-04	0.0	301.2	6122.44	731.55	-13.24	180.71	-523.22	5607.63
301	4	5606.31	-484.07	-0.01	-142.69	0.0	6119.11	873.69	-14.43	179.95	-484.07	3189.64
		3189.64	-527.54	-5.39e-04	0.0	301.2	6119.11	731.00	-14.43	179.95	-527.54	5606.31
301	5	5883.04	-461.78	-0.01	-142.69	0.0	6327.79	923.51	-8.62	295.50	-461.78	3316.32
		3316.32	-487.74	-5.87e-04	0.0	301.2	6327.79	780.82	-8.62	295.50	-487.74	5883.04
301	6	5802.13	-499.49	-0.01	-142.69	0.0	6329.47	902.13	-16.79	184.29	-499.49	3299.80
		3299.80	-550.07	-5.30e-04	0.0	301.2	6329.47	759.44	-16.79	184.29	-550.07	5802.13
301	7	5592.24	-486.46	-0.01	-142.69	0.0	6113.46	871.96	-12.92	173.55	-486.46	3180.78

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301	8	3180.78	-525.39	-3.00e-04	0.0	301.2	6113.46	729.27	-12.92	173.55	-525.39	5592.24
		4335.81	-379.52	-8.37e-03	-105.70	0.0	4739.13	672.19	-10.49	131.26	-379.52	2470.36
		2470.36	-411.10	-2.40e-04	0.0	301.2	4739.13	566.49	-10.49	131.26	-411.10	4335.81
301	9	4067.23	-345.09	-7.85e-03	-105.70	0.0	4437.72	637.27	-9.72	135.58	-345.09	2306.94
		2306.94	-374.37	-2.03e-04	0.0	301.2	4437.72	531.58	-9.72	135.58	-374.37	4067.23
301	10	3958.82	-335.36	-7.66e-03	-105.70	0.0	4317.20	621.22	-9.05	136.13	-335.36	2246.89
		2246.89	-362.61	-2.25e-04	0.0	301.2	4317.20	515.52	-9.05	136.13	-362.61	3958.82
301	11	4066.88	-344.33	-7.86e-03	-105.70	0.0	4432.22	636.71	-11.02	138.12	-344.33	2308.28
		2308.28	-377.53	-3.44e-04	0.0	301.2	4432.22	531.02	-11.02	138.12	-377.53	4066.88
302	1	6408.73	-497.99	-7.22e-03	-142.69	0.0	7671.17	592.07	15.40	392.50	-544.38	4840.31
		4840.31	-544.38	-3.22e-04	0.0	301.2	7671.17	449.38	15.40	392.50	-497.99	6408.73
302	2	6294.83	-467.19	-7.11e-03	-142.69	0.0	7495.73	586.47	16.79	404.53	-517.75	4743.26
		4743.26	-517.75	-3.30e-04	0.0	301.2	7495.73	443.78	16.79	404.53	-467.19	6294.83
302	3	6197.12	-471.48	-7.00e-03	-142.69	0.0	7405.64	574.73	17.18	385.61	-523.22	4680.93
		4680.93	-523.22	-3.58e-04	0.0	301.2	7405.64	432.04	17.18	385.61	-471.48	6197.12
302	4	6193.85	-474.83	-6.99e-03	-142.69	0.0	7403.75	574.41	17.50	383.87	-527.54	4678.61
		4678.61	-527.54	-5.85e-04	0.0	301.2	7403.75	431.72	17.50	383.87	-474.83	6193.85
302	5	6547.13	-413.78	-7.49e-03	-142.69	0.0	7662.23	615.30	24.55	484.79	-487.74	4908.75
		4908.75	-487.74	-6.27e-04	0.0	301.2	7662.23	472.61	24.55	484.79	-413.78	6547.13
302	6	6406.25	-501.97	-7.24e-03	-142.69	0.0	7660.64	591.28	15.97	395.68	-550.07	4840.20
		4840.20	-550.07	-5.80e-04	0.0	301.2	7660.64	448.59	15.97	395.68	-501.97	6406.25
302	7	6177.68	-476.82	-6.97e-03	-142.69	0.0	7394.05	572.65	16.12	380.16	-525.39	4667.75
		4667.75	-525.39	-3.43e-04	0.0	301.2	7394.05	429.96	16.12	380.16	-476.82	6177.68
302	8	4788.85	-371.43	-5.40e-03	-105.70	0.0	5730.01	440.43	13.17	292.46	-411.10	3621.45
		3621.45	-411.10	-2.74e-04	0.0	301.2	5730.01	334.73	13.17	292.46	-371.43	4788.85
302	9	4495.32	-340.67	-5.07e-03	-105.70	0.0	5372.05	419.55	11.19	281.81	-374.37	3390.82
		3390.82	-374.37	-2.35e-04	0.0	301.2	5372.05	313.85	11.19	281.81	-340.67	4495.32
302	10	4377.76	-325.95	-4.95e-03	-105.70	0.0	5224.53	409.92	12.17	277.98	-362.61	3302.27
		3302.27	-362.61	-2.55e-04	0.0	301.2	5224.53	304.22	12.17	277.98	-325.95	4377.76
302	11	4493.95	-342.88	-5.08e-03	-105.70	0.0	5366.20	419.11	11.50	283.58	-377.53	3390.76
		3390.76	-377.53	-3.78e-04	0.0	301.2	5366.20	313.42	11.50	283.58	-342.88	4493.95
303	1	6535.51	-401.16	-2.61e-03	-142.69	0.0	8354.29	267.41	32.15	592.53	-497.99	5944.97
		5944.97	-497.99	-3.61e-04	0.0	301.2	8354.29	124.72	32.15	592.53	-401.16	6535.51
303	2	6428.99	-368.66	-2.58e-03	-142.69	0.0	8165.79	268.55	32.71	592.67	-467.19	5835.02
		5835.02	-467.19	-3.66e-04	0.0	301.2	8165.79	125.86	32.71	592.67	-368.66	6428.99
303	3	6324.81	-371.56	-2.53e-03	-142.69	0.0	8063.25	261.77	33.17	577.65	-471.48	5751.23
		5751.23	-471.48	-3.93e-04	0.0	301.2	8063.25	119.08	33.17	577.65	-371.56	6324.81
303	4	6318.80	-372.66	-2.53e-03	-142.69	0.0	8064.10	261.57	33.92	575.55	-474.83	5745.84
		5745.84	-474.83	-6.21e-04	0.0	301.2	8064.10	118.88	33.92	575.55	-372.66	6318.80
303	5	6725.33	-290.31	-2.78e-03	-142.69	0.0	8349.29	289.41	40.99	653.06	-413.78	6068.53
		6068.53	-413.78	-6.57e-04	0.0	301.2	8349.29	146.72	40.99	653.06	-290.31	6725.33
303	6	6530.74	-403.57	-2.63e-03	-142.69	0.0	8342.66	266.43	32.67	596.25	-501.97	5943.13
		5943.13	-501.97	-6.20e-04	0.0	301.2	8342.66	123.75	32.67	596.25	-403.57	6530.74
303	7	6302.11	-379.96	-2.52e-03	-142.69	0.0	8050.05	260.18	32.16	573.70	-476.82	5733.36
		5733.36	-476.82	-3.78e-04	0.0	301.2	8050.05	117.49	32.16	573.70	-379.96	6302.11
303	8	4885.52	-294.42	-1.95e-03	-105.70	0.0	6236.71	198.52	25.57	444.04	-371.43	4446.76
		4446.76	-371.43	-3.01e-04	0.0	301.2	6236.71	92.82	25.57	444.04	-294.42	4885.52
303	9	4586.96	-271.77	-1.84e-03	-105.70	0.0	5852.36	192.01	22.87	418.66	-340.67	4167.79
		4167.79	-340.67	-2.62e-04	0.0	301.2	5852.36	86.32	22.87	418.66	-271.77	4586.96
303	10	4469.90	-255.33	-1.80e-03	-105.70	0.0	5690.68	188.88	23.44	410.39	-325.95	4060.16
		4060.16	-325.95	-2.79e-04	0.0	301.2	5690.68	83.19	23.44	410.39	-255.33	4469.90
303	11	4584.31	-273.11	-1.85e-03	-105.70	0.0	5845.90	191.47	23.16	420.73	-342.88	4166.77
		4166.77	-342.88	-4.05e-04	0.0	301.2	5845.90	85.78	23.16	420.73	-273.11	4584.31
304	1	6581.50	-269.91	-2.29e-03	-142.69	0.0	8371.11	-75.36	43.57	768.24	-401.16	6581.50
		6139.62	-401.16	-3.79e-04	0.0	301.2	8371.11	-218.05	43.57	768.24	-269.91	6139.62
304	2	6467.00	-237.89	-2.24e-03	-142.69	0.0	8184.56	-67.94	43.42	755.24	-368.66	6467.00
		6047.46	-368.66	-3.81e-04	0.0	301.2	8184.56	-210.63	43.42	755.24	-237.89	6047.46
304	3	6369.93	-240.12	-2.21e-03	-142.69	0.0	8078.71	-69.14	43.64	744.86	-371.56	6369.93
		5946.79	-371.56	-4.04e-04	0.0	301.2	8078.71	-211.83	43.64	744.86	-240.12	5946.79
304	4	6361.92	-239.86	-2.21e-03	-142.69	0.0	8082.01	-69.42	44.09	742.71	-372.66	6361.92
		5937.94	-372.66	-6.34e-04	0.0	301.2	8082.01	-212.11	44.09	742.71	-239.86	5937.94
304	5	6750.55	-131.82	-2.26e-03	-142.69	0.0	8375.12	-58.15	52.62	786.98	-290.31	6750.55
		6360.51	-290.31	-6.62e-04	0.0	301.2	8375.12	-200.84	52.62	786.98	-131.82	6360.51
304	6	6578.18	-271.94	-2.27e-03	-142.69	0.0	8357.10	-76.82	43.70	772.71	-403.57	6578.18
		6131.93	-403.57	-6.38e-04	0.0	301.2	8357.10	-219.50	43.70	772.71	-271.94	6131.93
304	7	6348.17	-250.92	-2.20e-03	-142.69	0.0	8064.88	-70.00	42.84	742.98	-379.96	6348.17
		5922.43	-379.96	-3.92e-04	0.0	301.2	8064.88	-212.69	42.84	742.98	-250.92	5922.43
304	8	4923.22	-193.03	-1.71e-03	-105.70	0.0	6246.80	-57.16	33.66	576.57	-294.42	4923.22
		4591.87	-294.42	-3.10e-04	0.0	301.2	6246.80	-162.86	33.66	576.57	-193.03	4591.87
304	9	4616.37	-178.98	-1.60e-03	-105.70	0.0	5865.99	-48.39	30.81	538.14	-271.77	4616.37
		4311.44	-271.77	-2.73e-04	0.0	301.2	5865.99	-154.09	30.81	538.14	-178.98	4311.44
304	10	4498.83	-162.42	-1.56e-03	-105.70	0.0	5703.55	-44.94	30.85	525.14	-255.33	4498.83

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304	11	4204.31	-255.33	-2.87e-04	0.0	301.2	5703.55	-150.63	30.85	525.14	-162.42	4204.31
		4614.53	-180.10	-1.59e-03	-105.70	0.0	5858.21	-49.20	30.88	540.62	-273.11	4614.53
		4307.16	-273.11	-4.17e-04	0.0	301.2	5858.21	-154.89	30.88	540.62	-180.10	4307.16
305	1	6726.39	-120.24	-7.08e-03	-142.69	0.0	7676.80	-441.93	49.69	913.34	-269.91	6726.39
		5180.42	-269.91	-3.64e-04	0.0	301.2	7676.80	-584.62	49.69	913.34	-120.24	5180.42
305	2	6614.52	-91.14	-6.95e-03	-142.69	0.0	7507.51	-428.13	48.72	887.07	-237.89	6614.52
		5110.10	-237.89	-3.64e-04	0.0	301.2	7507.51	-570.82	48.72	887.07	-91.14	5110.10
305	3	6513.09	-93.85	-6.85e-03	-142.69	0.0	7408.54	-423.46	48.56	881.77	-240.12	6513.09
		5022.73	-240.12	-3.83e-04	0.0	301.2	7408.54	-566.15	48.56	881.77	-93.85	5022.73
305	4	6502.76	-93.92	-6.84e-03	-142.69	0.0	7413.62	-423.91	48.45	879.69	-239.86	6502.76
		5011.07	-239.86	-6.13e-04	0.0	301.2	7413.62	-566.59	48.45	879.69	-93.92	5011.07
305	5	6932.07	19.48	-7.20e-03	-142.69	0.0	7681.53	-432.87	50.23	889.71	-131.82	6932.07
		5413.38	-131.82	-6.24e-04	0.0	301.2	7681.53	-575.56	50.23	889.71	19.48	5413.38
305	6	6721.46	-123.53	-7.05e-03	-142.69	0.0	7658.71	-444.07	49.27	918.91	-271.94	6721.46
		5169.02	-271.94	-6.23e-04	0.0	301.2	7658.71	-586.76	49.27	918.91	-123.53	5169.02
305	7	6488.96	-105.92	-6.83e-03	-142.69	0.0	7395.09	-423.39	48.14	882.35	-250.92	6488.96
		4998.81	-250.92	-3.74e-04	0.0	301.2	7395.09	-566.08	48.14	882.35	-105.92	4998.81
305	8	5032.53	-80.11	-5.29e-03	-105.70	0.0	5726.74	-330.94	37.49	685.77	-193.03	5032.53
		3876.56	-193.03	-2.94e-04	0.0	301.2	5726.74	-436.64	37.49	685.77	-80.11	3876.56
305	9	4719.74	-73.70	-4.96e-03	-105.70	0.0	5381.37	-305.53	34.95	635.97	-178.98	4719.74
		3640.30	-178.98	-2.61e-04	0.0	301.2	5381.37	-411.23	34.95	635.97	-73.70	3640.30
305	10	4601.24	-59.04	-4.84e-03	-105.70	0.0	5232.33	-295.28	34.32	618.43	-162.42	4601.24
		3552.69	-162.42	-2.72e-04	0.0	301.2	5232.33	-400.97	34.32	618.43	-59.04	3552.69
305	11	4717.00	-75.53	-4.95e-03	-105.70	0.0	5371.31	-306.73	34.72	639.06	-180.10	4717.00
		3633.96	-180.10	-4.05e-04	0.0	301.2	5371.31	-412.42	34.72	639.06	-75.53	3633.96
306	1	6351.19	24.87	-0.01	-142.69	0.0	6211.37	-839.82	48.18	1023.93	-120.24	6351.19
		3606.77	-120.24	-3.13e-04	0.0	301.2	6211.37	-982.51	48.18	1023.93	24.87	3606.77
306	2	6248.82	48.41	-0.01	-142.69	0.0	6076.09	-818.81	46.33	985.35	-91.14	6248.82
		3567.69	-91.14	-3.11e-04	0.0	301.2	6076.09	-961.49	46.33	985.35	48.41	3567.69
306	3	6152.23	44.00	-0.01	-142.69	0.0	5994.64	-808.23	45.77	985.40	-93.85	6152.23
		3502.96	-93.85	-3.26e-04	0.0	301.2	5994.64	-950.92	45.77	985.40	44.00	3502.96
306	4	6139.95	41.60	-0.01	-142.69	0.0	6000.63	-808.75	44.99	983.74	-93.92	6139.95
		3489.11	-93.92	-5.55e-04	0.0	301.2	6000.63	-951.44	44.99	983.74	41.60	3489.11
306	5	6564.24	152.53	-0.01	-142.69	0.0	6223.86	-838.53	44.18	954.11	19.48	6564.24
		3823.70	19.48	-5.52e-04	0.0	301.2	6223.86	-981.22	44.18	954.11	152.53	3823.70
306	6	6344.73	19.85	-0.01	-142.69	0.0	6186.81	-842.65	47.60	1031.21	-123.53	6344.73
		3591.78	-123.53	-5.72e-04	0.0	301.2	6186.81	-985.34	47.60	1031.21	19.85	3591.78
306	7	6127.71	32.30	-0.01	-142.69	0.0	5982.70	-807.11	45.89	988.61	-105.92	6127.71
		3481.81	-105.92	-3.20e-04	0.0	301.2	5982.70	-949.80	45.89	988.61	32.30	3481.81
306	8	4752.64	26.64	-8.49e-03	-105.70	0.0	4631.61	-628.32	35.44	769.27	-80.11	4752.64
		2700.96	-80.11	-2.50e-04	0.0	301.2	4631.61	-734.02	35.44	769.27	26.64	2700.96
306	9	4457.85	27.53	-7.96e-03	-105.70	0.0	4356.43	-584.58	33.61	709.60	-73.70	4457.85
		2537.92	-73.70	-2.24e-04	0.0	301.2	4356.43	-690.28	33.61	709.60	27.53	2537.92
306	10	4347.32	38.15	-7.76e-03	-105.70	0.0	4236.03	-567.03	32.27	688.20	-59.04	4347.32
		2480.25	-59.04	-2.32e-04	0.0	301.2	4236.03	-672.73	32.27	688.20	38.15	2480.25
306	11	4454.27	24.74	-7.95e-03	-105.70	0.0	4342.79	-586.16	33.29	713.65	-75.53	4454.27
		2529.59	-75.53	-3.68e-04	0.0	301.2	4342.79	-691.85	33.29	713.65	24.74	2529.59
307	1	5407.04	36.09	-0.01	-142.69	0.0	3922.11	-1276.27	3.73	1131.63	24.87	5407.04
		1348.02	24.87	-2.04e-04	0.0	301.2	3922.11	-1418.96	3.73	1131.63	36.09	1348.02
307	2	5322.55	48.41	-0.01	-142.69	0.0	3839.61	-1246.18	-0.02	1083.48	48.41	5322.55
		1354.16	48.35	-2.01e-04	0.0	301.2	3839.61	-1388.87	-0.02	1083.48	48.35	1354.16
307	3	5239.39	47.10	-0.01	-142.69	0.0	3786.80	-1229.96	1.03	1087.46	44.00	5239.39
		1319.87	44.00	-2.14e-04	0.0	301.2	3786.80	-1372.65	1.03	1087.46	47.10	1319.87
307	4	5226.37	43.23	-0.01	-142.69	0.0	3792.38	-1230.16	0.54	1086.19	41.60	5226.37
		1306.24	41.60	-4.44e-04	0.0	301.2	3792.38	-1372.85	0.54	1086.19	43.23	1306.24
307	5	5608.05	152.53	-0.02	-142.69	0.0	3941.38	-1279.91	-18.04	1030.00	152.53	5608.05
		1538.07	98.18	-4.17e-04	0.0	301.2	3941.38	-1422.60	-18.04	1030.00	98.18	1538.07
307	6	5400.96	40.21	-0.01	-142.69	0.0	3887.37	-1279.17	6.76	1140.08	19.85	5400.96
		1333.21	19.85	-4.63e-04	0.0	301.2	3887.37	-1421.86	6.76	1140.08	40.21	1333.21
307	7	5216.73	39.62	-0.01	-142.69	0.0	3777.47	-1227.78	2.43	1092.71	32.30	5216.73
		1303.79	32.30	-2.11e-04	0.0	301.2	3777.47	-1370.46	2.43	1092.71	39.62	1303.79
307	8	4046.14	31.80	-0.01	-105.70	0.0	2922.72	-954.39	1.71	851.10	26.64	4046.14
		1012.33	26.64	-1.64e-04	0.0	301.2	2922.72	-1060.09	1.71	851.10	31.80	1012.33
307	9	3796.73	31.57	-0.01	-105.70	0.0	2754.21	-890.51	1.34	781.83	27.53	3796.73
		955.33	27.53	-1.47e-04	0.0	301.2	2754.21	-996.21	1.34	781.83	31.57	955.33
307	10	3703.59	38.15	-0.01	-105.70	0.0	2679.04	-864.78	-0.16	757.29	38.15	3703.59
		939.69	37.68	-1.52e-04	0.0	301.2	2679.04	-970.48	-0.16	757.29	37.68	939.69
307	11	3793.35	33.85	-0.01	-105.70	0.0	2734.91	-892.12	3.03	786.52	24.74	3793.35
		947.11	24.74	-2.91e-04	0.0	301.2	2734.91	-997.82	3.03	786.52	33.85	947.11
308	1	3691.97	256.77	-0.02	-142.69	0.0	930.70	-1717.56	73.26	1140.46	36.09	3691.97
		-1696.21	36.09	-1.60e-04	0.0	301.2	930.70	-1860.25	73.26	1140.46	256.77	-1696.21
308	2	3640.46	245.66	-0.02	-142.69	0.0	919.12	-1675.00	65.51	1087.00	48.35	3640.46

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308	3	-1619.55	48.35	-1.58e-04	0.0	301.2	919.12	-1817.69	65.51	1087.00	245.66	-1619.55
		3578.90	246.03	-0.02	-142.69	0.0	905.11	-1654.24	66.05	1095.91	47.10	3578.90
		-1618.55	47.10	-1.67e-04	0.0	301.2	905.11	-1796.93	66.05	1095.91	246.03	-1618.55
308	4	3569.77	241.10	-0.02	-142.69	0.0	906.17	-1653.27	65.70	1096.29	43.23	3569.77
		-1624.77	43.23	-3.97e-04	0.0	301.2	906.17	-1795.96	65.70	1096.29	241.10	-1624.77
308	5	3868.08	228.59	-0.02	-142.69	0.0	963.47	-1715.96	43.29	1013.13	98.18	3868.08
		-1515.29	98.18	-3.71e-04	0.0	301.2	963.47	-1858.65	43.29	1013.13	228.59	-1515.29
308	6	3693.68	303.84	-0.02	-142.69	0.0	878.62	-1718.60	87.53	1148.77	40.21	3693.68
		-1697.64	40.21	-4.15e-04	0.0	301.2	878.62	-1861.29	87.53	1148.77	303.84	-1697.64
308	7	3560.64	246.96	-0.02	-142.69	0.0	898.80	-1651.25	68.84	1102.57	39.62	3560.64
		-1627.82	39.62	-1.66e-04	0.0	301.2	898.80	-1793.94	68.84	1102.57	246.96	-1627.82
308	8	2760.54	192.38	-0.01	-105.70	0.0	693.82	-1281.97	53.32	859.91	31.80	2760.54
		-1259.92	31.80	-1.27e-04	0.0	301.2	693.82	-1387.66	53.32	859.91	192.38	-1259.92
308	9	2595.96	177.46	-0.01	-105.70	0.0	659.36	-1200.02	48.44	785.67	31.57	2595.96
		-1177.67	31.57	-1.16e-04	0.0	301.2	659.36	-1305.71	48.44	785.67	177.46	-1177.67
308	10	2533.14	171.49	-0.01	-105.70	0.0	645.15	-1164.84	44.43	760.92	37.68	2533.14
		-1134.53	37.68	-1.19e-04	0.0	301.2	645.15	-1270.53	44.43	760.92	171.49	-1134.53
308	11	2596.91	203.61	-0.01	-105.70	0.0	630.43	-1200.60	56.36	790.28	33.85	2596.91
		-1178.47	33.85	-2.57e-04	0.0	301.2	630.43	-1306.29	56.36	790.28	203.61	-1178.47
309	1	157.14	50.89	-1.39e-04	-1127.05	0.0	-1013.82	713.46	-78.30	129.91	29.29	-697.24
		-697.24	-39.49	-2.06e-04	168.02	378.4	-952.69	-413.59	89.72	129.91	50.89	-129.87
309	2	-60.08	33.34	-7.33e-05	-105.36	0.0	-1044.05	155.26	-23.44	65.36	33.34	-448.22
		-448.22	-55.37	-6.22e-05	0.0	378.4	-1044.05	49.89	-23.44	65.36	-55.37	-60.08
309	3	111.85	-7.16	-9.85e-05	-105.36	0.0	-968.13	252.95	1.94	132.42	-14.50	-645.97
		-645.97	-14.50	-5.85e-04	0.0	378.4	-968.13	147.59	1.94	132.42	-7.16	111.85
309	4	114.46	-8.91	-9.98e-05	-105.36	0.0	-960.89	253.17	1.31	133.15	-13.86	-644.19
		-644.19	-13.86	-2.92e-04	0.0	378.4	-960.89	147.81	1.31	133.15	-8.91	114.46
309	5	102.23	-10.03	-9.90e-05	-105.36	0.0	-972.25	244.87	0.27	128.23	-11.03	-625.03
		-625.03	-11.03	-2.98e-04	0.0	378.4	-972.25	139.51	0.27	128.23	-10.03	102.23
309	6	141.20	1.07	-1.10e-04	-105.36	0.0	-990.09	264.58	5.69	145.23	-20.48	-660.63
		-660.63	-20.48	-2.77e-04	0.0	378.4	-990.09	159.22	5.69	145.23	1.07	141.20
309	7	124.49	-4.64	-1.03e-04	-105.36	0.0	-959.21	258.47	3.33	137.78	-17.23	-654.21
		-654.21	-17.23	-2.71e-04	0.0	378.4	-959.21	153.10	3.33	137.78	-4.64	124.49
309	8	95.41	-3.89	-7.59e-05	-78.05	0.0	-750.60	201.75	2.58	106.37	-13.67	-520.35
		-520.35	-13.67	-5.23e-04	0.0	378.4	-750.60	123.70	2.58	106.37	-3.89	95.41
309	9	74.23	25.62	-9.02e-05	-645.65	0.0	-706.18	428.20	-44.27	88.17	16.52	-462.34
		-462.34	-23.09	-1.60e-04	93.35	378.4	-672.22	-217.45	49.08	88.17	25.62	-63.61
309	10	70.68	-6.63	-6.80e-05	-78.05	0.0	-680.81	172.36	0.31	89.57	-7.81	-433.86
		-433.86	-7.81	-2.79e-04	0.0	378.4	-680.81	94.31	0.31	89.57	-6.63	70.68
309	11	86.99	-2.06	-7.41e-05	-78.05	0.0	-693.00	178.82	2.40	96.68	-11.13	-442.01
		-442.01	-11.13	-2.00e-04	0.0	378.4	-693.00	100.77	2.40	96.68	-2.06	86.99
310	1	0.0	0.0	-9.14e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-4.04e-06	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
310	2	0.0	0.0	-1.20e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-3.55e-06	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
310	3	0.0	0.0	-1.55e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-2.21e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
310	4	0.0	0.0	-1.55e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-3.82e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
310	5	0.0	0.0	-1.51e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-4.60e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
310	6	0.0	0.0	-1.58e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-2.97e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
310	7	0.0	0.0	-1.57e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-2.87e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
310	8	0.0	0.0	-1.24e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-1.96e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
310	9	0.0	0.0	-6.89e-05	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-8.47e-06	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
310	10	0.0	0.0	-1.04e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-1.12e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
310	11	0.0	0.0	-1.06e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-2.72e-05	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
311	1	28.30	73.11	-9.97e-05	-445.94	0.0	-1033.54	256.94	-39.99	49.44	73.11	-251.65
		-251.65	-78.21	-3.21e-05	0.0	378.4	-1033.54	-189.00	-39.99	49.44	-78.21	-123.09
311	2	137.04	114.83	-2.25e-05	-105.36	0.0	-1122.82	-12.01	-57.17	-8.85	114.83	137.04
		-107.74	-101.49	-3.01e-04	0.0	378.4	-1122.82	-117.37	-57.17	-8.85	-101.49	-107.74
311	3	41.28	100.28	-5.62e-06	-105.36	0.0	-933.79	18.67	-57.73	29.16	100.28	35.04
		-93.65	-118.17	-8.23e-04	0.0	378.4	-933.79	-86.69	-57.73	29.16	-118.17	-93.65
311	4	39.64	79.88	-4.46e-06	-105.36	0.0	-1001.74	16.73	-44.48	23.29	79.88	34.78
		-101.25	-88.45	-1.15e-04	0.0	378.4	-1001.74	-88.63	-44.48	23.29	-88.45	-101.25
311	5	41.02	76.04	-7.99e-06	-105.36	0.0	-1024.16	24.91	-41.11	30.58	76.04	29.91

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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311	6	-75.17	-79.53	-1.13e-04	0.0	378.4	-1024.16	-80.45	-41.11	30.58	-79.53	-75.17
		23.76	67.67	-1.12e-05	-105.36	0.0	-1033.32	42.24	-37.50	48.39	67.67	-8.15
		-47.64	-74.24	-8.72e-05	0.0	378.4	-1033.32	-63.12	-37.50	48.39	-74.24	-47.64
311	7	32.06	73.90	-6.15e-06	-105.36	0.0	-997.17	26.87	-40.98	32.74	73.90	19.09
		-78.56	-81.17	-9.21e-05	0.0	378.4	-997.17	-78.49	-40.98	32.74	-81.17	-78.56
311	8	32.97	78.57	-5.18e-06	-78.05	0.0	-713.97	12.77	-45.50	23.74	78.57	29.10
		-70.23	-93.59	-7.10e-04	0.0	378.4	-713.97	-65.27	-45.50	23.74	-93.59	-70.23
311	9	17.36	52.86	-5.58e-05	-267.26	0.0	-727.55	147.86	-28.88	30.80	52.86	-137.37
		-137.37	-56.42	-3.25e-05	0.0	378.4	-727.55	-119.40	-28.88	30.80	-56.42	-83.51
311	10	27.70	67.95	-3.56e-06	-78.05	0.0	-672.13	15.49	-38.73	19.54	67.95	21.90
		-67.16	-78.62	-4.40e-04	0.0	378.4	-672.13	-62.56	-38.73	19.54	-78.62	-67.16
311	11	17.70	49.84	-7.08e-06	-78.05	0.0	-727.43	28.58	-27.50	30.22	49.84	-2.09
		-41.60	-54.21	-6.55e-05	0.0	378.4	-727.43	-49.46	-27.50	30.22	-54.21	-41.60
312	1	26.71	84.64	-5.81e-05	-275.63	0.0	-922.56	122.23	-44.89	10.80	84.64	-75.82
		-134.80	-85.23	-4.08e-05	0.0	378.4	-922.56	-153.40	-44.89	10.80	-85.23	-134.80
312	2	33.34	60.28	-1.45e-05	-105.36	0.0	-1186.67	59.88	-26.67	34.20	60.28	-31.04
		-31.04	-40.66	-2.55e-04	0.0	378.4	-1186.67	-45.48	-26.67	34.20	-40.66	-3.80
312	3	54.62	74.72	-8.22e-06	-105.36	0.0	-978.83	-7.01	-37.21	-34.15	74.72	54.62
		-171.25	-66.10	-5.89e-04	0.0	378.4	-978.83	-112.37	-37.21	-34.15	-66.10	-171.25
312	4	45.62	106.48	-8.16e-06	-105.36	0.0	-851.42	3.83	-56.62	-11.02	106.48	45.49
		-139.36	-107.76	-7.89e-05	0.0	378.4	-851.42	-101.53	-56.62	-11.02	-107.76	-139.36
312	5	17.86	93.22	2.23e-06	-105.36	0.0	-883.27	28.82	-49.30	12.90	93.22	3.05
		-87.24	-93.32	-6.83e-05	0.0	378.4	-883.27	-76.54	-49.30	12.90	-93.32	-87.24
312	6	6.48	90.71	3.42e-06	-105.36	0.0	-869.43	32.13	-48.83	16.49	90.71	-12.05
		-89.82	-94.06	-5.82e-05	0.0	378.4	-869.43	-73.23	-48.83	16.49	-94.06	-89.82
312	7	24.31	96.93	-2.93e-06	-105.36	0.0	-846.03	18.37	-51.66	2.39	96.93	18.29
		-111.55	-98.56	-6.16e-05	0.0	378.4	-846.03	-86.99	-51.66	2.39	-98.56	-111.55
312	8	44.45	55.20	-7.09e-06	-78.05	0.0	-761.91	-8.29	-27.23	-28.65	55.20	44.45
		-134.59	-47.83	-5.05e-04	0.0	378.4	-761.91	-86.34	-27.23	-28.65	-47.83	-134.59
312	9	17.57	62.48	-3.16e-05	-172.64	0.0	-645.76	71.58	-33.14	5.66	62.48	-38.41
		-94.18	-62.93	-3.14e-05	0.0	378.4	-645.76	-101.06	-33.14	5.66	-62.93	-94.18
312	10	34.05	56.97	-5.26e-06	-78.05	0.0	-677.02	-0.22	-28.88	-19.31	56.97	34.05
		-114.43	-52.31	-3.17e-04	0.0	378.4	-677.02	-78.26	-28.88	-19.31	-52.31	-114.43
312	11	8.15	65.86	2.63e-06	-78.05	0.0	-616.24	21.53	-35.33	8.82	65.86	-2.98
		-69.19	-67.84	-4.20e-05	0.0	378.4	-616.24	-56.52	-35.33	8.82	-67.84	-69.19
313	1	47.05	110.97	-5.81e-05	-105.36	0.0	-682.65	56.20	-60.78	0.26	110.97	-9.50
		-9.50	-119.02	-8.24e-05	0.0	378.4	-682.65	-49.16	-60.78	0.26	-119.02	3.81
313	2	122.59	86.79	-4.27e-05	-105.36	0.0	-969.75	112.91	-48.40	71.40	86.79	-105.31
		-105.31	-96.34	-5.01e-04	0.0	378.4	-969.75	7.55	-48.40	71.40	-96.34	122.59
313	3	93.10	131.35	-3.21e-05	-105.36	0.0	-755.98	30.59	-70.26	-11.37	131.35	76.39
		-7.20	-134.51	-9.03e-04	0.0	378.4	-755.98	-74.77	-70.26	-11.37	-134.51	-7.20
313	4	76.33	114.11	-2.96e-05	-105.36	0.0	-665.00	36.11	-61.21	-18.39	114.11	53.10
		-9.61	-117.49	-7.15e-05	0.0	378.4	-665.00	-69.25	-61.21	-18.39	-117.49	-9.61
313	5	60.98	103.89	-3.02e-05	-105.36	0.0	-678.36	55.25	-57.08	0.43	103.89	6.29
		6.29	-112.09	-5.82e-05	0.0	378.4	-678.36	-50.11	-57.08	0.43	-112.09	16.00
313	6	62.70	105.62	-2.98e-05	-105.36	0.0	-651.08	51.32	-58.00	-3.05	105.62	15.44
		10.29	-113.86	-5.83e-05	0.0	378.4	-651.08	-54.04	-58.00	-3.05	-113.86	10.29
313	7	66.50	108.78	-2.91e-05	-105.36	0.0	-647.51	44.43	-59.31	-11.15	108.78	31.10
		-0.12	-115.64	-5.40e-05	0.0	378.4	-647.51	-60.93	-59.31	-11.15	-115.64	-0.12
313	8	73.84	102.60	-2.50e-05	-78.05	0.0	-587.47	21.56	-54.81	-8.43	102.60	62.68
		-3.41	-104.81	-7.72e-04	0.0	378.4	-587.47	-56.49	-54.81	-8.43	-104.81	-3.41
313	9	36.35	78.83	-3.52e-05	-78.05	0.0	-482.79	38.95	-43.10	-1.95	78.83	-0.44
		-0.70	-84.27	-4.61e-05	0.0	378.4	-482.79	-39.09	-43.10	-1.95	-84.27	-0.70
313	10	62.10	90.14	-2.22e-05	-78.05	0.0	-523.53	24.73	-48.37	-8.41	90.14	47.28
		-6.82	-92.88	-4.94e-04	0.0	378.4	-523.53	-53.32	-48.37	-8.41	-92.88	-6.82
313	11	45.15	75.85	-2.10e-05	-78.05	0.0	-465.26	36.24	-41.56	-3.79	75.85	13.42
		2.90	-81.41	-3.99e-05	0.0	378.4	-465.26	-41.80	-41.56	-3.79	-81.41	2.90
314	1	185.18	137.37	6.77e-05	-105.36	0.0	-437.64	-201.61	-83.03	-34.87	137.37	185.18
		-777.05	-176.82	-7.82e-05	0.0	378.4	-437.64	-306.97	-83.03	-34.87	-176.82	-777.05
314	2	68.25	119.06	6.56e-05	-105.36	0.0	-591.88	-130.55	-75.28	17.55	119.06	68.25
		-625.10	-165.82	-3.52e-04	0.0	378.4	-591.88	-235.91	-75.28	17.55	-165.82	-625.10
314	3	185.92	139.27	5.97e-05	-105.36	0.0	-476.63	-196.20	-83.61	-33.07	139.27	185.92
		-755.87	-177.12	-7.42e-04	0.0	378.4	-476.63	-301.56	-83.61	-33.07	-177.12	-755.87
314	4	195.81	139.08	5.74e-05	-105.36	0.0	-457.12	-200.00	-83.39	-35.10	139.08	195.81
		-760.36	-176.46	-1.57e-04	0.0	378.4	-457.12	-305.36	-83.39	-35.10	-176.46	-760.36
314	5	189.51	136.69	5.96e-05	-105.36	0.0	-447.50	-201.24	-82.72	-33.13	136.69	189.51
		-771.34	-176.32	-1.62e-04	0.0	378.4	-447.50	-306.60	-82.72	-33.13	-176.32	-771.34
314	6	194.08	136.88	5.93e-05	-105.36	0.0	-429.15	-203.78	-82.73	-35.47	136.88	194.08
		-776.38	-176.17	-1.67e-04	0.0	378.4	-429.15	-309.14	-82.73	-35.47	-176.17	-776.38
314	7	203.69	138.94	5.87e-05	-105.36	0.0	-434.13	-209.31	-83.63	-39.28	138.94	203.69
		-787.69	-177.51	-1.52e-04	0.0	378.4	-434.13	-314.67	-83.63	-39.28	-177.51	-787.69
314	8	143.00	107.08	4.66e-05	-78.05	0.0	-367.99	-152.65	-64.35	-24.89	107.08	143.00

		-582.28	-136.43	-6.41e-04	0.0	378.4	-367.99	-230.69	-64.35	-24.89	-136.43	-582.28
314	9	132.95	97.91	4.61e-05	-78.05	0.0	-312.68	-141.45	-59.04	-25.50	97.91	132.95
		-549.96	-125.48	-6.52e-05	0.0	378.4	-312.68	-219.50	-59.04	-25.50	-125.48	-549.96
314	10	133.36	98.96	4.17e-05	-78.05	0.0	-334.34	-138.45	-59.36	-24.50	98.96	133.36
		-538.19	-125.65	-3.91e-04	0.0	378.4	-334.34	-216.49	-59.36	-24.50	-125.65	-538.19
314	11	137.90	97.64	4.15e-05	-78.05	0.0	-307.97	-142.66	-58.87	-25.83	97.64	137.90
		-549.59	-125.13	-1.15e-04	0.0	378.4	-307.97	-220.70	-58.87	-25.83	-125.13	-549.59
315	1	0.0	0.0	-1.01e-04	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.13e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
315	2	0.0	0.0	-8.24e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-1.21e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
315	3	0.0	0.0	-9.83e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-4.38e-05	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
315	4	0.0	0.0	-9.89e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.27e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
315	5	0.0	0.0	-1.02e-04	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.29e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
315	6	0.0	0.0	-1.02e-04	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.30e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
315	7	0.0	0.0	-1.04e-04	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.28e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
315	8	0.0	0.0	-7.59e-05	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	-1.96e-05	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
315	9	0.0	0.0	-7.12e-05	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	-1.53e-04	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
315	10	0.0	0.0	-6.99e-05	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	-5.87e-05	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
315	11	0.0	0.0	-7.21e-05	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	-1.62e-04	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
316	1	0.0	0.0	-3.70e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-2.05e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
316	2	0.0	0.0	-5.60e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-2.49e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
316	3	0.0	0.0	-3.38e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-2.13e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
316	4	0.0	0.0	-3.43e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-8.03e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
316	5	0.0	0.0	-3.15e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-8.02e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
316	6	0.0	0.0	-3.01e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-8.07e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
316	7	0.0	0.0	-2.81e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-7.47e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
316	8	0.0	0.0	-2.52e-05	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-1.75e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
316	9	0.0	0.0	-2.63e-05	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-1.26e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
316	10	0.0	0.0	-2.44e-05	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-1.31e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
316	11	0.0	0.0	-2.24e-05	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-5.72e-05	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
317	1	79.85	69.68	-6.94e-05	-105.36	0.0	-377.01	-10.71	-37.57	-5.61	69.68	79.85
		-160.04	-72.48	-3.92e-04	0.0	378.4	-377.01	-116.07	-37.57	-5.61	-72.48	-160.04
317	2	219.43	109.25	-5.64e-05	-105.36	0.0	-410.88	-72.88	-59.42	-59.58	109.25	219.43
		-255.71	-115.59	-3.82e-04	0.0	378.4	-410.88	-178.25	-59.42	-59.58	-115.59	-255.71
317	3	97.21	71.92	-3.45e-05	-105.36	0.0	-384.54	-9.24	-38.24	-11.73	71.92	97.21
		-137.09	-72.80	-4.01e-04	0.0	378.4	-384.54	-114.60	-38.24	-11.73	-72.80	-137.09
317	4	98.62	77.57	-3.45e-05	-105.36	0.0	-371.69	-9.25	-41.88	-10.47	77.57	98.62
		-135.73	-80.89	-7.88e-05	0.0	378.4	-371.69	-114.61	-41.88	-10.47	-80.89	-135.73
317	5	88.48	76.84	-3.38e-05	-105.36	0.0	-368.45	-6.67	-42.04	-9.11	76.84	88.48
		-136.11	-82.23	-6.69e-05	0.0	378.4	-368.45	-112.03	-42.04	-9.11	-82.23	-136.11
317	6	79.80	74.16	-3.20e-05	-105.36	0.0	-367.30	-1.59	-40.49	-5.70	74.16	79.80
		-125.56	-79.06	-5.69e-05	0.0	378.4	-367.30	-106.95	-40.49	-5.70	-79.06	-125.56
317	7	69.79	70.61	-2.89e-05	-105.36	0.0	-365.84	4.30	-38.37	-0.69	70.61	69.55
		-113.51	-74.56	-6.32e-05	0.0	378.4	-365.84	-101.06	-38.37	-0.69	-74.56	-113.51
317	8	72.74	54.98	-2.67e-05	-78.05	0.0	-297.39	-8.13	-29.24	-9.24	54.98	72.74
		-105.67	-55.68	-3.47e-04	0.0	378.4	-297.39	-86.17	-29.24	-9.24	-55.68	-105.67
317	9	59.74	50.13	-4.34e-05	-78.05	0.0	-266.01	-5.45	-26.99	-3.95	50.13	59.74
		-108.56	-52.01	-2.10e-04	0.0	378.4	-266.01	-83.50	-26.99	-3.95	-52.01	-108.56
317	10	69.38	51.38	-2.40e-05	-78.05	0.0	-270.19	-4.63	-27.37	-7.35	51.38	69.38
		-95.82	-52.18	-2.15e-04	0.0	378.4	-270.19	-82.68	-27.37	-7.35	-52.18	-95.82
317	11	59.71	52.63	-2.27e-05	-78.05	0.0	-260.62	-0.38	-28.62	-4.00	52.63	59.71

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318	1	-89.41	-55.66	-4.26e-05	0.0	378.4	-260.62	-78.43	-28.62	-4.00	-55.66	-89.41
		20.95	92.31	-1.39e-04	-275.63	0.0	-405.91	73.93	-50.65	-8.66	92.31	-16.39
		-258.13	-99.33	-3.48e-04	0.0	378.4	-405.91	-201.70	-50.65	-8.66	-99.33	-258.13
318	2	134.74	130.79	-9.96e-05	-105.36	0.0	-480.67	-57.63	-68.51	-61.14	130.79	134.74
		-282.67	-128.47	-3.32e-04	0.0	378.4	-480.67	-162.99	-68.51	-61.14	-128.47	-282.67
318	3	16.91	87.68	-7.37e-05	-105.36	0.0	-420.75	9.02	-46.66	0.43	87.68	15.55
		-149.65	-88.88	-3.44e-04	0.0	378.4	-420.75	-96.34	-46.66	0.43	-88.88	-149.65
318	4	20.01	84.51	-7.17e-05	-105.36	0.0	-451.22	6.35	-44.91	-4.80	84.51	19.28
		-156.05	-85.44	-8.13e-05	0.0	378.4	-451.22	-99.02	-44.91	-4.80	-85.44	-156.05
318	5	31.32	90.37	-7.86e-05	-105.36	0.0	-439.82	-5.25	-48.84	-15.77	90.37	31.32
		-187.90	-94.43	-6.90e-05	0.0	378.4	-439.82	-110.61	-48.84	-15.77	-94.43	-187.90
318	6	23.95	89.60	-7.85e-05	-105.36	0.0	-432.65	-3.76	-49.06	-12.98	89.60	23.95
		-189.64	-96.06	-5.92e-05	0.0	378.4	-432.65	-109.12	-49.06	-12.98	-96.06	-189.64
318	7	8.79	82.11	-7.14e-05	-105.36	0.0	-432.53	7.99	-44.60	-2.77	82.11	7.68
		-161.42	-86.66	-6.41e-05	0.0	378.4	-432.53	-97.37	-44.60	-2.77	-86.66	-161.42
318	8	14.81	68.04	-5.85e-05	-78.05	0.0	-321.67	4.75	-36.16	0.35	68.04	14.27
		-115.41	-68.81	-2.99e-04	0.0	378.4	-321.67	-73.29	-36.16	0.35	-68.81	-115.41
318	9	11.94	63.85	-8.74e-05	-172.64	0.0	-293.60	44.68	-34.93	-4.96	63.85	-9.91
		-167.48	-68.33	-1.85e-04	0.0	378.4	-293.60	-127.96	-34.93	-4.96	-68.33	-167.48
318	10	9.61	61.28	-5.10e-05	-78.05	0.0	-301.84	8.62	-32.72	0.09	61.28	7.84
		-107.21	-62.52	-1.83e-04	0.0	378.4	-301.84	-69.43	-32.72	0.09	-62.52	-107.21
318	11	12.50	62.34	-5.36e-05	-78.05	0.0	-308.45	1.52	-34.05	-7.36	62.34	12.50
		-129.43	-66.51	-4.40e-05	0.0	378.4	-308.45	-76.53	-34.05	-7.36	-66.51	-129.43
319	1	65.93	115.12	-2.31e-04	-445.94	0.0	-419.91	178.48	-65.45	-39.11	115.12	-68.69
		-237.03	-132.55	-3.86e-04	0.0	378.4	-419.91	-267.46	-65.45	-39.11	-132.55	-237.03
319	2	97.65	116.35	-1.38e-04	-105.36	0.0	-578.25	56.25	-59.40	-34.09	116.35	41.01
		41.01	-108.44	-3.41e-04	0.0	378.4	-578.25	-49.12	-59.40	-34.09	-108.44	54.50
319	3	73.99	100.77	-1.16e-04	-105.36	0.0	-439.80	80.17	-57.41	-12.49	100.77	-41.41
		-41.41	-116.46	-3.66e-04	0.0	378.4	-439.80	-25.19	-57.41	-12.49	-116.46	62.61
319	4	69.84	94.63	-1.13e-04	-105.36	0.0	-522.23	74.65	-53.15	-18.04	94.63	-30.14
		-30.14	-106.49	-6.38e-05	0.0	378.4	-522.23	-30.71	-53.15	-18.04	-106.49	52.99
319	5	65.11	103.89	-1.23e-04	-105.36	0.0	-510.95	57.47	-57.50	-34.73	103.89	5.85
		5.85	-113.68	-5.43e-05	0.0	378.4	-510.95	-47.89	-57.50	-34.73	-113.68	23.99
319	6	56.92	110.53	-1.31e-04	-105.36	0.0	-489.51	49.50	-62.07	-45.87	110.53	13.10
		1.06	-124.37	6.46e-05	0.0	378.4	-489.51	-55.86	-62.07	-45.87	-124.37	1.06
319	7	60.68	99.22	-1.19e-04	-105.36	0.0	-486.73	65.27	-56.01	-28.63	99.22	-15.82
		-15.82	-112.71	5.70e-05	0.0	378.4	-486.73	-40.09	-56.01	-28.63	-112.71	31.83
319	8	59.23	78.23	-9.23e-05	-78.05	0.0	-332.73	61.84	-44.66	-9.24	78.23	-33.41
		-33.41	-90.75	-3.16e-04	0.0	378.4	-332.73	-16.21	-44.66	-9.24	-90.75	52.93
319	9	44.24	78.68	-1.45e-04	-267.26	0.0	-310.62	110.32	-44.61	-25.09	78.68	-41.61
		-129.82	-90.15	-2.10e-04	0.0	378.4	-310.62	-156.94	-44.61	-25.09	-90.15	-129.82
319	10	48.66	70.70	-8.17e-05	-78.05	0.0	-321.67	55.70	-40.15	-10.29	70.70	-26.45
		-26.45	-81.21	-1.99e-04	0.0	378.4	-321.67	-22.35	-40.15	-10.29	-81.21	36.65
319	11	40.06	76.12	-8.98e-05	-78.05	0.0	-349.29	38.66	-42.74	-28.84	76.12	3.83
		2.45	-85.60	4.36e-05	0.0	378.4	-349.29	-39.39	-42.74	-28.84	-85.60	2.45
320	1	129.08	145.04	-4.59e-04	-1127.05	0.0	-537.60	70.58	-40.12	-129.31	145.04	120.72
		-1744.60	-324.69	-5.00e-04	-168.02	378.4	-598.73	-1056.47	-208.15	-129.31	-324.69	-1744.60
320	2	216.75	162.20	-3.77e-04	-105.36	0.0	-729.48	-365.83	-105.28	-45.82	162.20	216.75
		-1366.91	-236.20	-3.96e-04	0.0	378.4	-729.48	-471.19	-105.28	-45.82	-236.20	-1366.91
320	3	325.70	179.55	-3.89e-04	-105.36	0.0	-542.40	-457.01	-115.42	-92.61	179.55	325.70
		-1602.98	-257.20	-5.01e-04	0.0	378.4	-542.40	-562.37	-115.42	-92.61	-257.20	-1602.98
320	4	330.95	186.01	-3.83e-04	-105.36	0.0	-580.30	-457.12	-118.90	-89.30	186.01	330.95
		-1598.13	-263.93	1.89e-04	0.0	378.4	-580.30	-562.48	-118.90	-89.30	-263.93	-1598.13
320	5	347.75	189.85	-3.88e-04	-105.36	0.0	-586.40	-461.39	-120.22	-94.68	189.85	347.75
		-1597.51	-265.06	1.78e-04	0.0	378.4	-586.40	-566.75	-120.22	-94.68	-265.06	-1597.51
320	6	399.58	202.06	-4.10e-04	-105.36	0.0	-569.51	-501.35	-126.76	-114.77	202.06	399.58
		-1696.89	-277.61	1.63e-04	0.0	378.4	-569.51	-606.71	-126.76	-114.77	-277.61	-1696.89
320	7	358.83	190.21	-3.91e-04	-105.36	0.0	-553.49	-473.09	-120.72	-100.36	190.21	358.83
		-1630.69	-266.59	1.65e-04	0.0	378.4	-553.49	-578.45	-120.72	-100.36	-266.59	-1630.69
320	8	256.05	139.41	-3.08e-04	-78.05	0.0	-415.50	-361.53	-89.83	-73.01	139.41	256.05
		-1259.67	-200.53	-4.27e-04	0.0	378.4	-415.50	-439.58	-89.83	-73.01	-200.53	-1259.67
320	9	113.10	107.71	-3.09e-04	-645.65	0.0	-385.33	-21.75	-39.39	-84.75	107.71	113.10
		-1190.76	-217.97	-2.81e-04	-93.35	378.4	-419.29	-667.40	-132.74	-84.75	-217.97	-1190.76
320	10	226.98	126.89	-2.71e-04	-78.05	0.0	-388.00	-314.85	-81.23	-64.36	126.89	226.98
		-1112.08	-180.48	-2.81e-04	0.0	378.4	-388.00	-392.89	-81.23	-64.36	-180.48	-1112.08
320	11	268.03	139.39	-2.83e-04	-78.05	0.0	-403.06	-339.48	-87.53	-76.68	139.39	268.03
		-1164.26	-191.82	1.15e-04	0.0	378.4	-403.06	-417.53	-87.53	-76.68	-191.82	-1164.26
321	1	0.0	0.0	-4.22e-04	-31.28	0.0	0.0	31.28	0.0	-1.05e-05	0.0	-17.58
		-17.58	0.0	-6.05e-04	0.0	112.4	0.0	0.0	0.0	-1.05e-05	0.0	0.0
321	2	0.0	0.0	-4.13e-04	-31.28	0.0	0.0	31.28	0.0	-1.05e-05	0.0	-17.58
		-17.58	0.0	-5.27e-04	0.0	112.4	0.0	0.0	0.0	-1.05e-05	0.0	0.0
321	3	0.0	0.0	-4.60e-04	-31.28	0.0	0.0	31.28	0.0	-1.05e-05	0.0	-17.58

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		-17.58	0.0	-5.91e-04	0.0	112.4	0.0	0.0	0.0	-1.05e-05	0.0	0.0
321	4	0.0	0.0	-4.56e-04	-31.28	0.0	0.0	31.28	0.0	-1.05e-05	0.0	-17.58
		-17.58	0.0	-4.53e-04	0.0	112.4	0.0	0.0	0.0	-1.05e-05	0.0	0.0
321	5	0.0	0.0	-4.55e-04	-31.28	0.0	0.0	31.28	0.0	-1.05e-05	0.0	-17.58
		-17.58	0.0	-4.54e-04	0.0	112.4	0.0	0.0	0.0	-1.05e-05	0.0	0.0
321	6	0.0	0.0	-4.80e-04	-31.28	0.0	0.0	31.28	0.0	-1.05e-05	0.0	-17.58
		-17.58	0.0	-4.80e-04	0.0	112.4	0.0	0.0	0.0	-1.05e-05	0.0	0.0
321	7	0.0	0.0	-4.63e-04	-31.28	0.0	0.0	31.28	0.0	-1.05e-05	0.0	-17.58
		-17.58	0.0	-4.64e-04	0.0	112.4	0.0	0.0	0.0	-1.05e-05	0.0	0.0
321	8	0.0	0.0	-3.62e-04	-23.17	0.0	0.0	23.17	0.0	-7.81e-06	0.0	-13.02
		-13.02	0.0	-4.72e-04	0.0	112.4	0.0	0.0	0.0	-7.81e-06	0.0	0.0
321	9	0.0	0.0	-2.98e-04	-23.17	0.0	0.0	23.17	0.0	-7.81e-06	0.0	-13.02
		-13.02	0.0	-4.00e-04	0.0	112.4	0.0	0.0	0.0	-7.81e-06	0.0	0.0
321	10	0.0	0.0	-3.19e-04	-23.17	0.0	0.0	23.17	0.0	-7.81e-06	0.0	-13.02
		-13.02	0.0	-3.93e-04	0.0	112.4	0.0	0.0	0.0	-7.81e-06	0.0	0.0
321	11	0.0	0.0	-3.30e-04	-23.17	0.0	0.0	23.17	0.0	-7.81e-06	0.0	-13.02
		-13.02	0.0	-3.31e-04	0.0	112.4	0.0	0.0	0.0	-7.81e-06	0.0	0.0
322	1	0.0	0.0	-5.35e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-4.70e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
322	2	0.0	0.0	-4.64e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	3.10e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
322	3	0.0	0.0	-5.02e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	2.00e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
322	4	0.0	0.0	-5.02e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-4.69e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
322	5	0.0	0.0	-5.03e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-4.75e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
322	6	0.0	0.0	-5.35e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-4.99e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
322	7	0.0	0.0	-5.16e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-4.73e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
322	8	0.0	0.0	-3.93e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	1.39e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
322	9	0.0	0.0	-3.68e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-3.27e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
322	10	0.0	0.0	-3.50e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	1.76e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
322	11	0.0	0.0	-3.68e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-3.42e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
323	1	366.12	272.29	-5.17e-04	-105.36	0.0	-535.57	618.92	-124.39	-107.28	272.29	-1776.54
		-1776.54	-198.39	-2.04e-04	0.0	378.4	-535.57	513.56	-124.39	-107.28	-198.39	366.12
323	2	189.33	240.77	-4.72e-04	-105.36	0.0	-758.72	485.80	-108.19	-40.12	240.77	-1449.60
		-1449.60	-168.63	3.49e-04	0.0	378.4	-758.72	380.44	-108.19	-40.12	-168.63	189.33
323	3	315.28	259.27	-4.50e-04	-105.36	0.0	-529.83	584.48	-116.84	-85.56	259.27	-1697.06
		-1697.06	-182.86	8.19e-04	0.0	378.4	-529.83	479.12	-116.84	-85.56	-182.86	315.28
323	4	319.74	261.97	-4.46e-04	-105.36	0.0	-545.14	588.07	-118.35	-87.93	261.97	-1706.19
		-1706.19	-185.87	-2.13e-04	0.0	378.4	-545.14	482.71	-118.35	-87.93	-185.87	319.74
323	5	320.19	261.97	-4.65e-04	-105.36	0.0	-567.94	582.93	-118.96	-88.93	261.97	-1686.28
		-1686.28	-188.18	-2.20e-04	0.0	378.4	-567.94	477.57	-118.96	-88.93	-188.18	320.19
323	6	368.42	273.99	-5.14e-04	-105.36	0.0	-549.72	620.95	-125.23	-107.86	273.99	-1781.93
		-1781.93	-199.90	-2.32e-04	0.0	378.4	-549.72	515.59	-125.23	-107.86	-199.90	368.42
323	7	332.10	263.25	-4.87e-04	-105.36	0.0	-535.74	594.97	-119.33	-94.05	263.25	-1719.94
		-1719.94	-188.30	-2.16e-04	0.0	378.4	-535.74	489.61	-119.33	-94.05	-188.30	332.10
323	8	250.41	202.50	-3.49e-04	-78.05	0.0	-406.07	457.79	-91.13	-67.46	202.50	-1334.23
		-1334.23	-142.33	6.99e-04	0.0	378.4	-406.07	379.75	-91.13	-67.46	-142.33	250.41
323	9	244.87	188.39	-3.56e-04	-78.05	0.0	-381.53	426.25	-86.02	-71.64	188.39	-1220.43
		-1220.43	-137.10	-1.42e-04	0.0	378.4	-381.53	348.21	-86.02	-71.64	-137.10	244.87
323	10	216.62	181.15	-3.19e-04	-78.05	0.0	-378.34	407.12	-81.82	-59.58	181.15	-1176.27
		-1176.27	-128.46	4.46e-04	0.0	378.4	-378.34	329.08	-81.82	-59.58	-128.46	216.62
323	11	246.15	189.34	-3.54e-04	-78.05	0.0	-389.39	427.38	-86.49	-71.97	189.34	-1223.42
		-1223.42	-137.93	-1.58e-04	0.0	378.4	-389.39	349.34	-86.49	-71.97	-137.93	246.15
324	1	51.43	122.75	-1.17e-04	-105.36	0.0	-458.69	88.96	-60.99	-42.12	122.75	-90.51
		-90.51	-108.04	-7.61e-05	0.0	378.4	-458.69	-16.40	-60.99	-42.12	-108.04	46.79
324	2	84.36	102.65	-1.18e-04	-105.36	0.0	-659.68	81.27	-57.34	-42.33	102.65	-34.14
		-34.14	-114.34	3.33e-04	0.0	378.4	-659.68	-24.10	-57.34	-42.33	-114.34	74.03
324	3	12.10	110.20	-5.05e-05	-105.36	0.0	-450.25	52.07	-53.85	-8.47	110.20	-36.59
		-38.88	-93.56	9.10e-04	0.0	378.4	-450.25	-53.29	-53.85	-8.47	-93.56	-38.88
324	4	23.80	109.27	-5.03e-05	-105.36	0.0	-501.31	62.13	-53.53	-13.45	109.27	-45.36
		-45.36	-93.31	-6.42e-05	0.0	378.4	-501.31	-43.23	-53.53	-13.45	-93.31	-9.62
324	5	53.47	114.03	-8.41e-05	-105.36	0.0	-505.20	81.20	-57.43	-32.30	114.03	-64.86
		-64.86	-103.28	-7.41e-05	0.0	378.4	-505.20	-24.16	-57.43	-32.30	-103.28	43.08
324	6	53.52	123.43	-1.14e-04	-105.36	0.0	-484.85	89.92	-61.38	-42.74	123.43	-91.58

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324	7	-91.58	-108.85	-8.66e-05	0.0	378.4	-484.85	-15.44	-61.38	-42.74	-108.85	49.33
		38.32	112.50	-9.63e-05	-105.36	0.0	-481.20	74.37	-55.65	-25.69	112.50	-60.92
		-60.92	-98.10	-6.91e-05	0.0	378.4	-481.20	-31.00	-55.65	-25.69	-98.10	21.14
324	8	8.36	85.34	-3.63e-05	-78.05	0.0	-342.03	36.63	-41.60	-6.10	85.34	-24.02
		-33.09	-72.09	7.72e-04	0.0	378.4	-342.03	-41.42	-41.60	-6.10	-72.09	-33.09
324	9	33.13	84.78	-7.88e-05	-78.05	0.0	-331.23	62.64	-42.14	-26.30	84.78	-61.97
		-61.97	-74.67	-5.09e-05	0.0	378.4	-331.23	-15.41	-42.14	-26.30	-74.67	27.38
324	10	10.97	77.82	-4.17e-05	-78.05	0.0	-326.54	42.14	-38.17	-7.61	77.82	-32.01
		-32.01	-66.62	5.05e-04	0.0	378.4	-326.54	-35.90	-38.17	-7.61	-66.62	-20.21
324	11	34.16	85.16	-7.69e-05	-78.05	0.0	-345.76	63.17	-42.36	-26.65	85.16	-62.57
		-62.57	-75.11	-5.68e-05	0.0	378.4	-345.76	-14.88	-42.36	-26.65	-75.11	28.80
325	1	-8.14	64.86	-9.21e-05	-105.36	0.0	-925.36	50.32	-35.36	44.38	64.86	-53.50
		-62.45	-68.92	-4.01e-05	0.0	378.4	-925.36	-55.05	-35.36	44.38	-68.92	-62.45
325	2	9.52	72.51	-8.81e-05	-105.36	0.0	-917.89	33.71	-38.59	26.95	72.51	-10.87
		-82.67	-73.51	-6.95e-05	0.0	378.4	-917.89	-71.66	-38.59	26.95	-73.51	-82.67
325	3	0.16	74.63	-4.51e-05	-105.36	0.0	-902.35	22.58	-40.95	21.44	74.63	-8.85
		-122.75	-80.32	-1.11e-04	0.0	378.4	-902.35	-82.78	-40.95	21.44	-80.32	-122.75
325	4	-11.98	73.48	1.04e-05	-105.36	0.0	-907.94	18.94	-40.16	23.30	73.48	-18.41
		-146.07	-78.48	3.92e-04	0.0	378.4	-907.94	-86.42	-40.16	23.30	-78.48	-146.07
325	5	111.91	119.27	-4.72e-05	-105.36	0.0	-1000.15	-42.10	-63.81	-46.24	119.27	111.91
		-246.73	-122.18	4.71e-04	0.0	378.4	-1000.15	-147.46	-63.81	-46.24	-122.18	-246.73
325	6	-9.31	62.38	-8.77e-05	-105.36	0.0	-939.72	50.70	-33.74	44.37	62.38	-55.40
		-62.88	-65.31	3.67e-04	0.0	378.4	-939.72	-54.66	-33.74	44.37	-65.31	-62.88
325	7	-4.38	70.25	-7.17e-05	-105.36	0.0	-892.14	37.09	-38.37	29.53	70.25	-28.98
		-87.98	-74.95	-8.53e-05	0.0	378.4	-892.14	-68.27	-38.37	29.53	-74.95	-87.98
325	8	0.54	57.18	-3.37e-05	-78.05	0.0	-695.73	15.22	-31.49	17.27	57.18	-5.07
		-95.13	-61.98	-8.06e-05	0.0	378.4	-695.73	-62.82	-31.49	17.27	-61.98	-95.13
325	9	-5.09	47.54	-6.10e-05	-78.05	0.0	-651.35	34.72	-25.82	27.69	47.54	-34.31
		-50.59	-50.17	-4.18e-05	0.0	378.4	-651.35	-43.32	-25.82	27.69	-50.17	-50.59
325	10	-0.46	52.97	-3.49e-05	-78.05	0.0	-638.57	19.31	-28.93	14.94	52.97	-9.51
		-84.09	-56.50	-8.10e-05	0.0	378.4	-638.57	-58.73	-28.93	14.94	-56.50	-84.09
325	11	-5.79	46.16	-5.85e-05	-78.05	0.0	-659.33	34.94	-24.93	27.68	46.16	-35.37
		-50.83	-48.16	2.23e-04	0.0	378.4	-659.33	-43.11	-24.93	27.68	-48.16	-50.83
326	1	127.78	-0.85	-2.85e-04	-105.36	0.0	-834.34	286.75	4.82	137.39	-19.10	-757.93
		-757.93	-19.10	-2.18e-04	0.0	378.4	-834.34	181.38	4.82	137.39	-0.85	127.78
326	2	102.03	-10.55	-2.63e-04	-105.36	0.0	-818.11	271.77	-0.13	120.96	-10.55	-726.99
		-726.99	-11.04	-2.42e-04	0.0	378.4	-818.11	166.40	-0.13	120.96	-11.04	102.03
326	3	111.59	-9.23	-2.35e-04	-105.36	0.0	-807.66	279.30	1.24	126.95	-13.94	-745.95
		-745.95	-13.94	-2.73e-04	0.0	378.4	-807.66	173.94	1.24	126.95	-9.23	111.59
326	4	106.93	-8.74	-2.20e-04	-105.36	0.0	-808.34	278.57	1.49	127.67	-14.39	-747.83
		-747.83	-14.39	5.54e-04	0.0	378.4	-808.34	173.20	1.49	127.67	-8.74	106.93
326	5	-4.51	19.73	-2.37e-04	-105.36	0.0	-844.02	218.53	-18.18	77.78	19.73	-632.11
		-632.11	-49.06	6.39e-04	0.0	378.4	-844.02	113.17	-18.18	77.78	-49.06	-632.11
326	6	127.14	-0.79	-2.82e-04	-105.36	0.0	-834.23	285.86	4.79	136.84	-18.89	-755.20
		-755.20	-18.89	5.40e-04	0.0	378.4	-834.23	180.49	4.79	136.84	-0.79	127.14
326	7	112.63	-5.85	-2.66e-04	-105.36	0.0	-806.23	281.52	2.81	130.70	-16.48	-753.31
		-753.31	-16.48	-2.52e-04	0.0	378.4	-806.23	176.16	2.81	130.70	-5.85	112.63
326	8	95.27	-5.75	-1.84e-04	-78.05	0.0	-625.82	222.68	1.92	102.04	-13.03	-599.70
		-599.70	-13.03	-2.04e-04	0.0	378.4	-625.82	144.63	1.92	102.04	-5.75	95.27
326	9	78.29	-3.11	-1.93e-04	-78.05	0.0	-583.63	194.35	1.95	91.56	-10.48	-509.48
		-509.48	-10.48	-1.67e-04	0.0	378.4	-583.63	116.31	1.95	91.56	-3.11	78.29
326	10	69.30	-7.62	-1.65e-04	-78.05	0.0	-568.81	190.22	-0.04	85.76	-7.62	-502.83
		-502.83	-7.77	-1.98e-04	0.0	378.4	-568.81	112.17	-0.04	85.76	-7.77	69.30
326	11	77.93	-3.07	-1.92e-04	-78.05	0.0	-583.57	193.86	1.93	91.26	-10.37	-507.97
		-507.97	-10.37	3.46e-04	0.0	378.4	-583.57	115.81	1.93	91.26	-3.07	77.93
327	1	0.0	0.0	-2.36e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-1.31e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
327	2	0.0	0.0	-2.26e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-2.95e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
327	3	0.0	0.0	-2.21e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-3.20e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
327	4	0.0	0.0	-2.17e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	1.15e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
327	5	0.0	0.0	-2.08e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	1.77e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
327	6	0.0	0.0	-2.35e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	1.09e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
327	7	0.0	0.0	-2.31e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-2.34e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
327	8	0.0	0.0	-1.76e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-1.87e-05	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
327	9	0.0	0.0	-1.59e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0

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327	10	-13.02	0.0	-1.79e-05	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
		0.0	0.0	-1.51e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-2.84e-05	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
327	11	0.0	0.0	-1.59e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	7.13e-05	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
328	1	1.86	89.26	-4.82e-05	-105.36	0.0	-605.58	29.74	-48.63	16.39	89.26	-13.84
		-100.64	-94.76	4.33e-05	0.0	378.4	-605.58	-75.62	-48.63	16.39	-94.76	-100.64
328	2	11.77	91.29	-5.68e-05	-105.36	0.0	-608.32	28.50	-48.90	13.55	91.29	-2.73
		-94.25	-93.74	-3.78e-05	0.0	378.4	-608.32	-76.87	-48.90	13.55	-93.74	-94.25
328	3	25.19	103.65	-9.64e-06	-105.36	0.0	-529.87	14.93	-55.88	-8.91	103.65	21.25
		-121.60	-107.79	-5.15e-05	0.0	378.4	-529.87	-90.43	-55.88	-8.91	-107.79	-121.60
328	4	64.69	103.99	-5.57e-05	-445.94	0.0	-495.45	139.59	-55.90	-6.23	103.99	-17.98
		-333.49	-107.54	3.16e-04	0.0	378.4	-495.45	-306.35	-55.90	-6.23	-107.54	-333.49
328	5	119.66	132.66	-2.79e-05	-105.36	0.0	-585.87	-11.81	-65.66	-42.79	132.66	119.66
		-124.37	-115.79	-3.62e-04	0.0	378.4	-585.87	-117.17	-65.66	-42.79	-115.79	-124.37
328	6	1.31	92.24	-4.23e-05	-105.36	0.0	-485.80	32.71	-50.81	17.57	92.24	-17.89
		-93.48	-100.04	2.95e-04	0.0	378.4	-485.80	-72.66	-50.81	17.57	-100.04	-93.48
328	7	20.12	94.64	-3.36e-05	-105.36	0.0	-581.33	18.35	-51.03	3.25	94.64	14.11
		-115.78	-98.44	-4.44e-05	0.0	378.4	-581.33	-87.01	-51.03	3.25	-98.44	-115.78
328	8	19.26	80.14	-9.96e-06	-78.05	0.0	-402.93	10.01	-43.23	-7.28	80.14	16.83
		-92.94	-83.44	-3.89e-05	0.0	378.4	-402.93	-68.03	-43.23	-7.28	-83.44	-92.94
328	9	4.91	64.60	-3.09e-05	-78.05	0.0	-427.23	20.62	-35.08	8.99	64.60	-5.37
		-75.01	-68.15	2.83e-05	0.0	378.4	-427.23	-57.43	-35.08	8.99	-68.15	-75.01
328	10	17.72	72.59	2.66e-06	-78.05	0.0	-385.17	12.39	-39.11	-5.06	72.59	14.12
		-86.65	-75.38	-3.75e-05	0.0	378.4	-385.17	-65.65	-39.11	-5.06	-75.38	-86.65
328	11	4.29	66.26	-2.76e-05	-78.05	0.0	-360.68	22.27	-36.29	9.65	66.26	-7.62
		-71.03	-71.08	1.73e-04	0.0	378.4	-360.68	-55.78	-36.29	9.65	-71.08	-71.03
329	1	40.73	99.32	-8.35e-05	-105.36	0.0	-364.52	106.55	-50.41	-10.18	99.32	-163.11
		-163.11	-91.44	-1.09e-04	0.0	378.4	-364.52	1.19	-50.41	-10.18	-91.44	40.73
329	2	172.71	128.73	-9.84e-05	-105.36	0.0	-576.51	168.97	-69.26	-76.52	128.73	-267.32
		-267.32	-133.36	3.28e-04	0.0	378.4	-576.51	63.61	-69.26	-76.52	-133.36	172.71
329	3	-16.45	73.48	-3.03e-05	-275.63	0.0	-747.88	139.62	-38.87	13.51	73.48	-150.25
		-150.25	-73.62	8.94e-04	0.0	378.4	-747.88	-136.00	-38.87	13.51	-73.62	-143.39
329	4	31.37	84.61	-2.21e-05	-105.36	0.0	-427.17	90.50	-43.54	10.12	84.61	-115.66
		-115.66	-80.17	-7.51e-05	0.0	378.4	-427.17	-14.86	-43.54	10.12	-80.17	27.46
329	5	58.62	98.71	-7.00e-05	-105.36	0.0	-388.68	109.65	-50.71	-14.27	98.71	-156.94
		-156.94	-93.18	-4.92e-05	0.0	378.4	-388.68	4.28	-50.71	-14.27	-93.18	58.62
329	6	44.36	100.87	-8.38e-05	-105.36	0.0	-356.78	107.26	-51.12	-10.37	100.87	-162.16
		-162.16	-92.57	-5.34e-05	0.0	378.4	-356.78	1.90	-51.12	-10.37	-92.57	44.36
329	7	27.00	91.40	-7.02e-05	-105.36	0.0	-366.03	95.01	-46.64	-6.05e-03	91.40	-134.96
		-134.96	-85.09	-7.09e-05	0.0	378.4	-366.03	-10.35	-46.64	-6.05e-03	-85.09	25.22
329	8	-14.68	55.36	-3.04e-05	-223.09	0.0	-602.23	110.05	-29.40	11.21	55.36	-117.39
		-123.02	-55.88	7.54e-04	0.0	378.4	-602.23	-113.03	-29.40	11.21	-55.88	-123.02
329	9	25.34	69.01	-5.59e-05	-78.05	0.0	-263.32	74.98	-35.09	-5.32	69.01	-110.87
		-110.87	-63.77	-7.39e-05	0.0	378.4	-263.32	-3.07	-35.09	-5.32	-63.77	25.19
329	10	-8.37	54.65	-7.26e-06	-172.64	0.0	-476.29	93.36	-28.68	7.84	54.65	-103.73
		-103.73	-53.87	5.05e-04	0.0	378.4	-476.29	-79.28	-28.68	7.84	-53.87	-77.10
329	11	27.26	69.87	-5.61e-05	-78.05	0.0	-259.02	75.37	-35.48	-5.42	69.87	-110.34
		-110.34	-64.40	-3.67e-05	0.0	378.4	-259.02	-2.67	-35.48	-5.42	-64.40	27.21
330	1	0.0	0.0	-2.24e-05	-31.28	0.0	0.0	31.28	0.0	-3.60e-06	0.0	-17.58
		-17.58	0.0	7.92e-05	0.0	112.4	0.0	0.0	0.0	-3.60e-06	0.0	0.0
330	2	0.0	0.0	-2.33e-05	-31.28	0.0	0.0	31.28	0.0	-3.60e-06	0.0	-17.58
		-17.58	0.0	8.04e-05	0.0	112.4	0.0	0.0	0.0	-3.60e-06	0.0	0.0
330	3	0.0	0.0	-2.84e-05	-31.28	0.0	0.0	31.28	0.0	-3.60e-06	0.0	-17.58
		-17.58	0.0	8.80e-05	0.0	112.4	0.0	0.0	0.0	-3.60e-06	0.0	0.0
330	4	0.0	0.0	-2.81e-05	-31.28	0.0	0.0	31.28	0.0	-3.60e-06	0.0	-17.58
		-17.58	0.0	1.69e-04	0.0	112.4	0.0	0.0	0.0	-3.60e-06	0.0	0.0
330	5	0.0	0.0	-4.75e-05	-31.28	0.0	0.0	31.28	0.0	-3.60e-06	0.0	-17.58
		-17.58	0.0	2.09e-04	0.0	112.4	0.0	0.0	0.0	-3.60e-06	0.0	0.0
330	6	0.0	0.0	-2.40e-05	-31.28	0.0	0.0	31.28	0.0	-3.60e-06	0.0	-17.58
		-17.58	0.0	1.73e-04	0.0	112.4	0.0	0.0	0.0	-3.60e-06	0.0	0.0
330	7	0.0	0.0	-2.20e-05	-31.28	0.0	0.0	31.28	0.0	-3.60e-06	0.0	-17.58
		-17.58	0.0	7.77e-05	0.0	112.4	0.0	0.0	0.0	-3.60e-06	0.0	0.0
330	8	0.0	0.0	-2.11e-05	-23.17	0.0	0.0	23.17	0.0	-2.67e-06	0.0	-13.02
		-13.02	0.0	6.70e-05	0.0	112.4	0.0	0.0	0.0	-2.67e-06	0.0	0.0
330	9	0.0	0.0	-1.73e-05	-23.17	0.0	0.0	23.17	0.0	-2.67e-06	0.0	-13.02
		-13.02	0.0	5.75e-05	0.0	112.4	0.0	0.0	0.0	-2.67e-06	0.0	0.0
330	10	0.0	0.0	-2.06e-05	-23.17	0.0	0.0	23.17	0.0	-2.67e-06	0.0	-13.02
		-13.02	0.0	6.23e-05	0.0	112.4	0.0	0.0	0.0	-2.67e-06	0.0	0.0
330	11	0.0	0.0	-1.82e-05	-23.17	0.0	0.0	23.17	0.0	-2.67e-06	0.0	-13.02
		-13.02	0.0	1.10e-04	0.0	112.4	0.0	0.0	0.0	-2.67e-06	0.0	0.0
331	1	0.0	0.0	-1.62e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		-17.58	0.0	3.01e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
331	2	0.0	0.0	-1.59e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	3.00e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
331	3	0.0	0.0	-1.56e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	2.99e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
331	4	0.0	0.0	-1.54e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	2.16e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
331	5	0.0	0.0	-1.27e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	2.24e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
331	6	0.0	0.0	-1.56e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	2.97e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
331	7	0.0	0.0	-1.65e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	2.95e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
331	8	0.0	0.0	-1.21e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	2.31e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
331	9	0.0	0.0	-1.14e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	2.12e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
331	10	0.0	0.0	-1.11e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	2.11e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
331	11	0.0	0.0	-1.11e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	2.10e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
332	1	0.0	0.0	-2.25e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	2.25e-05	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
332	2	0.0	0.0	-2.15e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	3.78e-05	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
332	3	0.0	0.0	-2.18e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	3.46e-05	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
332	4	0.0	0.0	-2.17e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	4.43e-05	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
332	5	0.0	0.0	-1.79e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	6.66e-05	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
332	6	0.0	0.0	-1.62e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	9.56e-06	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
332	7	0.0	0.0	-2.22e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	1.61e-05	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
332	8	0.0	0.0	-1.73e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	2.21e-05	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
332	9	0.0	0.0	-1.53e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	2.13e-05	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
332	10	0.0	0.0	-1.49e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	2.80e-05	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
332	11	0.0	0.0	-1.18e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	1.41e-05	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
333	1	325.37	256.77	-3.69e-04	-105.36	0.0	-556.40	558.08	-116.97	-103.02	256.77	-1587.07
		-1587.07	-185.87	1.19e-04	0.0	378.4	-556.40	452.72	-116.97	-103.02	-185.87	325.37
333	2	281.39	245.66	-3.42e-04	-105.36	0.0	-575.94	522.82	-111.17	-84.93	245.66	-1497.62
		-1497.62	-175.03	-1.08e-04	0.0	378.4	-575.94	417.45	-111.17	-84.93	-175.03	281.39
333	3	276.85	246.03	-3.43e-04	-105.36	0.0	-552.69	525.72	-110.79	-84.29	246.03	-1513.13
		-1513.13	-173.20	1.11e-04	0.0	378.4	-552.69	420.36	-110.79	-84.29	-173.20	276.85
333	4	273.68	241.10	-3.47e-04	-105.36	0.0	-524.65	525.93	-108.28	-86.91	241.10	-1517.10
		-1517.10	-168.61	4.25e-04	0.0	378.4	-524.65	420.57	-108.28	-86.91	-168.61	273.68
333	5	144.12	228.59	-2.99e-04	-105.36	0.0	-722.28	445.31	-99.79	-28.77	228.59	-1341.60
		-1341.60	-149.00	3.10e-04	0.0	378.4	-722.28	339.95	-99.79	-28.77	-149.00	144.12
333	6	78.87	303.84	-3.91e-04	-1127.05	0.0	-582.26	1010.59	-198.37	-117.88	303.84	-1634.59
		-1634.59	-128.90	4.74e-04	168.02	378.4	-521.13	-116.47	-30.35	-117.88	-128.90	57.10
333	7	289.86	246.96	-3.49e-04	-105.36	0.0	-541.85	533.28	-111.56	-90.19	246.96	-1528.75
		-1528.75	-175.20	1.19e-04	0.0	378.4	-541.85	427.92	-111.56	-90.19	-175.20	289.86
333	8	219.35	192.38	-2.70e-04	-78.05	0.0	-425.06	411.44	-86.52	-66.51	192.38	-1189.91
		-1189.91	-135.02	8.48e-05	0.0	378.4	-425.06	333.40	-86.52	-66.51	-135.02	219.35
333	9	217.39	177.46	-2.53e-04	-78.05	0.0	-394.04	384.34	-80.80	-68.87	177.46	-1089.31
		-1089.31	-128.29	8.36e-05	0.0	378.4	-394.04	306.30	-80.80	-68.87	-128.29	217.39
333	10	190.43	171.49	-2.39e-04	-78.05	0.0	-391.98	366.36	-77.36	-58.47	171.49	-1048.23
		-1048.23	-121.25	7.93e-05	0.0	378.4	-391.98	288.32	-77.36	-58.47	-121.25	190.43
333	11	68.35	203.61	-2.66e-04	-645.65	0.0	-408.40	635.73	-126.02	-77.13	203.61	-1115.71
		-1115.71	-96.64	2.81e-04	93.35	378.4	-374.44	-9.92	-32.67	-77.13	-96.64	68.35
334	1	-26.44	75.91	-7.43e-05	-105.36	0.0	-937.13	61.48	-38.56	45.49	75.91	-94.23
		-94.23	-69.99	6.40e-05	0.0	378.4	-937.13	-43.88	-38.56	45.49	-69.99	-60.94
334	2	-7.70	82.02	-6.17e-05	-105.36	0.0	-922.73	77.88	-42.52	28.42	82.02	-116.59
		-116.59	-78.90	8.20e-05	0.0	378.4	-922.73	-27.48	-42.52	28.42	-78.90	-21.24
334	3	-6.21	90.27	-5.45e-05	-105.36	0.0	-905.53	88.29	-46.08	18.31	90.27	-146.06
		-146.06	-84.10	8.87e-05	0.0	378.4	-905.53	-17.07	-46.08	18.31	-84.10	-11.31
334	4	-3.48	87.45	-5.51e-05	-105.36	0.0	-939.66	92.48	-44.49	10.78	87.45	-157.07

		-157.07	-80.92	1.22e-04	0.0	378.4	-939.66	-12.88	-44.49	10.78	-80.92	-6.46
334	5	100.72	94.18	-4.34e-05	-105.36	0.0	-1063.17	121.44	-54.28	-23.30	94.18	-159.45
		-159.45	-111.21	6.56e-05	0.0	378.4	-1063.17	16.07	-54.28	-23.30	-111.21	100.72
334	6	-24.10	75.76	-1.76e-04	-445.94	0.0	-952.70	189.08	-39.15	44.25	75.76	-175.63
		-303.88	-72.38	9.56e-05	0.0	378.4	-952.70	-256.86	-39.15	44.25	-72.38	-303.88
334	7	-19.20	82.13	-6.28e-05	-105.36	0.0	-901.11	75.93	-41.65	30.34	82.13	-122.58
		-122.58	-75.49	5.46e-05	0.0	378.4	-901.11	-29.43	-41.65	30.34	-75.49	-34.58
334	8	-3.03	69.66	-4.10e-05	-78.05	0.0	-698.29	67.11	-35.49	14.48	69.66	-112.16
		-112.16	-64.64	6.81e-05	0.0	378.4	-698.29	-10.94	-35.49	14.48	-64.64	-5.89
334	9	-17.76	55.37	-5.08e-05	-78.05	0.0	-658.67	47.94	-28.21	28.47	55.37	-73.45
		-73.45	-51.38	4.68e-05	0.0	378.4	-658.67	-30.11	-28.21	28.47	-51.38	-39.72
334	10	-6.55	63.35	-3.98e-05	-78.05	0.0	-641.12	62.83	-32.39	13.37	63.35	-102.25
		-102.25	-59.22	6.05e-05	0.0	378.4	-641.12	-15.21	-32.39	13.37	-59.22	-12.15
334	11	-18.74	55.29	-1.07e-04	-267.26	0.0	-667.32	118.83	-28.54	27.78	55.29	-118.67
		-174.69	-52.71	6.44e-05	0.0	378.4	-667.32	-148.43	-28.54	27.78	-52.71	-174.69
335	1	6.30e-03	1.13e-04	-0.03	-0.04	0.0	-1.04	0.02	-5.99e-05	1.19e-05	1.13e-04	-0.01
		-0.01	-1.14e-04	-4.37e-04	0.0	378.4	-1.04	-0.02	-5.99e-05	1.19e-05	-1.14e-04	-0.01
335	2	161.09	26.49	-798.07	-1021.73	0.0	29.25	510.86	84.01	-1.30e-05	-52.98	-322.19
		-322.19	-52.98	-131.24	-168.02	378.4	-31.87	-510.86	-84.01	-1.30e-05	-52.98	-322.19
335	3	6.30e-03	1.13e-04	-0.03	-0.04	0.0	-1.05	0.02	-5.98e-05	1.12e-05	1.13e-04	-0.01
		-0.01	-1.14e-04	-4.79e-04	0.0	378.4	-1.05	-0.02	-5.98e-05	1.12e-05	-1.14e-04	-0.01
335	4	6.30e-03	1.12e-04	-0.03	-0.04	0.0	-1.01	0.02	-5.96e-05	1.10e-05	1.12e-04	-0.01
		-0.01	-1.13e-04	-1.46e-04	0.0	378.4	-1.01	-0.02	-5.96e-05	1.10e-05	-1.13e-04	-0.01
335	5	6.30e-03	1.13e-04	-0.03	-0.04	0.0	-1.02	0.02	-5.99e-05	8.83e-06	1.13e-04	-0.01
		-0.01	-1.14e-04	-1.45e-04	0.0	378.4	-1.02	-0.02	-5.99e-05	8.83e-06	-1.14e-04	-0.01
335	6	6.30e-03	1.13e-04	-0.03	-0.04	0.0	-1.02	0.02	-5.98e-05	1.17e-05	1.13e-04	-0.01
		-0.01	-1.14e-04	-1.46e-04	0.0	378.4	-1.02	-0.02	-5.98e-05	1.17e-05	-1.14e-04	-0.01
335	7	6.30e-03	1.10e-04	-0.03	-0.04	0.0	-1.00	0.02	-5.84e-05	1.17e-05	1.10e-04	-0.01
		-0.01	-1.11e-04	-1.47e-04	0.0	378.4	-1.00	-0.02	-5.84e-05	1.17e-05	-1.11e-04	-0.01
335	8	4.66e-03	8.68e-05	-0.02	-0.03	0.0	-0.81	0.01	-4.61e-05	8.87e-06	8.68e-05	-9.38e-03
		-9.40e-03	-8.77e-05	-4.06e-04	0.0	378.4	-0.81	-0.01	-4.61e-05	8.87e-06	-8.77e-05	-9.40e-03
335	9	4.67e-03	7.97e-05	-0.02	-0.03	0.0	-0.73	0.01	-4.23e-05	8.16e-06	7.97e-05	-9.38e-03
		-9.39e-03	-8.05e-05	-2.48e-04	0.0	378.4	-0.73	-0.01	-4.23e-05	8.16e-06	-8.05e-05	-9.39e-03
335	10	4.67e-03	7.96e-05	-0.02	-0.03	0.0	-0.74	0.01	-4.23e-05	7.78e-06	7.96e-05	-9.38e-03
		-9.39e-03	-8.04e-05	-2.71e-04	0.0	378.4	-0.74	-0.01	-4.23e-05	7.78e-06	-8.04e-05	-9.39e-03
335	11	4.67e-03	7.96e-05	-0.02	-0.03	0.0	-0.72	0.01	-4.23e-05	8.02e-06	7.96e-05	-9.38e-03
		-9.39e-03	-8.05e-05	-1.04e-04	0.0	378.4	-0.72	-0.01	-4.23e-05	8.02e-06	-8.05e-05	-9.39e-03
336	1	6.24e-03	1.15e-04	-0.03	-0.04	0.0	-1.16	0.02	-5.97e-05	4.04e-05	1.15e-04	-0.01
		-0.01	-1.11e-04	-4.03e-04	0.0	378.4	-1.16	-0.02	-5.97e-05	4.04e-05	-1.11e-04	-0.01
336	2	6.23e-03	1.31e-04	-0.03	-0.04	0.0	-1.21	0.02	-6.84e-05	4.58e-05	1.31e-04	-0.01
		-0.01	-1.28e-04	-3.51e-04	0.0	378.4	-1.21	-0.02	-6.84e-05	4.58e-05	-1.28e-04	-0.01
336	3	6.24e-03	1.13e-04	-0.03	-0.04	0.0	-1.15	0.02	-5.88e-05	4.35e-05	1.13e-04	-0.01
		-0.01	-1.09e-04	-4.60e-04	0.0	378.4	-1.15	-0.02	-5.88e-05	4.35e-05	-1.09e-04	-0.01
336	4	6.24e-03	1.13e-04	-0.03	-0.04	0.0	-1.12	0.02	-5.87e-05	4.35e-05	1.13e-04	-0.01
		-0.01	-1.09e-04	-1.55e-04	0.0	378.4	-1.12	-0.02	-5.87e-05	4.35e-05	-1.09e-04	-0.01
336	5	6.24e-03	1.14e-04	-0.03	-0.04	0.0	-1.13	0.02	-5.92e-05	4.15e-05	1.14e-04	-0.01
		-0.01	-1.10e-04	-1.67e-04	0.0	378.4	-1.13	-0.02	-5.92e-05	4.15e-05	-1.10e-04	-0.01
336	6	6.24e-03	1.14e-04	-0.03	-0.04	0.0	-1.14	0.02	-5.96e-05	4.10e-05	1.14e-04	-0.01
		-0.01	-1.11e-04	-1.71e-04	0.0	378.4	-1.14	-0.02	-5.96e-05	4.10e-05	-1.11e-04	-0.01
336	7	6.24e-03	1.11e-04	-0.03	-0.04	0.0	-1.11	0.02	-5.78e-05	4.22e-05	1.11e-04	-0.01
		-0.01	-1.08e-04	-1.55e-04	0.0	378.4	-1.11	-0.02	-5.78e-05	4.22e-05	-1.08e-04	-0.01
336	8	4.61e-03	8.71e-05	-0.02	-0.03	0.0	-0.89	0.01	-4.54e-05	3.45e-05	8.71e-05	-9.44e-03
		-9.44e-03	-8.45e-05	-3.91e-04	0.0	378.4	-0.89	-0.01	-4.54e-05	3.45e-05	-8.45e-05	-9.43e-03
336	9	4.63e-03	8.07e-05	-0.02	-0.03	0.0	-0.82	0.01	-4.21e-05	2.80e-05	8.07e-05	-9.43e-03
		-9.43e-03	-7.85e-05	-2.27e-04	0.0	378.4	-0.82	-0.01	-4.21e-05	2.80e-05	-7.85e-05	-9.41e-03
336	10	4.62e-03	7.97e-05	-0.02	-0.03	0.0	-0.81	0.01	-4.15e-05	2.98e-05	7.97e-05	-9.43e-03
		-9.43e-03	-7.74e-05	-2.58e-04	0.0	378.4	-0.81	-0.01	-4.15e-05	2.98e-05	-7.74e-05	-9.42e-03
336	11	4.63e-03	8.06e-05	-0.02	-0.03	0.0	-0.81	0.01	-4.20e-05	2.84e-05	8.06e-05	-9.43e-03
		-9.43e-03	-7.83e-05	-1.16e-04	0.0	378.4	-0.81	-0.01	-4.20e-05	2.84e-05	-7.83e-05	-9.41e-03
337	1	55.83	16.48	-3.03e-04	-105.36	0.0	-940.27	-134.86	3.30	140.85	3.99	55.83
		-653.82	3.99	2.40e-04	0.0	378.4	-940.27	-240.22	3.30	140.85	16.48	-653.82
337	2	20.03	13.55	-2.82e-04	-105.36	0.0	-923.05	-116.62	-1.39	123.91	13.55	20.03
		-620.62	8.30	2.62e-04	0.0	378.4	-923.05	-221.98	-1.39	123.91	8.30	-620.62
337	3	19.92	15.04	-2.83e-04	-105.36	0.0	-915.44	-119.37	-1.63	125.61	15.04	19.92
		-631.14	8.87	2.62e-04	0.0	378.4	-915.44	-224.73	-1.63	125.61	8.87	-631.14
337	4	22.21	27.71	-2.82e-04	-105.36	0.0	-891.09	-119.66	-7.32	127.75	27.71	22.21
		-629.94	8.56e-03	-3.72e-05	0.0	378.4	-891.09	-225.02	-7.32	127.75	8.56e-03	-629.94
337	5	-141.88	68.64	-2.41e-04	-105.36	0.0	-977.50	-26.90	-29.31	60.95	68.64	-141.88
		-443.03	-42.26	1.54e-04	0.0	378.4	-977.50	-132.26	-29.31	60.95	-42.26	-443.03
337	6	106.54	40.37	-3.46e-04	-1127.05	0.0	-897.01	438.11	86.06	125.98	40.37	106.54
		-689.85	-42.99	2.35e-04	-168.02	378.4	-958.14	-688.94	-81.96	125.98	-35.22	-689.85
337	7	41.74	13.66	-2.91e-04	-105.36	0.0	-907.86	-130.02	1.15	134.08	9.31	41.74

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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337	8	-649.59	9.31	2.17e-04	0.0	378.4	-907.86	-235.38	1.15	134.08	13.66	-649.59
		23.07	10.47	-2.20e-04	-78.05	0.0	-709.78	-101.37	-0.41	100.72	10.47	23.07
		-508.20	8.92	2.00e-04	0.0	378.4	-709.78	-179.42	-0.41	100.72	8.92	-508.20
337	9	27.78	8.62	-2.09e-04	-78.05	0.0	-657.66	-84.08	0.87	93.89	5.32	27.78
		-438.03	5.32	1.72e-04	0.0	378.4	-657.66	-162.12	0.87	93.89	8.62	-438.03
337	10	7.83	11.45	-1.98e-04	-78.05	0.0	-643.86	-75.47	-1.87	85.42	11.45	7.83
		-425.43	4.39	1.84e-04	0.0	378.4	-643.86	-153.52	-1.87	85.42	4.39	-425.43
337	11	37.77	23.71	-2.33e-04	-645.65	0.0	-633.63	234.24	46.85	85.63	-20.79	-122.84
		-458.05	-20.79	1.69e-04	-93.35	378.4	-667.59	-411.41	-46.49	85.63	-20.10	-458.05
338	1	54.02	91.85	8.57e-06	-105.36	0.0	-421.10	112.83	-47.01	-10.89	91.85	-173.60
		-173.60	-86.05	-3.69e-05	0.0	378.4	-421.10	7.47	-47.01	-10.89	-86.05	54.02
338	2	62.34	90.88	7.03e-06	-105.36	0.0	-431.32	114.58	-47.10	-14.32	90.88	-171.88
		-171.88	-87.34	3.60e-05	0.0	378.4	-431.32	9.22	-47.10	-14.32	-87.34	62.34
338	3	27.93	77.85	-1.40e-05	-105.36	0.0	-453.20	91.62	-40.44	9.17	77.85	-122.79
		-122.79	-75.17	-3.50e-05	0.0	378.4	-453.20	-13.75	-40.44	9.17	-75.17	27.93
338	4	22.14	78.98	-1.35e-05	-105.36	0.0	-405.04	87.89	-40.83	12.26	78.98	-116.47
		-116.47	-75.54	2.52e-04	0.0	378.4	-405.04	-17.48	-40.83	12.26	-75.54	16.75
338	5	86.77	71.14	-1.43e-05	-105.36	0.0	-535.29	98.71	-42.41	-7.33	71.14	-88.19
		-88.19	-89.34	2.54e-04	0.0	378.4	-535.29	-6.66	-42.41	-7.33	-89.34	86.77
338	6	43.81	93.36	-5.69e-05	-275.63	0.0	-363.70	202.98	-47.52	-7.41	93.36	-238.92
		-238.92	-86.46	3.03e-04	0.0	378.4	-363.70	-72.64	-47.52	-7.41	-86.46	43.81
338	7	38.59	83.40	-7.05e-06	-105.36	0.0	-423.11	101.70	-43.02	-1.51	83.40	-146.99
		-146.99	-79.37	-3.33e-05	0.0	378.4	-423.11	-3.66	-43.02	-1.51	-79.37	38.59
338	8	21.06	59.62	-1.10e-05	-78.05	0.0	-349.49	68.62	-30.98	7.66	59.62	-93.08
		-93.08	-57.60	-2.64e-05	0.0	378.4	-349.49	-9.43	-30.98	7.66	-57.60	21.06
338	9	34.68	63.74	5.27e-06	-78.05	0.0	-301.16	79.53	-32.69	-5.99	63.74	-118.61
		-118.61	-59.96	-2.50e-05	0.0	378.4	-301.16	1.49	-32.69	-5.99	-59.96	34.68
338	10	20.86	55.96	-9.21e-06	-78.05	0.0	-318.99	67.74	-29.04	5.16	55.96	-90.38
		-90.38	-53.91	-2.46e-05	0.0	378.4	-318.99	-10.30	-29.04	5.16	-53.91	20.86
338	11	29.22	64.58	-3.02e-05	-172.64	0.0	-269.27	129.61	-32.97	-4.05	64.58	-154.90
		-154.90	-60.19	1.70e-04	0.0	378.4	-269.27	-43.02	-32.97	-4.05	-60.19	29.22
339	1	37.55	83.15	-8.18e-06	-105.36	0.0	-395.82	82.35	-42.99	-5.76	83.15	-84.05
		-84.05	-79.54	4.62e-05	0.0	378.4	-395.82	-23.01	-42.99	-5.76	-79.54	37.55
339	2	40.07	86.06	-4.83e-06	-105.36	0.0	-398.56	86.75	-44.40	-9.31	86.06	-95.05
		-95.05	-81.94	4.64e-05	0.0	378.4	-398.56	-18.61	-44.40	-9.31	-81.94	40.07
339	3	45.20	77.81	-1.05e-05	-105.36	0.0	-413.19	78.97	-41.35	-2.80	77.81	-66.77
		-66.77	-78.66	5.10e-05	0.0	378.4	-413.19	-26.40	-41.35	-2.80	-78.66	45.20
339	4	45.21	79.89	-1.06e-05	-105.36	0.0	-390.73	77.02	-42.41	0.84	79.89	-61.23
		-61.23	-80.59	2.21e-04	0.0	378.4	-390.73	-28.35	-42.41	0.84	-80.59	45.21
339	5	130.43	115.06	-2.46e-05	-105.36	0.0	-446.61	134.58	-61.59	-50.52	115.06	-179.48
		-179.48	-118.01	2.34e-04	0.0	378.4	-446.61	29.22	-61.59	-50.52	-118.01	130.43
339	6	26.04	85.06	-2.94e-05	-105.36	0.0	-369.54	87.83	-44.00	-0.36	85.06	-112.40
		-112.40	-81.45	2.62e-04	0.0	378.4	-369.54	-17.53	-44.00	-0.36	-81.45	26.04
339	7	35.08	78.96	-9.05e-06	-105.36	0.0	-396.67	77.84	-41.04	-1.29	78.96	-73.71
		-73.71	-76.33	4.66e-05	0.0	378.4	-396.67	-27.52	-41.04	-1.29	-76.33	35.08
339	8	35.98	59.81	-8.25e-06	-78.05	0.0	-318.31	59.67	-31.85	-2.41	59.81	-50.30
		-50.30	-60.70	4.07e-05	0.0	378.4	-318.31	-18.38	-31.85	-2.41	-60.70	35.98
339	9	25.88	58.35	-5.86e-06	-78.05	0.0	-282.27	59.06	-30.22	-3.27	58.35	-58.67
		-58.67	-56.01	3.22e-05	0.0	378.4	-282.27	-18.99	-30.22	-3.27	-56.01	25.88
339	10	30.13	55.39	-7.10e-06	-78.05	0.0	-291.92	57.18	-29.31	-1.62	55.39	-49.07
		-49.07	-55.52	3.49e-05	0.0	378.4	-291.92	-20.87	-29.31	-1.62	-55.52	30.13
339	11	19.03	59.42	-1.56e-05	-78.05	0.0	-267.67	62.10	-30.78	-0.26	59.42	-74.42
		-74.42	-57.06	1.43e-04	0.0	378.4	-267.67	-15.94	-30.78	-0.26	-57.06	19.03
340	1	60.82	69.25	-1.39e-05	-105.36	0.0	-352.71	92.58	-35.57	-1.16	69.25	-93.09
		-93.09	-65.36	-3.13e-05	0.0	378.4	-352.71	-12.78	-35.57	-1.16	-65.36	60.82
340	2	63.57	70.86	-1.50e-05	-105.36	0.0	-353.32	94.96	-36.33	-2.99	70.86	-98.24
		-98.24	-66.60	-3.24e-05	0.0	378.4	-353.32	-10.40	-36.33	-2.99	-66.60	63.57
340	3	81.12	72.69	-2.08e-05	-105.36	0.0	-358.72	103.00	-37.70	-8.53	72.69	-109.28
		-109.28	-69.97	-3.25e-05	0.0	378.4	-358.72	-2.36	-37.70	-8.53	-69.97	81.12
340	4	80.69	66.68	-2.06e-05	-105.36	0.0	-368.51	103.28	-35.00	-9.69	66.68	-110.79
		-110.79	-65.78	2.81e-04	0.0	378.4	-368.51	-2.08	-35.00	-9.69	-65.78	80.69
340	5	184.46	101.30	-4.12e-05	-105.36	0.0	-395.32	157.53	-52.21	-50.23	101.30	-212.29
		-212.29	-96.26	2.99e-04	0.0	378.4	-395.32	52.17	-52.21	-50.23	-96.26	184.46
340	6	59.61	62.81	-2.22e-05	-105.36	0.0	-363.09	94.82	-32.68	-2.23	62.81	-101.71
		-101.71	-60.86	3.20e-04	0.0	378.4	-363.09	-10.54	-32.68	-2.23	-60.86	59.61
340	7	58.05	67.30	-1.38e-05	-105.36	0.0	-352.48	90.44	-34.66	0.74	67.30	-88.77
		-88.77	-63.85	3.00e-05	0.0	378.4	-352.48	-14.92	-34.66	0.74	-63.85	58.05
340	8	60.31	56.15	-1.59e-05	-78.05	0.0	-276.50	77.05	-29.07	-6.61	56.15	-83.58
		-83.58	-53.86	-2.49e-05	0.0	378.4	-276.50	-1.00	-29.07	-6.61	-53.86	60.31
340	9	47.17	49.11	-1.10e-05	-78.05	0.0	-250.47	68.87	-25.32	-1.30	49.11	-67.79
		-67.79	-46.70	-2.22e-05	0.0	378.4	-250.47	-9.18	-25.32	-1.30	-46.70	47.17
340	10	58.27	51.03	-1.43e-05	-78.05	0.0	-253.80	74.65	-26.50	-5.40	51.03	-76.79

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO						S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234						
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		-76.79	-49.26	-2.28e-05	0.0	378.4	-253.80	-3.39	-26.50	-5.40	-49.26	58.05
340	11	46.50	45.54	-1.51e-05	-78.05	0.0	-256.23	70.11	-23.71	-1.90	45.54	-72.58
		-72.58	-44.20	1.78e-04	0.0	378.4	-256.23	-7.94	-23.71	-1.90	-44.20	45.06
341	1	172.33	163.61	-5.08e-05	-105.36	0.0	-449.15	287.63	-76.89	-27.09	163.61	-716.71
		-716.71	-127.33	1.25e-04	0.0	378.4	-449.15	182.26	-76.89	-27.09	-127.33	172.33
341	2	162.83	162.61	4.97e-05	-105.36	0.0	-465.07	282.69	-76.31	-24.12	162.61	-707.54
		-707.54	-126.13	1.24e-04	0.0	378.4	-465.07	177.33	-76.31	-24.12	-126.13	162.83
341	3	179.75	163.30	4.64e-05	-105.36	0.0	-463.48	286.25	-77.34	-28.74	163.30	-704.09
		-704.09	-129.33	1.30e-04	0.0	378.4	-463.48	180.89	-77.34	-28.74	-129.33	179.75
341	4	186.77	173.73	-4.64e-05	-105.36	0.0	-520.01	286.54	-82.75	-24.36	173.73	-698.16
		-698.16	-139.40	2.09e-04	0.0	378.4	-520.01	181.18	-82.75	-24.36	-139.40	186.77
341	5	67.13	162.74	6.02e-05	-105.36	0.0	-674.53	219.64	-75.14	23.70	162.74	-564.66
		-564.66	-127.59	1.60e-04	0.0	378.4	-674.53	114.28	-75.14	23.70	-127.59	67.13
341	6	141.09	169.14	7.05e-05	-105.36	0.0	-477.35	279.45	-79.82	-24.29	169.14	-717.01
		-717.01	-132.89	8.63e-05	0.0	378.4	-477.35	174.09	-79.82	-24.29	-132.89	141.09
341	7	188.56	165.55	-5.38e-05	-105.36	0.0	-445.40	296.66	-78.22	-33.57	165.55	-734.64
		-734.64	-130.43	1.02e-04	0.0	378.4	-445.40	191.29	-78.22	-33.57	-130.43	188.56
341	8	138.74	125.67	3.61e-05	-78.05	0.0	-356.27	218.92	-59.46	-21.58	125.67	-542.01
		-542.01	-99.33	1.02e-04	0.0	378.4	-356.27	140.88	-59.46	-21.58	-99.33	138.74
341	9	123.67	116.26	-3.58e-05	-78.05	0.0	-320.32	206.16	-54.77	-20.39	116.26	-508.79
		-508.79	-91.00	8.52e-05	0.0	378.4	-320.32	128.12	-54.77	-20.39	-91.00	123.67
341	10	127.80	116.09	-3.30e-05	-78.05	0.0	-328.28	205.40	-55.02	-21.31	116.09	-501.78
		-501.78	-92.11	8.79e-05	0.0	378.4	-328.28	127.35	-55.02	-21.31	-92.11	127.80
341	11	106.32	119.34	4.58e-05	-78.05	0.0	-335.98	201.62	-56.40	-18.83	119.34	-508.95
		-508.95	-94.09	6.38e-05	0.0	378.4	-335.98	123.57	-56.40	-18.83	-94.09	106.32
342	1	40.35	103.31	-2.45e-05	-105.36	0.0	-707.46	36.70	-52.58	8.89	103.31	16.30
		-44.16	-95.67	4.12e-05	0.0	378.4	-707.46	-68.66	-52.58	8.89	-95.67	-44.16
342	2	48.29	102.69	-2.60e-05	-105.36	0.0	-714.79	40.83	-53.05	5.56	102.69	18.38
		-26.46	-98.05	4.74e-05	0.0	378.4	-714.79	-64.53	-53.05	5.56	-98.05	-26.46
342	3	50.51	109.30	-2.17e-05	-105.36	0.0	-696.59	56.19	-57.05	-9.93	109.30	-6.02
		-6.02	-106.59	5.56e-05	0.0	378.4	-696.59	-49.17	-57.05	-9.93	-106.59	7.27
342	4	52.30	94.44	-2.15e-05	-105.36	0.0	-816.40	65.18	-50.70	-19.38	94.44	-23.98
		-23.98	-97.42	1.59e-04	0.0	378.4	-816.40	-40.18	-50.70	-19.38	-97.42	23.31
342	5	82.40	72.96	-4.03e-05	-105.36	0.0	-996.90	25.68	-41.42	22.45	72.96	70.57
		-31.60	-83.76	1.02e-04	0.0	378.4	-996.90	-79.68	-41.42	22.45	-83.76	-31.60
342	6	61.86	97.52	-8.53e-05	-275.63	0.0	-766.55	118.48	-50.18	4.30	97.52	-34.47
		-107.62	-92.38	5.95e-05	0.0	378.4	-766.55	-157.14	-50.18	4.30	-92.38	-107.62
342	7	42.04	106.51	-2.05e-05	-105.36	0.0	-688.23	49.25	-54.79	-4.54	106.51	-1.35
		-14.32	-100.80	4.31e-05	0.0	378.4	-688.23	-56.11	-54.79	-4.54	-100.80	-14.32
342	8	39.03	84.09	-1.67e-05	-78.05	0.0	-535.06	41.30	-43.93	-7.49	84.09	-2.19
		-2.19	-82.14	4.36e-05	0.0	378.4	-535.06	-36.75	-43.93	-7.49	-82.14	6.41
342	9	28.68	74.12	-1.64e-05	-78.05	0.0	-501.08	30.71	-37.85	3.60	74.12	5.87
		-25.59	-69.12	3.01e-05	0.0	378.4	-501.08	-47.34	-37.85	3.60	-69.12	-25.59
342	10	35.16	77.45	-1.54e-05	-78.05	0.0	-495.04	41.54	-40.34	-6.86	77.45	-6.53
		-6.53	-75.18	3.81e-05	0.0	378.4	-495.04	-36.51	-40.34	-6.86	-75.18	2.98
342	11	41.19	70.90	-5.01e-05	-172.64	0.0	-533.91	76.14	-36.52	1.05	70.90	-22.34
		-60.85	-67.29	3.85e-05	0.0	378.4	-533.91	-96.50	-36.52	1.05	-67.29	-60.85
343	1	198.13	175.96	8.42e-05	-105.36	0.0	-488.02	318.17	-82.83	-32.52	175.96	-806.48
		-806.48	-137.48	-5.57e-04	0.0	378.4	-488.02	212.81	-82.83	-32.52	-137.48	198.13
343	2	80.61	166.99	6.50e-05	-105.36	0.0	-660.73	246.26	-77.00	13.78	166.99	-651.90
		-651.90	-124.39	-4.95e-04	0.0	378.4	-660.73	140.90	-77.00	13.78	-124.39	80.61
343	3	29.43	177.31	6.94e-05	-275.63	0.0	-492.80	358.21	-84.84	-35.00	177.31	-804.56
		-804.56	-143.72	-6.31e-04	0.0	378.4	-492.80	82.58	-84.84	-35.00	-143.72	29.43
343	4	207.86	177.77	7.75e-05	-105.36	0.0	-482.12	315.81	-84.29	-34.09	177.77	-787.84
		-787.84	-141.18	-1.53e-04	0.0	378.4	-482.12	210.45	-84.29	-34.09	-141.18	207.86
343	5	176.10	176.53	8.34e-05	-105.36	0.0	-482.97	307.79	-82.95	-27.92	176.53	-789.25
		-789.25	-137.37	-1.49e-04	0.0	378.4	-482.97	202.43	-82.95	-27.92	-137.37	176.10
343	6	188.30	177.19	8.64e-05	-105.36	0.0	-465.68	313.63	-83.33	-30.66	177.19	-799.13
		-799.13	-138.15	-1.48e-04	0.0	378.4	-465.68	208.27	-83.33	-30.66	-138.15	188.30
343	7	205.49	178.89	8.53e-05	-105.36	0.0	-458.71	323.11	-84.58	-38.14	178.89	-817.82
		-817.82	-141.18	-1.58e-04	0.0	378.4	-458.71	217.75	-84.58	-38.14	-141.18	205.49
343	8	9.15	136.46	5.26e-05	-223.09	0.0	-380.10	278.09	-65.30	-26.47	136.46	-621.05
		-621.05	-110.64	-5.25e-04	0.0	378.4	-380.10	55.00	-65.30	-26.47	-110.64	9.15
343	9	140.77	125.23	5.99e-05	-78.05	0.0	-344.08	227.17	-59.08	-24.18	125.23	-571.19
		-571.19	-98.35	-3.34e-04	0.0	378.4	-344.08	149.12	-59.08	-24.18	-98.35	140.77
343	10	47.05	125.97	5.14e-05	-172.64	0.0	-346.73	249.41	-60.20	-25.56	125.97	-570.11
		-570.11	-101.82	-3.75e-04	0.0	378.4	-346.73	76.78	-60.20	-25.56	-101.82	47.05
343	11	135.31	125.91	6.11e-05	-78.05	0.0	-331.66	224.65	-59.36	-23.15	125.91	-567.10
		-567.10	-98.72	-1.07e-04	0.0	378.4	-331.66	146.60	-59.36	-23.15	-98.72	135.31
344	1	40.01	121.80	-1.02e-04	-105.36	0.0	-283.71	43.63	-60.26	10.01	121.80	5.93
		-28.31	-106.25	-3.86e-04	0.0	378.4	-283.71	-61.73	-60.26	10.01	-106.25	-28.31
344	2	89.94	106.28	-1.06e-04	-105.36	0.0	-430.75	18.82	-55.81	27.38	106.28	83.59

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234								
344	3	-44.53	-104.90	-3.80e-04	0.0	378.4	-430.75	-86.54	-55.81	27.38	-104.90	-44.53
		322.72	83.71	-1.17e-04	-1127.05	0.0	-212.57	567.28	17.72	-20.08	80.29	-217.48
		-217.48	-170.55	-4.58e-04	-168.02	378.4	-273.70	-559.77	-150.30	-20.08	-170.55	-203.27
344	4	62.83	121.55	-8.19e-05	-105.36	0.0	-479.13	63.91	-62.42	-12.87	121.55	-10.46
		-10.46	-114.64	-6.59e-05	0.0	378.4	-479.13	-41.45	-62.42	-12.87	-114.64	32.05
344	5	43.21	114.66	-1.14e-04	-105.36	0.0	-511.04	49.21	-58.30	4.67	114.66	-0.11
		-13.24	-105.94	-5.80e-05	0.0	378.4	-511.04	-56.15	-58.30	4.67	-105.94	-13.24
344	6	35.36	114.74	-1.09e-04	-105.36	0.0	-517.05	46.23	-57.52	8.92	114.74	-3.02
		-27.43	-102.94	-6.61e-05	0.0	378.4	-517.05	-59.13	-57.52	8.92	-102.94	-27.43
344	7	42.37	119.10	-9.37e-05	-105.36	0.0	-483.39	58.14	-60.29	-5.48	119.10	-18.31
		-18.31	-109.04	-6.86e-05	0.0	378.4	-483.39	-47.22	-60.29	-5.48	-109.04	2.35
344	8	270.91	63.62	-9.44e-05	-948.37	0.0	-140.04	476.16	20.27	-15.93	58.26	-181.41
		-181.41	-135.84	-3.86e-04	-143.13	378.4	-192.12	-472.21	-122.86	-15.93	-135.84	-173.94
344	9	28.76	86.43	-7.04e-05	-78.05	0.0	-232.85	35.65	-43.02	3.96	86.43	-1.99
		-14.77	-76.37	-2.22e-04	0.0	378.4	-232.85	-42.40	-43.02	3.96	-76.37	-14.77
344	10	186.36	63.37	-7.51e-05	-645.65	0.0	-193.33	326.56	0.30	-12.76	63.37	-126.11
		-126.11	-112.09	-2.63e-04	-93.35	378.4	-227.29	-319.09	-93.04	-12.76	-112.09	-111.97
344	11	26.30	82.50	-7.40e-05	-78.05	0.0	-362.49	37.09	-41.50	3.35	82.50	-6.96
		-14.28	-74.53	-4.36e-05	0.0	378.4	-362.49	-40.96	-41.50	3.35	-74.53	-14.28
345	1	4.00	84.03	-1.48e-04	-105.36	0.0	-411.79	13.59	-45.88	-6.35	84.03	0.69
		-147.25	-89.60	-5.16e-05	0.0	378.4	-411.79	-91.78	-45.88	-6.35	-89.60	-147.25
345	2	15.55	85.05	-1.48e-04	-105.36	0.0	-450.10	12.95	-45.75	-10.00	85.05	12.54
		-137.81	-88.07	-5.76e-05	0.0	378.4	-450.10	-92.41	-45.75	-10.00	-88.07	-137.81
345	3	20.76	80.08	-1.21e-04	-105.36	0.0	-481.57	23.14	-42.29	-0.97	80.08	11.33
		-100.46	-79.95	-7.85e-05	0.0	378.4	-481.57	-82.22	-42.29	-0.97	-79.95	-100.46
345	4	252.92	47.70	-1.08e-04	-1127.05	0.0	-525.93	539.75	42.12	-7.23	27.72	-235.19
		-325.16	-130.79	-3.29e-04	-168.02	378.4	-587.06	-587.30	-125.90	-7.23	-130.79	-325.16
345	5	99.17	121.13	-1.56e-04	-105.36	0.0	-494.33	-35.67	-63.10	-57.94	121.13	99.17
		-235.16	-117.64	-2.17e-04	0.0	378.4	-494.33	-141.04	-63.10	-57.94	-117.64	-235.16
345	6	0.18	83.37	-1.44e-04	-105.36	0.0	-342.08	13.58	-45.69	-5.23	83.37	-3.13
		-151.07	-89.52	-7.86e-05	0.0	378.4	-342.08	-91.78	-45.69	-5.23	-89.52	-151.07
345	7	-4.60	77.64	-1.29e-04	-105.36	0.0	-384.63	22.67	-42.12	3.09	77.64	-13.68
		-127.23	-81.73	-1.05e-04	0.0	378.4	-384.63	-82.69	-42.12	3.09	-81.73	-127.23
345	8	18.54	61.88	-9.30e-05	-78.05	0.0	-375.34	15.72	-32.62	-1.28	61.88	12.57
		-75.59	-61.56	-5.72e-05	0.0	378.4	-375.34	-62.32	-32.62	-1.28	-61.56	-75.59
345	9	0.63	58.62	-1.01e-04	-78.05	0.0	-292.02	13.31	-31.93	-2.84	58.62	-3.62
		-100.93	-62.21	-4.61e-05	0.0	378.4	-292.02	-64.74	-31.93	-2.84	-62.21	-100.93
345	10	10.67	56.42	-8.58e-05	-78.05	0.0	-330.78	18.61	-29.93	0.15	56.42	2.29
		-74.94	-56.85	-6.11e-05	0.0	378.4	-330.78	-59.43	-29.93	0.15	-56.85	-74.94
345	11	-1.50	58.25	-9.87e-05	-78.05	0.0	-253.29	13.31	-31.82	-2.22	58.25	-5.74
		-103.06	-62.17	-6.15e-05	0.0	378.4	-253.29	-64.74	-31.82	-2.22	-62.17	-103.06
346	1	42.20	64.18	-8.44e-05	-105.36	0.0	-316.69	8.78	-35.02	-2.09	64.18	40.90
		-125.22	-68.33	3.18e-05	0.0	378.4	-316.69	-96.58	-35.02	-2.09	-68.33	-125.22
346	2	49.01	67.24	-9.78e-05	-105.36	0.0	-315.63	5.76	-36.83	-5.58	67.24	48.42
		-129.12	-72.13	3.34e-05	0.0	378.4	-315.63	-99.60	-36.83	-5.58	-72.13	-129.12
346	3	58.51	68.40	-9.63e-05	-105.36	0.0	-317.32	5.81	-36.96	-7.66	68.40	57.91
		-119.43	-71.45	-5.04e-05	0.0	378.4	-317.32	-99.55	-36.96	-7.66	-71.45	-119.43
346	4	109.93	68.12	-1.25e-04	-445.94	0.0	-314.98	119.18	-37.07	-9.03	68.12	49.92
		-342.84	-72.17	-2.95e-04	0.0	378.4	-314.98	-326.76	-37.07	-9.03	-72.17	-342.84
346	5	169.93	102.57	-9.26e-05	-105.36	0.0	-347.51	-56.56	-56.30	-53.11	102.57	169.93
		-243.43	-110.48	-1.80e-04	0.0	378.4	-347.51	-161.92	-56.30	-53.11	-110.48	-243.43
346	6	41.49	62.57	-7.41e-05	-105.36	0.0	-322.21	8.69	-34.00	-1.97	62.57	40.22
		-126.25	-66.10	-4.41e-05	0.0	378.4	-322.21	-96.67	-34.00	-1.97	-66.10	-126.25
346	7	35.53	60.57	-6.67e-05	-105.36	0.0	-317.57	14.09	-32.82	2.04	60.57	31.98
		-114.05	-63.61	-7.25e-05	0.0	378.4	-317.57	-91.27	-32.82	2.04	-63.61	-114.05
346	8	42.50	52.77	-7.61e-05	-78.05	0.0	-244.27	3.98	-28.58	-6.01	52.77	42.13
		-90.46	-55.36	-3.56e-05	0.0	378.4	-244.27	-74.06	-28.58	-6.01	-55.36	-90.46
346	9	33.58	45.57	-5.78e-05	-78.05	0.0	-224.87	6.85	-24.75	-1.57	45.57	32.54
		-89.20	-48.08	-2.54e-05	0.0	378.4	-224.87	-71.19	-24.75	-1.57	-48.08	-89.20
346	10	42.65	47.92	-6.43e-05	-78.05	0.0	-225.22	5.20	-25.83	-4.67	47.92	41.99
		-85.98	-49.81	-4.08e-05	0.0	378.4	-225.22	-72.84	-25.83	-4.67	-49.81	-85.98
346	11	33.19	44.68	-5.20e-05	-78.05	0.0	-227.93	6.80	-24.19	-1.51	44.68	32.16
		-89.77	-46.84	-3.73e-05	0.0	378.4	-227.93	-71.25	-24.19	-1.51	-46.84	-89.77
347	1	48.80	99.33	-1.89e-04	-105.36	0.0	-403.53	16.60	-55.93	-34.81	99.33	44.03
		-92.49	-112.29	4.99e-05	0.0	378.4	-403.53	-88.76	-55.93	-34.81	-112.29	-92.49
347	2	53.44	93.52	-1.66e-04	-105.36	0.0	-452.63	24.00	-51.77	-25.21	93.52	43.20
		-65.33	-102.38	5.17e-05	0.0	378.4	-452.63	-81.36	-51.77	-25.21	-102.38	-65.33
347	3	41.70	85.57	-1.20e-04	-105.36	0.0	-477.23	34.21	-48.10	-10.33	85.57	20.71
		-49.18	-96.42	-5.36e-05	0.0	378.4	-477.23	-71.15	-48.10	-10.33	-96.42	-49.18
347	4	15.31	83.21	-8.74e-05	-275.63	0.0	-541.98	163.81	-46.71	-3.29	83.21	-168.38
		-168.38	-93.53	-3.19e-04	0.0	378.4	-541.98	-111.82	-46.71	-3.29	-93.53	-168.38
347	5	72.20	98.47	-1.92e-04	-105.36	0.0	-574.59	30.71	-48.61	-26.46	98.47	55.36

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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347	6	-27.79	-85.47	-2.03e-04	0.0	378.4	-574.59	-74.65	-48.61	-26.46	-85.47	-27.79
		42.28	98.34	-1.95e-04	-105.36	0.0	-340.83	19.00	-55.55	-33.72	98.34	35.82
		-91.65	-111.86	5.80e-05	0.0	378.4	-340.83	-86.37	-55.55	-33.72	-111.86	-91.65
347	7	31.51	89.42	-1.72e-04	-105.36	0.0	-383.69	32.34	-50.68	-18.85	89.42	12.73
		-64.23	-102.35	-6.81e-05	0.0	378.4	-383.69	-73.02	-50.68	-18.85	-102.35	-64.23
347	8	33.51	66.01	-8.85e-05	-78.05	0.0	-370.61	25.19	-37.12	-8.12	66.01	18.14
		-34.20	-74.46	-3.85e-05	0.0	378.4	-370.61	-52.86	-37.12	-8.12	-74.46	-34.20
347	9	30.67	68.49	-1.31e-04	-78.05	0.0	-288.44	15.59	-38.55	-21.32	68.49	24.80
		-63.88	-77.39	4.10e-05	0.0	378.4	-288.44	-62.46	-38.55	-21.32	-77.39	-63.88
347	10	27.43	60.85	-9.24e-05	-78.05	0.0	-329.39	25.37	-34.20	-7.72	60.85	11.85
		-39.82	-68.57	-4.22e-05	0.0	378.4	-329.39	-52.68	-34.20	-7.72	-68.57	-39.82
347	11	27.05	67.94	-1.34e-04	-78.05	0.0	-253.61	16.92	-38.34	-20.71	67.94	20.24
		-63.42	-77.14	3.78e-05	0.0	378.4	-253.61	-61.13	-38.34	-20.71	-77.14	-63.42
348	1	-25.71	82.68	-1.31e-04	-105.36	0.0	-500.74	47.87	-40.85	53.58	82.68	-66.81
		-85.01	-71.90	-3.74e-04	0.0	378.4	-500.74	-57.49	-40.85	53.58	-71.90	-85.01
348	2	53.29	103.39	-1.01e-04	-105.36	0.0	-556.42	97.35	-57.78	-13.34	103.39	-116.85
		-116.85	-115.26	-4.34e-04	0.0	378.4	-556.42	-8.01	-57.78	-13.34	-115.26	-52.18
348	3	23.66	94.92	-2.76e-05	-445.94	0.0	-459.77	285.05	-47.61	26.81	94.92	-320.92
		-320.92	-85.23	-4.46e-04	0.0	378.4	-459.77	-160.89	-47.61	26.81	-85.23	-85.99
348	4	-16.11	97.47	-8.78e-05	-105.36	0.0	-636.12	75.18	-48.93	22.39	97.47	-117.47
		-117.47	-87.68	-5.94e-05	0.0	378.4	-636.12	-30.18	-48.93	22.39	-87.68	-32.34
348	5	-10.64	88.09	-1.38e-04	-105.36	0.0	-687.84	70.17	-44.92	32.55	88.09	-98.97
		-98.97	-81.90	-4.76e-05	0.0	378.4	-687.84	-35.19	-44.92	32.55	-81.90	-32.79
348	6	-26.10	81.65	-1.44e-04	-105.36	0.0	-720.78	53.00	-40.79	51.44	81.65	-76.53
		-76.53	-72.69	-4.76e-05	0.0	378.4	-720.78	-52.37	-40.79	51.44	-72.69	-75.34
348	7	-22.85	88.77	-1.23e-04	-105.36	0.0	-671.93	67.72	-44.33	35.35	88.77	-105.14
		-105.14	-78.97	-5.61e-05	0.0	378.4	-671.93	-37.64	-44.33	35.35	-78.97	-48.23
348	8	21.50	73.04	-1.40e-05	-368.17	0.0	-338.40	235.02	-36.55	21.64	73.04	-262.22
		-262.22	-65.26	-3.74e-04	0.0	378.4	-338.40	-133.15	-36.55	21.64	-65.26	-69.48
348	9	-18.33	60.18	-9.09e-05	-78.05	0.0	-379.09	39.40	-29.92	33.43	60.18	-55.97
		-55.97	-53.03	-2.18e-04	0.0	378.4	-379.09	-38.64	-29.92	33.43	-53.03	-54.53
348	10	10.16	66.98	-3.36e-05	-267.26	0.0	-356.33	171.17	-33.67	18.56	66.98	-197.14
		-197.14	-60.43	-2.58e-04	0.0	378.4	-356.33	-96.09	-33.67	18.56	-60.43	-55.08
348	11	-18.16	59.61	-9.84e-05	-78.05	0.0	-501.33	42.25	-29.88	32.24	59.61	-61.37
		-61.37	-53.46	-3.30e-05	0.0	378.4	-501.33	-35.80	-29.88	32.24	-53.46	-49.16
349	1	12.76	87.62	-5.35e-05	-105.36	0.0	-395.80	77.46	-45.31	-2.40	87.62	-94.95
		-94.95	-83.82	-1.30e-04	0.0	378.4	-395.80	-27.90	-45.31	-2.40	-83.82	-1.18
349	2	109.43	138.74	-6.98e-05	-105.36	0.0	-426.12	141.98	-71.14	-67.78	138.74	-228.49
		-228.49	-130.45	3.61e-04	0.0	378.4	-426.12	36.62	-71.14	-67.78	-130.45	109.43
349	3	283.20	143.83	-6.88e-05	-1127.05	0.0	-418.68	572.16	-132.01	-6.09	143.83	-266.25
		-266.25	-52.19	9.70e-04	168.02	378.4	-357.55	-554.88	36.01	-6.09	-37.82	-233.55
349	4	33.09	82.74	-3.89e-05	-105.36	0.0	-406.32	69.63	-43.86	0.07	82.74	-53.84
		-53.84	-83.24	-9.39e-05	0.0	378.4	-406.32	-35.73	-43.86	0.07	-83.24	10.31
349	5	17.72	91.24	-6.09e-05	-105.36	0.0	-395.95	78.69	-47.05	-6.51	91.24	-93.46
		-93.46	-86.80	-6.38e-05	0.0	378.4	-395.95	-26.67	-47.05	-6.51	-86.80	4.95
349	6	11.39	87.73	-5.88e-05	-105.36	0.0	-395.40	75.77	-45.37	-2.42	87.73	-91.50
		-91.50	-83.96	-5.75e-05	0.0	378.4	-395.40	-29.59	-45.37	-2.42	-83.96	-4.14
349	7	12.25	83.25	-4.75e-05	-105.36	0.0	-395.00	72.25	-43.26	2.44	83.25	-81.48
		-81.48	-80.46	-9.09e-05	0.0	378.4	-395.00	-33.11	-43.26	2.44	-80.46	-7.44
349	8	240.30	115.64	-5.69e-05	-948.37	0.0	-323.48	480.34	-108.87	-5.49	115.64	-219.93
		-219.93	-41.01	8.16e-04	143.13	378.4	-271.41	-468.03	34.26	-5.49	-25.52	-196.63
349	9	8.76	61.55	-3.65e-05	-78.05	0.0	-281.70	55.38	-31.87	-0.84	61.55	-65.53
		-65.53	-59.06	-8.88e-05	0.0	378.4	-281.70	-22.66	-31.87	-0.84	-59.06	-3.62
349	10	158.69	92.78	-4.18e-05	-645.65	0.0	-294.42	330.22	-80.04	-2.89	92.78	-160.70
		-160.70	-37.04	5.52e-04	93.35	378.4	-260.46	-315.43	13.30	-2.89	-33.51	-132.72
349	11	8.22	61.61	-3.95e-05	-78.05	0.0	-281.49	54.44	-31.91	-0.85	61.61	-63.62
		-63.62	-59.14	-4.87e-05	0.0	378.4	-281.49	-23.60	-31.91	-0.85	-59.14	-5.27
350	1	60.28	70.71	-2.82e-05	-105.36	0.0	-325.04	97.84	-36.55	-3.33	70.71	-111.59
		-111.59	-67.60	-9.91e-05	0.0	378.4	-325.04	-7.52	-36.55	-3.33	-67.60	59.28
350	2	152.73	107.31	-3.80e-05	-105.36	0.0	-338.76	148.59	-54.26	-45.05	107.31	-210.20
		-210.20	-98.03	3.31e-04	0.0	378.4	-338.76	43.23	-54.26	-45.05	-98.03	152.73
350	3	128.09	73.81	-8.27e-05	-445.94	0.0	-333.84	331.11	-38.39	-13.03	73.81	-337.02
		-337.02	-71.45	9.05e-04	0.0	378.4	-333.84	-114.83	-38.39	-13.03	-71.45	72.20
350	4	79.83	73.94	-4.68e-05	-105.36	0.0	-331.15	103.74	-38.59	-10.75	73.94	-113.38
		-113.38	-72.08	-6.33e-05	0.0	378.4	-331.15	-1.62	-38.59	-10.75	-72.08	79.83
350	5	63.58	72.46	-3.95e-05	-105.36	0.0	-325.66	99.89	-37.37	-5.29	72.46	-115.57
		-115.57	-68.96	-3.43e-05	0.0	378.4	-325.66	-5.47	-37.37	-5.29	-68.96	63.06
350	6	59.94	70.70	-3.01e-05	-105.36	0.0	-325.02	98.53	-36.54	-3.19	70.70	-114.37
		-114.37	-67.58	-3.45e-05	0.0	378.4	-325.02	-6.84	-36.54	-3.19	-67.58	59.11
350	7	56.19	68.51	-2.66e-05	-105.36	0.0	-324.85	94.51	-35.51	-1.11	68.51	-104.12
		-104.12	-65.86	-6.10e-05	0.0	378.4	-324.85	-10.85	-35.51	-1.11	-65.86	54.17
350	8	100.55	56.97	-6.76e-05	-368.17	0.0	-257.54	270.85	-29.57	-10.25	56.97	-276.30

		-276.30	-54.91	7.64e-04	0.0	378.4	-257.54	-97.32	-29.57	-10.25	-54.91	52.02
350	9	47.37	50.15	-2.05e-05	-78.05	0.0	-230.88	72.61	-26.01	-2.84	50.15	-80.44
		-80.44	-48.29	-6.66e-05	0.0	378.4	-230.88	-5.43	-26.01	-2.84	-48.29	46.66
350	10	83.76	51.87	-5.07e-05	-267.26	0.0	-235.76	202.21	-27.03	-8.22	51.87	-205.68
		-205.68	-50.43	5.11e-04	0.0	378.4	-235.76	-65.05	-27.03	-8.22	-50.43	53.83
350	11	47.18	50.14	-2.15e-05	-78.05	0.0	-230.86	72.99	-26.01	-2.76	50.14	-81.98
		-81.98	-48.28	-2.66e-05	0.0	378.4	-230.86	-5.05	-26.01	-2.76	-48.28	46.56
351	1	174.29	126.40	6.32e-05	-105.36	0.0	-363.11	-185.60	-76.36	-29.54	126.40	174.29
		-727.37	-162.55	-1.25e-04	0.0	378.4	-363.11	-290.96	-76.36	-29.54	-162.55	-727.37
351	2	166.60	126.37	6.52e-05	-105.36	0.0	-379.97	-182.37	-76.43	-27.14	126.37	166.60
		-722.82	-162.86	-1.23e-04	0.0	378.4	-379.97	-287.73	-76.43	-27.14	-162.86	-722.82
351	3	184.62	128.34	6.88e-05	-105.36	0.0	-389.76	-182.81	-76.95	-28.78	128.34	184.62
		-706.47	-162.83	-1.56e-04	0.0	378.4	-389.76	-288.17	-76.95	-28.78	-162.83	-706.47
351	4	-3.02	132.53	6.99e-05	-275.63	0.0	-388.82	-51.24	-78.51	-28.11	132.53	-3.02
		-718.41	-164.56	-4.55e-04	0.0	378.4	-388.82	-326.87	-78.51	-28.11	-164.56	-718.41
351	5	68.98	118.62	7.07e-05	-105.36	0.0	-563.19	-122.55	-73.35	13.34	118.62	68.98
		-594.08	-158.93	-3.76e-04	0.0	378.4	-563.19	-227.91	-73.35	13.34	-158.93	-594.08
351	6	176.41	128.15	6.42e-05	-105.36	0.0	-374.40	-187.67	-77.29	-30.44	128.15	176.41
		-733.08	-164.32	-4.50e-04	0.0	378.4	-374.40	-293.03	-77.29	-30.44	-164.32	-733.08
351	7	182.18	128.15	6.12e-05	-105.36	0.0	-367.94	-189.88	-77.12	-32.82	128.15	182.18
		-735.68	-163.66	-1.49e-04	0.0	378.4	-367.94	-295.24	-77.12	-32.82	-163.66	-735.68
351	8	143.59	98.67	5.40e-05	-78.05	0.0	-299.73	-142.90	-59.22	-21.77	98.67	143.59
		-544.81	-125.40	-1.18e-04	0.0	378.4	-299.73	-220.95	-59.22	-21.77	-125.40	-544.81
351	9	123.57	90.14	4.41e-05	-78.05	0.0	-260.71	-129.46	-54.32	-21.53	90.14	123.57
		-513.96	-115.41	-9.43e-05	0.0	378.4	-260.71	-207.50	-54.32	-21.53	-115.41	-513.96
351	10	129.30	91.22	4.72e-05	-78.05	0.0	-275.52	-127.90	-54.65	-21.11	91.22	129.30
		-502.35	-115.57	-1.12e-04	0.0	378.4	-275.52	-205.95	-54.65	-21.11	-115.57	-502.35
351	11	124.75	91.11	4.47e-05	-78.05	0.0	-266.99	-130.61	-54.84	-22.03	91.11	124.75
		-517.13	-116.40	-2.75e-04	0.0	378.4	-266.99	-208.65	-54.84	-22.03	-116.40	-517.13
352	1	53.01	95.96	-4.88e-05	-105.36	0.0	-577.80	48.17	-52.46	-2.91	95.96	11.42
		-5.65	-102.55	-4.33e-05	0.0	378.4	-577.80	-57.19	-52.46	-2.91	-102.55	-5.65
352	2	48.16	94.34	-5.81e-05	-105.36	0.0	-605.01	52.69	-51.63	1.00	94.34	-1.68
		-1.68	-101.01	-4.37e-05	0.0	378.4	-605.01	-52.67	-51.63	1.00	-101.01	-1.66
352	3	81.86	103.35	-3.76e-05	-105.36	0.0	-598.51	36.30	-55.12	-17.64	103.35	58.38
		-3.59	-105.21	-9.69e-05	0.0	378.4	-598.51	-69.06	-55.12	-17.64	-105.21	-3.59
352	4	334.27	156.36	-9.44e-05	-1127.05	0.0	-637.56	551.38	-140.47	-26.26	156.36	-175.86
		-221.81	-65.66	3.81e-04	168.02	378.4	-576.43	-575.67	27.55	-26.26	-57.28	-221.81
352	5	81.31	92.08	-5.84e-05	-105.36	0.0	-842.28	75.27	-47.13	17.51	92.08	-20.28
		-20.28	-86.25	-3.66e-04	0.0	378.4	-842.28	-30.09	-47.13	17.51	-86.25	65.19
352	6	54.94	96.25	-5.09e-05	-105.36	0.0	-610.22	45.10	-52.55	-4.30	96.25	18.43
		-10.25	-102.60	3.74e-04	0.0	378.4	-610.22	-60.26	-52.55	-4.30	-102.60	-10.25
352	7	57.73	98.63	-4.25e-05	-105.36	0.0	-575.60	43.51	-53.54	-10.08	98.63	23.86
		-10.85	-103.96	-7.53e-05	0.0	378.4	-575.60	-61.85	-53.54	-10.08	-103.96	-10.85
352	8	64.60	79.60	-2.89e-05	-78.05	0.0	-459.37	26.38	-42.39	-13.90	79.60	47.82
		-1.81e-04	-80.82	-7.30e-05	0.0	378.4	-459.37	-51.66	-42.39	-13.90	-80.82	-1.81e-04
352	9	38.83	68.89	-3.31e-05	-78.05	0.0	-413.21	34.51	-37.58	-3.50	68.89	9.96
		-7.12	-73.30	-3.72e-05	0.0	378.4	-413.21	-43.54	-37.58	-3.50	-73.30	-7.12
352	10	54.90	73.00	-2.69e-05	-78.05	0.0	-424.71	27.92	-39.05	-11.68	73.00	36.05
		-5.97	-74.78	-6.85e-05	0.0	378.4	-424.71	-50.13	-39.05	-11.68	-74.78	-5.97
352	11	39.90	69.06	-3.43e-05	-78.05	0.0	-431.22	32.81	-37.63	-4.26	69.06	13.85
		-9.67	-73.33	-2.23e-04	0.0	378.4	-431.22	-45.24	-37.63	-4.26	-73.33	-9.67
353	1	315.67	180.97	-5.83e-04	-105.36	0.0	-481.66	-468.53	-114.08	-94.08	180.97	315.67
		-1656.61	-250.72	1.25e-04	0.0	378.4	-481.66	-573.89	-114.08	-94.08	-250.72	-1656.61
353	2	271.42	170.03	-5.38e-04	-105.36	0.0	-494.35	-432.92	-108.28	-75.98	170.03	271.42
		-1566.11	-239.69	1.41e-04	0.0	378.4	-494.35	-538.28	-108.28	-75.98	-239.69	-1566.11
353	3	252.71	166.91	-5.07e-04	-105.36	0.0	-485.95	-430.17	-107.31	-71.59	166.91	252.71
		-1574.42	-239.14	1.60e-04	0.0	378.4	-485.95	-535.53	-107.31	-71.59	-239.14	-1574.42
353	4	229.45	164.81	-5.17e-04	-105.36	0.0	-460.81	-420.93	-106.23	-67.92	164.81	229.45
		-1562.72	-237.17	-2.69e-04	0.0	378.4	-460.81	-526.29	-106.23	-67.92	-237.17	-1562.72
353	5	122.83	145.65	-5.47e-04	-105.36	0.0	-639.58	-327.01	-95.28	-21.11	145.65	122.83
		-1313.92	-214.90	-2.02e-04	0.0	378.4	-639.58	-432.37	-95.28	-21.11	-214.90	-1313.92
353	6	312.57	178.86	-5.93e-04	-105.36	0.0	-463.49	-466.11	-112.88	-93.47	178.86	312.57
		-1650.54	-248.29	1.35e-04	0.0	378.4	-463.49	-571.47	-112.88	-93.47	-248.29	-1650.54
353	7	281.62	170.03	-5.62e-04	-105.36	0.0	-466.17	-444.62	-108.51	-81.43	170.03	281.62
		-1600.18	-240.59	1.60e-04	0.0	378.4	-466.17	-549.98	-108.51	-81.43	-240.59	-1600.18
353	8	200.95	130.10	-3.90e-04	-78.05	0.0	-374.83	-341.33	-83.81	-56.44	130.10	200.95
		-1238.33	-187.03	1.23e-04	0.0	378.4	-374.83	-419.38	-83.81	-56.44	-187.03	-1238.33
353	9	209.41	124.77	-4.06e-04	-78.05	0.0	-340.42	-316.73	-78.73	-62.54	124.77	209.41
		-1136.76	-173.14	9.40e-05	0.0	378.4	-340.42	-394.77	-78.73	-62.54	-173.14	-1136.76
353	10	174.43	116.96	-3.63e-04	-78.05	0.0	-342.80	-295.42	-74.96	-50.04	116.96	174.43
		-1091.10	-166.70	1.13e-04	0.0	378.4	-342.80	-373.46	-74.96	-50.04	-166.70	-1091.10
353	11	207.69	123.60	-4.11e-04	-78.05	0.0	-330.32	-315.38	-78.06	-62.20	123.60	207.69

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		-1133.39	-171.79	9.94e-05	0.0	378.4	-330.32	-393.43	-78.06	-62.20	-171.79	-1133.39
354	1	126.75	29.67	-3.57e-04	-105.36	0.0	-932.54	-184.16	11.79	141.06	-14.94	126.75
		-769.48	-14.94	-6.46e-04	0.0	378.4	-932.54	-289.53	11.79	141.06	29.67	-769.48
354	2	-65.10	43.76	-3.08e-04	-105.36	0.0	-986.64	-78.93	-18.28	58.94	43.76	-65.10
		-563.12	-25.40	-7.23e-04	0.0	378.4	-986.64	-184.29	-18.28	58.94	-25.40	-563.12
354	3	53.36	21.88	-2.78e-04	-105.36	0.0	-911.16	-159.31	6.72	127.55	-3.55	53.36
		-748.82	-3.55	-7.17e-04	0.0	378.4	-911.16	-264.67	6.72	127.55	21.88	-748.82
354	4	84.11	16.68	-3.16e-04	-105.36	0.0	-891.12	-166.07	3.42	125.39	3.74	84.11
		-743.64	3.74	-2.73e-04	0.0	378.4	-891.12	-271.43	3.42	125.39	16.68	-743.64
354	5	95.84	15.51	-3.45e-04	-105.36	0.0	-895.15	-166.61	3.30	123.42	3.02	95.84
		-733.95	3.02	-2.58e-04	0.0	378.4	-895.15	-271.97	3.30	123.42	15.51	-733.95
354	6	127.69	24.72	-3.65e-04	-105.36	0.0	-909.69	-184.16	8.58	141.36	-7.74	127.69
		-768.53	-7.74	-2.37e-04	0.0	378.4	-909.69	-289.52	8.58	141.36	24.72	-768.53
354	7	111.13	21.81	-3.45e-04	-105.36	0.0	-881.44	-178.17	6.40	133.77	-2.41	111.13
		-762.40	-2.41	-2.67e-04	0.0	378.4	-881.44	-283.53	6.40	133.77	21.81	-762.40
354	8	46.72	19.57	-2.13e-04	-78.05	0.0	-707.75	-132.52	6.40	102.63	-4.66	46.72
		-602.41	-4.66	-5.84e-04	0.0	378.4	-707.75	-210.57	6.40	102.63	19.57	-602.41
354	9	76.53	16.99	-2.46e-04	-78.05	0.0	-649.94	-117.63	6.28	93.74	-6.77	76.53
		-516.27	-6.77	-4.06e-04	0.0	378.4	-649.94	-195.68	6.28	93.74	16.99	-516.27
354	10	35.75	12.66	-2.03e-04	-78.05	0.0	-638.05	-103.83	3.46	86.24	-0.44	35.75
		-504.80	-0.44	-4.45e-04	0.0	378.4	-638.05	-181.87	3.46	86.24	12.66	-504.80
354	11	77.05	14.23	-2.51e-04	-78.05	0.0	-637.24	-117.63	4.49	93.91	-2.76	77.05
		-515.74	-2.76	-1.79e-04	0.0	378.4	-637.24	-195.68	4.49	93.91	14.23	-515.74
355	1	0.0	0.0	-9.43e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.06e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
355	2	0.0	0.0	-9.36e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.06e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
355	3	0.0	0.0	-8.64e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.11e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
355	4	0.0	0.0	-8.26e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.72e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
355	5	0.0	0.0	-7.48e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.58e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
355	6	0.0	0.0	-9.49e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.74e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
355	7	0.0	0.0	-9.58e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-2.12e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
355	8	0.0	0.0	-6.65e-05	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	-1.62e-04	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
355	9	0.0	0.0	-6.63e-05	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	-1.47e-04	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
355	10	0.0	0.0	-6.19e-05	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	-1.50e-04	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
355	11	0.0	0.0	-6.66e-05	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	-1.85e-04	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
356	1	0.0	0.0	-3.88e-06	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-4.19e-05	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
356	2	0.0	0.0	-1.27e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	1.30e-05	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
356	3	0.0	0.0	-2.51e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	1.22e-04	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
356	4	0.0	0.0	-1.08e-05	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-5.62e-05	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
356	5	0.0	0.0	-6.47e-06	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-5.99e-05	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
356	6	0.0	0.0	-4.01e-06	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-6.00e-05	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
356	7	0.0	0.0	-3.34e-06	-21.55	0.0	0.0	21.55	0.0	-3.32e-06	0.0	-8.34
		-8.34	0.0	-5.00e-05	0.0	77.4	0.0	0.0	0.0	-3.32e-06	0.0	0.0
356	8	0.0	0.0	-2.01e-05	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	1.08e-04	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
356	9	0.0	0.0	-3.74e-06	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	-3.12e-05	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
356	10	0.0	0.0	-1.55e-05	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	6.00e-05	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
356	11	0.0	0.0	-3.82e-06	-15.96	0.0	0.0	15.96	0.0	-2.46e-06	0.0	-6.18
		-6.18	0.0	-4.13e-05	0.0	77.4	0.0	0.0	0.0	-2.46e-06	0.0	0.0
357	1	38.37	119.19	-4.49e-05	-105.36	0.0	-466.73	61.99	-59.32	-36.51	119.19	-30.49
		-30.49	-105.27	4.05e-05	0.0	378.4	-466.73	-43.38	-59.32	-36.51	-105.27	4.72
357	2	47.03	109.75	-3.68e-05	-105.36	0.0	-491.44	54.71	-55.35	-26.96	109.75	-6.65
		-6.65	-99.69	4.00e-05	0.0	378.4	-491.44	-50.65	-55.35	-26.96	-99.69	1.04
357	3	38.83	105.00	-2.69e-05	-105.36	0.0	-492.49	36.51	-51.53	-9.57	105.00	15.06

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357	4	-46.14	-90.00	-4.18e-05	0.0	378.4	-492.49	-68.86	-51.53	-9.57	-90.00	-46.14
		40.55	110.83	-2.81e-05	-105.36	0.0	-426.66	33.54	-53.94	-6.64	110.83	20.35
		-52.06	-93.29	2.82e-04	0.0	378.4	-426.66	-71.82	-53.94	-6.64	-93.29	-52.06
357	5	131.63	76.86	-1.99e-05	-105.36	0.0	-661.36	-15.18	-38.07	44.95	76.86	131.63
		-125.16	-67.21	2.34e-04	0.0	378.4	-661.36	-120.54	-38.07	44.95	-67.21	-125.16
357	6	54.53	125.18	-1.36e-04	-445.94	0.0	-388.53	272.24	-61.65	-31.32	125.18	-259.73
		-259.73	-108.11	3.44e-04	0.0	378.4	-388.53	-173.71	-61.65	-31.32	-108.11	-73.31
357	7	39.45	108.79	-3.35e-05	-105.36	0.0	-465.33	47.25	-53.89	-20.77	108.79	-0.61
		-21.18	-95.12	3.57e-05	0.0	378.4	-465.33	-58.12	-53.89	-20.77	-95.12	-21.18
357	8	30.67	81.17	-2.13e-05	-78.05	0.0	-379.03	25.30	-39.76	-7.25	81.17	15.18
		-36.77	-69.27	-3.41e-05	0.0	378.4	-379.03	-52.75	-39.76	-7.25	-69.27	-36.77
357	9	26.81	82.30	-2.92e-05	-78.05	0.0	-333.50	43.83	-40.97	-22.61	82.30	-19.77
		-19.77	-72.71	2.81e-05	0.0	378.4	-333.50	-34.21	-40.97	-22.61	-72.71	-1.57
357	10	26.88	74.42	-1.92e-05	-78.05	0.0	-347.80	29.68	-36.64	-7.64	74.42	5.54
		-29.83	-64.23	-2.75e-05	0.0	378.4	-347.80	-48.37	-36.64	-7.64	-64.23	-29.83
357	11	35.26	85.63	-7.99e-05	-267.26	0.0	-290.05	160.64	-42.26	-19.73	85.63	-147.13
		-147.13	-74.29	1.97e-04	0.0	378.4	-290.05	-106.62	-42.26	-19.73	-74.29	-44.92
358	1	0.0	0.0	-1.63e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-4.48e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
358	2	0.0	0.0	-1.32e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-4.24e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
358	3	0.0	0.0	-1.49e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-4.66e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
358	4	0.0	0.0	-1.56e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-3.24e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
358	5	0.0	0.0	-1.61e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-3.19e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
358	6	0.0	0.0	-1.64e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-3.19e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
358	7	0.0	0.0	-1.69e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-3.30e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
358	8	0.0	0.0	-1.14e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-3.70e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
358	9	0.0	0.0	-1.16e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-3.00e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
358	10	0.0	0.0	-1.08e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-3.10e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
358	11	0.0	0.0	-1.16e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-2.28e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
359	1	0.0	0.0	-3.55e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-7.97e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
359	2	0.0	0.0	-4.09e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-8.02e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
359	3	0.0	0.0	-4.39e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-7.76e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
359	4	0.0	0.0	-6.24e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-3.06e-06	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
359	5	0.0	0.0	-5.54e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-7.53e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
359	6	0.0	0.0	-3.22e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-7.05e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
359	7	0.0	0.0	-2.94e-05	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	-5.83e-05	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
359	8	0.0	0.0	-3.37e-05	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-6.07e-05	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
359	9	0.0	0.0	-2.57e-05	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-5.39e-05	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
359	10	0.0	0.0	-3.04e-05	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-5.27e-05	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
359	11	0.0	0.0	-2.39e-05	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	-4.88e-05	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
360	1	0.0	0.0	-2.60e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-1.33e-04	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
360	2	0.0	0.0	-2.18e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-2.24e-04	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
360	3	0.0	0.0	-2.41e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-1.60e-04	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
360	4	0.0	0.0	-2.47e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-3.21e-05	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
360	5	0.0	0.0	-2.52e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-3.18e-05	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
360	6	0.0	0.0	-2.62e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		-17.58	0.0	-1.52e-05	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
360	7	0.0	0.0	-2.57e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-2.50e-05	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
360	8	0.0	0.0	-1.91e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	-1.28e-04	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
360	9	0.0	0.0	-1.76e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	-8.47e-05	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
360	10	0.0	0.0	-1.66e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	-9.94e-05	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
360	11	0.0	0.0	-1.78e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	-1.91e-05	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
361	1	0.0	0.0	-5.31e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-4.46e-04	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
361	2	0.0	0.0	-5.01e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-4.23e-04	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
361	3	0.0	0.0	-4.95e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-4.18e-04	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
361	4	0.0	0.0	-4.99e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-3.29e-04	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
361	5	0.0	0.0	-4.61e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-3.16e-04	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
361	6	0.0	0.0	-5.32e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-4.37e-04	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
361	7	0.0	0.0	-5.15e-04	-31.28	0.0	0.0	31.28	0.0	3.38e-06	0.0	-17.58
		-17.58	0.0	-4.17e-04	0.0	112.4	0.0	0.0	0.0	3.38e-06	0.0	0.0
361	8	0.0	0.0	-3.87e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	-3.29e-04	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
361	9	0.0	0.0	-3.66e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	-3.05e-04	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
361	10	0.0	0.0	-3.47e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	-2.90e-04	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
361	11	0.0	0.0	-3.67e-04	-23.17	0.0	0.0	23.17	0.0	2.50e-06	0.0	-13.02
		-13.02	0.0	-3.00e-04	0.0	112.4	0.0	0.0	0.0	2.50e-06	0.0	0.0
362	1	0.0	0.0	-4.49e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	4.68e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
362	2	0.0	0.0	-4.25e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	4.47e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
362	3	0.0	0.0	-4.29e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	4.54e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
362	4	0.0	0.0	-4.32e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	5.40e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
362	5	0.0	0.0	-3.91e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	4.99e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
362	6	0.0	0.0	-3.83e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	5.63e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
362	7	0.0	0.0	-4.33e-04	-31.28	0.0	0.0	0.0	0.0	3.38e-06	0.0	0.0
		-17.58	0.0	4.56e-04	0.0	112.4	0.0	-31.28	0.0	3.38e-06	0.0	-17.58
362	8	0.0	0.0	-3.38e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	3.55e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
362	9	0.0	0.0	-3.08e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	3.24e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
362	10	0.0	0.0	-2.97e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	3.16e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
362	11	0.0	0.0	-2.71e-04	-23.17	0.0	0.0	0.0	0.0	2.50e-06	0.0	0.0
		-13.02	0.0	3.77e-04	0.0	112.4	0.0	-23.17	0.0	2.50e-06	0.0	-13.02
363	1	6.24e-03	1.09e-04	-0.03	-0.04	0.0	-1.07	0.02	-5.87e-05	4.10e-05	1.09e-04	-0.01
		-0.01	-1.13e-04	-1.66e-04	0.0	378.4	-1.07	-0.02	-5.87e-05	4.10e-05	-1.13e-04	-0.01
363	2	6.23e-03	1.25e-04	-0.03	-0.04	0.0	-1.09	0.02	-6.72e-05	4.57e-05	1.25e-04	-0.01
		-0.01	-1.29e-04	-5.03e-04	0.0	378.4	-1.09	-0.02	-6.72e-05	4.57e-05	-1.29e-04	-0.01
363	3	6.24e-03	1.07e-04	-0.03	-0.04	0.0	-1.04	0.02	-5.76e-05	4.34e-05	1.07e-04	-0.01
		-0.01	-1.11e-04	-8.58e-04	0.0	378.4	-1.04	-0.02	-5.76e-05	4.34e-05	-1.11e-04	-0.01
363	4	6.24e-03	1.07e-04	-0.03	-0.04	0.0	-1.07	0.02	-5.78e-05	4.31e-05	1.07e-04	-0.01
		-0.01	-1.11e-04	-1.38e-04	0.0	378.4	-1.07	-0.02	-5.78e-05	4.31e-05	-1.11e-04	-0.01
363	5	6.24e-03	1.09e-04	-0.03	-0.04	0.0	-1.08	0.02	-5.86e-05	4.17e-05	1.09e-04	-0.01
		-0.01	-1.13e-04	-1.41e-04	0.0	378.4	-1.08	-0.02	-5.86e-05	4.17e-05	-1.13e-04	-0.01
363	6	6.24e-03	1.10e-04	-0.03	-0.04	0.0	-1.10	0.02	-5.90e-05	4.12e-05	1.10e-04	-0.01
		-0.01	-1.13e-04	-1.41e-04	0.0	378.4	-1.10	-0.02	-5.90e-05	4.12e-05	-1.13e-04	-0.01
363	7	6.24e-03	1.07e-04	-0.03	-0.04	0.0	-1.06	0.02	-5.73e-05	4.24e-05	1.07e-04	-0.01
		-0.01	-1.10e-04	-1.36e-04	0.0	378.4	-1.06	-0.02	-5.73e-05	4.24e-05	-1.10e-04	-0.01
363	8	4.61e-03	8.26e-05	-0.02	-0.03	0.0	-0.80	0.01	-4.44e-05	3.43e-05	8.26e-05	-9.43e-03
		-9.44e-03	-8.53e-05	-7.25e-04	0.0	378.4	-0.80	-0.01	-4.44e-05	3.43e-05	-8.53e-05	-9.44e-03
363	9	4.63e-03	7.70e-05	-0.02	-0.03	0.0	-0.76	0.01	-4.14e-05	2.84e-05	7.70e-05	-9.41e-03

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234								
363	10	-9.43e-03	-7.97e-05	-1.09e-04	0.0	378.4	-0.76	-0.01	-4.14e-05	2.84e-05	-7.97e-05	-9.43e-03
		4.62e-03	7.59e-05	-0.02	-0.03	0.0	-0.74	0.01	-4.08e-05	2.97e-05	7.59e-05	-9.42e-03
		-9.43e-03	-7.84e-05	-4.85e-04	0.0	378.4	-0.74	-0.01	-4.08e-05	2.97e-05	-7.84e-05	-9.43e-03
363	11	4.63e-03	7.74e-05	-0.02	-0.03	0.0	-0.77	0.01	-4.16e-05	2.85e-05	7.74e-05	-9.41e-03
		-9.43e-03	-7.99e-05	-9.90e-05	0.0	378.4	-0.77	-0.01	-4.16e-05	2.85e-05	-7.99e-05	-9.43e-03
364	1	6.30e-03	1.13e-04	-0.03	-0.04	0.0	-0.95	0.02	-5.96e-05	1.17e-05	1.13e-04	-0.01
		-0.01	-1.12e-04	-1.50e-04	0.0	378.4	-0.95	-0.02	-5.96e-05	1.17e-05	-1.12e-04	-0.01
364	2	161.09	52.98	-798.08	-1021.73	0.0	-31.74	510.86	-84.01	-1.38e-05	52.98	-322.19
		-322.19	-26.49	131.24	168.02	378.4	29.39	-510.86	84.01	-1.38e-05	52.98	-322.19
364	3	6.29e-03	1.12e-04	-0.03	-0.04	0.0	-0.93	0.02	-5.90e-05	1.34e-05	1.12e-04	-0.01
		-0.01	-1.11e-04	-8.44e-04	0.0	378.4	-0.93	-0.02	-5.90e-05	1.34e-05	-1.11e-04	-0.01
364	4	6.29e-03	1.12e-04	-0.03	-0.04	0.0	-0.96	0.02	-5.92e-05	1.30e-05	1.12e-04	-0.01
		-0.01	-1.12e-04	-1.62e-04	0.0	378.4	-0.96	-0.02	-5.92e-05	1.30e-05	-1.12e-04	-0.01
364	5	6.30e-03	1.13e-04	-0.03	-0.04	0.0	-0.97	0.02	-5.98e-05	8.90e-06	1.13e-04	-0.01
		-0.01	-1.13e-04	-1.66e-04	0.0	378.4	-0.97	-0.02	-5.98e-05	8.90e-06	-1.13e-04	-0.01
364	6	6.30e-03	1.13e-04	-0.03	-0.04	0.0	-0.97	0.02	-5.97e-05	1.17e-05	1.13e-04	-0.01
		-0.01	-1.13e-04	-1.68e-04	0.0	378.4	-0.97	-0.02	-5.97e-05	1.17e-05	-1.13e-04	-0.01
364	7	6.30e-03	1.11e-04	-0.03	-0.04	0.0	-0.95	0.02	-5.84e-05	1.18e-05	1.11e-04	-0.01
		-0.01	-1.10e-04	-1.60e-04	0.0	378.4	-0.95	-0.02	-5.84e-05	1.18e-05	-1.10e-04	-0.01
364	8	4.66e-03	8.62e-05	-0.02	-0.03	0.0	-0.72	0.01	-4.54e-05	1.07e-05	8.62e-05	-9.40e-03
		-9.40e-03	-8.56e-05	-7.14e-04	0.0	378.4	-0.72	-0.01	-4.54e-05	1.07e-05	-8.56e-05	-9.38e-03
364	9	4.67e-03	7.99e-05	-0.02	-0.03	0.0	-0.68	0.01	-4.21e-05	8.05e-06	7.99e-05	-9.39e-03
		-9.39e-03	-7.95e-05	-1.06e-04	0.0	378.4	-0.68	-0.01	-4.21e-05	8.05e-06	-7.95e-05	-9.38e-03
364	10	4.66e-03	7.93e-05	-0.02	-0.03	0.0	-0.67	0.01	-4.18e-05	8.97e-06	7.93e-05	-9.39e-03
		-9.39e-03	-7.88e-05	-4.80e-04	0.0	378.4	-0.67	-0.01	-4.18e-05	8.97e-06	-7.88e-05	-9.38e-03
364	11	4.67e-03	8.01e-05	-0.02	-0.03	0.0	-0.69	0.01	-4.22e-05	8.06e-06	8.01e-05	-9.39e-03
		-9.39e-03	-7.97e-05	-1.17e-04	0.0	378.4	-0.69	-0.01	-4.22e-05	8.06e-06	-7.97e-05	-9.38e-03
365	1	6.31e-03	1.10e-04	-0.03	-0.04	0.0	-0.98	0.02	-5.83e-05	3.88e-06	1.10e-04	-0.01
		-0.01	-1.10e-04	-1.46e-04	0.0	378.4	-0.98	-0.02	-5.83e-05	3.88e-06	-1.10e-04	-0.01
365	2	53.70	1.30e-04	-266.06	-340.62	0.0	-1.03	170.31	-6.86e-05	-5.67e-06	1.30e-04	-107.41
		-107.41	-1.29e-04	-4.81e-04	0.0	378.4	-1.03	-170.31	-6.86e-05	-5.67e-06	-1.29e-04	-107.41
365	3	6.32e-03	1.11e-04	-0.03	-0.04	0.0	-0.97	0.02	-5.86e-05	1.37e-06	1.11e-04	-0.01
		-0.01	-1.11e-04	-8.48e-04	0.0	378.4	-0.97	-0.02	-5.86e-05	1.37e-06	-1.11e-04	-0.01
365	4	6.32e-03	1.11e-04	-0.03	-0.04	0.0	-0.97	0.02	-5.87e-05	1.70e-06	1.11e-04	-0.01
		-0.01	-1.11e-04	-1.60e-04	0.0	378.4	-1.01	-0.02	-5.87e-05	1.70e-06	-1.11e-04	-0.01
365	5	6.32e-03	1.11e-04	-0.03	-0.04	0.0	-1.00	0.02	-5.87e-05	1.72e-06	1.11e-04	-0.01
		-0.01	-1.11e-04	-1.65e-04	0.0	378.4	-1.00	-0.02	-5.87e-05	1.72e-06	-1.11e-04	-0.01
365	6	6.31e-03	1.11e-04	-0.03	-0.04	0.0	-1.00	0.02	-5.83e-05	4.01e-06	1.11e-04	-0.01
		-0.01	-1.10e-04	-1.66e-04	0.0	378.4	-1.00	-0.02	-5.83e-05	4.01e-06	-1.10e-04	-0.01
365	7	6.32e-03	1.09e-04	-0.03	-0.04	0.0	-0.99	0.02	-5.75e-05	2.51e-06	1.09e-04	-0.01
		-0.01	-1.09e-04	-1.58e-04	0.0	378.4	-0.99	-0.02	-5.75e-05	2.51e-06	-1.09e-04	-0.01
365	8	4.68e-03	8.53e-05	-0.02	-0.03	0.0	-0.75	0.01	-4.51e-05	1.02e-06	8.53e-05	-9.37e-03
		-9.37e-03	-8.53e-05	-7.17e-04	0.0	378.4	-0.75	-0.01	-4.51e-05	1.02e-06	-8.53e-05	-9.36e-03
365	9	4.68e-03	7.83e-05	-0.02	-0.03	0.0	-0.70	0.01	-4.13e-05	2.47e-06	7.83e-05	-9.37e-03
		-9.37e-03	-7.80e-05	-1.05e-04	0.0	378.4	-0.70	-0.01	-4.13e-05	2.47e-06	-7.80e-05	-9.37e-03
365	10	4.68e-03	7.85e-05	-0.02	-0.03	0.0	-0.69	0.01	-4.15e-05	1.08e-06	7.85e-05	-9.37e-03
		-9.37e-03	-7.84e-05	-4.81e-04	0.0	378.4	-0.69	-0.01	-4.15e-05	1.08e-06	-7.84e-05	-9.36e-03
365	11	4.68e-03	7.84e-05	-0.02	-0.03	0.0	-0.71	0.01	-4.14e-05	2.55e-06	7.84e-05	-9.37e-03
		-9.37e-03	-7.81e-05	-1.16e-04	0.0	378.4	-0.71	-0.01	-4.14e-05	2.55e-06	-7.81e-05	-9.37e-03
366	1	6.32e-03	1.10e-04	-0.03	-0.04	0.0	-1.08	0.02	-5.81e-05	3.78e-06	1.10e-04	-0.01
		-0.01	-1.10e-04	-1.56e-04	0.0	378.4	-1.08	-0.02	-5.81e-05	3.78e-06	-1.10e-04	-0.01
366	2	26.85	1.25e-04	-133.03	-170.30	0.0	-1.13	85.15	-6.58e-05	7.00e-06	1.25e-04	-53.70
		-53.70	-1.23e-04	-4.62e-04	0.0	378.4	-1.13	-85.15	-6.58e-05	7.00e-06	-1.23e-04	-53.70
366	3	6.33e-03	1.12e-04	-0.03	-0.04	0.0	-1.08	0.02	-5.92e-05	0.0	1.12e-04	-0.01
		-0.01	-1.12e-04	8.82e-04	0.0	378.4	-1.08	-0.02	-5.92e-05	0.0	-1.12e-04	-0.01
366	4	6.32e-03	1.12e-04	-0.03	-0.04	0.0	-1.10	0.02	-5.91e-05	0.0	1.12e-04	-0.01
		-0.01	-1.11e-04	-1.55e-04	0.0	378.4	-1.10	-0.02	-5.91e-05	0.0	-1.11e-04	-0.01
366	5	6.31e-03	1.11e-04	-0.03	-0.04	0.0	-1.08	0.02	-5.84e-05	4.13e-06	1.11e-04	-0.01
		-0.01	-1.10e-04	-1.61e-04	0.0	378.4	-1.08	-0.02	-5.84e-05	4.13e-06	-1.10e-04	-0.01
366	6	6.32e-03	1.10e-04	-0.03	-0.04	0.0	-1.08	0.02	-5.81e-05	3.81e-06	1.10e-04	-0.01
		-0.01	-1.10e-04	-1.63e-04	0.0	378.4	-1.08	-0.02	-5.81e-05	3.81e-06	-1.10e-04	-0.01
366	7	6.32e-03	1.09e-04	-0.03	-0.04	0.0	-1.07	0.02	-5.77e-05	2.89e-06	1.09e-04	-0.01
		-0.01	-1.09e-04	-1.53e-04	0.0	378.4	-1.07	-0.02	-5.77e-05	2.89e-06	-1.09e-04	-0.01
366	8	4.69e-03	8.67e-05	-0.02	-0.03	0.0	-0.84	0.01	-4.56e-05	0.0	8.67e-05	-9.37e-03
		-9.37e-03	-8.59e-05	7.44e-04	0.0	378.4	-0.84	-0.01	-4.56e-05	0.0	-8.59e-05	-9.36e-03
366	9	4.68e-03	7.84e-05	-0.02	-0.03	0.0	-0.76	0.01	-4.13e-05	2.50e-06	7.84e-05	-9.37e-03
		-9.37e-03	-7.78e-05	-1.07e-04	0.0	378.4	-0.76	-0.01	-4.13e-05	2.50e-06	-7.78e-05	-9.37e-03
366	10	4.68e-03	7.95e-05	-0.02	-0.03	0.0	-0.77	0.01	-4.19e-05	0.0	7.95e-05	-9.37e-03
		-9.37e-03	-7.89e-05	5.02e-04	0.0	378.4	-0.77	-0.01	-4.19e-05	0.0	-7.89e-05	-9.36e-03
366	11	4.68e-03	7.84e-05	-0.02	-0.03	0.0	-0.77	0.01	-4.13e-05	2.52e-06	7.84e-05	-9.37e-03
		-9.37e-03	-7.78e-05	-1.13e-04	0.0	378.4	-0.77	-0.01	-4.13e-05	2.52e-06	-7.78e-05	-9.37e-03
367	1	6.30e-03	1.09e-04	-0.03	-0.04	0.0	-1.26	0.02	-5.66e-05	1.59e-05	1.09e-04	-0.01

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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367	2	-0.01	-1.05e-04	-2.20e-04	0.0	378.4	-1.26	-0.02	-5.66e-05	1.59e-05	-1.05e-04	-0.01
		6.28e-03	1.19e-04	-0.03	-0.04	0.0	-1.31	0.02	-6.15e-05	2.21e-05	1.19e-04	-0.01
		-0.01	-1.14e-04	-4.95e-04	0.0	378.4	-1.31	-0.02	-6.15e-05	2.21e-05	-1.14e-04	-0.01
367	3	6.30e-03	1.11e-04	-0.03	-0.04	0.0	-1.28	0.02	-5.77e-05	1.46e-05	1.11e-04	-0.01
		-0.01	-1.07e-04	9.46e-04	0.0	378.4	-1.28	-0.02	-5.77e-05	1.46e-05	-1.07e-04	-0.01
367	4	6.30e-03	1.11e-04	-0.03	-0.04	0.0	-1.29	0.02	-5.76e-05	1.47e-05	1.11e-04	-0.01
		-0.01	-1.07e-04	-1.89e-04	0.0	378.4	-1.29	-0.02	-5.76e-05	1.47e-05	-1.07e-04	-0.01
367	5	6.30e-03	1.10e-04	-0.03	-0.04	0.0	-1.26	0.02	-5.67e-05	1.63e-05	1.10e-04	-0.01
		-0.01	-1.05e-04	-1.56e-04	0.0	378.4	-1.26	-0.02	-5.67e-05	1.63e-05	-1.05e-04	-0.01
367	6	6.30e-03	1.09e-04	-0.03	-0.04	0.0	-1.27	0.02	-5.65e-05	1.59e-05	1.09e-04	-0.01
		-0.01	-1.05e-04	-1.56e-04	0.0	378.4	-1.27	-0.02	-5.65e-05	1.59e-05	-1.05e-04	-0.01
367	7	6.30e-03	1.09e-04	-0.03	-0.04	0.0	-1.26	0.02	-5.63e-05	1.55e-05	1.09e-04	-0.01
		-0.01	-1.04e-04	-1.77e-04	0.0	378.4	-1.26	-0.02	-5.63e-05	1.55e-05	-1.04e-04	-0.01
367	8	4.67e-03	8.59e-05	-0.02	-0.03	0.0	-0.98	0.01	-4.44e-05	1.14e-05	8.59e-05	-9.38e-03
		-9.38e-03	-8.23e-05	7.93e-04	0.0	378.4	-0.98	-0.01	-4.44e-05	1.14e-05	-8.23e-05	-9.38e-03
367	9	4.67e-03	7.77e-05	-0.02	-0.03	0.0	-0.90	0.01	-4.02e-05	1.10e-05	7.77e-05	-9.39e-03
		-9.39e-03	-7.45e-05	-1.53e-04	0.0	378.4	-0.90	-0.01	-4.02e-05	1.10e-05	-7.45e-05	-9.38e-03
367	10	4.67e-03	7.89e-05	-0.02	-0.03	0.0	-0.90	0.01	-4.08e-05	1.03e-05	7.89e-05	-9.38e-03
		-9.38e-03	-7.56e-05	5.44e-04	0.0	378.4	-0.90	-0.01	-4.08e-05	1.03e-05	-7.56e-05	-9.38e-03
367	11	4.67e-03	7.76e-05	-0.02	-0.03	0.0	-0.90	0.01	-4.02e-05	1.10e-05	7.76e-05	-9.39e-03
		-9.39e-03	-7.44e-05	-1.13e-04	0.0	378.4	-0.90	-0.01	-4.02e-05	1.10e-05	-7.44e-05	-9.38e-03
368	1	6.30e-03	1.05e-04	-0.03	-0.04	0.0	-1.24	0.02	-5.65e-05	1.68e-05	1.05e-04	-0.01
		-0.01	-1.09e-04	-3.68e-04	0.0	378.4	-1.24	-0.02	-5.65e-05	1.68e-05	-1.09e-04	-0.01
368	2	26.85	1.21e-04	-133.03	-170.30	0.0	-1.39	85.15	-6.56e-05	2.07e-05	1.21e-04	-53.70
		-53.70	-1.27e-04	-3.04e-04	0.0	378.4	-1.39	-85.15	-6.56e-05	2.07e-05	-1.27e-04	-53.70
368	3	6.30e-03	1.07e-04	-0.03	-0.04	0.0	-1.27	0.02	-5.75e-05	1.50e-05	1.07e-04	-0.01
		-0.01	-1.11e-04	-3.85e-04	0.0	378.4	-1.27	-0.02	-5.75e-05	1.50e-05	-1.11e-04	-0.01
368	4	6.30e-03	1.06e-04	-0.03	-0.04	0.0	-1.24	0.02	-5.73e-05	1.51e-05	1.06e-04	-0.01
		-0.01	-1.11e-04	-1.86e-04	0.0	378.4	-1.24	-0.02	-5.73e-05	1.51e-05	-1.11e-04	-0.01
368	5	6.29e-03	1.05e-04	-0.03	-0.04	0.0	-1.23	0.02	-5.67e-05	1.71e-05	1.05e-04	-0.01
		-0.01	-1.10e-04	-1.79e-04	0.0	378.4	-1.23	-0.02	-5.67e-05	1.71e-05	-1.10e-04	-0.01
368	6	6.30e-03	1.04e-04	-0.03	-0.04	0.0	-1.23	0.02	-5.64e-05	1.68e-05	1.04e-04	-0.01
		-0.01	-1.09e-04	-1.68e-04	0.0	378.4	-1.23	-0.02	-5.64e-05	1.68e-05	-1.09e-04	-0.01
368	7	6.30e-03	1.04e-04	-0.03	-0.04	0.0	-1.22	0.02	-5.59e-05	1.59e-05	1.04e-04	-0.01
		-0.01	-1.08e-04	-1.63e-04	0.0	378.4	-1.22	-0.02	-5.59e-05	1.59e-05	-1.08e-04	-0.01
368	8	4.67e-03	8.21e-05	-0.02	-0.03	0.0	-0.98	0.01	-4.43e-05	1.17e-05	8.21e-05	-9.38e-03
		-9.39e-03	-8.56e-05	-3.35e-04	0.0	378.4	-0.98	-0.01	-4.43e-05	1.17e-05	-8.56e-05	-9.39e-03
368	9	4.66e-03	7.43e-05	-0.02	-0.03	0.0	-0.88	0.01	-4.01e-05	1.15e-05	7.43e-05	-9.38e-03
		-9.39e-03	-7.74e-05	-1.96e-04	0.0	378.4	-0.88	-0.01	-4.01e-05	1.15e-05	-7.74e-05	-9.39e-03
368	10	4.67e-03	7.53e-05	-0.02	-0.03	0.0	-0.89	0.01	-4.06e-05	1.05e-05	7.53e-05	-9.38e-03
		-9.38e-03	-7.85e-05	-2.05e-04	0.0	378.4	-0.89	-0.01	-4.06e-05	1.05e-05	-7.85e-05	-9.38e-03
368	11	4.66e-03	7.41e-05	-0.02	-0.03	0.0	-0.87	0.01	-4.00e-05	1.15e-05	7.41e-05	-9.38e-03
		-9.39e-03	-7.72e-05	-1.20e-04	0.0	378.4	-0.87	-0.01	-4.00e-05	1.15e-05	-7.72e-05	-9.39e-03
369	1	6.31e-03	1.10e-04	-0.03	-0.04	0.0	-1.07	0.02	-5.84e-05	6.71e-06	1.10e-04	-0.01
		-0.01	-1.11e-04	-4.31e-04	0.0	378.4	-1.07	-0.02	-5.84e-05	6.71e-06	-1.11e-04	-0.01
369	2	53.70	1.31e-04	-266.06	-340.62	0.0	-1.18	170.31	-6.97e-05	-1.64e-06	1.31e-04	-107.41
		-107.41	-1.33e-04	-3.47e-04	0.0	378.4	-1.18	-170.31	-6.97e-05	-1.64e-06	-1.33e-04	-107.41
369	3	6.32e-03	1.11e-04	-0.03	-0.04	0.0	-1.09	0.02	-5.90e-05	1.96e-06	1.11e-04	-0.01
		-0.01	-1.12e-04	-4.58e-04	0.0	378.4	-1.09	-0.02	-5.90e-05	1.96e-06	-1.12e-04	-0.01
369	4	6.32e-03	1.11e-04	-0.03	-0.04	0.0	-1.06	0.02	-5.87e-05	1.99e-06	1.11e-04	-0.01
		-0.01	-1.12e-04	1.47e-04	0.0	378.4	-1.06	-0.02	-5.87e-05	1.99e-06	-1.12e-04	-0.01
369	5	6.32e-03	1.10e-04	-0.03	-0.04	0.0	-1.05	0.02	-5.85e-05	4.18e-06	1.10e-04	-0.01
		-0.01	-1.11e-04	1.47e-04	0.0	378.4	-1.05	-0.02	-5.85e-05	4.18e-06	-1.11e-04	-0.01
369	6	6.31e-03	1.10e-04	-0.03	-0.04	0.0	-1.05	0.02	-5.82e-05	6.43e-06	1.10e-04	-0.01
		-0.01	-1.11e-04	-1.42e-04	0.0	378.4	-1.05	-0.02	-5.82e-05	6.43e-06	-1.11e-04	-0.01
369	7	6.31e-03	1.08e-04	-0.03	-0.04	0.0	-1.04	0.02	-5.73e-05	4.88e-06	1.08e-04	-0.01
		-0.01	-1.09e-04	-1.42e-04	0.0	378.4	-1.04	-0.02	-5.73e-05	4.88e-06	-1.09e-04	-0.01
369	8	4.68e-03	8.57e-05	-0.02	-0.03	0.0	-0.85	0.01	-4.55e-05	1.36e-06	8.57e-05	-9.37e-03
		-9.37e-03	-8.64e-05	-3.90e-04	0.0	378.4	-0.85	-0.01	-4.55e-05	1.36e-06	-8.64e-05	-9.37e-03
369	9	4.68e-03	7.78e-05	-0.02	-0.03	0.0	-0.75	0.01	-4.13e-05	4.38e-06	7.78e-05	-9.38e-03
		-9.38e-03	-7.86e-05	-2.42e-04	0.0	378.4	-0.75	-0.01	-4.13e-05	4.38e-06	-7.86e-05	-9.38e-03
369	10	4.68e-03	7.86e-05	-0.02	-0.03	0.0	-0.77	0.01	-4.17e-05	1.74e-06	7.86e-05	-9.37e-03
		-9.37e-03	-7.92e-05	-2.57e-04	0.0	378.4	-0.77	-0.01	-4.17e-05	1.74e-06	-7.92e-05	-9.37e-03
369	11	4.68e-03	7.77e-05	-0.02	-0.03	0.0	-0.74	0.01	-4.13e-05	4.23e-06	7.77e-05	-9.37e-03
		-9.38e-03	-7.84e-05	-1.01e-04	0.0	378.4	-0.74	-0.01	-4.13e-05	4.23e-06	-7.84e-05	-9.38e-03
370	1	6.30e-03	1.03e-04	-0.03	-0.04	0.0	-0.86	0.02	-5.42e-05	9.59e-06	1.03e-04	-0.01
		-0.01	-1.02e-04	-1.46e-04	0.0	378.4	-0.86	-0.02	-5.42e-05	9.59e-06	-1.02e-04	-0.01
370	2	6.31e-03	1.03e-04	-0.03	-0.04	0.0	-0.85	0.02	-5.42e-05	6.97e-06	1.03e-04	-0.01
		-0.01	-1.02e-04	-1.45e-04	0.0	378.4	-0.85	-0.02	-5.42e-05	6.97e-06	-1.02e-04	-0.01
370	3	6.30e-03	1.02e-04	-0.03	-0.04	0.0	-0.84	0.02	-5.36e-05	1.09e-05	1.02e-04	-0.01
		-0.01	-1.01e-04	1.48e-04	0.0	378.4	-0.84	-0.02	-5.36e-05	1.09e-05	-1.01e-04	-0.01
370	4	6.30e-03	1.02e-04	-0.03	-0.04	0.0	-0.86	0.02	-5.36e-05	1.11e-05	1.02e-04	-0.01

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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370	5	-0.01	-1.01e-04	3.66e-04	0.0	378.4	-0.86	-0.02	-5.36e-05	1.11e-05	-1.01e-04	-0.01
		6.30e-03	1.17e-04	-0.03	-0.04	0.0	-0.87	0.02	-6.20e-05	1.12e-05	1.17e-04	-0.01
		-0.01	-1.17e-04	3.17e-04	0.0	378.4	-0.87	-0.02	-6.20e-05	1.12e-05	-1.17e-04	-0.01
370	6	6.30e-03	1.03e-04	-0.03	-0.04	0.0	-0.87	0.02	-5.41e-05	9.80e-06	1.03e-04	-0.01
		-0.01	-1.02e-04	3.72e-04	0.0	378.4	-0.87	-0.02	-5.41e-05	9.80e-06	-1.02e-04	-0.01
370	7	6.30e-03	1.00e-04	-0.03	-0.04	0.0	-0.84	0.02	-5.29e-05	9.65e-06	1.00e-04	-0.01
		-0.01	-9.98e-05	1.44e-04	0.0	378.4	-0.84	-0.02	-5.29e-05	9.65e-06	-9.98e-05	-0.01
370	8	4.66e-03	7.83e-05	-0.02	-0.03	0.0	-0.65	0.01	-4.13e-05	8.70e-06	7.83e-05	-9.39e-03
		-9.39e-03	-7.79e-05	1.13e-04	0.0	378.4	-0.65	-0.01	-4.13e-05	8.70e-06	-7.79e-05	-9.38e-03
370	9	4.67e-03	7.27e-05	-0.02	-0.03	0.0	-0.60	0.01	-3.83e-05	6.58e-06	7.27e-05	-9.38e-03
		-9.38e-03	-7.22e-05	-1.04e-04	0.0	378.4	-0.60	-0.01	-3.83e-05	6.58e-06	-7.22e-05	-9.38e-03
370	10	4.67e-03	7.20e-05	-0.02	-0.03	0.0	-0.60	0.01	-3.80e-05	7.30e-06	7.20e-05	-9.39e-03
		-9.39e-03	-7.17e-05	-1.07e-04	0.0	378.4	-0.60	-0.01	-3.80e-05	7.30e-06	-7.17e-05	-9.38e-03
370	11	4.67e-03	7.26e-05	-0.02	-0.03	0.0	-0.61	0.01	-3.82e-05	6.70e-06	7.26e-05	-9.38e-03
		-9.38e-03	-7.22e-05	2.20e-04	0.0	378.4	-0.61	-0.01	-3.82e-05	6.70e-06	-7.22e-05	-9.38e-03
371	1	6.25e-03	1.00e-04	-0.03	-0.04	0.0	-0.97	0.02	-5.39e-05	3.82e-05	1.00e-04	-0.01
		-0.01	-1.04e-04	1.44e-04	0.0	378.4	-0.97	-0.02	-5.39e-05	3.82e-05	-1.04e-04	-0.01
371	2	6.25e-03	9.95e-05	-0.03	-0.04	0.0	-0.95	0.02	-5.34e-05	3.86e-05	9.95e-05	-0.01
		-0.01	-1.03e-04	1.31e-04	0.0	378.4	-0.95	-0.02	-5.34e-05	3.86e-05	-1.03e-04	-0.01
371	3	6.24e-03	9.79e-05	-0.03	-0.04	0.0	-0.95	0.02	-5.26e-05	4.00e-05	9.79e-05	-0.01
		-0.01	-1.01e-04	1.52e-04	0.0	378.4	-0.95	-0.02	-5.26e-05	4.00e-05	-1.01e-04	-0.01
371	4	6.24e-03	9.78e-05	-0.03	-0.04	0.0	-0.96	0.02	-5.25e-05	4.01e-05	9.78e-05	-0.01
		-0.01	-1.01e-04	3.38e-04	0.0	378.4	-0.96	-0.02	-5.25e-05	4.01e-05	-1.01e-04	-0.01
371	5	6.23e-03	1.07e-04	-0.03	-0.04	0.0	-1.00	0.02	-5.79e-05	4.60e-05	1.07e-04	-0.01
		-0.01	-1.12e-04	3.39e-04	0.0	378.4	-1.00	-0.02	-5.79e-05	4.60e-05	-1.12e-04	-0.01
371	6	6.25e-03	1.00e-04	-0.03	-0.04	0.0	-0.97	0.02	-5.38e-05	3.76e-05	1.00e-04	-0.01
		-0.01	-1.03e-04	3.31e-04	0.0	378.4	-0.97	-0.02	-5.38e-05	3.76e-05	-1.03e-04	-0.01
371	7	6.24e-03	9.72e-05	-0.03	-0.04	0.0	-0.94	0.02	-5.22e-05	3.93e-05	9.72e-05	-0.01
		-0.01	-1.00e-04	1.48e-04	0.0	378.4	-0.94	-0.02	-5.22e-05	3.93e-05	-1.00e-04	-0.01
371	8	4.62e-03	7.55e-05	-0.02	-0.03	0.0	-0.73	0.01	-4.05e-05	3.17e-05	7.55e-05	-9.42e-03
		-9.44e-03	-7.79e-05	1.17e-04	0.0	378.4	-0.73	-0.01	-4.05e-05	3.17e-05	-7.79e-05	-9.44e-03
371	9	4.63e-03	7.06e-05	-0.02	-0.03	0.0	-0.68	0.01	-3.79e-05	2.64e-05	7.06e-05	-9.41e-03
		-9.43e-03	-7.29e-05	9.16e-05	0.0	378.4	-0.68	-0.01	-3.79e-05	2.64e-05	-7.29e-05	-9.43e-03
371	10	4.63e-03	6.93e-05	-0.02	-0.03	0.0	-0.67	0.01	-3.72e-05	2.74e-05	6.93e-05	-9.42e-03
		-9.43e-03	-7.15e-05	1.08e-04	0.0	378.4	-0.67	-0.01	-3.72e-05	2.74e-05	-7.15e-05	-9.43e-03
371	11	4.63e-03	7.07e-05	-0.02	-0.03	0.0	-0.69	0.01	-3.79e-05	2.61e-05	7.07e-05	-9.41e-03
		-9.43e-03	-7.28e-05	1.93e-04	0.0	378.4	-0.69	-0.01	-3.79e-05	2.61e-05	-7.28e-05	-9.43e-03
372	1	6.32e-03	1.00e-04	-0.03	-0.04	0.0	-0.88	0.02	-5.27e-05	3.05e-06	1.00e-04	-0.01
		-0.01	-9.96e-05	-1.45e-04	0.0	378.4	-0.88	-0.02	-5.27e-05	3.05e-06	-9.96e-05	-0.01
372	2	6.32e-03	1.01e-04	-0.03	-0.04	0.0	-0.88	0.02	-5.31e-05	1.01e-06	1.01e-04	-0.01
		-0.01	-1.00e-04	-1.44e-04	0.0	378.4	-0.88	-0.02	-5.31e-05	1.01e-06	-1.00e-04	-0.01
372	3	6.32e-03	1.00e-04	-0.03	-0.04	0.0	-0.88	0.02	-5.30e-05	1.05e-06	1.00e-04	-0.01
		-0.01	-1.00e-04	-1.49e-04	0.0	378.4	-0.88	-0.02	-5.30e-05	1.05e-06	-1.00e-04	-0.01
372	4	6.32e-03	1.01e-04	-0.03	-0.04	0.0	-0.91	0.02	-5.32e-05	1.13e-06	1.01e-04	-0.01
		-0.01	-1.01e-04	3.65e-04	0.0	378.4	-0.91	-0.02	-5.32e-05	1.13e-06	-1.01e-04	-0.01
372	5	161.09	52.98	-798.08	-1021.73	0.0	-31.69	510.86	-84.01	-2.10e-05	52.98	-322.19
		-322.19	-26.49	131.24	168.02	378.4	29.43	-510.86	84.01	-2.10e-05	52.98	-322.19
372	6	6.32e-03	1.00e-04	-0.03	-0.04	0.0	-0.90	0.02	-5.29e-05	3.33e-06	1.00e-04	-0.01
		-0.01	-9.98e-05	3.86e-04	0.0	378.4	-0.90	-0.02	-5.29e-05	3.33e-06	-9.98e-05	-0.01
372	7	6.32e-03	9.85e-05	-0.03	-0.04	0.0	-0.87	0.02	-5.20e-05	1.68e-06	9.85e-05	-0.01
		-0.01	-9.82e-05	-1.46e-04	0.0	378.4	-0.87	-0.02	-5.20e-05	1.68e-06	-9.82e-05	-0.01
372	8	4.68e-03	7.73e-05	-0.02	-0.03	0.0	-0.68	0.01	-4.08e-05	0.0	7.73e-05	-9.37e-03
		-9.37e-03	-7.72e-05	1.13e-04	0.0	378.4	-0.68	-0.01	-4.08e-05	0.0	-7.72e-05	-9.36e-03
372	9	4.68e-03	7.09e-05	-0.02	-0.03	0.0	-0.62	0.01	-3.74e-05	1.90e-06	7.09e-05	-9.37e-03
		-9.37e-03	-7.06e-05	-1.04e-04	0.0	378.4	-0.62	-0.01	-3.74e-05	1.90e-06	-7.06e-05	-9.37e-03
372	10	4.68e-03	7.11e-05	-0.02	-0.03	0.0	-0.63	0.01	-3.75e-05	0.0	7.11e-05	-9.37e-03
		-9.37e-03	-7.10e-05	-1.06e-04	0.0	378.4	-0.63	-0.01	-3.75e-05	0.0	-7.10e-05	-9.36e-03
372	11	4.68e-03	7.10e-05	-0.02	-0.03	0.0	-0.63	0.01	-3.75e-05	2.06e-06	7.10e-05	-9.37e-03
		-9.37e-03	-7.08e-05	2.28e-04	0.0	378.4	-0.63	-0.01	-3.75e-05	2.06e-06	-7.08e-05	-9.37e-03
373	1	6.31e-03	9.90e-05	-0.03	-0.04	0.0	-0.94	0.02	-5.25e-05	5.20e-06	9.90e-05	-0.01
		-0.01	-9.98e-05	-1.34e-04	0.0	378.4	-0.94	-0.02	-5.25e-05	5.20e-06	-9.98e-05	-0.01
373	2	6.32e-03	9.96e-05	-0.03	-0.04	0.0	-0.94	0.02	-5.29e-05	3.15e-06	9.96e-05	-0.01
		-0.01	-1.00e-04	-1.33e-04	0.0	378.4	-0.94	-0.02	-5.29e-05	3.15e-06	-1.00e-04	-0.01
373	3	6.32e-03	1.00e-04	-0.03	-0.04	0.0	-0.95	0.02	-5.31e-05	1.10e-06	1.00e-04	-0.01
		-0.01	-1.01e-04	-1.31e-04	0.0	378.4	-0.95	-0.02	-5.31e-05	1.10e-06	-1.01e-04	-0.01
373	4	6.32e-03	9.99e-05	-0.03	-0.04	0.0	-0.92	0.02	-5.30e-05	0.0	9.99e-05	-0.01
		-0.01	-1.01e-04	-3.43e-04	0.0	378.4	-0.92	-0.02	-5.30e-05	0.0	-1.01e-04	-0.01
373	5	53.70	1.19e-04	-266.06	-340.62	0.0	-1.01	170.31	-6.32e-05	-2.29e-06	1.19e-04	-107.41
		-107.41	-1.20e-04	-3.20e-04	0.0	378.4	-1.01	-170.31	-6.32e-05	-2.29e-06	-1.20e-04	-107.41
373	6	6.31e-03	9.90e-05	-0.03	-0.04	0.0	-0.92	0.02	-5.25e-05	5.10e-06	9.90e-05	-0.01
		-0.01	-9.98e-05	-1.31e-04	0.0	378.4	-0.92	-0.02	-5.25e-05	5.10e-06	-9.98e-05	-0.01
373	7	6.32e-03	9.77e-05	-0.03	-0.04	0.0	-0.93	0.02	-5.18e-05	3.80e-06	9.77e-05	-0.01

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		-0.01	-9.84e-05	1.29e-04	0.0	378.4	-0.93	-0.02	-5.18e-05	3.80e-06	-9.84e-05	-0.01
373	8	4.68e-03	7.71e-05	-0.02	-0.03	0.0	-0.73	0.01	-4.09e-05	0.0	7.71e-05	-9.37e-03
		-9.37e-03	-7.78e-05	1.05e-04	0.0	378.4	-0.73	-0.01	-4.09e-05	0.0	-7.78e-05	-9.37e-03
373	9	4.68e-03	7.02e-05	-0.02	-0.03	0.0	-0.66	0.01	-3.73e-05	3.40e-06	7.02e-05	-9.37e-03
		-9.37e-03	-7.08e-05	-9.36e-05	0.0	378.4	-0.66	-0.01	-3.73e-05	3.40e-06	-7.08e-05	-9.37e-03
373	10	4.68e-03	7.08e-05	-0.02	-0.03	0.0	-0.67	0.01	-3.76e-05	1.12e-06	7.08e-05	-9.37e-03
		-9.37e-03	-7.14e-05	-9.18e-05	0.0	378.4	-0.67	-0.01	-3.76e-05	1.12e-06	-7.14e-05	-9.37e-03
373	11	4.68e-03	7.02e-05	-0.02	-0.03	0.0	-0.66	0.01	-3.72e-05	3.34e-06	7.02e-05	-9.37e-03
		-9.37e-03	-7.07e-05	-9.18e-05	0.0	378.4	-0.66	-0.01	-3.72e-05	3.34e-06	-7.07e-05	-9.37e-03
374	1	6.30e-03	9.45e-05	-0.03	-0.04	0.0	-1.11	0.02	-5.10e-05	1.51e-05	9.45e-05	-0.01
		-0.01	-9.85e-05	1.34e-04	0.0	378.4	-1.11	-0.02	-5.10e-05	1.51e-05	-9.85e-05	-0.01
374	2	6.30e-03	9.50e-05	-0.03	-0.04	0.0	-1.11	0.02	-5.13e-05	1.55e-05	9.50e-05	-0.01
		-0.01	-9.92e-05	-1.39e-04	0.0	378.4	-1.11	-0.02	-5.13e-05	1.55e-05	-9.92e-05	-0.01
374	3	6.30e-03	9.60e-05	-0.03	-0.04	0.0	-1.12	0.02	-5.18e-05	1.37e-05	9.60e-05	-0.01
		-0.01	-1.00e-04	-1.56e-04	0.0	378.4	-1.12	-0.02	-5.18e-05	1.37e-05	-1.00e-04	-0.01
374	4	6.30e-03	9.61e-05	-0.03	-0.04	0.0	-1.12	0.02	-5.19e-05	1.36e-05	9.61e-05	-0.01
		-0.01	-1.00e-04	-3.96e-04	0.0	378.4	-1.12	-0.02	-5.19e-05	1.36e-05	-1.00e-04	-0.01
374	5	26.85	1.10e-04	-133.03	-170.30	0.0	-1.23	85.15	-5.96e-05	1.91e-05	1.10e-04	-53.70
		-53.70	-1.15e-04	-3.32e-04	0.0	378.4	-1.23	-85.15	-5.96e-05	1.91e-05	-1.15e-04	-53.70
374	6	6.30e-03	9.47e-05	-0.03	-0.04	0.0	-1.11	0.02	-5.12e-05	1.51e-05	9.47e-05	-0.01
		-0.01	-9.88e-05	-1.47e-04	0.0	378.4	-1.11	-0.02	-5.12e-05	1.51e-05	-9.88e-05	-0.01
374	7	6.30e-03	9.38e-05	-0.03	-0.04	0.0	-1.11	0.02	-5.06e-05	1.43e-05	9.38e-05	-0.01
		-0.01	-9.78e-05	-1.67e-04	0.0	378.4	-1.11	-0.02	-5.06e-05	1.43e-05	-9.78e-05	-0.01
374	8	4.67e-03	7.40e-05	-0.02	-0.03	0.0	-0.87	0.01	-3.99e-05	1.07e-05	7.40e-05	-9.38e-03
		-9.38e-03	-7.71e-05	1.38e-04	0.0	378.4	-0.87	-0.01	-3.99e-05	1.07e-05	-7.71e-05	-9.38e-03
374	9	4.67e-03	6.71e-05	-0.02	-0.03	0.0	-0.79	0.01	-3.62e-05	1.04e-05	6.71e-05	-9.38e-03
		-9.39e-03	-7.00e-05	-9.89e-05	0.0	378.4	-0.79	-0.01	-3.62e-05	1.04e-05	-7.00e-05	-9.39e-03
374	10	4.67e-03	6.79e-05	-0.02	-0.03	0.0	-0.80	0.01	-3.67e-05	9.60e-06	6.79e-05	-9.38e-03
		-9.38e-03	-7.09e-05	-1.14e-04	0.0	378.4	-0.80	-0.01	-3.67e-05	9.60e-06	-7.09e-05	-9.38e-03
374	11	4.67e-03	6.72e-05	-0.02	-0.03	0.0	-0.79	0.01	-3.63e-05	1.04e-05	6.72e-05	-9.38e-03
		-9.39e-03	-7.01e-05	-1.09e-04	0.0	378.4	-0.79	-0.01	-3.63e-05	1.04e-05	-7.01e-05	-9.39e-03
375	1	6.30e-03	1.01e-04	-0.03	-0.04	0.0	-0.89	0.02	-5.38e-05	1.01e-05	1.01e-04	-0.01
		-0.01	-1.02e-04	-1.38e-04	0.0	378.4	-0.89	-0.02	-5.38e-05	1.01e-05	-1.02e-04	-0.01
375	2	6.31e-03	1.01e-04	-0.03	-0.04	0.0	-0.89	0.02	-5.39e-05	7.53e-06	1.01e-04	-0.01
		-0.01	-1.02e-04	-1.37e-04	0.0	378.4	-0.89	-0.02	-5.39e-05	7.53e-06	-1.02e-04	-0.01
375	3	6.30e-03	1.01e-04	-0.03	-0.04	0.0	-0.88	0.02	-5.37e-05	9.50e-06	1.01e-04	-0.01
		-0.01	-1.02e-04	-1.36e-04	0.0	378.4	-0.88	-0.02	-5.37e-05	9.50e-06	-1.02e-04	-0.01
375	4	6.30e-03	1.01e-04	-0.03	-0.04	0.0	-0.85	0.02	-5.35e-05	9.62e-06	1.01e-04	-0.01
		-0.01	-1.02e-04	-3.23e-04	0.0	378.4	-0.85	-0.02	-5.35e-05	9.62e-06	-1.02e-04	-0.01
375	5	161.09	26.49	-798.08	-1021.73	0.0	29.45	510.86	84.01	-1.35e-05	-52.98	-322.19
		-322.19	-52.98	-131.24	-168.02	378.4	-31.68	-510.86	-84.01	-1.35e-05	-52.98	-322.19
375	6	6.30e-03	1.01e-04	-0.03	-0.04	0.0	-0.86	0.02	-5.36e-05	1.02e-05	1.01e-04	-0.01
		-0.01	-1.02e-04	-1.35e-04	0.0	378.4	-0.86	-0.02	-5.36e-05	1.02e-05	-1.02e-04	-0.01
375	7	6.30e-03	9.89e-05	-0.03	-0.04	0.0	-0.87	0.02	-5.25e-05	1.02e-05	9.89e-05	-0.01
		-0.01	-9.99e-05	-1.29e-04	0.0	378.4	-0.87	-0.02	-5.25e-05	1.02e-05	-9.99e-05	-0.01
375	8	4.67e-03	7.80e-05	-0.02	-0.03	0.0	-0.68	0.01	-4.14e-05	7.47e-06	7.80e-05	-9.37e-03
		-9.39e-03	-7.88e-05	1.11e-04	0.0	378.4	-0.68	-0.01	-4.14e-05	7.47e-06	-7.88e-05	-9.39e-03
375	9	4.67e-03	7.16e-05	-0.02	-0.03	0.0	-0.63	0.01	-3.80e-05	6.98e-06	7.16e-05	-9.38e-03
		-9.38e-03	-7.23e-05	-9.63e-05	0.0	378.4	-0.63	-0.01	-3.80e-05	6.98e-06	-7.23e-05	-9.38e-03
375	10	4.67e-03	7.15e-05	-0.02	-0.03	0.0	-0.63	0.01	-3.80e-05	6.62e-06	7.15e-05	-9.37e-03
		-9.39e-03	-7.22e-05	-9.51e-05	0.0	378.4	-0.63	-0.01	-3.80e-05	6.62e-06	-7.22e-05	-9.39e-03
375	11	4.67e-03	7.13e-05	-0.02	-0.03	0.0	-0.61	0.01	-3.79e-05	6.98e-06	7.13e-05	-9.38e-03
		-9.38e-03	-7.21e-05	-9.45e-05	0.0	378.4	-0.61	-0.01	-3.79e-05	6.98e-06	-7.21e-05	-9.38e-03
376	1	6.30e-03	9.85e-05	-0.03	-0.04	0.0	-1.12	0.02	-5.10e-05	1.44e-05	9.85e-05	-0.01
		-0.01	-9.44e-05	-1.48e-04	0.0	378.4	-1.12	-0.02	-5.10e-05	1.44e-05	-9.44e-05	-0.01
376	2	6.30e-03	9.88e-05	-0.03	-0.04	0.0	-1.12	0.02	-5.11e-05	1.48e-05	9.88e-05	-0.01
		-0.01	-9.47e-05	-1.51e-04	0.0	378.4	-1.12	-0.02	-5.11e-05	1.48e-05	-9.47e-05	-0.01
376	3	6.30e-03	1.01e-04	-0.03	-0.04	0.0	-1.14	0.02	-5.21e-05	1.34e-05	1.01e-04	-0.01
		-0.01	-9.64e-05	-1.50e-04	0.0	378.4	-1.14	-0.02	-5.21e-05	1.34e-05	-9.64e-05	-0.01
376	4	6.30e-03	1.01e-04	-0.03	-0.04	0.0	-1.16	0.02	-5.23e-05	1.33e-05	1.01e-04	-0.01
		-0.01	-9.68e-05	2.69e-04	0.0	378.4	-1.16	-0.02	-5.23e-05	1.33e-05	-9.68e-05	-0.01
376	5	26.85	1.15e-04	-133.02	-170.30	0.0	-1.26	85.15	-5.94e-05	1.80e-05	1.15e-04	-53.70
		-53.70	-1.10e-04	2.33e-04	0.0	378.4	-1.26	-85.15	-5.94e-05	1.80e-05	-1.10e-04	-53.70
376	6	6.30e-03	9.90e-05	-0.03	-0.04	0.0	-1.14	0.02	-5.12e-05	1.44e-05	9.90e-05	-0.01
		-0.01	-9.48e-05	3.06e-04	0.0	378.4	-1.14	-0.02	-5.12e-05	1.44e-05	-9.48e-05	-0.01
376	7	6.30e-03	9.81e-05	-0.03	-0.04	0.0	-1.12	0.02	-5.08e-05	1.41e-05	9.81e-05	-0.01
		-0.01	-9.40e-05	-1.43e-04	0.0	378.4	-1.12	-0.02	-5.08e-05	1.41e-05	-9.40e-05	-0.01
376	8	4.67e-03	7.75e-05	-0.02	-0.03	0.0	-0.88	0.01	-4.01e-05	1.05e-05	7.75e-05	-9.38e-03
		-9.38e-03	-7.43e-05	-1.17e-04	0.0	378.4	-0.88	-0.01	-4.01e-05	1.05e-05	-7.43e-05	-9.38e-03
376	9	4.67e-03	7.00e-05	-0.02	-0.03	0.0	-0.80	0.01	-3.62e-05	9.98e-06	7.00e-05	-9.39e-03
		-9.39e-03	-6.71e-05	-1.04e-04	0.0	378.4	-0.80	-0.01	-3.62e-05	9.98e-06	-6.71e-05	-9.39e-03
376	10	4.67e-03	7.12e-05	-0.02	-0.03	0.0	-0.81	0.01	-3.68e-05	9.41e-06	7.12e-05	-9.38e-03

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO					S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234							
376	11	-9.38e-03	-6.82e-05	-1.05e-04	0.0	378.4	-0.81	-0.01	-3.68e-05	9.41e-06	-6.82e-05	-9.38e-03
		4.67e-03	7.03e-05	-0.02	-0.03	0.0	-0.81	0.01	-3.64e-05	9.94e-06	7.03e-05	-9.39e-03
		-9.39e-03	-6.73e-05	1.70e-04	0.0	378.4	-0.81	-0.01	-3.64e-05	9.94e-06	-6.73e-05	-9.38e-03
377	1	6.32e-03	9.95e-05	-0.03	-0.04	0.0	-0.95	0.02	-5.24e-05	2.85e-06	9.95e-05	-0.01
		-0.01	-9.88e-05	-1.42e-04	0.0	378.4	-0.95	-0.02	-5.24e-05	2.85e-06	-9.88e-05	-0.01
377	2	6.32e-03	1.00e-04	-0.03	-0.04	0.0	-0.95	0.02	-5.27e-05	3.26e-06	1.00e-04	-0.01
		-0.01	-9.93e-05	-1.42e-04	0.0	378.4	-0.95	-0.02	-5.27e-05	3.26e-06	-9.93e-05	-0.01
377	3	6.33e-03	1.01e-04	-0.03	-0.04	0.0	-0.96	0.02	-5.33e-05	0.0	1.01e-04	-0.01
		-0.01	-1.00e-04	-1.46e-04	0.0	378.4	-0.96	-0.02	-5.33e-05	0.0	-1.00e-04	-0.01
377	4	6.33e-03	1.02e-04	-0.03	-0.04	0.0	-0.99	0.02	-5.36e-05	0.0	1.02e-04	-0.01
		-0.01	-1.01e-04	3.38e-04	0.0	378.4	-0.99	-0.02	-5.36e-05	0.0	-1.01e-04	-0.01
377	5	53.70	1.20e-04	-266.06	-340.62	0.0	-1.04	170.31	-6.31e-05	-2.64e-06	1.20e-04	-107.41
		-107.41	-1.19e-04	2.78e-04	0.0	378.4	-1.04	-170.31	-6.31e-05	-2.64e-06	-1.19e-04	-107.41
377	6	6.32e-03	9.99e-05	-0.03	-0.04	0.0	-0.97	0.02	-5.26e-05	2.96e-06	9.99e-05	-0.01
		-0.01	-9.92e-05	3.70e-04	0.0	378.4	-0.97	-0.02	-5.26e-05	2.96e-06	-9.92e-05	-0.01
377	7	6.32e-03	9.87e-05	-0.03	-0.04	0.0	-0.94	0.02	-5.20e-05	2.07e-06	9.87e-05	-0.01
		-0.01	-9.80e-05	-1.43e-04	0.0	378.4	-0.94	-0.02	-5.20e-05	2.07e-06	-9.80e-05	-0.01
377	8	4.69e-03	7.79e-05	-0.02	-0.03	0.0	-0.74	0.01	-4.10e-05	0.0	7.79e-05	-9.36e-03
		-9.36e-03	-7.74e-05	-1.12e-04	0.0	378.4	-0.74	-0.01	-4.10e-05	0.0	-7.74e-05	-9.36e-03
377	9	4.68e-03	7.06e-05	-0.02	-0.03	0.0	-0.67	0.01	-3.72e-05	1.87e-06	7.06e-05	-9.37e-03
		-9.37e-03	-7.01e-05	-1.01e-04	0.0	378.4	-0.67	-0.01	-3.72e-05	1.87e-06	-7.01e-05	-9.37e-03
377	10	4.68e-03	7.16e-05	-0.02	-0.03	0.0	-0.68	0.01	-3.77e-05	0.0	7.16e-05	-9.37e-03
		-9.37e-03	-7.11e-05	-1.03e-04	0.0	378.4	-0.68	-0.01	-3.77e-05	0.0	-7.11e-05	-9.37e-03
377	11	4.68e-03	7.09e-05	-0.02	-0.03	0.0	-0.69	0.01	-3.73e-05	1.93e-06	7.09e-05	-9.37e-03
		-9.37e-03	-7.04e-05	2.16e-04	0.0	378.4	-0.69	-0.01	-3.73e-05	1.93e-06	-7.04e-05	-9.37e-03
378	1	6.25e-03	1.03e-04	-0.03	-0.04	0.0	-0.99	0.02	-5.36e-05	3.87e-05	1.03e-04	-0.01
		-0.01	-9.99e-05	-1.45e-04	0.0	378.4	-0.99	-0.02	-5.36e-05	3.87e-05	-9.99e-05	-0.01
378	2	6.24e-03	1.02e-04	-0.03	-0.04	0.0	-0.97	0.02	-5.32e-05	3.92e-05	1.02e-04	-0.01
		-0.01	-9.92e-05	-1.45e-04	0.0	378.4	-0.97	-0.02	-5.32e-05	3.92e-05	-9.92e-05	-0.01
378	3	6.24e-03	1.01e-04	-0.03	-0.04	0.0	-0.97	0.02	-5.28e-05	4.09e-05	1.01e-04	-0.01
		-0.01	-9.84e-05	-1.44e-04	0.0	378.4	-0.97	-0.02	-5.28e-05	4.09e-05	-9.84e-05	-0.01
378	4	6.24e-03	1.01e-04	-0.03	-0.04	0.0	-0.93	0.02	-5.24e-05	4.12e-05	1.01e-04	-0.01
		-0.01	-9.78e-05	-3.41e-04	0.0	378.4	-0.93	-0.02	-5.24e-05	4.12e-05	-9.78e-05	-0.01
378	5	6.23e-03	1.18e-04	-0.03	-0.04	0.0	-0.99	0.02	-6.15e-05	4.38e-05	1.18e-04	-0.01
		-0.01	-1.15e-04	-3.18e-04	0.0	378.4	-0.99	-0.02	-6.15e-05	4.38e-05	-1.15e-04	-0.01
378	6	6.25e-03	1.02e-04	-0.03	-0.04	0.0	-0.96	0.02	-5.32e-05	3.85e-05	1.02e-04	-0.01
		-0.01	-9.93e-05	-1.42e-04	0.0	378.4	-0.96	-0.02	-5.32e-05	3.85e-05	-9.93e-05	-0.01
378	7	6.24e-03	9.96e-05	-0.03	-0.04	0.0	-0.95	0.02	-5.19e-05	3.98e-05	9.96e-05	-0.01
		-0.01	-9.68e-05	-1.40e-04	0.0	378.4	-0.95	-0.02	-5.19e-05	3.98e-05	-9.68e-05	-0.01
378	8	4.62e-03	7.82e-05	-0.02	-0.03	0.0	-0.74	0.01	-4.07e-05	3.24e-05	7.82e-05	-9.44e-03
		-9.44e-03	-7.59e-05	-1.12e-04	0.0	378.4	-0.74	-0.01	-4.07e-05	3.24e-05	-7.59e-05	-9.43e-03
378	9	4.63e-03	7.24e-05	-0.02	-0.03	0.0	-0.69	0.01	-3.77e-05	2.68e-05	7.24e-05	-9.43e-03
		-9.43e-03	-7.03e-05	-1.02e-04	0.0	378.4	-0.69	-0.01	-3.77e-05	2.68e-05	-7.03e-05	-9.41e-03
378	10	4.63e-03	7.16e-05	-0.02	-0.03	0.0	-0.68	0.01	-3.73e-05	2.80e-05	7.16e-05	-9.43e-03
		-9.43e-03	-6.95e-05	-1.01e-04	0.0	378.4	-0.68	-0.01	-3.73e-05	2.80e-05	-6.95e-05	-9.42e-03
378	11	4.63e-03	7.21e-05	-0.02	-0.03	0.0	-0.68	0.01	-3.75e-05	2.67e-05	7.21e-05	-9.43e-03
		-9.43e-03	-7.00e-05	-9.97e-05	0.0	378.4	-0.68	-0.01	-3.75e-05	2.67e-05	-7.00e-05	-9.41e-03
379	1	4.46e-03	1.10e-06	-0.03	-0.03	0.0	-1.53	0.02	-2.56e-06	4.44e-05	1.10e-06	-8.86e-03
		-8.86e-03	-7.01e-06	3.76e-04	0.0	316.2	-1.53	-0.02	-2.56e-06	4.44e-05	-7.01e-06	-8.71e-03
379	2	4.46e-03	0.0	-0.03	-0.03	0.0	-1.74	0.02	-2.75e-06	4.15e-05	0.0	-8.86e-03
		-8.86e-03	-7.70e-06	3.16e-04	0.0	316.2	-1.74	-0.02	-2.75e-06	4.15e-05	-7.70e-06	-8.71e-03
379	3	4.46e-03	1.05e-06	-0.03	-0.03	0.0	-1.47	0.02	-2.52e-06	4.30e-05	1.05e-06	-8.86e-03
		-8.86e-03	-6.91e-06	3.98e-04	0.0	316.2	-1.47	-0.02	-2.52e-06	4.30e-05	-6.91e-06	-8.71e-03
379	4	4.46e-03	1.05e-06	-0.03	-0.03	0.0	-1.48	0.02	-2.53e-06	4.30e-05	1.05e-06	-8.86e-03
		-8.86e-03	-6.96e-06	2.65e-05	0.0	316.2	-1.48	-0.02	-2.53e-06	4.30e-05	-6.96e-06	-8.71e-03
379	5	4.46e-03	1.05e-06	-0.03	-0.03	0.0	-1.51	0.02	-2.54e-06	4.31e-05	1.05e-06	-8.86e-03
		-8.86e-03	-6.97e-06	2.70e-05	0.0	316.2	-1.51	-0.02	-2.54e-06	4.31e-05	-6.97e-06	-8.71e-03
379	6	4.46e-03	1.10e-06	-0.03	-0.03	0.0	-1.54	0.02	-2.55e-06	4.42e-05	1.10e-06	-8.86e-03
		-8.86e-03	-6.98e-06	3.16e-05	0.0	316.2	-1.54	-0.02	-2.55e-06	4.42e-05	-6.98e-06	-8.71e-03
379	7	4.46e-03	1.06e-06	-0.03	-0.03	0.0	-1.47	0.02	-2.49e-06	4.32e-05	1.06e-06	-8.86e-03
		-8.86e-03	-6.82e-06	3.48e-05	0.0	316.2	-1.47	-0.02	-2.49e-06	4.32e-05	-6.82e-06	-8.72e-03
379	8	3.30e-03	0.0	-0.02	-0.02	0.0	-1.14	0.01	-1.94e-06	3.38e-05	0.0	-6.57e-03
		-6.57e-03	-5.33e-06	3.39e-04	0.0	316.2	-1.14	-0.01	-1.94e-06	3.38e-05	-5.33e-06	-6.45e-03
379	9	3.30e-03	0.0	-0.02	-0.02	0.0	-1.07	0.01	-1.80e-06	3.05e-05	0.0	-6.56e-03
		-6.56e-03	-4.94e-06	2.12e-04	0.0	316.2	-1.07	-0.01	-1.80e-06	3.05e-05	-4.94e-06	-6.46e-03
379	10	3.30e-03	0.0	-0.02	-0.02	0.0	-1.04	0.01	-1.78e-06	2.97e-05	0.0	-6.56e-03
		-6.56e-03	-4.89e-06	2.25e-04	0.0	316.2	-1.04	-0.01	-1.78e-06	2.97e-05	-4.89e-06	-6.46e-03
379	11	3.30e-03	0.0	-0.02	-0.02	0.0	-1.08	0.01	-1.80e-06	3.04e-05	0.0	-6.56e-03
		-6.56e-03	-4.93e-06	2.24e-05	0.0	316.2	-1.08	-0.01	-1.80e-06	3.04e-05	-4.93e-06	-6.46e-03
380	1	4.38e-03	1.68e-05	-0.02	-0.03	0.0	0.61	0.02	5.60e-06	1.09e-05	0.0	-8.69e-03
		-9.05e-03	0.0	9.08e-04	0.0	316.2	0.61	-0.02	5.60e-06	1.09e-05	1.68e-05	-9.05e-03
380	2	4.38e-03	1.72e-05	-0.02	-0.03	0.0	0.62	0.02	5.68e-06	1.42e-05	0.0	-8.70e-03

380	3	-9.03e-03	0.0	6.95e-04	0.0	316.2	0.62	-0.02	5.68e-06	1.42e-05	1.72e-05	-9.03e-03
		4.38e-03	1.65e-05	-0.02	-0.03	0.0	0.61	0.02	5.48e-06	1.15e-05	0.0	-8.69e-03
		-9.05e-03	0.0	-2.39e-04	0.0	316.2	0.61	-0.02	5.48e-06	1.15e-05	1.65e-05	-9.05e-03
380	4	4.38e-03	1.67e-05	-0.02	-0.03	0.0	0.61	0.02	5.54e-06	1.14e-05	0.0	-8.69e-03
		-9.05e-03	0.0	9.69e-04	0.0	316.2	0.61	-0.02	5.54e-06	1.14e-05	1.67e-05	-9.05e-03
380	5	4.38e-03	1.67e-05	-0.02	-0.03	0.0	0.61	0.02	5.57e-06	1.17e-05	0.0	-8.69e-03
		-9.04e-03	0.0	9.78e-04	0.0	316.2	0.61	-0.02	5.57e-06	1.17e-05	1.67e-05	-9.04e-03
380	6	4.38e-03	1.72e-05	-0.02	-0.03	0.0	0.63	0.02	5.71e-06	1.12e-05	0.0	-8.69e-03
		-9.05e-03	0.0	9.79e-04	0.0	316.2	0.63	-0.02	5.71e-06	1.12e-05	1.72e-05	-9.05e-03
380	7	4.38e-03	1.66e-05	-0.02	-0.03	0.0	0.61	0.02	5.54e-06	1.13e-05	0.0	-8.69e-03
		-9.05e-03	0.0	9.51e-04	0.0	316.2	0.61	-0.02	5.54e-06	1.13e-05	1.66e-05	-9.05e-03
380	8	3.24e-03	1.28e-05	-0.02	-0.02	0.0	0.47	0.01	4.25e-06	8.90e-06	0.0	-6.43e-03
		-6.71e-03	0.0	-1.35e-04	0.0	316.2	0.47	-0.01	4.25e-06	8.90e-06	1.28e-05	-6.71e-03
380	9	3.24e-03	1.18e-05	-0.02	-0.02	0.0	0.43	0.01	3.92e-06	7.66e-06	0.0	-6.44e-03
		-6.69e-03	0.0	6.49e-04	0.0	316.2	0.43	-0.01	3.92e-06	7.66e-06	1.18e-05	-6.69e-03
380	10	3.24e-03	1.16e-05	-0.02	-0.02	0.0	0.43	0.01	3.85e-06	7.96e-06	0.0	-6.44e-03
		-6.69e-03	0.0	-2.76e-04	0.0	316.2	0.43	-0.01	3.85e-06	7.96e-06	1.16e-05	-6.69e-03
380	11	3.24e-03	1.20e-05	-0.02	-0.02	0.0	0.44	0.01	3.98e-06	7.78e-06	0.0	-6.44e-03
		-6.69e-03	0.0	6.89e-04	0.0	316.2	0.44	-0.01	3.98e-06	7.78e-06	1.20e-05	-6.69e-03
381	1	4.43e-03	1.62e-05	-0.03	-0.03	0.0	-0.49	0.02	-6.38e-06	2.41e-05	1.62e-05	-8.77e-03
		-8.86e-03	-3.99e-06	3.26e-04	0.0	316.2	-0.49	-0.02	-6.38e-06	2.41e-05	-3.99e-06	-8.86e-03
381	2	4.43e-03	1.69e-05	-0.03	-0.03	0.0	-0.51	0.02	-6.59e-06	3.02e-05	1.69e-05	-8.77e-03
		-8.85e-03	-3.94e-06	9.04e-05	0.0	316.2	-0.51	-0.02	-6.59e-06	3.02e-05	-3.94e-06	-8.85e-03
381	3	4.43e-03	1.59e-05	-0.02	-0.03	0.0	-0.47	0.02	-6.17e-06	2.47e-05	1.59e-05	-8.77e-03
		-8.86e-03	-3.62e-06	-3.37e-04	0.0	316.2	-0.47	-0.02	-6.17e-06	2.47e-05	-3.62e-06	-8.86e-03
381	4	4.43e-03	1.61e-05	-0.02	-0.03	0.0	-0.48	0.02	-6.33e-06	2.47e-05	1.61e-05	-8.77e-03
		-8.86e-03	-3.93e-06	3.92e-04	0.0	316.2	-0.48	-0.02	-6.33e-06	2.47e-05	-3.93e-06	-8.86e-03
381	5	4.43e-03	1.62e-05	-0.02	-0.03	0.0	-0.48	0.02	-6.36e-06	2.53e-05	1.62e-05	-8.77e-03
		-8.86e-03	-3.92e-06	3.96e-04	0.0	316.2	-0.48	-0.02	-6.36e-06	2.53e-05	-3.92e-06	-8.86e-03
381	6	4.43e-03	1.65e-05	-0.03	-0.03	0.0	-0.49	0.02	-6.50e-06	2.45e-05	1.65e-05	-8.77e-03
		-8.86e-03	-4.02e-06	3.84e-04	0.0	316.2	-0.49	-0.02	-6.50e-06	2.45e-05	-4.02e-06	-8.86e-03
381	7	4.43e-03	1.60e-05	-0.02	-0.03	0.0	-0.48	0.02	-6.31e-06	2.45e-05	1.60e-05	-8.77e-03
		-8.86e-03	-3.91e-06	3.74e-04	0.0	316.2	-0.48	-0.02	-6.31e-06	2.45e-05	-3.91e-06	-8.86e-03
381	8	3.28e-03	1.23e-05	-0.02	-0.02	0.0	-0.36	0.01	-4.78e-06	1.92e-05	1.23e-05	-6.50e-03
		-6.57e-03	-2.79e-06	-3.18e-04	0.0	316.2	-0.36	-0.01	-4.78e-06	1.92e-05	-2.79e-06	-6.57e-03
381	9	3.28e-03	1.14e-05	-0.02	-0.02	0.0	-0.34	0.01	-4.48e-06	1.69e-05	1.14e-05	-6.50e-03
		-6.56e-03	-2.79e-06	2.40e-04	0.0	316.2	-0.34	-0.01	-4.48e-06	1.69e-05	-2.79e-06	-6.56e-03
381	10	3.28e-03	1.12e-05	-0.02	-0.02	0.0	-0.33	0.01	-4.36e-06	1.72e-05	1.12e-05	-6.50e-03
		-6.56e-03	-2.59e-06	-1.31e-04	0.0	316.2	-0.33	-0.01	-4.36e-06	1.72e-05	-2.59e-06	-6.56e-03
381	11	3.28e-03	1.16e-05	-0.02	-0.02	0.0	-0.35	0.01	-4.55e-06	1.71e-05	1.16e-05	-6.50e-03
		-6.56e-03	-2.81e-06	2.73e-04	0.0	316.2	-0.35	-0.01	-4.55e-06	1.71e-05	-2.81e-06	-6.56e-03
382	1	4.48e-03	0.0	-0.02	-0.03	0.0	-2.43	0.02	1.33e-06	7.45e-06	-3.66e-06	-8.72e-03
		-8.81e-03	-3.66e-06	3.12e-04	0.0	316.2	-2.43	-0.02	1.33e-06	7.45e-06	0.0	-8.81e-03
382	2	4.48e-03	0.0	-0.02	-0.03	0.0	-2.61	0.02	1.08e-06	1.64e-05	-3.26e-06	-8.72e-03
		-8.81e-03	-3.26e-06	6.51e-05	0.0	316.2	-2.61	-0.02	1.08e-06	1.64e-05	0.0	-8.81e-03
382	3	4.48e-03	0.0	-0.02	-0.03	0.0	-2.42	0.02	0.0	8.29e-06	-3.24e-06	-8.72e-03
		-8.81e-03	-3.24e-06	-3.56e-04	0.0	316.2	-2.42	-0.02	0.0	8.29e-06	0.0	-8.81e-03
382	4	4.48e-03	0.0	-0.02	-0.03	0.0	-2.39	0.02	1.29e-06	8.28e-06	-3.56e-06	-8.72e-03
		-8.81e-03	-3.56e-06	3.76e-04	0.0	316.2	-2.39	-0.02	1.29e-06	8.28e-06	0.0	-8.81e-03
382	5	4.48e-03	0.0	-0.02	-0.03	0.0	-2.42	0.02	1.28e-06	9.05e-06	-3.53e-06	-8.72e-03
		-8.81e-03	-3.53e-06	3.78e-04	0.0	316.2	-2.42	-0.02	1.28e-06	9.05e-06	0.0	-8.81e-03
382	6	4.48e-03	0.0	-0.02	-0.03	0.0	-2.47	0.02	1.32e-06	7.97e-06	-3.66e-06	-8.72e-03
		-8.81e-03	-3.66e-06	3.68e-04	0.0	316.2	-2.47	-0.02	1.32e-06	7.97e-06	0.0	-8.81e-03
382	7	4.48e-03	0.0	-0.02	-0.03	0.0	-2.38	0.02	1.29e-06	7.90e-06	-3.56e-06	-8.72e-03
		-8.81e-03	-3.56e-06	3.59e-04	0.0	316.2	-2.38	-0.02	1.29e-06	7.90e-06	0.0	-8.81e-03
382	8	3.32e-03	0.0	-0.02	-0.02	0.0	-1.87	0.01	0.0	6.06e-06	-2.51e-06	-6.46e-03
		-6.53e-03	-2.51e-06	-3.32e-04	0.0	316.2	-1.87	-0.01	0.0	6.06e-06	0.0	-6.53e-03
382	9	3.31e-03	0.0	-0.02	-0.02	0.0	-1.71	0.01	0.0	5.69e-06	-2.54e-06	-6.47e-03
		-6.52e-03	-2.54e-06	2.30e-04	0.0	316.2	-1.71	-0.01	0.0	5.69e-06	0.0	-6.52e-03
382	10	3.31e-03	0.0	-0.02	-0.02	0.0	-1.70	0.01	0.0	6.16e-06	-2.31e-06	-6.47e-03
		-6.53e-03	-2.31e-06	-1.41e-04	0.0	316.2	-1.70	-0.01	0.0	6.16e-06	0.0	-6.53e-03
382	11	3.31e-03	0.0	-0.02	-0.02	0.0	-1.73	0.01	0.0	5.98e-06	-2.54e-06	-6.47e-03
		-6.53e-03	-2.54e-06	2.61e-04	0.0	316.2	-1.73	-0.01	0.0	5.98e-06	0.0	-6.53e-03
383	1	4.51e-03	0.0	-0.02	-0.03	0.0	-3.78	0.02	0.0	1.18e-05	0.0	-8.68e-03
		-8.79e-03	-1.35e-06	3.31e-04	0.0	316.2	-3.78	-0.02	0.0	1.18e-05	-1.35e-06	-8.79e-03
383	2	4.51e-03	0.0	-0.02	-0.03	0.0	-4.10	0.02	0.0	2.08e-05	0.0	-8.68e-03
		-8.78e-03	-1.26e-06	8.79e-05	0.0	316.2	-4.10	-0.02	0.0	2.08e-05	-1.26e-06	-8.78e-03
383	3	4.51e-03	0.0	-0.02	-0.03	0.0	-3.66	0.02	0.0	1.23e-05	0.0	-8.69e-03
		-8.79e-03	0.0	-3.18e-04	0.0	316.2	-3.66	-0.02	0.0	1.23e-05	0.0	-8.79e-03
383	4	4.51e-03	0.0	-0.02	-0.03	0.0	-3.71	0.02	0.0	1.22e-05	0.0	-8.69e-03
		-8.79e-03	-1.44e-06	3.95e-04	0.0	316.2	-3.71	-0.02	0.0	1.22e-05	-1.44e-06	-8.79e-03
383	5	4.51e-03	0.0	-0.02	-0.03	0.0	-3.77	0.02	0.0	1.30e-05	0.0	-8.69e-03

383	6	-8.79e-03	-1.48e-06	3.97e-04	0.0	316.2	-3.77	-0.02	0.0	1.30e-05	-1.48e-06	-8.79e-03
		4.51e-03	0.0	-0.02	-0.03	0.0	-3.85	0.02	0.0	1.21e-05	0.0	-8.68e-03
		-8.79e-03	-1.54e-06	3.90e-04	0.0	316.2	-3.85	-0.02	0.0	1.21e-05	-1.54e-06	-8.79e-03
383	7	4.51e-03	0.0	-0.02	-0.03	0.0	-3.71	0.02	0.0	1.18e-05	0.0	-8.69e-03
		-8.79e-03	-1.45e-06	3.79e-04	0.0	316.2	-3.71	-0.02	0.0	1.18e-05	-1.45e-06	-8.79e-03
383	8	3.34e-03	0.0	-0.02	-0.02	0.0	-2.83	0.01	0.0	9.13e-06	0.0	-6.43e-03
		-6.51e-03	0.0	-3.01e-04	0.0	316.2	-2.83	-0.01	0.0	9.13e-06	0.0	-6.51e-03
383	9	3.34e-03	0.0	-0.02	-0.02	0.0	-2.66	0.01	0.0	8.71e-06	0.0	-6.44e-03
		-6.51e-03	0.0	2.43e-04	0.0	316.2	-2.66	-0.01	0.0	8.71e-06	0.0	-6.51e-03
383	10	3.33e-03	0.0	-0.02	-0.02	0.0	-2.59	0.01	0.0	8.99e-06	0.0	-6.44e-03
		-6.51e-03	0.0	-1.18e-04	0.0	316.2	-2.59	-0.01	0.0	8.99e-06	0.0	-6.51e-03
383	11	3.34e-03	0.0	-0.02	-0.02	0.0	-2.70	0.01	0.0	8.92e-06	0.0	-6.44e-03
		-6.51e-03	-1.07e-06	2.76e-04	0.0	316.2	-2.70	-0.01	0.0	8.92e-06	-1.07e-06	-6.51e-03
384	1	4.53e-03	0.0	-0.02	-0.03	0.0	-4.63	0.02	0.0	2.17e-05	0.0	-8.66e-03
		-8.77e-03	0.0	3.65e-04	0.0	316.2	-4.63	-0.02	0.0	2.17e-05	0.0	-8.77e-03
384	2	4.53e-03	0.0	-0.02	-0.03	0.0	-5.09	0.02	0.0	2.92e-05	0.0	-8.66e-03
		-8.77e-03	-1.04e-06	1.17e-04	0.0	316.2	-5.09	-0.02	0.0	2.92e-05	-1.04e-06	-8.77e-03
384	3	4.52e-03	0.0	-0.02	-0.03	0.0	-4.44	0.02	0.0	2.16e-05	0.0	-8.67e-03
		-8.78e-03	0.0	-2.97e-04	0.0	316.2	-4.44	-0.02	0.0	2.16e-05	0.0	-8.78e-03
384	4	4.52e-03	0.0	-0.02	-0.03	0.0	-4.53	0.02	0.0	2.16e-05	0.0	-8.67e-03
		-8.78e-03	0.0	4.32e-04	0.0	316.2	-4.53	-0.02	0.0	2.16e-05	0.0	-8.78e-03
384	5	4.52e-03	0.0	-0.02	-0.03	0.0	-4.62	0.02	0.0	2.24e-05	0.0	-8.66e-03
		-8.78e-03	0.0	4.35e-04	0.0	316.2	-4.62	-0.02	0.0	2.24e-05	0.0	-8.78e-03
384	6	4.53e-03	0.0	-0.02	-0.03	0.0	-4.70	0.02	0.0	2.19e-05	0.0	-8.66e-03
		-8.77e-03	0.0	4.32e-04	0.0	316.2	-4.70	-0.02	0.0	2.19e-05	0.0	-8.77e-03
384	7	4.52e-03	0.0	-0.02	-0.03	0.0	-4.52	0.02	0.0	2.13e-05	0.0	-8.67e-03
		-8.78e-03	0.0	4.18e-04	0.0	316.2	-4.52	-0.02	0.0	2.13e-05	0.0	-8.78e-03
384	8	3.35e-03	0.0	-0.01	-0.02	0.0	-3.43	0.01	0.0	1.65e-05	0.0	-6.41e-03
		-6.50e-03	0.0	-2.86e-04	0.0	316.2	-3.43	-0.01	0.0	1.65e-05	0.0	-6.50e-03
384	9	3.35e-03	0.0	-0.01	-0.02	0.0	-3.26	0.01	0.0	1.55e-05	0.0	-6.42e-03
		-6.50e-03	0.0	2.67e-04	0.0	316.2	-3.26	-0.01	0.0	1.55e-05	0.0	-6.50e-03
384	10	3.35e-03	0.0	-0.01	-0.02	0.0	-3.15	0.01	0.0	1.55e-05	0.0	-6.43e-03
		-6.50e-03	0.0	-1.01e-04	0.0	316.2	-3.15	-0.01	0.0	1.55e-05	0.0	-6.50e-03
384	11	3.35e-03	0.0	-0.01	-0.02	0.0	-3.30	0.01	0.0	1.57e-05	0.0	-6.42e-03
		-6.50e-03	0.0	3.04e-04	0.0	316.2	-3.30	-0.01	0.0	1.57e-05	0.0	-6.50e-03
385	1	4.53e-03	0.0	-0.02	-0.03	0.0	-4.97	0.02	0.0	3.18e-05	0.0	-8.65e-03
		-8.77e-03	0.0	3.89e-04	0.0	316.2	-4.97	-0.02	0.0	3.18e-05	0.0	-8.77e-03
385	2	4.54e-03	0.0	-0.02	-0.03	0.0	-5.53	0.02	0.0	3.69e-05	0.0	-8.64e-03
		-8.77e-03	0.0	1.40e-04	0.0	316.2	-5.53	-0.02	0.0	3.69e-05	0.0	-8.77e-03
385	3	4.53e-03	0.0	-0.02	-0.03	0.0	-4.77	0.02	0.0	3.12e-05	0.0	-8.66e-03
		-8.78e-03	0.0	-2.84e-04	0.0	316.2	-4.77	-0.02	0.0	3.12e-05	0.0	-8.78e-03
385	4	4.53e-03	0.0	-0.02	-0.03	0.0	-4.84	0.02	0.0	3.12e-05	0.0	-8.66e-03
		-8.78e-03	0.0	4.54e-04	0.0	316.2	-4.84	-0.02	0.0	3.12e-05	0.0	-8.78e-03
385	5	4.53e-03	0.0	-0.02	-0.03	0.0	-4.95	0.02	0.0	3.18e-05	0.0	-8.65e-03
		-8.78e-03	0.0	4.60e-04	0.0	316.2	-4.95	-0.02	0.0	3.18e-05	0.0	-8.78e-03
385	6	4.53e-03	0.0	-0.02	-0.03	0.0	-5.02	0.02	0.0	3.20e-05	0.0	-8.65e-03
		-8.77e-03	-1.03e-06	4.60e-04	0.0	316.2	-5.02	-0.02	0.0	3.20e-05	-1.03e-06	-8.77e-03
385	7	4.53e-03	0.0	-0.02	-0.03	0.0	-4.84	0.02	0.0	3.10e-05	0.0	-8.66e-03
		-8.78e-03	0.0	4.42e-04	0.0	316.2	-4.84	-0.02	0.0	3.10e-05	0.0	-8.78e-03
385	8	3.36e-03	0.0	-0.01	-0.02	0.0	-3.67	0.01	0.0	2.41e-05	0.0	-6.40e-03
		-6.50e-03	0.0	-2.76e-04	0.0	316.2	-3.67	-0.01	0.0	2.41e-05	0.0	-6.50e-03
385	9	3.35e-03	0.0	-0.01	-0.02	0.0	-3.50	0.01	0.0	2.24e-05	0.0	-6.42e-03
		-6.50e-03	0.0	2.83e-04	0.0	316.2	-3.50	-0.01	0.0	2.24e-05	0.0	-6.50e-03
385	10	3.35e-03	0.0	-0.01	-0.02	0.0	-3.38	0.01	0.0	2.21e-05	0.0	-6.42e-03
		-6.50e-03	0.0	-9.04e-05	0.0	316.2	-3.38	-0.01	0.0	2.21e-05	0.0	-6.50e-03
385	11	3.35e-03	0.0	-0.01	-0.02	0.0	-3.53	0.01	0.0	2.25e-05	0.0	-6.42e-03
		-6.50e-03	0.0	3.23e-04	0.0	316.2	-3.53	-0.01	0.0	2.25e-05	0.0	-6.50e-03
386	1	4.53e-03	1.35e-06	-0.02	-0.03	0.0	-4.80	0.02	0.0	4.07e-05	0.0	-8.65e-03
		-8.78e-03	0.0	3.86e-04	0.0	316.2	-4.80	-0.02	0.0	4.07e-05	1.35e-06	-8.78e-03
386	2	4.53e-03	1.23e-06	-0.02	-0.03	0.0	-5.42	0.02	0.0	4.28e-05	0.0	-8.64e-03
		-8.78e-03	0.0	1.23e-04	0.0	316.2	-5.42	-0.02	0.0	4.28e-05	1.23e-06	-8.78e-03
386	3	4.53e-03	1.45e-06	-0.02	-0.03	0.0	-4.60	0.02	0.0	3.96e-05	0.0	-8.65e-03
		-8.78e-03	0.0	-2.97e-04	0.0	316.2	-4.60	-0.02	0.0	3.96e-05	1.45e-06	-8.78e-03
386	4	4.53e-03	1.42e-06	-0.02	-0.03	0.0	-4.66	0.02	0.0	3.97e-05	0.0	-8.65e-03
		-8.78e-03	0.0	4.46e-04	0.0	316.2	-4.66	-0.02	0.0	3.97e-05	1.42e-06	-8.78e-03
386	5	4.53e-03	1.34e-06	-0.02	-0.03	0.0	-4.77	0.02	0.0	4.01e-05	0.0	-8.65e-03
		-8.78e-03	0.0	4.57e-04	0.0	316.2	-4.77	-0.02	0.0	4.01e-05	1.34e-06	-8.78e-03
386	6	4.53e-03	1.33e-06	-0.02	-0.03	0.0	-4.84	0.02	0.0	4.09e-05	0.0	-8.65e-03
		-8.78e-03	0.0	4.59e-04	0.0	316.2	-4.84	-0.02	0.0	4.09e-05	1.33e-06	-8.78e-03
386	7	4.53e-03	1.37e-06	-0.02	-0.03	0.0	-4.65	0.02	0.0	3.95e-05	0.0	-8.65e-03
		-8.78e-03	0.0	4.37e-04	0.0	316.2	-4.65	-0.02	0.0	3.95e-05	1.37e-06	-8.78e-03
386	8	3.36e-03	1.13e-06	-0.01	-0.02	0.0	-3.55	0.01	0.0	3.07e-05	0.0	-6.40e-03

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386	9	-6.51e-03	0.0	-2.86e-04	0.0	316.2	-3.55	-0.01	0.0	3.07e-05	1.13e-06	-6.51e-03
		3.35e-03	0.0	-0.01	-0.02	0.0	-3.37	0.01	0.0	2.85e-05	0.0	-6.42e-03
		-6.50e-03	0.0	2.80e-04	0.0	316.2	-3.37	-0.01	0.0	2.85e-05	0.0	-6.50e-03
386	10	3.35e-03	1.02e-06	-0.01	-0.02	0.0	-3.26	0.01	0.0	2.79e-05	0.0	-6.42e-03
		-6.51e-03	0.0	-9.90e-05	0.0	316.2	-3.26	-0.01	0.0	2.79e-05	1.02e-06	-6.51e-03
386	11	3.35e-03	0.0	-0.01	-0.02	0.0	-3.40	0.01	0.0	2.86e-05	0.0	-6.42e-03
		-6.50e-03	0.0	3.21e-04	0.0	316.2	-3.40	-0.01	0.0	2.86e-05	0.0	-6.50e-03
387	1	4.52e-03	2.94e-06	-0.02	-0.03	0.0	-4.12	0.02	-2.31e-06	4.82e-05	2.94e-06	-8.66e-03
		-8.80e-03	-4.37e-06	3.43e-04	0.0	316.2	-4.12	-0.02	-2.31e-06	4.82e-05	-4.37e-06	-8.80e-03
387	2	4.52e-03	2.75e-06	-0.02	-0.03	0.0	-4.73	0.02	-2.01e-06	4.73e-05	2.75e-06	-8.65e-03
		-8.79e-03	-3.62e-06	-7.43e-05	0.0	316.2	-4.73	-0.02	-2.01e-06	4.73e-05	-3.62e-06	-8.79e-03
387	3	4.51e-03	2.98e-06	-0.02	-0.03	0.0	-3.95	0.02	-2.18e-06	4.67e-05	2.98e-06	-8.66e-03
		-8.80e-03	-3.91e-06	-3.49e-04	0.0	316.2	-3.95	-0.02	-2.18e-06	4.67e-05	-3.91e-06	-8.80e-03
387	4	4.51e-03	2.96e-06	-0.02	-0.03	0.0	-3.99	0.02	-2.21e-06	4.68e-05	2.96e-06	-8.66e-03
		-8.80e-03	-4.02e-06	3.97e-04	0.0	316.2	-3.99	-0.02	-2.21e-06	4.68e-05	-4.02e-06	-8.80e-03
387	5	4.52e-03	2.88e-06	-0.02	-0.03	0.0	-4.10	0.02	-2.22e-06	4.70e-05	2.88e-06	-8.66e-03
		-8.80e-03	-4.13e-06	4.12e-04	0.0	316.2	-4.10	-0.02	-2.22e-06	4.70e-05	-4.13e-06	-8.80e-03
387	6	4.52e-03	2.93e-06	-0.02	-0.03	0.0	-4.15	0.02	-2.32e-06	4.83e-05	2.93e-06	-8.66e-03
		-8.80e-03	-4.41e-06	4.17e-04	0.0	316.2	-4.15	-0.02	-2.32e-06	4.83e-05	-4.41e-06	-8.80e-03
387	7	4.51e-03	2.91e-06	-0.02	-0.03	0.0	-3.99	0.02	-2.22e-06	4.68e-05	2.91e-06	-8.66e-03
		-8.80e-03	-4.13e-06	3.91e-04	0.0	316.2	-3.99	-0.02	-2.22e-06	4.68e-05	-4.13e-06	-8.80e-03
387	8	3.35e-03	2.32e-06	-0.02	-0.02	0.0	-3.04	0.01	-1.70e-06	3.63e-05	2.32e-06	-6.41e-03
		-6.52e-03	-3.07e-06	-3.26e-04	0.0	316.2	-3.04	-0.01	-1.70e-06	3.63e-05	-3.07e-06	-6.52e-03
387	9	3.34e-03	2.07e-06	-0.02	-0.02	0.0	-2.90	0.01	-1.60e-06	3.35e-05	2.07e-06	-6.42e-03
		-6.52e-03	-2.98e-06	2.49e-04	0.0	316.2	-2.90	-0.01	-1.60e-06	3.35e-05	-2.98e-06	-6.52e-03
387	10	3.34e-03	2.09e-06	-0.02	-0.02	0.0	-2.80	0.01	-1.52e-06	3.27e-05	2.09e-06	-6.42e-03
		-6.52e-03	-2.73e-06	-1.35e-04	0.0	316.2	-2.80	-0.01	-1.52e-06	3.27e-05	-2.73e-06	-6.52e-03
387	11	3.34e-03	2.06e-06	-0.02	-0.02	0.0	-2.91	0.01	-1.60e-06	3.36e-05	2.06e-06	-6.42e-03
		-6.52e-03	-3.01e-06	2.90e-04	0.0	316.2	-2.91	-0.01	-1.60e-06	3.36e-05	-3.01e-06	-6.52e-03
388	1	4.50e-03	2.13e-05	-0.03	-0.03	0.0	-2.99	0.02	7.71e-06	5.44e-05	-3.04e-06	-8.67e-03
		-8.82e-03	-3.04e-06	2.52e-04	0.0	316.2	-2.99	-0.02	7.71e-06	5.44e-05	2.13e-05	-8.82e-03
388	2	4.50e-03	1.97e-05	-0.03	-0.03	0.0	-3.49	0.02	7.01e-06	5.13e-05	-2.43e-06	-8.67e-03
		-8.82e-03	-2.43e-06	-7.48e-05	0.0	316.2	-3.49	-0.02	7.01e-06	5.13e-05	1.97e-05	-8.82e-03
388	3	4.49e-03	2.04e-05	-0.03	-0.03	0.0	-2.89	0.02	7.28e-06	5.28e-05	-2.63e-06	-8.68e-03
		-8.82e-03	-2.63e-06	-4.47e-04	0.0	316.2	-2.89	-0.02	7.28e-06	5.28e-05	2.04e-05	-8.82e-03
388	4	4.49e-03	2.06e-05	-0.03	-0.03	0.0	-2.89	0.02	7.37e-06	5.29e-05	-2.74e-06	-8.68e-03
		-8.82e-03	-2.74e-06	3.02e-04	0.0	316.2	-2.89	-0.02	7.37e-06	5.29e-05	2.06e-05	-8.82e-03
388	5	4.49e-03	2.06e-05	-0.03	-0.03	0.0	-2.98	0.02	7.42e-06	5.29e-05	-2.85e-06	-8.68e-03
		-8.82e-03	-2.85e-06	3.22e-04	0.0	316.2	-2.98	-0.02	7.42e-06	5.29e-05	2.06e-05	-8.82e-03
388	6	4.50e-03	2.14e-05	-0.03	-0.03	0.0	-3.01	0.02	7.74e-06	5.46e-05	-3.07e-06	-8.67e-03
		-8.82e-03	-3.07e-06	3.28e-04	0.0	316.2	-3.01	-0.02	7.74e-06	5.46e-05	2.14e-05	-8.82e-03
388	7	4.49e-03	2.06e-05	-0.03	-0.03	0.0	-2.89	0.02	7.43e-06	5.30e-05	-2.84e-06	-8.68e-03
		-8.82e-03	-2.84e-06	3.00e-04	0.0	316.2	-2.89	-0.02	7.43e-06	5.30e-05	2.06e-05	-8.82e-03
388	8	3.33e-03	1.59e-05	-0.02	-0.02	0.0	-2.20	0.01	5.68e-06	4.13e-05	-2.07e-06	-6.42e-03
		-6.54e-03	-2.07e-06	-4.02e-04	0.0	316.2	-2.20	-0.01	5.68e-06	4.13e-05	1.59e-05	-6.54e-03
388	9	3.33e-03	1.48e-05	-0.02	-0.02	0.0	-2.10	0.01	5.34e-06	3.77e-05	-2.06e-06	-6.43e-03
		-6.53e-03	-2.06e-06	1.84e-04	0.0	316.2	-2.10	-0.01	5.34e-06	3.77e-05	1.48e-05	-6.53e-03
388	10	3.33e-03	1.43e-05	-0.02	-0.02	0.0	-2.03	0.01	5.10e-06	3.68e-05	-1.84e-06	-6.43e-03
		-6.54e-03	-1.84e-06	-2.04e-04	0.0	316.2	-2.03	-0.01	5.10e-06	3.68e-05	1.43e-05	-6.54e-03
388	11	3.33e-03	1.48e-05	-0.02	-0.02	0.0	-2.11	0.01	5.35e-06	3.78e-05	-2.08e-06	-6.43e-03
		-6.53e-03	-2.08e-06	2.26e-04	0.0	316.2	-2.11	-0.01	5.35e-06	3.78e-05	1.48e-05	-6.53e-03
389	1	4.46e-03	2.42e-05	-0.03	-0.03	0.0	-1.72	0.02	-2.95e-05	4.31e-05	2.42e-05	-8.72e-03
		-8.85e-03	-6.90e-05	2.02e-04	0.0	316.2	-1.72	-0.02	-2.95e-05	4.31e-05	-6.90e-05	-8.85e-03
389	2	4.47e-03	2.23e-05	-0.03	-0.03	0.0	-2.02	0.02	-2.62e-05	4.01e-05	2.23e-05	-8.71e-03
		-8.84e-03	-6.06e-05	3.08e-04	0.0	316.2	-2.02	-0.02	-2.62e-05	4.01e-05	-6.06e-05	-8.84e-03
389	3	4.46e-03	2.31e-05	-0.03	-0.03	0.0	-1.65	0.02	-2.79e-05	4.17e-05	2.31e-05	-8.72e-03
		-8.85e-03	-6.51e-05	-6.30e-04	0.0	316.2	-1.65	-0.02	-2.79e-05	4.17e-05	-6.51e-05	-8.85e-03
389	4	4.46e-03	2.33e-05	-0.03	-0.03	0.0	-1.66	0.02	-2.82e-05	4.18e-05	2.33e-05	-8.72e-03
		-8.85e-03	-6.57e-05	2.14e-04	0.0	316.2	-1.66	-0.02	-2.82e-05	4.18e-05	-6.57e-05	-8.85e-03
389	5	4.46e-03	2.34e-05	-0.03	-0.03	0.0	-1.71	0.02	-2.82e-05	4.19e-05	2.34e-05	-8.72e-03
		-8.85e-03	-6.59e-05	2.23e-04	0.0	316.2	-1.71	-0.02	-2.82e-05	4.19e-05	-6.59e-05	-8.85e-03
389	6	4.46e-03	2.43e-05	-0.03	-0.03	0.0	-1.73	0.02	-2.96e-05	4.32e-05	2.43e-05	-8.72e-03
		-8.85e-03	-6.93e-05	2.35e-04	0.0	316.2	-1.73	-0.02	-2.96e-05	4.32e-05	-6.93e-05	-8.85e-03
389	7	4.46e-03	2.34e-05	-0.03	-0.03	0.0	-1.66	0.02	-2.84e-05	4.20e-05	2.34e-05	-8.72e-03
		-8.85e-03	-6.64e-05	2.16e-04	0.0	316.2	-1.66	-0.02	-2.84e-05	4.20e-05	-6.64e-05	-8.85e-03
389	8	3.31e-03	1.80e-05	-0.02	-0.02	0.0	-1.27	0.01	-2.18e-05	3.27e-05	1.80e-05	-6.46e-03
		-6.55e-03	-5.10e-05	-5.43e-04	0.0	316.2	-1.27	-0.01	-2.18e-05	3.27e-05	-5.10e-05	-6.55e-03
389	9	3.30e-03	1.68e-05	-0.02	-0.02	0.0	-1.21	0.01	-2.04e-05	2.97e-05	1.68e-05	-6.46e-03
		-6.55e-03	-4.76e-05	1.42e-04	0.0	316.2	-1.21	-0.01	-2.04e-05	2.97e-05	-4.76e-05	-6.55e-03
389	10	3.30e-03	1.62e-05	-0.02	-0.02	0.0	-1.17	0.01	-1.95e-05	2.89e-05	1.62e-05	-6.47e-03
		-6.55e-03	-4.54e-05	-3.34e-04	0.0	316.2	-1.17	-0.01	-1.95e-05	2.89e-05	-4.54e-05	-6.55e-03
389	11	3.30e-03	1.68e-05	-0.02	-0.02	0.0	-1.22	0.01	-2.04e-05	2.97e-05	1.68e-05	-6.46e-03

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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390	1	-6.55e-03	-4.77e-05	1.60e-04	0.0	316.2	-1.22	-0.01	-2.04e-05	2.97e-05	-4.77e-05	-6.55e-03
		4.49e-03	-1.60e-06	-0.03	-0.03	0.0	-2.88	0.02	1.11e-06	5.41e-05	-5.12e-06	-8.83e-03
		-8.83e-03	-5.12e-06	6.11e-04	0.0	316.2	-2.88	-0.02	1.11e-06	5.41e-05	-1.60e-06	-8.67e-03
390	2	4.50e-03	-1.74e-06	-0.03	-0.03	0.0	-3.28	0.02	1.36e-06	5.07e-05	-6.05e-06	-8.82e-03
		-8.82e-03	-6.05e-06	5.85e-04	0.0	316.2	-3.28	-0.02	1.36e-06	5.07e-05	-1.74e-06	-8.67e-03
390	3	4.49e-03	-1.70e-06	-0.03	-0.03	0.0	-2.77	0.02	1.08e-06	5.19e-05	-5.12e-06	-8.83e-03
		-8.83e-03	-5.12e-06	6.34e-04	0.0	316.2	-2.77	-0.02	1.08e-06	5.19e-05	-1.70e-06	-8.68e-03
390	4	4.49e-03	-1.68e-06	-0.03	-0.03	0.0	-2.78	0.02	1.10e-06	5.20e-05	-5.17e-06	-8.83e-03
		-8.83e-03	-5.17e-06	2.47e-04	0.0	316.2	-2.78	-0.02	1.10e-06	5.20e-05	-1.68e-06	-8.68e-03
390	5	4.49e-03	-1.60e-06	-0.03	-0.03	0.0	-2.84	0.02	1.13e-06	5.22e-05	-5.18e-06	-8.83e-03
		-8.83e-03	-5.18e-06	2.48e-04	0.0	316.2	-2.84	-0.02	1.13e-06	5.22e-05	-1.60e-06	-8.68e-03
390	6	4.49e-03	-1.60e-06	-0.03	-0.03	0.0	-2.88	0.02	1.11e-06	5.38e-05	-5.10e-06	-8.83e-03
		-8.83e-03	-5.10e-06	2.56e-04	0.0	316.2	-2.88	-0.02	1.11e-06	5.38e-05	-1.32e-06	-8.67e-03
390	7	4.49e-03	-1.65e-06	-0.03	-0.03	0.0	-2.75	0.02	1.06e-06	5.22e-05	-5.01e-06	-8.83e-03
		-8.83e-03	-5.01e-06	2.59e-04	0.0	316.2	-2.75	-0.02	1.06e-06	5.22e-05	-1.65e-06	-8.68e-03
390	8	3.33e-03	-1.32e-06	-0.02	-0.02	0.0	-2.14	0.01	0.0	4.06e-05	-3.93e-06	-6.54e-03
		-6.54e-03	-3.93e-06	5.20e-04	0.0	316.2	-2.14	-0.01	0.0	4.06e-05	-1.32e-06	-6.42e-03
390	9	3.33e-03	-1.13e-06	-0.02	-0.02	0.0	-2.02	0.01	0.0	3.74e-05	-3.64e-06	-6.54e-03
		-6.54e-03	-3.64e-06	3.79e-04	0.0	316.2	-2.02	-0.01	0.0	3.74e-05	-1.13e-06	-6.43e-03
390	10	3.32e-03	-1.19e-06	-0.02	-0.02	0.0	-1.96	0.01	0.0	3.62e-05	-3.64e-06	-6.54e-03
		-6.54e-03	-3.64e-06	3.92e-04	0.0	316.2	-1.96	-0.01	0.0	3.62e-05	-1.19e-06	-6.43e-03
390	11	3.33e-03	-1.13e-06	-0.02	-0.02	0.0	-2.02	0.01	0.0	3.72e-05	-3.63e-06	-6.54e-03
		-6.54e-03	-3.63e-06	1.82e-04	0.0	316.2	-2.02	-0.01	0.0	3.72e-05	-1.13e-06	-6.43e-03
391	1	4.52e-03	0.0	-0.02	-0.03	0.0	-4.06	0.02	0.0	4.90e-05	0.0	-8.80e-03
		-8.80e-03	-2.01e-06	7.10e-04	0.0	316.2	-4.06	-0.02	0.0	4.90e-05	-2.01e-06	-8.66e-03
391	2	4.52e-03	0.0	-0.02	-0.03	0.0	-4.54	0.02	0.0	4.76e-05	0.0	-8.79e-03
		-8.79e-03	-2.19e-06	7.04e-04	0.0	316.2	-4.54	-0.02	0.0	4.76e-05	-2.19e-06	-8.65e-03
391	3	4.51e-03	0.0	-0.02	-0.03	0.0	-3.90	0.02	0.0	4.70e-05	0.0	-8.80e-03
		-8.80e-03	-2.11e-06	7.38e-04	0.0	316.2	-3.90	-0.02	0.0	4.70e-05	-2.11e-06	-8.66e-03
391	4	4.51e-03	0.0	-0.02	-0.03	0.0	-3.92	0.02	0.0	4.71e-05	0.0	-8.80e-03
		-8.80e-03	-2.10e-06	3.51e-04	0.0	316.2	-3.92	-0.02	0.0	4.71e-05	-2.10e-06	-8.66e-03
391	5	4.52e-03	0.0	-0.02	-0.03	0.0	-3.98	0.02	0.0	4.73e-05	0.0	-8.80e-03
		-8.80e-03	-2.04e-06	3.49e-04	0.0	316.2	-3.98	-0.02	0.0	4.73e-05	-2.04e-06	-8.66e-03
391	6	4.52e-03	0.0	-0.02	-0.03	0.0	-4.05	0.02	0.0	4.87e-05	0.0	-8.80e-03
		-8.80e-03	-2.01e-06	3.54e-04	0.0	316.2	-4.05	-0.02	0.0	4.87e-05	-2.01e-06	-8.66e-03
391	7	4.51e-03	0.0	-0.02	-0.03	0.0	-3.88	0.02	0.0	4.71e-05	0.0	-8.80e-03
		-8.80e-03	-2.04e-06	3.60e-04	0.0	316.2	-3.88	-0.02	0.0	4.71e-05	-2.04e-06	-8.66e-03
391	8	3.35e-03	0.0	-0.02	-0.02	0.0	-3.01	0.01	0.0	3.66e-05	0.0	-6.52e-03
		-6.52e-03	-1.63e-06	6.01e-04	0.0	316.2	-3.01	-0.01	0.0	3.66e-05	-1.63e-06	-6.41e-03
391	9	3.34e-03	0.0	-0.02	-0.02	0.0	-2.84	0.01	0.0	3.40e-05	0.0	-6.52e-03
		-6.52e-03	-1.44e-06	4.49e-04	0.0	316.2	-2.84	-0.01	0.0	3.40e-05	-1.44e-06	-6.42e-03
391	10	3.34e-03	0.0	-0.02	-0.02	0.0	-2.76	0.01	0.0	3.29e-05	0.0	-6.52e-03
		-6.52e-03	-1.49e-06	4.66e-04	0.0	316.2	-2.76	-0.01	0.0	3.29e-05	-1.49e-06	-6.42e-03
391	11	3.34e-03	0.0	-0.02	-0.02	0.0	-2.84	0.01	0.0	3.39e-05	0.0	-6.52e-03
		-6.52e-03	-1.43e-06	2.52e-04	0.0	316.2	-2.84	-0.01	0.0	3.39e-05	-1.43e-06	-6.42e-03
392	1	4.53e-03	0.0	-0.02	-0.03	0.0	-4.77	0.02	0.0	4.15e-05	0.0	-8.78e-03
		-8.78e-03	0.0	7.64e-04	0.0	316.2	-4.77	-0.02	0.0	4.15e-05	0.0	-8.65e-03
392	2	4.53e-03	0.0	-0.02	-0.03	0.0	-5.29	0.02	0.0	4.31e-05	0.0	-8.78e-03
		-8.78e-03	-1.32e-06	7.75e-04	0.0	316.2	-5.29	-0.02	0.0	4.31e-05	-1.32e-06	-8.64e-03
392	3	4.53e-03	0.0	-0.02	-0.03	0.0	-4.59	0.02	0.0	4.00e-05	0.0	-8.78e-03
		-8.78e-03	0.0	8.01e-04	0.0	316.2	-4.59	-0.02	0.0	4.00e-05	0.0	-8.65e-03
392	4	4.53e-03	0.0	-0.02	-0.03	0.0	-4.60	0.02	0.0	4.01e-05	0.0	-8.78e-03
		-8.78e-03	0.0	4.14e-04	0.0	316.2	-4.60	-0.02	0.0	4.01e-05	0.0	-8.65e-03
392	5	4.53e-03	0.0	-0.02	-0.03	0.0	-4.67	0.02	0.0	4.04e-05	0.0	-8.78e-03
		-8.78e-03	0.0	4.07e-04	0.0	316.2	-4.67	-0.02	0.0	4.04e-05	0.0	-8.65e-03
392	6	4.53e-03	0.0	-0.02	-0.03	0.0	-4.75	0.02	0.0	4.13e-05	0.0	-8.78e-03
		-8.78e-03	0.0	4.09e-04	0.0	316.2	-4.75	-0.02	0.0	4.13e-05	0.0	-8.65e-03
392	7	4.53e-03	0.0	-0.02	-0.03	0.0	-4.55	0.02	0.0	3.99e-05	0.0	-8.78e-03
		-8.78e-03	0.0	4.18e-04	0.0	316.2	-4.55	-0.02	0.0	3.99e-05	0.0	-8.65e-03
392	8	3.36e-03	0.0	-0.02	-0.02	0.0	-3.55	0.01	0.0	3.10e-05	0.0	-6.51e-03
		-6.51e-03	0.0	6.49e-04	0.0	316.2	-3.55	-0.01	0.0	3.10e-05	0.0	-6.40e-03
392	9	3.35e-03	0.0	-0.01	-0.02	0.0	-3.34	0.01	0.0	2.90e-05	0.0	-6.50e-03
		-6.50e-03	0.0	4.90e-04	0.0	316.2	-3.34	-0.01	0.0	2.90e-05	0.0	-6.42e-03
392	10	3.35e-03	0.0	-0.01	-0.02	0.0	-3.24	0.01	0.0	2.81e-05	0.0	-6.51e-03
		-6.51e-03	0.0	5.10e-04	0.0	316.2	-3.24	-0.01	0.0	2.81e-05	0.0	-6.42e-03
392	11	3.35e-03	0.0	-0.01	-0.02	0.0	-3.33	0.01	0.0	2.89e-05	0.0	-6.50e-03
		-6.50e-03	0.0	2.92e-04	0.0	316.2	-3.33	-0.01	0.0	2.89e-05	0.0	-6.42e-03
393	1	4.53e-03	0.0	-0.02	-0.03	0.0	-5.01	0.02	0.0	3.26e-05	0.0	-8.77e-03
		-8.77e-03	0.0	7.76e-04	0.0	316.2	-5.01	-0.02	0.0	3.26e-05	0.0	-8.65e-03
393	2	4.54e-03	0.0	-0.02	-0.03	0.0	-5.48	0.02	0.0	3.73e-05	0.0	-8.77e-03
		-8.77e-03	0.0	8.09e-04	0.0	316.2	-5.48	-0.02	0.0	3.73e-05	0.0	-8.64e-03
393	3	4.53e-03	0.0	-0.02	-0.03	0.0	-4.84	0.02	0.0	3.17e-05	0.0	-8.78e-03

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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393	4	-8.78e-03	0.0	8.20e-04	0.0	316.2	-4.84	-0.02	0.0	3.17e-05	0.0	-8.66e-03
		4.53e-03	0.0	-0.02	-0.03	0.0	-4.82	0.02	0.0	3.18e-05	0.0	-8.78e-03
		-8.78e-03	0.0	4.33e-04	0.0	316.2	-4.82	-0.02	0.0	3.18e-05	0.0	-8.66e-03
393	5	4.53e-03	0.0	-0.02	-0.03	0.0	-4.89	0.02	0.0	3.22e-05	0.0	-8.78e-03
		-8.78e-03	0.0	4.23e-04	0.0	316.2	-4.89	-0.02	0.0	3.22e-05	0.0	-8.65e-03
393	6	4.53e-03	0.0	-0.02	-0.03	0.0	-4.97	0.02	0.0	3.24e-05	0.0	-8.77e-03
		-8.77e-03	0.0	4.22e-04	0.0	316.2	-4.97	-0.02	0.0	3.24e-05	0.0	-8.65e-03
393	7	4.53e-03	0.0	-0.02	-0.03	0.0	-4.77	0.02	0.0	3.14e-05	0.0	-8.78e-03
		-8.78e-03	0.0	4.35e-04	0.0	316.2	-4.77	-0.02	0.0	3.14e-05	0.0	-8.66e-03
393	8	3.36e-03	0.0	-0.01	-0.02	0.0	-3.74	0.01	0.0	2.44e-05	0.0	-6.50e-03
		-6.50e-03	0.0	6.63e-04	0.0	316.2	-3.74	-0.01	0.0	2.44e-05	0.0	-6.40e-03
393	9	3.35e-03	0.0	-0.01	-0.02	0.0	-3.51	0.01	0.0	2.29e-05	0.0	-6.50e-03
		-6.50e-03	0.0	4.99e-04	0.0	316.2	-3.51	-0.01	0.0	2.29e-05	0.0	-6.42e-03
393	10	3.35e-03	0.0	-0.01	-0.02	0.0	-3.41	0.01	0.0	2.24e-05	0.0	-6.50e-03
		-6.50e-03	0.0	5.24e-04	0.0	316.2	-3.41	-0.01	0.0	2.24e-05	0.0	-6.42e-03
393	11	3.35e-03	0.0	-0.01	-0.02	0.0	-3.48	0.01	0.0	2.28e-05	0.0	-6.50e-03
		-6.50e-03	0.0	3.03e-04	0.0	316.2	-3.48	-0.01	0.0	2.28e-05	0.0	-6.42e-03
394	1	4.53e-03	1.07e-06	-0.02	-0.03	0.0	-4.77	0.02	0.0	2.25e-05	0.0	-8.77e-03
		-8.77e-03	0.0	7.47e-04	0.0	316.2	-4.77	-0.02	0.0	2.25e-05	1.07e-06	-8.66e-03
394	2	4.53e-03	1.01e-06	-0.02	-0.03	0.0	-5.18	0.02	0.0	2.97e-05	1.01e-06	-8.77e-03
		-8.77e-03	0.0	7.86e-04	0.0	316.2	-5.18	-0.02	0.0	2.97e-05	0.0	-8.66e-03
394	3	4.52e-03	1.01e-06	-0.02	-0.03	0.0	-4.62	0.02	0.0	2.23e-05	0.0	-8.78e-03
		-8.78e-03	0.0	7.98e-04	0.0	316.2	-4.62	-0.02	0.0	2.23e-05	1.01e-06	-8.67e-03
394	4	4.52e-03	0.0	-0.02	-0.03	0.0	-4.57	0.02	0.0	2.24e-05	0.0	-8.78e-03
		-8.78e-03	0.0	4.15e-04	0.0	316.2	-4.57	-0.02	0.0	2.24e-05	0.0	-8.67e-03
394	5	4.52e-03	0.0	-0.02	-0.03	0.0	-4.62	0.02	0.0	2.28e-05	0.0	-8.78e-03
		-8.78e-03	0.0	4.03e-04	0.0	316.2	-4.62	-0.02	0.0	2.28e-05	0.0	-8.66e-03
394	6	4.53e-03	0.0	-0.02	-0.03	0.0	-4.71	0.02	0.0	2.24e-05	0.0	-8.77e-03
		-8.77e-03	0.0	3.98e-04	0.0	316.2	-4.71	-0.02	0.0	2.24e-05	0.0	-8.66e-03
394	7	4.52e-03	0.0	-0.02	-0.03	0.0	-4.53	0.02	0.0	2.17e-05	0.0	-8.78e-03
		-8.78e-03	0.0	4.15e-04	0.0	316.2	-4.53	-0.02	0.0	2.17e-05	0.0	-8.67e-03
394	8	3.35e-03	0.0	-0.01	-0.02	0.0	-3.57	0.01	0.0	1.70e-05	0.0	-6.50e-03
		-6.50e-03	0.0	6.45e-04	0.0	316.2	-3.57	-0.01	0.0	1.70e-05	0.0	-6.41e-03
394	9	3.35e-03	0.0	-0.01	-0.02	0.0	-3.33	0.01	0.0	1.61e-05	0.0	-6.50e-03
		-6.50e-03	0.0	4.81e-04	0.0	316.2	-3.33	-0.01	0.0	1.61e-05	0.0	-6.42e-03
394	10	3.35e-03	0.0	-0.01	-0.02	0.0	-3.25	0.01	0.0	1.59e-05	0.0	-6.50e-03
		-6.50e-03	0.0	5.09e-04	0.0	316.2	-3.25	-0.01	0.0	1.59e-05	0.0	-6.43e-03
394	11	3.35e-03	0.0	-0.01	-0.02	0.0	-3.30	0.01	0.0	1.60e-05	0.0	-6.50e-03
		-6.50e-03	0.0	2.87e-04	0.0	316.2	-3.30	-0.01	0.0	1.60e-05	0.0	-6.42e-03
395	1	4.51e-03	1.94e-06	-0.02	-0.03	0.0	-4.00	0.02	0.0	1.27e-05	1.94e-06	-8.79e-03
		-8.79e-03	0.0	-6.86e-04	0.0	316.2	-4.00	-0.02	0.0	1.27e-05	0.0	-8.68e-03
395	2	4.51e-03	1.95e-06	-0.02	-0.03	0.0	-4.28	0.02	0.0	2.14e-05	1.95e-06	-8.78e-03
		-8.78e-03	0.0	7.27e-04	0.0	316.2	-4.28	-0.02	0.0	2.14e-05	0.0	-8.68e-03
395	3	4.51e-03	1.87e-06	-0.02	-0.03	0.0	-3.89	0.02	0.0	1.29e-05	1.87e-06	-8.79e-03
		-8.79e-03	0.0	7.39e-04	0.0	316.2	-3.89	-0.02	0.0	1.29e-05	0.0	-8.69e-03
395	4	4.51e-03	1.67e-06	-0.02	-0.03	0.0	-3.81	0.02	0.0	1.30e-05	1.67e-06	-8.79e-03
		-8.79e-03	0.0	3.69e-04	0.0	316.2	-3.81	-0.02	0.0	1.30e-05	0.0	-8.69e-03
395	5	4.51e-03	1.70e-06	-0.02	-0.03	0.0	-3.85	0.02	0.0	1.35e-05	1.70e-06	-8.79e-03
		-8.79e-03	0.0	3.56e-04	0.0	316.2	-3.85	-0.02	0.0	1.35e-05	0.0	-8.68e-03
395	6	4.51e-03	1.77e-06	-0.02	-0.03	0.0	-3.92	0.02	0.0	1.26e-05	1.77e-06	-8.79e-03
		-8.79e-03	0.0	3.48e-04	0.0	316.2	-3.92	-0.02	0.0	1.26e-05	0.0	-8.68e-03
395	7	4.51e-03	1.68e-06	-0.02	-0.03	0.0	-3.78	0.02	0.0	1.22e-05	1.68e-06	-8.79e-03
		-8.79e-03	0.0	3.68e-04	0.0	316.2	-3.78	-0.02	0.0	1.22e-05	0.0	-8.69e-03
395	8	3.34e-03	1.47e-06	-0.02	-0.02	0.0	-3.01	0.01	0.0	9.68e-06	1.47e-06	-6.51e-03
		-6.51e-03	0.0	-5.98e-04	0.0	316.2	-3.01	-0.01	0.0	9.68e-06	0.0	-6.43e-03
395	9	3.34e-03	1.32e-06	-0.02	-0.02	0.0	-2.79	0.01	0.0	9.30e-06	1.32e-06	-6.51e-03
		-6.51e-03	0.0	4.40e-04	0.0	316.2	-2.79	-0.01	0.0	9.30e-06	0.0	-6.44e-03
395	10	3.34e-03	1.28e-06	-0.02	-0.02	0.0	-2.73	0.01	0.0	9.42e-06	1.28e-06	-6.51e-03
		-6.51e-03	0.0	4.70e-04	0.0	316.2	-2.73	-0.01	0.0	9.42e-06	0.0	-6.44e-03
395	11	3.34e-03	1.23e-06	-0.02	-0.02	0.0	-2.75	0.01	0.0	9.23e-06	1.23e-06	-6.51e-03
		-6.51e-03	0.0	2.52e-04	0.0	316.2	-2.75	-0.01	0.0	9.23e-06	0.0	-6.44e-03
396	1	4.48e-03	5.09e-06	-0.02	-0.03	0.0	-2.60	0.02	1.62e-06	7.53e-06	0.0	-8.81e-03
		-8.81e-03	0.0	-6.30e-04	0.0	316.2	-2.60	-0.02	1.62e-06	7.53e-06	5.09e-06	-8.72e-03
396	2	4.48e-03	4.02e-06	-0.02	-0.03	0.0	-2.74	0.02	1.17e-06	1.62e-05	0.0	-8.81e-03
		-8.81e-03	0.0	-6.74e-04	0.0	316.2	-2.74	-0.02	1.17e-06	1.62e-05	4.02e-06	-8.72e-03
396	3	4.48e-03	4.79e-06	-0.02	-0.03	0.0	-2.53	0.02	1.50e-06	8.04e-06	0.0	-8.81e-03
		-8.81e-03	0.0	-6.82e-04	0.0	316.2	-2.53	-0.02	1.50e-06	8.04e-06	4.79e-06	-8.72e-03
396	4	4.48e-03	5.04e-06	-0.02	-0.03	0.0	-2.48	0.02	1.69e-06	8.11e-06	0.0	-8.81e-03
		-8.81e-03	0.0	-3.26e-04	0.0	316.2	-2.48	-0.02	1.69e-06	8.11e-06	5.04e-06	-8.72e-03
396	5	4.48e-03	5.06e-06	-0.02	-0.03	0.0	-2.50	0.02	1.72e-06	8.57e-06	0.0	-8.81e-03
		-8.81e-03	0.0	-3.15e-04	0.0	316.2	-2.50	-0.02	1.72e-06	8.57e-06	5.06e-06	-8.72e-03
396	6	4.48e-03	5.42e-06	-0.02	-0.03	0.0	-2.55	0.02	1.86e-06	7.44e-06	0.0	-8.81e-03

		-8.81e-03	0.0	-3.05e-04	0.0	316.2	-2.55	-0.02	1.86e-06	7.44e-06	5.42e-06	-8.72e-03
396	7	4.48e-03	5.20e-06	-0.02	-0.03	0.0	-2.46	0.02	1.78e-06	7.34e-06	0.0	-8.81e-03
		-8.81e-03	0.0	-3.26e-04	0.0	316.2	-2.46	-0.02	1.78e-06	7.34e-06	5.20e-06	-8.72e-03
396	8	3.32e-03	3.75e-06	-0.02	-0.02	0.0	-1.97	0.01	1.17e-06	5.92e-06	0.0	-6.53e-03
		-6.53e-03	0.0	-5.53e-04	0.0	316.2	-1.97	-0.01	1.17e-06	5.92e-06	3.75e-06	-6.45e-03
396	9	3.32e-03	3.53e-06	-0.02	-0.02	0.0	-1.82	0.01	1.14e-06	5.67e-06	0.0	-6.53e-03
		-6.53e-03	0.0	-4.03e-04	0.0	316.2	-1.82	-0.01	1.14e-06	5.67e-06	3.53e-06	-6.46e-03
396	10	3.31e-03	3.36e-06	-0.02	-0.02	0.0	-1.78	0.01	1.06e-06	5.95e-06	0.0	-6.53e-03
		-6.53e-03	0.0	-4.32e-04	0.0	316.2	-1.78	-0.01	1.06e-06	5.95e-06	3.36e-06	-6.46e-03
396	11	3.32e-03	3.71e-06	-0.02	-0.02	0.0	-1.79	0.01	1.27e-06	5.62e-06	0.0	-6.53e-03
		-6.53e-03	0.0	-2.23e-04	0.0	316.2	-1.79	-0.01	1.27e-06	5.62e-06	3.71e-06	-6.46e-03
397	1	4.43e-03	5.63e-06	-0.03	-0.03	0.0	-0.59	0.02	-9.63e-06	1.86e-05	5.63e-06	-8.86e-03
		-8.86e-03	-2.48e-05	-6.62e-04	0.0	316.2	-0.59	-0.02	-9.63e-06	1.86e-05	-2.48e-05	-8.77e-03
397	2	4.44e-03	4.83e-06	-0.03	-0.03	0.0	-0.62	0.02	-8.54e-06	2.49e-05	4.83e-06	-8.85e-03
		-8.85e-03	-2.22e-05	-7.13e-04	0.0	316.2	-0.62	-0.02	-8.54e-06	2.49e-05	-2.22e-05	-8.76e-03
397	3	4.43e-03	5.34e-06	-0.02	-0.03	0.0	-0.57	0.02	-9.19e-06	1.91e-05	5.34e-06	-8.86e-03
		-8.86e-03	-2.37e-05	-7.15e-04	0.0	316.2	-0.57	-0.02	-9.19e-06	1.91e-05	-2.37e-05	-8.77e-03
397	4	4.43e-03	5.57e-06	-0.02	-0.03	0.0	-0.58	0.02	-9.28e-06	1.91e-05	5.57e-06	-8.86e-03
		-8.86e-03	-2.38e-05	-3.53e-04	0.0	316.2	-0.58	-0.02	-9.28e-06	1.91e-05	-2.38e-05	-8.77e-03
397	5	4.43e-03	5.61e-06	-0.02	-0.03	0.0	-0.58	0.02	-9.32e-06	1.94e-05	5.61e-06	-8.86e-03
		-8.86e-03	-2.39e-05	-3.42e-04	0.0	316.2	-0.58	-0.02	-9.32e-06	1.94e-05	-2.39e-05	-8.77e-03
397	6	4.43e-03	5.95e-06	-0.03	-0.03	0.0	-0.60	0.02	-9.78e-06	1.85e-05	5.95e-06	-8.86e-03
		-8.86e-03	-2.50e-05	-3.31e-04	0.0	316.2	-0.60	-0.02	-9.78e-06	1.85e-05	-2.50e-05	-8.77e-03
397	7	4.43e-03	5.71e-06	-0.02	-0.03	0.0	-0.58	0.02	-9.42e-06	1.86e-05	5.71e-06	-8.86e-03
		-8.86e-03	-2.41e-05	-3.51e-04	0.0	316.2	-0.58	-0.02	-9.42e-06	1.86e-05	-2.41e-05	-8.77e-03
397	8	3.28e-03	4.16e-06	-0.02	-0.02	0.0	-0.44	0.01	-7.19e-06	1.49e-05	4.16e-06	-6.56e-03
		-6.56e-03	-1.86e-05	-5.78e-04	0.0	316.2	-0.44	-0.01	-7.19e-06	1.49e-05	-1.86e-05	-6.49e-03
397	9	3.28e-03	3.91e-06	-0.02	-0.02	0.0	-0.41	0.01	-6.67e-06	1.31e-05	3.91e-06	-6.56e-03
		-6.56e-03	-1.72e-05	-4.25e-04	0.0	316.2	-0.41	-0.01	-6.67e-06	1.31e-05	-1.72e-05	-6.50e-03
397	10	3.28e-03	3.75e-06	-0.02	-0.02	0.0	-0.40	0.01	-6.42e-06	1.33e-05	3.75e-06	-6.56e-03
		-6.56e-03	-1.66e-05	-4.55e-04	0.0	316.2	-0.40	-0.01	-6.42e-06	1.33e-05	-1.66e-05	-6.50e-03
397	11	3.28e-03	4.09e-06	-0.02	-0.02	0.0	-0.42	0.01	-6.75e-06	1.30e-05	4.09e-06	-6.56e-03
		-6.56e-03	-1.72e-05	-2.41e-04	0.0	316.2	-0.42	-0.01	-6.75e-06	1.30e-05	-1.72e-05	-6.50e-03
398	1	4.39e-03	4.91e-05	-0.02	-0.03	0.0	0.59	0.02	2.38e-05	2.84e-05	-2.61e-05	-8.99e-03
		-8.99e-03	-2.61e-05	-1.11e-03	0.0	316.2	0.59	-0.02	2.38e-05	2.84e-05	4.91e-05	-8.71e-03
398	2	4.40e-03	3.75e-05	-0.02	-0.03	0.0	0.58	0.02	1.91e-05	3.14e-05	-2.30e-05	-8.97e-03
		-8.97e-03	-2.30e-05	-1.17e-03	0.0	316.2	0.58	-0.02	1.91e-05	3.14e-05	3.75e-05	-8.73e-03
398	3	4.39e-03	4.64e-05	-0.02	-0.03	0.0	0.57	0.02	2.25e-05	2.87e-05	-2.49e-05	-8.98e-03
		-8.98e-03	-2.49e-05	-1.15e-03	0.0	316.2	0.57	-0.02	2.25e-05	2.87e-05	4.64e-05	-8.72e-03
398	4	4.39e-03	4.61e-05	-0.02	-0.03	0.0	0.57	0.02	2.25e-05	2.86e-05	-2.50e-05	-8.98e-03
		-8.98e-03	-2.50e-05	-7.89e-04	0.0	316.2	0.57	-0.02	2.25e-05	2.86e-05	4.61e-05	-8.72e-03
398	5	4.39e-03	4.60e-05	-0.02	-0.03	0.0	0.58	0.02	2.25e-05	2.88e-05	-2.50e-05	-8.98e-03
		-8.98e-03	-2.50e-05	-7.82e-04	0.0	316.2	0.58	-0.02	2.25e-05	2.88e-05	4.60e-05	-8.72e-03
398	6	4.39e-03	4.91e-05	-0.02	-0.03	0.0	0.59	0.02	2.38e-05	2.84e-05	-2.62e-05	-8.99e-03
		-8.99e-03	-2.62e-05	-7.82e-04	0.0	316.2	0.59	-0.02	2.38e-05	2.84e-05	4.91e-05	-8.71e-03
398	7	4.39e-03	4.73e-05	-0.02	-0.03	0.0	0.57	0.02	2.29e-05	2.84e-05	-2.53e-05	-8.99e-03
		-8.99e-03	-2.53e-05	-7.87e-04	0.0	316.2	0.57	-0.02	2.29e-05	2.84e-05	4.73e-05	-8.72e-03
398	8	3.25e-03	3.66e-05	-0.02	-0.02	0.0	0.44	0.01	1.77e-05	2.27e-05	-1.95e-05	-6.66e-03
		-6.66e-03	-1.95e-05	-9.15e-04	0.0	316.2	0.44	-0.01	1.77e-05	2.27e-05	3.66e-05	-6.45e-03
398	9	3.26e-03	3.35e-05	-0.02	-0.02	0.0	0.41	0.01	1.63e-05	1.95e-05	-1.80e-05	-6.65e-03
		-6.65e-03	-1.80e-05	-7.39e-04	0.0	316.2	0.41	-0.01	1.63e-05	1.95e-05	3.35e-05	-6.46e-03
398	10	3.26e-03	3.20e-05	-0.02	-0.02	0.0	0.40	0.01	1.56e-05	1.97e-05	-1.74e-05	-6.65e-03
		-6.65e-03	-1.74e-05	-7.61e-04	0.0	316.2	0.40	-0.01	1.56e-05	1.97e-05	3.20e-05	-6.46e-03
398	11	3.26e-03	3.35e-05	-0.02	-0.02	0.0	0.41	0.01	1.63e-05	1.95e-05	-1.81e-05	-6.65e-03
		-6.65e-03	-1.81e-05	-5.56e-04	0.0	316.2	0.41	-0.01	1.63e-05	1.95e-05	3.35e-05	-6.46e-03
399	1	4.05e-03	6.86e-06	-0.02	-0.03	0.0	-1.44	0.02	-2.68e-06	4.18e-05	6.86e-06	-7.90e-03
		-8.04e-03	-1.20e-06	-6.07e-05	0.0	301.2	-1.44	-0.02	-2.68e-06	4.18e-05	-1.20e-06	-8.04e-03
399	2	4.05e-03	6.84e-06	-0.02	-0.03	0.0	-1.42	0.02	-2.65e-06	4.08e-05	6.84e-06	-7.90e-03
		-8.04e-03	-1.16e-06	-5.85e-05	0.0	301.2	-1.42	-0.02	-2.65e-06	4.08e-05	-1.16e-06	-8.04e-03
399	3	4.05e-03	6.78e-06	-0.02	-0.03	0.0	-1.38	0.02	-2.63e-06	4.08e-05	6.78e-06	-7.90e-03
		-8.04e-03	-1.16e-06	-7.43e-05	0.0	301.2	-1.38	-0.02	-2.63e-06	4.08e-05	-1.16e-06	-8.04e-03
399	4	4.05e-03	6.73e-06	-0.02	-0.03	0.0	-1.37	0.02	-2.62e-06	4.08e-05	6.73e-06	-7.90e-03
		-8.04e-03	-1.16e-06	-3.05e-04	0.0	301.2	-1.37	-0.02	-2.62e-06	4.08e-05	-1.16e-06	-8.04e-03
399	5	4.05e-03	7.66e-06	-0.02	-0.03	0.0	-1.37	0.02	-2.92e-06	3.96e-05	7.66e-06	-7.90e-03
		-8.04e-03	-1.12e-06	-2.62e-04	0.0	301.2	-1.37	-0.02	-2.92e-06	3.98e-05	-1.12e-06	-8.04e-03
399	6	4.05e-03	6.87e-06	-0.02	-0.03	0.0	-1.43	0.02	-2.68e-06	4.19e-05	6.87e-06	-7.90e-03
		-8.04e-03	-1.21e-06	-3.20e-04	0.0	301.2	-1.43	-0.02	-2.68e-06	4.19e-05	-1.21e-06	-8.04e-03
399	7	4.05e-03	6.69e-06	-0.02	-0.03	0.0	-1.43	0.02	-2.61e-06	4.09e-05	6.69e-06	-7.90e-03
		-8.04e-03	-1.16e-06	-7.23e-05	0.0	301.2	-1.38	-0.02	-2.61e-06	4.09e-05	-1.16e-06	-8.04e-03
399	8	3.00e-03	5.23e-06	-0.02	-0.02	0.0	-1.06	0.01	-2.04e-06	3.22e-05	5.23e-06	-5.85e-03
		-5.96e-03	0.0	-5.61e-05	0.0	301.2	-1.06	-0.01	-2.04e-06	3.22e-05	0.0	-5.96e-03
399	9	3.00e-03	4.84e-06	-0.02	-0.02	0.0	-1.01	0.01	-1.88e-06	2.87e-05	4.84e-06	-5.86e-03

		-5.96e-03	0.0	-4.57e-05	0.0	301.2	-1.01	-0.01	-1.88e-06	2.87e-05	0.0	-5.96e-03
399	10	3.00e-03	4.80e-06	-0.02	-0.02	0.0	-0.98	0.01	-1.86e-06	2.82e-05	4.80e-06	-5.86e-03
		-5.96e-03	0.0	-5.32e-05	0.0	301.2	-0.98	-0.01	-1.86e-06	2.82e-05	0.0	-5.96e-03
399	11	3.00e-03	4.85e-06	-0.02	-0.02	0.0	-1.00	0.01	-1.89e-06	2.88e-05	4.85e-06	-5.86e-03
		-5.96e-03	0.0	-1.90e-04	0.0	301.2	-1.00	-0.01	-1.89e-06	2.88e-05	0.0	-5.96e-03
400	1	3.97e-03	1.05e-06	-0.02	-0.03	0.0	0.63	0.02	6.32e-06	1.01e-05	-1.80e-05	-8.24e-03
		-8.24e-03	-1.80e-05	-9.14e-04	0.0	301.2	0.63	-0.02	6.32e-06	1.01e-05	1.05e-06	-7.85e-03
400	2	3.97e-03	0.0	-0.02	-0.03	0.0	0.61	0.02	6.13e-06	1.06e-05	-1.75e-05	-8.23e-03
		-8.23e-03	-1.75e-05	-9.09e-04	0.0	301.2	0.61	-0.02	6.13e-06	1.06e-05	0.0	-7.86e-03
400	3	3.97e-03	1.00e-06	-0.02	-0.03	0.0	0.61	0.02	6.10e-06	1.05e-05	-1.74e-05	-8.23e-03
		-8.23e-03	-1.74e-05	-9.06e-04	0.0	301.2	0.61	-0.02	6.10e-06	1.05e-05	1.00e-06	-7.86e-03
400	4	3.97e-03	1.01e-06	-0.02	-0.03	0.0	0.62	0.02	6.25e-06	1.04e-05	-1.78e-05	-8.23e-03
		-8.23e-03	-1.78e-05	-7.04e-04	0.0	301.2	0.62	-0.02	6.25e-06	1.04e-05	1.01e-06	-7.86e-03
400	5	3.97e-03	0.0	-0.02	-0.03	0.0	0.63	0.02	6.37e-06	1.30e-05	-1.83e-05	-8.22e-03
		-8.22e-03	-1.83e-05	-8.58e-04	0.0	301.2	0.63	-0.02	6.37e-06	1.30e-05	0.0	-7.87e-03
400	6	3.97e-03	1.05e-06	-0.02	-0.03	0.0	0.61	0.02	6.24e-06	9.87e-06	-1.77e-05	-8.24e-03
		-8.24e-03	-1.77e-05	-9.03e-04	0.0	301.2	0.61	-0.02	6.24e-06	9.87e-06	1.05e-06	-7.85e-03
400	7	3.97e-03	1.02e-06	-0.02	-0.03	0.0	0.61	0.02	6.11e-06	1.02e-05	-1.74e-05	-8.24e-03
		-8.24e-03	-1.74e-05	-8.73e-04	0.0	301.2	0.61	-0.02	6.11e-06	1.02e-05	1.02e-06	-7.85e-03
400	8	2.94e-03	0.0	-0.01	-0.02	0.0	0.47	0.01	4.74e-06	8.24e-06	-1.35e-05	-6.11e-03
		-6.11e-03	-1.35e-05	-7.02e-04	0.0	301.2	0.47	-0.01	4.74e-06	8.24e-06	0.0	-5.81e-03
400	9	2.94e-03	0.0	-0.01	-0.02	0.0	0.44	0.01	4.40e-06	7.02e-06	-1.25e-05	-6.09e-03
		-6.09e-03	-1.25e-05	-6.41e-04	0.0	301.2	0.44	-0.01	4.40e-06	7.02e-06	0.0	-5.83e-03
400	10	2.94e-03	0.0	-0.01	-0.02	0.0	0.43	0.01	4.28e-06	7.21e-06	-1.22e-05	-6.09e-03
		-6.09e-03	-1.22e-05	-6.37e-04	0.0	301.2	0.43	-0.01	4.28e-06	7.21e-06	0.0	-5.83e-03
400	11	2.94e-03	0.0	-0.01	-0.02	0.0	0.43	0.01	4.36e-06	6.88e-06	-1.24e-05	-6.09e-03
		-6.09e-03	-1.24e-05	-6.35e-04	0.0	301.2	0.43	-0.01	4.36e-06	6.88e-06	0.0	-5.83e-03
401	1	3.99e-03	2.78e-05	-0.02	-0.03	0.0	0.60	0.02	2.65e-05	2.70e-05	-5.19e-05	-7.89e-03
		-8.17e-03	-5.19e-05	7.46e-04	0.0	301.2	0.60	-0.02	2.65e-05	2.70e-05	2.78e-05	-8.17e-03
401	2	3.99e-03	2.66e-05	-0.02	-0.03	0.0	0.59	0.02	2.51e-05	2.74e-05	-4.89e-05	-7.89e-03
		-8.17e-03	-4.89e-05	7.49e-04	0.0	301.2	0.59	-0.02	2.51e-05	2.74e-05	2.66e-05	-8.17e-03
401	3	3.99e-03	2.68e-05	-0.02	-0.03	0.0	0.58	0.02	2.53e-05	2.71e-05	-4.96e-05	-7.89e-03
		-8.17e-03	-4.96e-05	7.71e-04	0.0	301.2	0.58	-0.02	2.53e-05	2.71e-05	2.68e-05	-8.17e-03
401	4	3.99e-03	2.68e-05	-0.02	-0.03	0.0	0.58	0.02	2.54e-05	2.71e-05	-4.97e-05	-7.89e-03
		-8.17e-03	-4.97e-05	9.95e-04	0.0	301.2	0.58	-0.02	2.54e-05	2.71e-05	2.68e-05	-8.17e-03
401	5	3.99e-03	2.52e-05	-0.02	-0.03	0.0	0.59	0.02	2.27e-05	2.85e-05	-4.30e-05	-7.90e-03
		-8.16e-03	-4.30e-05	1.07e-03	0.0	301.2	0.59	-0.02	2.27e-05	2.85e-05	2.52e-05	-8.16e-03
401	6	3.99e-03	2.78e-05	-0.02	-0.03	0.0	0.60	0.02	2.64e-05	2.71e-05	-5.18e-05	-7.89e-03
		-8.17e-03	-5.18e-05	1.00e-03	0.0	301.2	0.60	-0.02	2.64e-05	2.71e-05	2.78e-05	-8.17e-03
401	7	3.99e-03	2.69e-05	-0.02	-0.03	0.0	0.58	0.02	2.55e-05	2.70e-05	-5.00e-05	-7.89e-03
		-8.17e-03	-5.00e-05	7.54e-04	0.0	301.2	0.58	-0.02	2.55e-05	2.70e-05	2.69e-05	-8.17e-03
401	8	2.95e-03	2.10e-05	-0.01	-0.02	0.0	0.45	0.01	1.99e-05	2.14e-05	-3.91e-05	-5.84e-03
		-6.06e-03	-3.91e-05	5.93e-04	0.0	301.2	0.45	-0.01	1.99e-05	2.14e-05	2.10e-05	-6.06e-03
401	9	2.96e-03	1.92e-05	-0.01	-0.02	0.0	0.42	0.01	1.82e-05	1.86e-05	-3.55e-05	-5.85e-03
		-6.04e-03	-3.55e-05	5.32e-04	0.0	301.2	0.42	-0.01	1.82e-05	1.86e-05	1.92e-05	-6.04e-03
401	10	2.96e-03	1.86e-05	-0.01	-0.02	0.0	0.41	0.01	1.75e-05	1.86e-05	-3.42e-05	-5.85e-03
		-6.04e-03	-3.42e-05	5.46e-04	0.0	301.2	0.41	-0.01	1.75e-05	1.86e-05	1.86e-05	-6.04e-03
401	11	2.96e-03	1.92e-05	-0.01	-0.02	0.0	0.42	0.01	1.82e-05	1.86e-05	-3.54e-05	-5.85e-03
		-6.04e-03	-3.54e-05	6.74e-04	0.0	301.2	0.42	-0.01	1.82e-05	1.86e-05	1.92e-05	-6.04e-03
402	1	4.05e-03	6.74e-05	-0.02	-0.03	0.0	-1.57	0.02	-3.03e-05	4.06e-05	6.74e-05	-8.03e-03
		-8.03e-03	-2.38e-05	-1.87e-04	0.0	301.2	-1.57	-0.02	-3.03e-05	4.06e-05	-2.38e-05	-7.91e-03
402	2	4.05e-03	6.41e-05	-0.02	-0.03	0.0	-1.54	0.02	-2.89e-05	3.94e-05	6.41e-05	-8.03e-03
		-8.03e-03	-2.28e-05	-1.75e-04	0.0	301.2	-1.54	-0.02	-2.89e-05	3.94e-05	-2.28e-05	-7.91e-03
402	3	4.05e-03	6.38e-05	-0.02	-0.03	0.0	-1.51	0.02	-2.87e-05	3.93e-05	6.38e-05	-8.03e-03
		-8.03e-03	-2.28e-05	-1.69e-04	0.0	301.2	-1.51	-0.02	-2.87e-05	3.93e-05	-2.28e-05	-7.91e-03
402	4	4.05e-03	6.32e-05	-0.02	-0.03	0.0	-1.49	0.02	-2.85e-05	3.91e-05	6.32e-05	-8.03e-03
		-8.03e-03	-2.26e-05	-2.61e-04	0.0	301.2	-1.49	-0.02	-2.85e-05	3.91e-05	-2.26e-05	-7.91e-03
402	5	4.06e-03	5.77e-05	-0.02	-0.03	0.0	-1.78	0.02	-2.63e-05	3.75e-05	5.77e-05	-8.02e-03
		-8.02e-03	-2.16e-05	-2.00e-04	0.0	301.2	-1.78	-0.02	-2.63e-05	3.75e-05	-2.16e-05	-7.90e-03
402	6	4.05e-03	6.71e-05	-0.02	-0.03	0.0	-1.55	0.02	-3.02e-05	4.05e-05	6.71e-05	-8.03e-03
		-8.03e-03	-2.37e-05	-1.79e-04	0.0	301.2	-1.55	-0.02	-3.02e-05	4.05e-05	-2.37e-05	-7.91e-03
402	7	4.05e-03	6.46e-05	-0.02	-0.03	0.0	-1.50	0.02	-2.91e-05	3.95e-05	6.46e-05	-8.03e-03
		-8.03e-03	-2.29e-05	-1.66e-04	0.0	301.2	-1.50	-0.02	-2.91e-05	3.95e-05	-2.29e-05	-7.91e-03
402	8	3.00e-03	4.99e-05	-0.02	-0.02	0.0	-1.17	0.01	-2.25e-05	3.09e-05	4.99e-05	-5.95e-03
		-5.95e-03	-1.78e-05	-1.33e-04	0.0	301.2	-1.17	-0.01	-2.25e-05	3.09e-05	-1.78e-05	-5.85e-03
402	9	3.00e-03	4.64e-05	-0.02	-0.02	0.0	-1.10	0.01	-2.09e-05	2.79e-05	4.64e-05	-5.95e-03
		-5.95e-03	-1.65e-05	-1.26e-04	0.0	301.2	-1.10	-0.01	-2.09e-05	2.79e-05	-1.65e-05	-5.86e-03
402	10	3.00e-03	4.44e-05	-0.02	-0.02	0.0	-1.07	0.01	-2.00e-05	2.72e-05	4.44e-05	-5.94e-03
		-5.94e-03	-1.59e-05	-1.16e-04	0.0	301.2	-1.07	-0.01	-2.00e-05	2.72e-05	-1.59e-05	-5.86e-03
402	11	3.00e-03	4.63e-05	-0.02	-0.02	0.0	-1.09	0.01	-2.08e-05	2.79e-05	4.63e-05	-5.95e-03
		-5.95e-03	-1.64e-05	-1.22e-04	0.0	301.2	-1.09	-0.01	-2.08e-05	2.79e-05	-1.64e-05	-5.86e-03
403	1	4.02e-03	2.63e-05	-0.02	-0.03	0.0	-0.44	0.02	-1.09e-05	2.00e-05	2.63e-05	-7.95e-03

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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403	2	-8.05e-03	-6.44e-06	-3.14e-04	0.0	301.2	-0.44	-0.02	-1.09e-05	2.00e-05	-6.44e-06	-8.05e-03
		4.02e-03	2.52e-05	-0.02	-0.03	0.0	-0.42	0.02	-1.04e-05	2.08e-05	2.52e-05	-7.95e-03
		-8.05e-03	-6.15e-06	-3.28e-04	0.0	301.2	-0.42	-0.02	-1.04e-05	2.08e-05	-6.15e-06	-8.05e-03
403	3	4.02e-03	2.53e-05	-0.02	-0.03	0.0	-0.42	0.02	-1.05e-05	2.02e-05	2.53e-05	-7.95e-03
		-8.05e-03	-6.23e-06	3.53e-04	0.0	301.2	-0.42	-0.02	-1.05e-05	2.02e-05	-6.23e-06	-8.05e-03
403	4	4.02e-03	2.54e-05	-0.02	-0.03	0.0	-0.42	0.02	-1.05e-05	2.02e-05	2.54e-05	-7.95e-03
		-8.05e-03	-6.25e-06	5.76e-04	0.0	301.2	-0.42	-0.02	-1.05e-05	2.02e-05	-6.25e-06	-8.05e-03
403	5	4.02e-03	2.41e-05	-0.02	-0.03	0.0	-0.43	0.02	-9.93e-06	2.35e-05	2.41e-05	-7.95e-03
		-8.05e-03	-5.84e-06	6.37e-04	0.0	301.2	-0.43	-0.02	-9.93e-06	2.35e-05	-5.84e-06	-8.05e-03
403	6	4.02e-03	2.63e-05	-0.02	-0.03	0.0	-0.44	0.02	-1.09e-05	2.01e-05	2.63e-05	-7.95e-03
		-8.05e-03	-6.47e-06	5.69e-04	0.0	301.2	-0.44	-0.02	-1.09e-05	2.01e-05	-6.47e-06	-8.05e-03
403	7	4.02e-03	2.54e-05	-0.02	-0.03	0.0	-0.42	0.02	-1.05e-05	2.00e-05	2.54e-05	-7.95e-03
		-8.05e-03	-6.23e-06	-3.36e-04	0.0	301.2	-0.42	-0.02	-1.05e-05	2.00e-05	-6.23e-06	-8.05e-03
403	8	2.97e-03	1.98e-05	-0.02	-0.02	0.0	-0.33	0.01	-8.19e-06	1.58e-05	1.98e-05	-5.89e-03
		-5.97e-03	-4.88e-06	2.68e-04	0.0	301.2	-0.33	-0.01	-8.19e-06	1.58e-05	-4.88e-06	-5.97e-03
403	9	2.98e-03	1.82e-05	-0.01	-0.02	0.0	-0.31	0.01	-7.52e-06	1.40e-05	1.82e-05	-5.89e-03
		-5.96e-03	-4.45e-06	-2.30e-04	0.0	301.2	-0.31	-0.01	-7.52e-06	1.40e-05	-4.45e-06	-5.96e-03
403	10	2.98e-03	1.77e-05	-0.01	-0.02	0.0	-0.30	0.01	-7.30e-06	1.41e-05	1.77e-05	-5.89e-03
		-5.96e-03	-4.33e-06	-2.52e-04	0.0	301.2	-0.30	-0.01	-7.30e-06	1.41e-05	-4.33e-06	-5.96e-03
403	11	2.98e-03	1.82e-05	-0.01	-0.02	0.0	-0.31	0.01	-7.53e-06	1.40e-05	1.82e-05	-5.89e-03
		-5.96e-03	-4.47e-06	3.72e-04	0.0	301.2	-0.31	-0.01	-7.53e-06	1.40e-05	-4.47e-06	-5.96e-03
404	1	4.08e-03	2.71e-06	-0.02	-0.03	0.0	-2.66	0.02	7.74e-06	5.04e-05	-4.07e-06	-8.01e-03
		-8.01e-03	-2.06e-05	-2.43e-04	0.0	301.2	-2.66	-0.02	7.74e-06	5.04e-05	2.71e-06	-7.86e-03
404	2	4.08e-03	2.48e-06	-0.02	-0.03	0.0	-2.62	0.02	7.41e-06	4.89e-05	-1.98e-05	-8.01e-03
		-8.01e-03	-1.98e-05	-2.35e-04	0.0	301.2	-2.62	-0.02	7.41e-06	4.89e-05	2.48e-06	-7.86e-03
404	3	4.08e-03	2.39e-06	-0.02	-0.03	0.0	-2.57	0.02	7.36e-06	4.89e-05	-1.98e-05	-8.01e-03
		-8.01e-03	-1.98e-05	-2.24e-04	0.0	301.2	-2.57	-0.02	7.36e-06	4.89e-05	2.39e-06	-7.86e-03
404	4	4.08e-03	2.30e-06	-0.02	-0.03	0.0	-2.54	0.02	7.29e-06	4.87e-05	-1.97e-05	-8.01e-03
		-8.01e-03	-1.97e-05	5.57e-05	0.0	301.2	-2.54	-0.02	7.29e-06	4.87e-05	2.30e-06	-7.86e-03
404	5	4.09e-03	1.77e-06	-0.02	-0.03	0.0	-3.03	0.02	6.86e-06	4.73e-05	-1.89e-05	-8.00e-03
		-8.00e-03	-1.89e-05	-8.16e-05	0.0	301.2	-3.03	-0.02	6.86e-06	4.73e-05	1.77e-06	-7.86e-03
404	6	4.08e-03	2.66e-06	-0.02	-0.03	0.0	-2.64	0.02	7.70e-06	5.03e-05	-2.05e-05	-8.01e-03
		-8.01e-03	-2.05e-05	-2.25e-04	0.0	301.2	-2.64	-0.02	7.70e-06	5.03e-05	2.66e-06	-7.86e-03
404	7	4.08e-03	2.49e-06	-0.02	-0.03	0.0	-2.64	0.02	7.42e-06	4.90e-05	-1.99e-05	-8.01e-03
		-8.01e-03	-1.99e-05	-2.05e-04	0.0	301.2	-2.64	-0.02	7.42e-06	4.90e-05	2.49e-06	-7.87e-03
404	8	3.03e-03	1.89e-06	-0.02	-0.02	0.0	-1.99	0.01	5.75e-06	3.83e-05	-1.54e-05	-5.93e-03
		-5.93e-03	-1.54e-05	-1.75e-04	0.0	301.2	-1.99	-0.01	5.75e-06	3.83e-05	1.89e-06	-5.82e-03
404	9	3.02e-03	1.83e-06	-0.02	-0.02	0.0	-1.87	0.01	5.35e-06	3.49e-05	-1.43e-05	-5.93e-03
		-5.93e-03	-1.43e-05	-1.65e-04	0.0	301.2	-1.87	-0.01	5.35e-06	3.49e-05	1.83e-06	-5.83e-03
404	10	3.02e-03	1.65e-06	-0.02	-0.02	0.0	-1.82	0.01	5.14e-06	3.41e-05	-1.38e-05	-5.93e-03
		-5.93e-03	-1.38e-05	-1.55e-04	0.0	301.2	-1.82	-0.01	5.14e-06	3.41e-05	1.65e-06	-5.83e-03
404	11	3.02e-03	1.80e-06	-0.02	-0.02	0.0	-1.85	0.01	5.33e-06	3.48e-05	-1.42e-05	-5.93e-03
		-5.93e-03	-1.42e-05	-1.55e-04	0.0	301.2	-1.85	-0.01	5.33e-06	3.48e-05	1.80e-06	-5.83e-03
405	1	4.06e-03	1.21e-06	-0.02	-0.03	0.0	-2.18	0.02	2.36e-06	7.71e-06	-5.89e-06	-7.91e-03
		-8.00e-03	-5.89e-06	-2.89e-04	0.0	301.2	-2.18	-0.02	2.36e-06	7.71e-06	1.21e-06	-8.00e-03
405	2	4.06e-03	1.18e-06	-0.02	-0.03	0.0	-2.12	0.02	2.25e-06	8.67e-06	-5.58e-06	-7.91e-03
		-8.00e-03	-5.58e-06	-3.02e-04	0.0	301.2	-2.12	-0.02	2.25e-06	8.67e-06	1.18e-06	-8.00e-03
405	3	4.06e-03	1.22e-06	-0.02	-0.03	0.0	-2.10	0.02	2.30e-06	7.85e-06	-5.70e-06	-7.91e-03
		-8.00e-03	-5.70e-06	-3.29e-04	0.0	301.2	-2.10	-0.02	2.30e-06	7.85e-06	1.22e-06	-8.00e-03
405	4	4.06e-03	1.24e-06	-0.02	-0.03	0.0	-2.10	0.02	2.31e-06	7.79e-06	-5.72e-06	-7.91e-03
		-8.00e-03	-5.72e-06	-5.53e-04	0.0	301.2	-2.10	-0.02	2.31e-06	7.79e-06	1.24e-06	-8.00e-03
405	5	4.06e-03	1.19e-06	-0.02	-0.03	0.0	-2.18	0.02	2.10e-06	1.24e-05	-5.14e-06	-7.91e-03
		-8.00e-03	-5.14e-06	-6.09e-04	0.0	301.2	-2.18	-0.02	2.10e-06	1.24e-05	1.19e-06	-8.00e-03
405	6	4.06e-03	1.28e-06	-0.02	-0.03	0.0	-2.18	0.02	2.39e-06	7.84e-06	-5.93e-06	-7.91e-03
		-8.00e-03	-5.93e-06	5.45e-04	0.0	301.2	-2.18	-0.02	2.39e-06	7.84e-06	1.28e-06	-8.00e-03
405	7	4.06e-03	1.19e-06	-0.02	-0.03	0.0	-2.10	0.02	2.29e-06	7.57e-06	-5.71e-06	-7.91e-03
		-8.00e-03	-5.71e-06	-3.13e-04	0.0	301.2	-2.10	-0.02	2.29e-06	7.57e-06	1.19e-06	-8.00e-03
405	8	3.01e-03	0.0	-0.01	-0.02	0.0	-1.62	0.01	1.81e-06	5.80e-06	-4.48e-06	-5.85e-03
		-5.93e-03	-4.48e-06	-2.51e-04	0.0	301.2	-1.62	-0.01	1.81e-06	5.80e-06	0.0	-5.93e-03
405	9	3.01e-03	0.0	-0.01	-0.02	0.0	-1.52	0.01	1.62e-06	5.73e-06	-4.05e-06	-5.86e-03
		-5.93e-03	-4.05e-06	-2.13e-04	0.0	301.2	-1.52	-0.01	1.62e-06	5.73e-06	0.0	-5.93e-03
405	10	3.01e-03	0.0	-0.01	-0.02	0.0	-1.48	0.01	1.59e-06	5.81e-06	-3.94e-06	-5.86e-03
		-5.93e-03	-3.94e-06	-2.35e-04	0.0	301.2	-1.48	-0.01	1.59e-06	5.81e-06	0.0	-5.93e-03
405	11	3.01e-03	0.0	-0.01	-0.02	0.0	-1.52	0.01	1.64e-06	5.81e-06	-4.07e-06	-5.86e-03
		-5.93e-03	-4.07e-06	-3.55e-04	0.0	301.2	-1.52	-0.01	1.64e-06	5.81e-06	0.0	-5.93e-03
406	1	4.10e-03	4.15e-06	-0.02	-0.03	0.0	-3.65	0.02	-2.41e-06	4.43e-05	4.15e-06	-7.99e-03
		-7.99e-03	-3.10e-06	-3.29e-04	0.0	301.2	-3.65	-0.02	-2.41e-06	4.43e-05	-3.10e-06	-7.85e-03
406	2	4.10e-03	3.86e-06	-0.02	-0.03	0.0	-3.60	0.02	-2.30e-06	4.30e-05	3.86e-06	-7.99e-03
		-7.99e-03	-3.06e-06	-3.23e-04	0.0	301.2	-3.60	-0.02	-2.30e-06	4.30e-05	-3.06e-06	-7.85e-03
406	3	4.10e-03	3.77e-06	-0.02	-0.03	0.0	-3.53	0.02	-2.29e-06	4.29e-05	3.77e-06	-7.99e-03
		-7.99e-03	-3.12e-06	-3.15e-04	0.0	301.2	-3.53	-0.02	-2.29e-06	4.29e-05	-3.12e-06	-7.85e-03
406	4	4.10e-03	3.67e-06	-0.02	-0.03	0.0	-3.49	0.02	-2.27e-06	4.27e-05	3.67e-06	-7.99e-03

406	5	-7.99e-03	-3.15e-06	-8.92e-05	0.0	301.2	-3.49	-0.02	-2.27e-06	4.27e-05	-3.15e-06	-7.85e-03
		4.11e-03	3.03e-06	-0.02	-0.03	0.0	-4.09	0.02	-2.02e-06	4.32e-05	3.03e-06	-7.98e-03
		-7.98e-03	-3.04e-06	-1.88e-04	0.0	301.2	-4.09	-0.02	-2.02e-06	4.32e-05	-3.04e-06	-7.84e-03
406	6	4.10e-03	4.10e-06	-0.02	-0.03	0.0	-3.62	0.02	-2.40e-06	4.41e-05	4.10e-06	-7.99e-03
		-7.99e-03	-3.13e-06	-3.13e-04	0.0	301.2	-3.62	-0.02	-2.40e-06	4.41e-05	-3.13e-06	-7.85e-03
406	7	4.10e-03	3.88e-06	-0.02	-0.03	0.0	-3.50	0.02	-2.31e-06	4.28e-05	3.88e-06	-7.99e-03
		-7.99e-03	-3.08e-06	-2.93e-04	0.0	301.2	-3.50	-0.02	-2.31e-06	4.28e-05	-3.08e-06	-7.85e-03
406	8	3.04e-03	2.97e-06	-0.01	-0.02	0.0	-2.73	0.01	-1.79e-06	3.34e-05	2.97e-06	-5.92e-03
		-5.92e-03	-2.42e-06	-2.45e-04	0.0	301.2	-2.73	-0.01	-1.79e-06	3.34e-05	-2.42e-06	-5.81e-03
406	9	3.03e-03	2.83e-06	-0.01	-0.02	0.0	-2.56	0.01	-1.66e-06	3.08e-05	2.83e-06	-5.92e-03
		-5.92e-03	-2.18e-06	-2.27e-04	0.0	301.2	-2.56	-0.01	-1.66e-06	3.08e-05	-2.18e-06	-5.82e-03
406	10	3.03e-03	2.61e-06	-0.01	-0.02	0.0	-2.49	0.01	-1.59e-06	3.00e-05	2.61e-06	-5.92e-03
		-5.92e-03	-2.19e-06	-2.20e-04	0.0	301.2	-2.49	-0.01	-1.59e-06	3.00e-05	-2.19e-06	-5.82e-03
406	11	3.03e-03	2.80e-06	-0.01	-0.02	0.0	-2.54	0.01	-1.66e-06	3.07e-05	2.80e-06	-5.92e-03
		-5.92e-03	-2.19e-06	-2.18e-04	0.0	301.2	-2.54	-0.01	-1.66e-06	3.07e-05	-2.19e-06	-5.82e-03
407	1	4.09e-03	1.63e-06	-0.02	-0.03	0.0	-3.45	0.02	-1.12e-06	1.09e-05	1.63e-06	-7.87e-03
		-7.98e-03	-1.76e-06	-3.06e-04	0.0	301.2	-3.45	-0.02	-1.12e-06	1.09e-05	-1.76e-06	-7.98e-03
407	2	4.09e-03	1.64e-06	-0.02	-0.03	0.0	-3.38	0.02	-1.10e-06	1.17e-05	1.64e-06	-7.87e-03
		-7.98e-03	-1.69e-06	-3.16e-04	0.0	301.2	-3.38	-0.02	-1.10e-06	1.17e-05	-1.69e-06	-7.98e-03
407	3	4.09e-03	1.64e-06	-0.02	-0.03	0.0	-3.33	0.02	-1.11e-06	1.09e-05	1.64e-06	-7.88e-03
		-7.98e-03	-1.69e-06	-3.43e-04	0.0	301.2	-3.33	-0.02	-1.11e-06	1.09e-05	-1.69e-06	-7.98e-03
407	4	4.09e-03	1.66e-06	-0.02	-0.03	0.0	-3.34	0.02	-1.13e-06	1.08e-05	1.66e-06	-7.88e-03
		-7.98e-03	-1.76e-06	-5.68e-04	0.0	301.2	-3.34	-0.02	-1.13e-06	1.08e-05	-1.76e-06	-7.98e-03
407	5	4.09e-03	1.80e-06	-0.02	-0.03	0.0	-3.50	0.02	-1.17e-06	1.55e-05	1.80e-06	-7.87e-03
		-7.98e-03	-1.73e-06	-6.16e-04	0.0	301.2	-3.50	-0.02	-1.17e-06	1.55e-05	-1.73e-06	-7.98e-03
407	6	4.09e-03	1.71e-06	-0.02	-0.03	0.0	-3.46	0.02	-1.19e-06	1.11e-05	1.71e-06	-7.87e-03
		-7.98e-03	-1.86e-06	-5.61e-04	0.0	301.2	-3.46	-0.02	-1.19e-06	1.11e-05	-1.86e-06	-7.98e-03
407	7	4.09e-03	1.59e-06	-0.02	-0.03	0.0	-3.32	0.02	-1.08e-06	1.06e-05	1.59e-06	-7.88e-03
		-7.98e-03	-1.67e-06	-3.28e-04	0.0	301.2	-3.32	-0.02	-1.08e-06	1.06e-05	-1.67e-06	-7.98e-03
407	8	3.03e-03	1.27e-06	-0.01	-0.02	0.0	-2.58	0.01	0.0	8.07e-06	1.27e-06	-5.83e-03
		-5.91e-03	-1.31e-06	-2.62e-04	0.0	301.2	-2.58	-0.01	0.0	8.07e-06	-1.31e-06	-5.91e-03
407	9	3.03e-03	1.15e-06	-0.01	-0.02	0.0	-2.42	0.01	0.0	8.03e-06	1.15e-06	-5.84e-03
		-5.91e-03	-1.22e-06	-2.24e-04	0.0	301.2	-2.42	-0.01	0.0	8.03e-06	-1.22e-06	-5.91e-03
407	10	3.03e-03	1.16e-06	-0.01	-0.02	0.0	-2.35	0.01	0.0	7.98e-06	1.16e-06	-5.84e-03
		-5.91e-03	-1.18e-06	-2.45e-04	0.0	301.2	-2.35	-0.01	0.0	7.98e-06	-1.18e-06	-5.91e-03
407	11	3.03e-03	1.19e-06	-0.01	-0.02	0.0	-2.43	0.01	0.0	8.12e-06	1.19e-06	-5.84e-03
		-5.91e-03	-1.28e-06	-3.65e-04	0.0	301.2	-2.43	-0.01	0.0	8.12e-06	-1.28e-06	-5.91e-03
408	1	4.11e-03	0.0	-0.02	-0.03	0.0	-4.26	0.02	0.0	3.71e-05	-1.39e-06	-7.97e-03
		-7.97e-03	-1.39e-06	-3.76e-04	0.0	301.2	-4.26	-0.02	0.0	3.71e-05	0.0	-7.84e-03
408	2	4.11e-03	0.0	-0.02	-0.03	0.0	-4.19	0.02	0.0	3.63e-05	-1.41e-06	-7.97e-03
		-7.97e-03	-1.41e-06	-3.73e-04	0.0	301.2	-4.19	-0.02	0.0	3.63e-05	0.0	-7.84e-03
408	3	4.11e-03	0.0	-0.02	-0.03	0.0	-4.12	0.02	0.0	3.61e-05	-1.47e-06	-7.97e-03
		-7.97e-03	-1.47e-06	-3.68e-04	0.0	301.2	-4.12	-0.02	0.0	3.61e-05	0.0	-7.84e-03
408	4	4.11e-03	0.0	-0.02	-0.03	0.0	-4.06	0.02	0.0	3.60e-05	-1.52e-06	-7.98e-03
		-7.98e-03	-1.52e-06	-1.45e-04	0.0	301.2	-4.06	-0.02	0.0	3.60e-05	0.0	-7.84e-03
408	5	4.12e-03	-1.26e-06	-0.02	-0.03	0.0	-4.71	0.02	0.0	3.88e-05	-1.44e-06	-7.97e-03
		-7.97e-03	-1.44e-06	-2.50e-04	0.0	301.2	-4.71	-0.02	0.0	3.88e-05	-1.26e-06	-7.83e-03
408	6	4.11e-03	0.0	-0.02	-0.03	0.0	-4.21	0.02	0.0	3.69e-05	-1.42e-06	-7.97e-03
		-7.97e-03	-1.42e-06	-3.61e-04	0.0	301.2	-4.21	-0.02	0.0	3.69e-05	0.0	-7.84e-03
408	7	4.11e-03	0.0	-0.02	-0.03	0.0	-4.08	0.02	0.0	3.59e-05	-1.43e-06	-7.97e-03
		-7.97e-03	-1.43e-06	-3.43e-04	0.0	301.2	-4.08	-0.02	0.0	3.59e-05	0.0	-7.85e-03
408	8	3.05e-03	0.0	-0.01	-0.02	0.0	-3.18	0.01	0.0	2.80e-05	-1.14e-06	-5.91e-03
		-5.91e-03	-1.14e-06	-2.86e-04	0.0	301.2	-3.18	-0.01	0.0	2.80e-05	0.0	-5.80e-03
408	9	3.04e-03	0.0	-0.01	-0.02	0.0	-2.99	0.01	0.0	2.59e-05	0.0	-5.91e-03
		-5.91e-03	0.0	-2.61e-04	0.0	301.2	-2.99	-0.01	0.0	2.59e-05	0.0	-5.82e-03
408	10	3.04e-03	0.0	-0.01	-0.02	0.0	-2.91	0.01	0.0	2.54e-05	-1.04e-06	-5.91e-03
		-5.91e-03	-1.04e-06	-2.57e-04	0.0	301.2	-2.91	-0.01	0.0	2.54e-05	0.0	-5.82e-03
408	11	3.04e-03	0.0	-0.01	-0.02	0.0	-2.96	0.01	0.0	2.58e-05	-1.01e-06	-5.91e-03
		-5.91e-03	-1.01e-06	-2.53e-04	0.0	301.2	-2.96	-0.01	0.0	2.58e-05	0.0	-5.82e-03
409	1	4.11e-03	0.0	-0.02	-0.03	0.0	-4.24	0.02	0.0	1.97e-05	0.0	-7.85e-03
		-7.97e-03	0.0	-3.45e-04	0.0	301.2	-4.24	-0.02	0.0	1.97e-05	0.0	-7.97e-03
409	2	4.11e-03	0.0	-0.02	-0.03	0.0	-4.17	0.02	0.0	2.00e-05	0.0	-7.85e-03
		-7.97e-03	0.0	-3.52e-04	0.0	301.2	-4.17	-0.02	0.0	2.00e-05	0.0	-7.97e-03
409	3	4.10e-03	0.0	-0.02	-0.03	0.0	-4.09	0.02	0.0	1.93e-05	0.0	-7.86e-03
		-7.97e-03	0.0	-3.79e-04	0.0	301.2	-4.09	-0.02	0.0	1.93e-05	0.0	-7.97e-03
409	4	4.10e-03	0.0	-0.02	-0.03	0.0	-4.10	0.02	0.0	1.92e-05	0.0	-7.86e-03
		-7.97e-03	0.0	-6.06e-04	0.0	301.2	-4.10	-0.02	0.0	1.92e-05	0.0	-7.97e-03
409	5	4.11e-03	0.0	-0.02	-0.03	0.0	-4.34	0.02	0.0	2.32e-05	0.0	-7.85e-03
		-7.97e-03	0.0	-6.49e-04	0.0	301.2	-4.34	-0.02	0.0	2.32e-05	0.0	-7.97e-03
409	6	4.11e-03	0.0	-0.02	-0.03	0.0	-4.26	0.02	0.0	1.99e-05	0.0	-7.85e-03
		-7.97e-03	0.0	-6.02e-04	0.0	301.2	-4.26	-0.02	0.0	1.99e-05	0.0	-7.97e-03
409	7	4.10e-03	0.0	-0.02	-0.03	0.0	-4.08	0.02	0.0	1.90e-05	0.0	-7.86e-03

		-7.97e-03	0.0	-3.64e-04	0.0	301.2	-4.08	-0.02	0.0	1.90e-05	0.0	-7.97e-03
409	8	3.04e-03	0.0	-0.01	-0.02	0.0	-3.16	0.01	0.0	1.47e-05	0.0	-5.81e-03
		-5.90e-03	0.0	-2.90e-04	0.0	301.2	-3.16	-0.01	0.0	1.47e-05	0.0	-5.90e-03
409	9	3.04e-03	0.0	-0.01	-0.02	0.0	-2.98	0.01	0.0	1.41e-05	0.0	-5.82e-03
		-5.90e-03	0.0	-2.51e-04	0.0	301.2	-2.98	-0.01	0.0	1.41e-05	0.0	-5.90e-03
409	10	3.04e-03	0.0	-0.01	-0.02	0.0	-2.89	0.01	0.0	1.38e-05	0.0	-5.83e-03
		-5.90e-03	0.0	-2.70e-04	0.0	301.2	-2.89	-0.01	0.0	1.38e-05	0.0	-5.90e-03
409	11	3.04e-03	0.0	-0.01	-0.02	0.0	-2.98	0.01	0.0	1.42e-05	0.0	-5.82e-03
		-5.90e-03	0.0	-3.94e-04	0.0	301.2	-2.98	-0.01	0.0	1.42e-05	0.0	-5.90e-03
410	1	4.11e-03	0.0	-0.01	-0.03	0.0	-4.43	0.02	0.0	2.87e-05	0.0	-7.96e-03
		-7.96e-03	0.0	-3.88e-04	0.0	301.2	-4.43	-0.02	0.0	2.87e-05	0.0	-7.84e-03
410	2	4.11e-03	0.0	-0.01	-0.03	0.0	-4.36	0.02	0.0	2.86e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-3.88e-04	0.0	301.2	-4.36	-0.02	0.0	2.86e-05	0.0	-7.84e-03
410	3	4.11e-03	0.0	-0.01	-0.03	0.0	-4.29	0.02	0.0	2.82e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-3.86e-04	0.0	301.2	-4.29	-0.02	0.0	2.82e-05	0.0	-7.85e-03
410	4	4.11e-03	0.0	-0.01	-0.03	0.0	-4.21	0.02	0.0	2.82e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-1.68e-04	0.0	301.2	-4.21	-0.02	0.0	2.82e-05	0.0	-7.85e-03
410	5	4.12e-03	0.0	-0.01	-0.03	0.0	-4.81	0.02	0.0	3.34e-05	0.0	-7.96e-03
		-7.96e-03	0.0	-2.86e-04	0.0	301.2	-4.81	-0.02	0.0	3.34e-05	0.0	-7.84e-03
410	6	4.11e-03	0.0	-0.01	-0.03	0.0	-4.37	0.02	0.0	2.85e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-3.76e-04	0.0	301.2	-4.37	-0.02	0.0	2.85e-05	0.0	-7.84e-03
410	7	4.11e-03	0.0	-0.01	-0.03	0.0	-4.25	0.02	0.0	2.78e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-3.59e-04	0.0	301.2	-4.25	-0.02	0.0	2.78e-05	0.0	-7.85e-03
410	8	3.05e-03	0.0	-0.01	-0.02	0.0	-3.32	0.01	0.0	2.18e-05	0.0	-5.90e-03
		-5.90e-03	0.0	-2.99e-04	0.0	301.2	-3.32	-0.01	0.0	2.18e-05	0.0	-5.80e-03
410	9	3.04e-03	0.0	-0.01	-0.02	0.0	-3.11	0.01	0.0	2.02e-05	0.0	-5.90e-03
		-5.90e-03	0.0	-2.71e-04	0.0	301.2	-3.11	-0.01	0.0	2.02e-05	0.0	-5.82e-03
410	10	3.04e-03	0.0	-0.01	-0.02	0.0	-3.03	0.01	0.0	2.00e-05	0.0	-5.90e-03
		-5.90e-03	0.0	-2.70e-04	0.0	301.2	-3.03	-0.01	0.0	2.00e-05	0.0	-5.82e-03
410	11	3.04e-03	0.0	-0.01	-0.02	0.0	-3.07	0.01	0.0	2.01e-05	0.0	-5.90e-03
		-5.90e-03	0.0	-2.64e-04	0.0	301.2	-3.07	-0.01	0.0	2.01e-05	0.0	-5.82e-03
411	1	4.11e-03	0.0	-0.01	-0.03	0.0	-4.55	0.02	0.0	2.90e-05	0.0	-7.84e-03
		-7.96e-03	0.0	-3.72e-04	0.0	301.2	-4.55	-0.02	0.0	2.90e-05	0.0	-7.96e-03
411	2	4.11e-03	0.0	-0.01	-0.03	0.0	-4.47	0.02	0.0	2.88e-05	0.0	-7.84e-03
		-7.97e-03	0.0	-3.76e-04	0.0	301.2	-4.47	-0.02	0.0	2.88e-05	0.0	-7.97e-03
411	3	4.11e-03	0.0	-0.01	-0.03	0.0	-4.38	0.02	0.0	2.82e-05	0.0	-7.85e-03
		-7.97e-03	0.0	-4.01e-04	0.0	301.2	-4.38	-0.02	0.0	2.82e-05	0.0	-7.97e-03
411	4	4.11e-03	0.0	-0.01	-0.03	0.0	-4.38	0.02	0.0	2.81e-05	0.0	-7.85e-03
		-7.97e-03	0.0	-6.30e-04	0.0	301.2	-4.38	-0.02	0.0	2.81e-05	0.0	-7.97e-03
411	5	4.11e-03	0.0	-0.01	-0.03	0.0	-4.67	0.02	0.0	3.10e-05	0.0	-7.84e-03
		-7.97e-03	0.0	-6.65e-04	0.0	301.2	-4.67	-0.02	0.0	3.10e-05	0.0	-7.97e-03
411	6	4.11e-03	0.0	-0.01	-0.03	0.0	-4.55	0.02	0.0	2.92e-05	0.0	-7.84e-03
		-7.96e-03	0.0	-6.31e-04	0.0	301.2	-4.55	-0.02	0.0	2.92e-05	0.0	-7.96e-03
411	7	4.11e-03	0.0	-0.01	-0.03	0.0	-4.37	0.02	0.0	2.80e-05	0.0	-7.85e-03
		-7.97e-03	0.0	-3.88e-04	0.0	301.2	-4.37	-0.02	0.0	2.80e-05	0.0	-7.97e-03
411	8	3.05e-03	0.0	-0.01	-0.02	0.0	-3.38	0.01	0.0	2.17e-05	0.0	-5.80e-03
		-5.90e-03	0.0	-3.07e-04	0.0	301.2	-3.38	-0.01	0.0	2.17e-05	0.0	-5.90e-03
411	9	3.04e-03	0.0	-0.01	-0.02	0.0	-3.19	0.01	0.0	2.04e-05	0.0	-5.82e-03
		-5.90e-03	0.0	-2.69e-04	0.0	301.2	-3.19	-0.01	0.0	2.04e-05	0.0	-5.90e-03
411	10	3.04e-03	0.0	-0.01	-0.02	0.0	-3.10	0.01	0.0	2.00e-05	0.0	-5.82e-03
		-5.90e-03	0.0	-2.85e-04	0.0	301.2	-3.10	-0.01	0.0	2.00e-05	0.0	-5.90e-03
411	11	3.04e-03	0.0	-0.01	-0.02	0.0	-3.19	0.01	0.0	2.05e-05	0.0	-5.82e-03
		-5.90e-03	0.0	-4.12e-04	0.0	301.2	-3.19	-0.01	0.0	2.05e-05	0.0	-5.90e-03
412	1	4.11e-03	0.0	-0.02	-0.03	0.0	-4.15	0.02	0.0	1.95e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-3.72e-04	0.0	301.2	-4.15	-0.02	0.0	1.95e-05	0.0	-7.85e-03
412	2	4.11e-03	0.0	-0.02	-0.03	0.0	-4.08	0.02	0.0	1.99e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-3.74e-04	0.0	301.2	-4.08	-0.02	0.0	1.99e-05	0.0	-7.85e-03
412	3	4.10e-03	0.0	-0.02	-0.03	0.0	-4.02	0.02	0.0	1.95e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-3.75e-04	0.0	301.2	-4.02	-0.02	0.0	1.95e-05	0.0	-7.86e-03
412	4	4.10e-03	0.0	-0.02	-0.03	0.0	-3.92	0.02	0.0	1.95e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-1.65e-04	0.0	301.2	-3.92	-0.02	0.0	1.95e-05	0.0	-7.86e-03
412	5	4.11e-03	0.0	-0.02	-0.03	0.0	-4.45	0.02	0.0	2.64e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-2.81e-04	0.0	301.2	-4.45	-0.02	0.0	2.64e-05	0.0	-7.85e-03
412	6	4.11e-03	0.0	-0.02	-0.03	0.0	-4.07	0.02	0.0	1.92e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-3.65e-04	0.0	301.2	-4.07	-0.02	0.0	1.92e-05	0.0	-7.85e-03
412	7	4.10e-03	0.0	-0.02	-0.03	0.0	-3.99	0.02	0.0	1.89e-05	0.0	-7.97e-03
		-7.97e-03	0.0	-3.47e-04	0.0	301.2	-3.99	-0.02	0.0	1.89e-05	0.0	-7.86e-03
412	8	3.04e-03	0.0	-0.01	-0.02	0.0	-3.11	0.01	0.0	1.49e-05	0.0	-5.90e-03
		-5.90e-03	0.0	-2.90e-04	0.0	301.2	-3.11	-0.01	0.0	1.49e-05	0.0	-5.81e-03
412	9	3.04e-03	0.0	-0.01	-0.02	0.0	-2.91	0.01	0.0	1.39e-05	0.0	-5.90e-03
		-5.90e-03	0.0	-2.60e-04	0.0	301.2	-2.91	-0.01	0.0	1.39e-05	0.0	-5.82e-03
412	10	3.04e-03	0.0	-0.01	-0.02	0.0	-2.84	0.01	0.0	1.39e-05	0.0	-5.90e-03

412	11	-5.90e-03	0.0	-2.62e-04	0.0	301.2	-2.84	-0.01	0.0	1.39e-05	0.0	-5.83e-03
		3.04e-03	0.0	-0.01	-0.02	0.0	-2.87	0.01	0.0	1.38e-05	0.0	-5.90e-03
		-5.90e-03	0.0	-2.57e-04	0.0	301.2	-2.87	-0.01	0.0	1.38e-05	0.0	-5.82e-03
413	1	4.11e-03	0.0	-0.02	-0.03	0.0	-4.38	0.02	0.0	3.74e-05	0.0	-7.84e-03
		-7.97e-03	0.0	-3.74e-04	0.0	301.2	-4.38	-0.02	0.0	3.74e-05	0.0	-7.97e-03
413	2	4.11e-03	0.0	-0.02	-0.03	0.0	-4.31	0.02	0.0	3.66e-05	0.0	-7.84e-03
		-7.97e-03	0.0	-3.75e-04	0.0	301.2	-4.31	-0.02	0.0	3.66e-05	0.0	-7.97e-03
413	3	4.11e-03	0.0	-0.02	-0.03	0.0	-4.21	0.02	0.0	3.62e-05	0.0	-7.84e-03
		-7.97e-03	0.0	-3.97e-04	0.0	301.2	-4.21	-0.02	0.0	3.62e-05	0.0	-7.97e-03
413	4	4.11e-03	0.0	-0.02	-0.03	0.0	-4.20	0.02	0.0	3.61e-05	0.0	-7.84e-03
		-7.97e-03	0.0	-6.27e-04	0.0	301.2	-4.20	-0.02	0.0	3.61e-05	0.0	-7.97e-03
413	5	4.11e-03	0.0	-0.02	-0.03	0.0	-4.50	0.02	0.0	3.76e-05	0.0	-7.84e-03
		-7.97e-03	0.0	-6.52e-04	0.0	301.2	-4.50	-0.02	0.0	3.76e-05	0.0	-7.97e-03
413	6	4.11e-03	0.0	-0.02	-0.03	0.0	-4.38	0.02	0.0	3.76e-05	0.0	-7.84e-03
		-7.97e-03	0.0	-6.33e-04	0.0	301.2	-4.38	-0.02	0.0	3.76e-05	0.0	-7.97e-03
413	7	4.11e-03	0.0	-0.02	-0.03	0.0	-4.20	0.02	0.0	3.61e-05	0.0	-7.84e-03
		-7.97e-03	0.0	-3.86e-04	0.0	301.2	-4.20	-0.02	0.0	3.61e-05	0.0	-7.97e-03
413	8	3.05e-03	0.0	-0.01	-0.02	0.0	-3.25	0.01	0.0	2.80e-05	0.0	-5.80e-03
		-5.91e-03	0.0	-3.05e-04	0.0	301.2	-3.25	-0.01	0.0	2.80e-05	0.0	-5.91e-03
413	9	3.04e-03	0.0	-0.01	-0.02	0.0	-3.07	0.01	0.0	2.61e-05	0.0	-5.82e-03
		-5.91e-03	0.0	-2.69e-04	0.0	301.2	-3.07	-0.01	0.0	2.61e-05	0.0	-5.91e-03
413	10	3.04e-03	0.0	-0.01	-0.02	0.0	-2.98	0.01	0.0	2.54e-05	0.0	-5.82e-03
		-5.91e-03	0.0	-2.82e-04	0.0	301.2	-2.98	-0.01	0.0	2.54e-05	0.0	-5.91e-03
413	11	3.04e-03	0.0	-0.01	-0.02	0.0	-3.07	0.01	0.0	2.62e-05	0.0	-5.82e-03
		-5.90e-03	0.0	-4.13e-04	0.0	301.2	-3.07	-0.01	0.0	2.62e-05	0.0	-5.90e-03
414	1	4.09e-03	1.46e-06	-0.02	-0.03	0.0	-3.40	0.02	0.0	1.11e-05	1.46e-06	-7.98e-03
		-7.98e-03	-1.08e-06	-3.40e-04	0.0	301.2	-3.40	-0.02	0.0	1.11e-05	-1.08e-06	-7.87e-03
414	2	4.09e-03	1.40e-06	-0.02	-0.03	0.0	-3.33	0.02	0.0	1.19e-05	1.40e-06	-7.98e-03
		-7.98e-03	-1.08e-06	-3.45e-04	0.0	301.2	-3.33	-0.02	0.0	1.19e-05	-1.08e-06	-7.88e-03
414	3	4.09e-03	1.36e-06	-0.02	-0.03	0.0	-3.29	0.02	0.0	1.15e-05	1.36e-06	-7.98e-03
		-7.98e-03	-1.06e-06	-3.47e-04	0.0	301.2	-3.29	-0.02	0.0	1.15e-05	-1.06e-06	-7.88e-03
414	4	4.09e-03	1.08e-06	-0.02	-0.03	0.0	-3.19	0.02	0.0	1.15e-05	1.08e-06	-7.98e-03
		-7.98e-03	-1.40e-06	-1.51e-04	0.0	301.2	-3.19	-0.02	0.0	1.15e-05	-1.40e-06	-7.88e-03
414	5	4.09e-03	1.25e-06	-0.02	-0.03	0.0	-3.57	0.02	0.0	1.93e-05	1.25e-06	-7.98e-03
		-7.98e-03	-1.50e-06	-2.64e-04	0.0	301.2	-3.57	-0.02	0.0	1.93e-05	-1.50e-06	-7.87e-03
414	6	4.09e-03	1.29e-06	-0.02	-0.03	0.0	-3.31	0.02	0.0	1.07e-05	1.29e-06	-7.98e-03
		-7.98e-03	-1.26e-06	-3.41e-04	0.0	301.2	-3.31	-0.02	0.0	1.07e-05	-1.26e-06	-7.87e-03
414	7	4.09e-03	1.37e-06	-0.02	-0.03	0.0	-3.26	0.02	0.0	1.08e-05	1.37e-06	-7.98e-03
		-7.98e-03	-1.06e-06	-3.18e-04	0.0	301.2	-3.26	-0.02	0.0	1.08e-05	-1.06e-06	-7.88e-03
414	8	3.03e-03	1.06e-06	-0.01	-0.02	0.0	-2.55	0.01	0.0	8.61e-06	1.06e-06	-5.91e-03
		-5.91e-03	0.0	-2.68e-04	0.0	301.2	-2.55	-0.01	0.0	8.61e-06	0.0	-5.83e-03
414	9	3.03e-03	1.01e-06	-0.01	-0.02	0.0	-2.38	0.01	0.0	8.15e-06	1.01e-06	-5.91e-03
		-5.91e-03	0.0	-2.39e-04	0.0	301.2	-2.38	-0.01	0.0	8.15e-06	0.0	-5.84e-03
414	10	3.03e-03	0.0	-0.01	-0.02	0.0	-2.32	0.01	0.0	8.36e-06	0.0	-5.91e-03
		-5.91e-03	0.0	-2.43e-04	0.0	301.2	-2.32	-0.01	0.0	8.36e-06	0.0	-5.84e-03
414	11	3.03e-03	0.0	-0.01	-0.02	0.0	-2.33	0.01	0.0	7.92e-06	0.0	-5.91e-03
		-5.91e-03	0.0	-2.40e-04	0.0	301.2	-2.33	-0.01	0.0	7.92e-06	0.0	-5.84e-03
415	1	4.10e-03	1.78e-06	-0.02	-0.03	0.0	-3.75	0.02	0.0	4.45e-05	1.78e-06	-7.85e-03
		-7.99e-03	0.0	-3.39e-04	0.0	301.2	-3.75	-0.02	0.0	4.45e-05	0.0	-7.99e-03
415	2	4.10e-03	1.79e-06	-0.02	-0.03	0.0	-3.69	0.02	0.0	4.32e-05	1.79e-06	-7.85e-03
		-7.99e-03	0.0	-3.39e-04	0.0	301.2	-3.69	-0.02	0.0	4.32e-05	0.0	-7.99e-03
415	3	4.10e-03	1.85e-06	-0.02	-0.03	0.0	-3.60	0.02	0.0	4.30e-05	1.85e-06	-7.85e-03
		-7.99e-03	0.0	-3.57e-04	0.0	301.2	-3.60	-0.02	0.0	4.30e-05	0.0	-7.99e-03
415	4	4.10e-03	1.85e-06	-0.02	-0.03	0.0	-3.58	0.02	0.0	4.29e-05	1.85e-06	-7.85e-03
		-7.99e-03	0.0	-5.86e-04	0.0	301.2	-3.58	-0.02	0.0	4.29e-05	0.0	-7.99e-03
415	5	4.10e-03	2.30e-06	-0.02	-0.03	0.0	-3.87	0.02	0.0	4.31e-05	2.30e-06	-7.85e-03
		-7.99e-03	0.0	-5.93e-04	0.0	301.2	-3.87	-0.02	0.0	4.31e-05	0.0	-7.99e-03
415	6	4.10e-03	1.79e-06	-0.02	-0.03	0.0	-3.75	0.02	0.0	4.48e-05	1.79e-06	-7.85e-03
		-7.99e-03	0.0	-5.98e-04	0.0	301.2	-3.75	-0.02	0.0	4.48e-05	0.0	-7.99e-03
415	7	4.10e-03	1.80e-06	-0.02	-0.03	0.0	-3.59	0.02	0.0	4.31e-05	1.80e-06	-7.85e-03
		-7.99e-03	0.0	-3.48e-04	0.0	301.2	-3.59	-0.02	0.0	4.31e-05	0.0	-7.99e-03
415	8	3.04e-03	1.43e-06	-0.01	-0.02	0.0	-2.78	0.01	0.0	3.35e-05	1.43e-06	-5.81e-03
		-5.92e-03	0.0	-2.74e-04	0.0	301.2	-2.78	-0.01	0.0	3.35e-05	0.0	-5.92e-03
415	9	3.03e-03	1.27e-06	-0.01	-0.02	0.0	-2.63	0.01	0.0	3.10e-05	1.27e-06	-5.82e-03
		-5.92e-03	0.0	-2.43e-04	0.0	301.2	-2.63	-0.01	0.0	3.10e-05	0.0	-5.92e-03
415	10	3.03e-03	1.30e-06	-0.01	-0.02	0.0	-2.55	0.01	0.0	3.01e-05	1.30e-06	-5.82e-03
		-5.92e-03	0.0	-2.54e-04	0.0	301.2	-2.55	-0.01	0.0	3.01e-05	0.0	-5.92e-03
415	11	3.03e-03	1.27e-06	-0.01	-0.02	0.0	-2.63	0.01	0.0	3.11e-05	1.27e-06	-5.82e-03
		-5.92e-03	0.0	-3.87e-04	0.0	301.2	-2.63	-0.01	0.0	3.11e-05	0.0	-5.92e-03
416	1	4.06e-03	3.61e-06	-0.02	-0.03	0.0	-2.13	0.02	1.41e-06	9.73e-06	0.0	-8.00e-03
		-8.00e-03	0.0	-3.26e-04	0.0	301.2	-2.13	-0.02	1.41e-06	9.73e-06	3.61e-06	-7.91e-03
416	2	4.06e-03	3.39e-06	-0.02	-0.03	0.0	-2.08	0.02	1.33e-06	1.07e-05	0.0	-8.00e-03

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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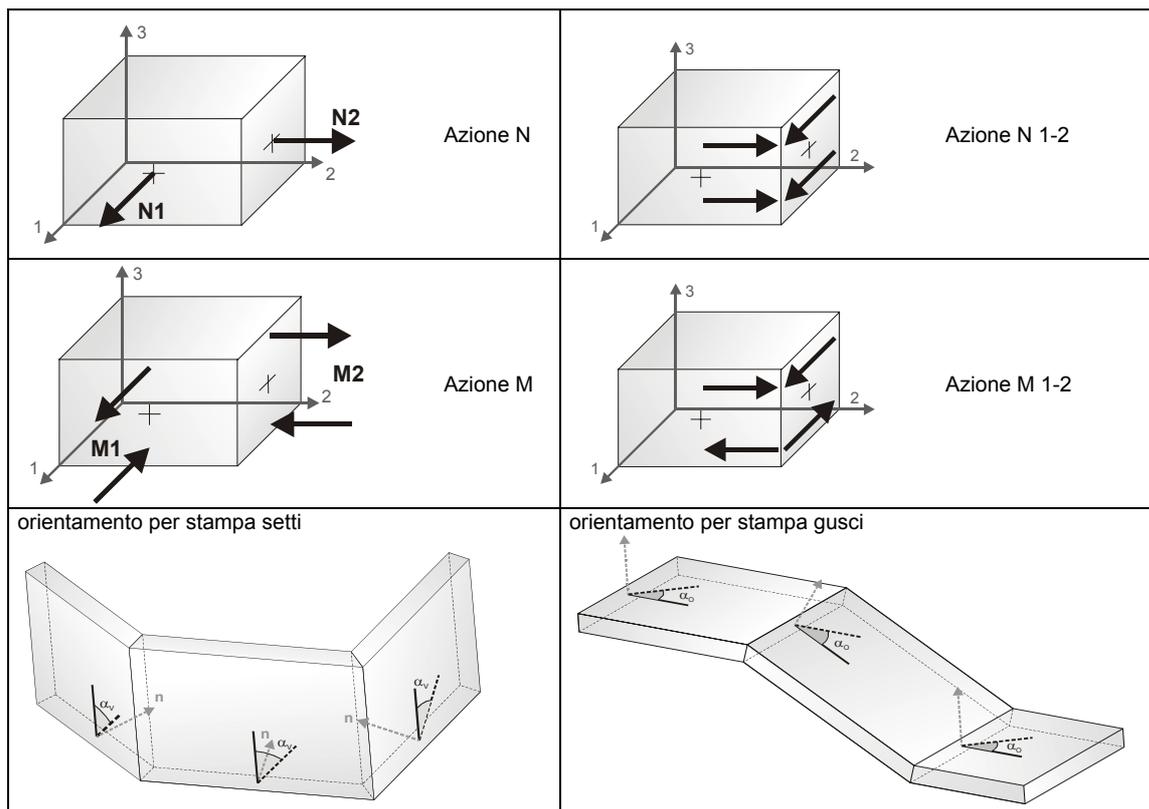
		-8.00e-03	0.0	-3.33e-04	0.0	301.2	-2.08	-0.02	1.33e-06	1.07e-05	3.39e-06	-7.91e-03
416	3	4.06e-03	3.40e-06	-0.02	-0.03	0.0	-2.07	0.02	1.33e-06	1.03e-05	0.0	-8.00e-03
		-8.00e-03	0.0	-3.34e-04	0.0	301.2	-2.07	-0.02	1.33e-06	1.03e-05	3.40e-06	-7.91e-03
416	4	4.06e-03	4.24e-06	-0.02	-0.03	0.0	-2.04	0.02	1.73e-06	1.03e-05	0.0	-8.00e-03
		-8.00e-03	0.0	-1.45e-04	0.0	301.2	-2.04	-0.02	1.73e-06	1.03e-05	4.24e-06	-7.91e-03
416	5	4.06e-03	3.73e-06	-0.02	-0.03	0.0	-2.22	0.02	1.48e-06	1.77e-05	0.0	-8.00e-03
		-8.00e-03	0.0	-2.59e-04	0.0	301.2	-2.22	-0.02	1.48e-06	1.77e-05	3.73e-06	-7.91e-03
416	6	4.06e-03	3.83e-06	-0.02	-0.03	0.0	-2.09	0.02	1.55e-06	9.22e-06	0.0	-8.00e-03
		-8.00e-03	0.0	-3.33e-04	0.0	301.2	-2.09	-0.02	1.55e-06	9.22e-06	3.83e-06	-7.91e-03
416	7	4.06e-03	3.53e-06	-0.02	-0.03	0.0	-2.05	0.02	1.38e-06	9.59e-06	0.0	-8.00e-03
		-8.00e-03	0.0	-3.05e-04	0.0	301.2	-2.05	-0.02	1.38e-06	9.59e-06	3.53e-06	-7.91e-03
416	8	3.01e-03	2.66e-06	-0.01	-0.02	0.0	-1.60	0.01	1.04e-06	7.76e-06	0.0	-5.93e-03
		-5.93e-03	0.0	-2.58e-04	0.0	301.2	-1.60	-0.01	1.04e-06	7.76e-06	2.66e-06	-5.87e-03
416	9	3.01e-03	2.50e-06	-0.01	-0.02	0.0	-1.49	0.01	0.0	7.11e-06	0.0	-5.93e-03
		-5.93e-03	0.0	-2.30e-04	0.0	301.2	-1.49	-0.01	0.0	7.11e-06	2.50e-06	-5.87e-03
416	10	3.00e-03	2.38e-06	-0.01	-0.02	0.0	-1.45	0.01	0.0	7.41e-06	0.0	-5.93e-03
		-5.93e-03	0.0	-2.34e-04	0.0	301.2	-1.45	-0.01	0.0	7.41e-06	2.38e-06	-5.87e-03
416	11	3.01e-03	2.62e-06	-0.01	-0.02	0.0	-1.47	0.01	1.06e-06	6.82e-06	0.0	-5.93e-03
		-5.93e-03	0.0	-2.34e-04	0.0	301.2	-1.47	-0.01	1.06e-06	6.82e-06	2.62e-06	-5.87e-03
417	1	4.08e-03	4.80e-06	-0.02	-0.03	0.0	-2.68	0.02	1.13e-06	4.97e-05	1.39e-06	-7.86e-03
		-8.01e-03	1.39e-06	-2.64e-04	0.0	301.2	-2.68	-0.02	1.13e-06	4.97e-05	4.80e-06	-8.01e-03
417	2	4.08e-03	4.87e-06	-0.02	-0.03	0.0	-2.64	0.02	1.16e-06	4.83e-05	1.37e-06	-7.86e-03
		-8.01e-03	1.37e-06	-2.63e-04	0.0	301.2	-2.64	-0.02	1.16e-06	4.83e-05	4.87e-06	-8.01e-03
417	3	4.08e-03	4.81e-06	-0.02	-0.03	0.0	-2.57	0.02	1.11e-06	4.82e-05	1.48e-06	-7.87e-03
		-8.01e-03	1.48e-06	-2.77e-04	0.0	301.2	-2.57	-0.02	1.11e-06	4.82e-05	4.81e-06	-8.01e-03
417	4	4.08e-03	4.76e-06	-0.02	-0.03	0.0	-2.56	0.02	1.09e-06	4.82e-05	1.49e-06	-7.87e-03
		-8.01e-03	1.49e-06	-5.06e-04	0.0	301.2	-2.56	-0.02	1.09e-06	4.82e-05	4.76e-06	-8.01e-03
417	5	4.08e-03	5.81e-06	-0.02	-0.03	0.0	-2.78	0.02	1.43e-06	4.73e-05	1.50e-06	-7.86e-03
		-8.01e-03	1.50e-06	-4.98e-04	0.0	301.2	-2.78	-0.02	1.43e-06	4.73e-05	5.81e-06	-8.01e-03
417	6	4.08e-03	4.81e-06	-0.02	-0.03	0.0	-2.68	0.02	1.13e-06	5.00e-05	1.49e-06	-7.86e-03
		-8.01e-03	1.40e-06	-5.23e-04	0.0	301.2	-2.68	-0.02	1.13e-06	5.00e-05	4.81e-06	-8.01e-03
417	7	4.08e-03	4.71e-06	-0.02	-0.03	0.0	-2.57	0.02	1.09e-06	4.83e-05	1.43e-06	-7.87e-03
		-8.01e-03	1.43e-06	-2.72e-04	0.0	301.2	-2.57	-0.02	1.09e-06	4.83e-05	4.71e-06	-8.01e-03
417	8	3.02e-03	3.68e-06	-0.02	-0.02	0.0	-1.98	0.01	0.0	3.78e-05	1.15e-06	-5.82e-03
		-5.94e-03	1.15e-06	-2.12e-04	0.0	301.2	-1.98	-0.01	0.0	3.78e-05	3.68e-06	-5.94e-03
417	9	3.02e-03	3.42e-06	-0.02	-0.02	0.0	-1.88	0.01	0.0	3.44e-05	0.0	-5.83e-03
		-5.93e-03	0.0	-1.90e-04	0.0	301.2	-1.88	-0.01	0.0	3.44e-05	3.42e-06	-5.93e-03
417	10	3.02e-03	3.42e-06	-0.02	-0.02	0.0	-1.82	0.01	0.0	3.36e-05	1.03e-06	-5.83e-03
		-5.93e-03	1.03e-06	-1.97e-04	0.0	301.2	-1.82	-0.01	0.0	3.36e-05	3.42e-06	-5.93e-03
417	11	3.02e-03	3.42e-06	-0.02	-0.02	0.0	-1.88	0.01	0.0	3.45e-05	0.0	-5.83e-03
		-5.93e-03	0.0	-3.34e-04	0.0	301.2	-1.88	-0.01	0.0	3.45e-05	3.42e-06	-5.93e-03
418	1	4.01e-03	3.98e-06	-0.02	-0.03	0.0	-0.32	0.02	-7.05e-06	2.88e-05	3.98e-06	-8.06e-03
		-8.06e-03	-1.72e-05	-3.49e-04	0.0	301.2	-0.32	-0.02	-7.05e-06	2.88e-05	-1.72e-05	-7.96e-03
418	2	4.01e-03	3.80e-06	-0.02	-0.03	0.0	-0.31	0.02	-6.84e-06	2.94e-05	3.80e-06	-8.06e-03
		-8.06e-03	-1.68e-05	-3.59e-04	0.0	301.2	-0.31	-0.02	-6.84e-06	2.94e-05	-1.68e-05	-7.96e-03
418	3	4.01e-03	3.79e-06	-0.02	-0.03	0.0	-0.31	0.02	-6.80e-06	2.92e-05	3.79e-06	-8.06e-03
		-8.06e-03	-1.67e-05	-3.59e-04	0.0	301.2	-0.31	-0.02	-6.80e-06	2.92e-05	-1.67e-05	-7.96e-03
418	4	4.01e-03	4.64e-06	-0.02	-0.03	0.0	-0.34	0.02	-7.24e-06	2.91e-05	4.64e-06	-8.06e-03
		-8.06e-03	-1.72e-05	-1.49e-04	0.0	301.2	-0.34	-0.02	-7.24e-06	2.91e-05	-1.72e-05	-7.96e-03
418	5	4.02e-03	4.47e-06	-0.02	-0.03	0.0	-0.35	0.02	-7.43e-06	3.40e-05	4.47e-06	-8.05e-03
		-8.05e-03	-1.79e-05	-2.79e-04	0.0	301.2	-0.35	-0.02	-7.43e-06	3.40e-05	-1.79e-05	-7.95e-03
418	6	4.01e-03	4.18e-06	-0.02	-0.03	0.0	-0.33	0.02	-7.03e-06	2.84e-05	4.18e-06	-8.06e-03
		-8.06e-03	-1.70e-05	-3.48e-04	0.0	301.2	-0.33	-0.02	-7.03e-06	2.84e-05	-1.70e-05	-7.96e-03
418	7	4.01e-03	3.89e-06	-0.02	-0.03	0.0	-0.31	0.02	-6.83e-06	2.87e-05	3.89e-06	-8.06e-03
		-8.06e-03	-1.67e-05	-3.26e-04	0.0	301.2	-0.31	-0.02	-6.83e-06	2.87e-05	-1.67e-05	-7.96e-03
418	8	2.97e-03	2.95e-06	-0.02	-0.02	0.0	-0.24	0.01	-5.27e-06	2.29e-05	2.95e-06	-5.97e-03
		-5.97e-03	-1.29e-05	-2.77e-04	0.0	301.2	-0.24	-0.01	-5.27e-06	2.29e-05	-1.29e-05	-5.89e-03
418	9	2.97e-03	2.78e-06	-0.01	-0.02	0.0	-0.22	0.01	-4.92e-06	2.00e-05	2.78e-06	-5.96e-03
		-5.96e-03	-1.20e-05	-2.46e-04	0.0	301.2	-0.22	-0.01	-4.92e-06	2.00e-05	-1.20e-05	-5.90e-03
418	10	2.97e-03	2.67e-06	-0.01	-0.02	0.0	-0.22	0.01	-4.78e-06	2.02e-05	2.67e-06	-5.96e-03
		-5.96e-03	-1.17e-05	-2.52e-04	0.0	301.2	-0.22	-0.01	-4.78e-06	2.02e-05	-1.17e-05	-5.90e-03
418	11	2.97e-03	2.89e-06	-0.01	-0.02	0.0	-0.23	0.01	-4.91e-06	1.97e-05	2.89e-06	-5.96e-03
		-5.96e-03	-1.19e-05	-2.46e-04	0.0	301.2	-0.23	-0.01	-4.91e-06	1.97e-05	-1.19e-05	-5.90e-03
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-1870.72	-673.33	-798.08	-1127.05		-1186.67	-2024.52	-208.15	-260.94		
		8269.56	641.75	131.24	168.02		9728.40	2043.74	157.78	1236.18		

14. RISULTATI ELEMENTI TIPO SHELL

14.1 LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate.

Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises	(valore riassuntivo del complessivo stato di sollecitazione)	
N max	sforzo membranale principale massimo	
N min	sforzo membranale principale minimo	
M max	sforzo flessionale principale massimo	
M min	sforzo flessionale principale minimo	
N1	N2	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
N1-2	M1	
M2	M1-2	

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_o attorno all'asse Z per i gusci e ruotata di α_v attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se α_v è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento

T Azione torsionale complessiva agente nel piano orizzontale

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			kN/ m2	kN/ m	kN/ m	kN/ m	kN/ m	kN/ m	kN	kN	kN	kN	kN
1	1	1105	2079.00	111.26	-197.30	-68.47	-17.57	-152.17	5.59	-7.20	-4.79	3.18	-5.00
		1104	1342.88	9.00	-198.61	-102.51	-87.10	-103.52	11.51	4.32	6.20	9.64	-3.16
		178	1917.79	-45.74	-346.22	-304.86	-87.10	-103.52	15.32	4.19	4.42	15.09	-1.58
		984	2729.65	53.76	-342.16	-270.82	-17.57	-152.17	9.37	-7.31	-6.57	8.64	-3.42
1	2	1105	2259.14	113.35	-203.66	-72.21	-18.11	-156.18	6.23	-8.15	-4.98	3.07	-5.96
		1104	1425.69	7.04	-204.94	-107.57	-90.33	-105.64	11.18	3.12	5.93	8.37	-3.84
		178	1976.32	-47.47	-350.71	-307.85	-90.33	-105.64	14.83	3.54	4.31	14.05	-2.85
		984	2919.54	56.12	-346.71	-272.49	-18.11	-156.18	10.22	-8.07	-6.61	8.75	-4.96
1	3	1105	2116.75	109.57	-199.25	-71.07	-18.61	-152.17	5.70	-7.46	-4.91	3.15	-5.21
		1104	1346.53	10.30	-200.43	-104.09	-86.04	-104.98	11.18	3.98	5.86	9.30	-3.16
		178	1934.45	-43.69	-346.24	-303.89	-86.04	-104.98	15.16	3.98	4.27	14.87	-1.77
		984	2766.05	52.91	-342.38	-270.87	-18.61	-152.17	9.62	-7.40	-6.50	8.72	-3.82
1	4	1105	2129.76	111.98	-200.22	-70.24	-18.00	-153.90	5.73	-7.46	-4.88	3.16	-5.23
		1104	1358.76	9.07	-201.49	-104.48	-87.94	-104.96	11.33	4.01	6.03	9.31	-3.27
		178	1938.29	-45.79	-349.31	-307.17	-87.94	-104.96	15.17	4.02	4.34	14.85	-1.85
		984	2784.87	54.36	-345.29	-272.92	-18.00	-153.90	9.60	-7.47	-6.57	8.70	-3.82
1	5	1105	2086.14	111.33	-197.56	-68.63	-17.61	-152.32	5.62	-7.24	-4.80	3.18	-5.04
		1104	1346.36	8.92	-198.87	-102.72	-87.22	-103.61	11.50	4.28	6.20	9.59	-3.19
		178	1919.55	-45.80	-346.39	-304.97	-87.22	-103.61	15.29	4.18	4.42	15.05	-1.64
		984	2736.85	53.85	-342.33	-270.88	-17.60	-152.32	9.40	-7.33	-6.57	8.64	-3.49
1	6	1105	2079.11	111.39	-197.31	-68.39	-17.54	-152.24	5.59	-7.20	-4.79	3.18	-5.00
		1104	1342.07	8.83	-198.63	-102.53	-87.27	-103.45	11.51	4.33	6.20	9.64	-3.16
		178	1917.15	-45.95	-346.26	-304.94	-87.27	-103.45	15.32	4.19	4.42	15.09	-1.58
		984	2729.75	53.86	-342.19	-270.80	-17.54	-152.24	9.37	-7.31	-6.57	8.64	-3.42
1	7	1105	2070.51	111.06	-197.11	-68.45	-17.61	-151.98	5.56	-7.16	-4.79	3.19	-4.95
		1104	1339.16	9.26	-198.41	-102.34	-86.82	-103.54	11.52	4.37	6.20	9.70	-3.12
		178	1917.03	-45.47	-346.10	-304.75	-86.82	-103.54	15.35	4.21	4.42	15.14	-1.52
		984	2721.13	53.58	-342.05	-270.86	-17.61	-151.98	9.34	-7.27	-6.56	8.64	-3.35
1	8	1105	1639.61	84.14	-153.33	-54.81	-14.38	-117.00	4.51	-5.77	-3.78	2.52	-4.06
		1104	1056.27	8.06	-154.23	-80.11	-66.06	-80.84	8.94	3.21	4.67	7.48	-2.50
		178	1510.99	-33.42	-266.33	-233.69	-66.06	-80.84	12.09	3.20	3.41	11.88	-1.34
		984	2139.59	40.60	-263.37	-208.39	-14.38	-117.00	7.60	-5.71	-5.04	6.93	-2.90
1	9	1105	1467.57	79.04	-140.25	-48.72	-12.50	-108.14	3.84	-5.10	-3.41	2.15	-3.51
		1104	932.22	6.37	-141.18	-72.91	-61.90	-73.57	7.79	2.88	4.20	6.47	-2.17
		178	1339.51	-32.50	-245.96	-216.55	-61.90	-73.57	10.41	2.81	2.99	10.23	-1.16
		984	1929.02	38.22	-243.08	-192.36	-12.50	-108.14	6.47	-5.18	-4.62	5.91	-2.50
1	10	1105	1488.57	78.10	-141.33	-50.16	-13.07	-108.14	3.91	-5.25	-3.47	2.13	-3.62
		1104	934.64	7.09	-142.19	-73.78	-61.31	-74.38	7.60	2.69	4.01	6.28	-2.18
		178	1349.21	-31.35	-245.98	-216.02	-61.31	-74.38	10.33	2.69	2.91	10.11	-1.27
		984	1949.49	37.74	-243.21	-192.39	-13.07	-108.14	6.61	-5.23	-4.58	5.95	-2.71
1	11	1105	1467.63	79.11	-140.26	-48.67	-12.48	-108.18	3.84	-5.10	-3.41	2.15	-3.51
		1104	931.77	6.28	-141.19	-72.92	-61.99	-73.53	7.79	2.89	4.20	6.47	-2.17
		178	1339.15	-32.61	-245.99	-216.60	-61.99	-73.53	10.41	2.81	2.99	10.23	-1.16
		984	1929.08	38.27	-243.10	-192.35	-12.48	-108.18	6.47	-5.18	-4.62	5.91	-2.50
2	1	1108	4489.48	-50.64	-790.98	-778.13	-63.48	-96.67	4.55	-13.26	-11.31	2.60	-5.56
		1105	4308.65	164.89	-748.64	-693.37	109.62	-217.80	5.89	-5.94	-5.39	5.35	-2.48
		984	5299.22	156.73	-897.38	-850.27	109.62	-217.80	13.57	-5.06	-4.67	13.18	-2.65
		983	5420.30	-52.89	-945.63	-935.03	-63.48	-96.67	11.89	-12.05	-10.59	10.44	-5.73
2	2	1108	4699.61	-51.61	-812.93	-798.89	-65.65	-102.44	5.45	-14.57	-11.66	2.55	-7.05
		1105	4531.26	168.68	-770.41	-712.50	110.77	-225.89	6.41	-6.98	-5.74	5.16	-3.89
		984	5546.35	159.86	-928.83	-879.75	110.77	-225.89	14.05	-5.86	-4.96	13.15	-4.14
		983	5660.40	-54.15	-977.64	-966.14	-65.65	-102.44	12.79	-13.13	-10.88	10.54	-7.30
2	3	1108	4547.48	-49.48	-793.91	-779.74	-63.65	-101.72	4.76	-13.67	-11.51	2.61	-5.92
		1105	4353.24	163.88	-753.03	-696.17	107.02	-221.14	5.91	-6.24	-5.56	5.23	-2.79
		984	5403.47	154.72	-918.20	-870.50	107.02	-221.14	13.59	-5.33	-4.83	13.09	-3.03
		983	5543.02	-52.18	-965.54	-954.07	-63.65	-101.72	12.13	-12.43	-10.78	10.47	-6.16
2	4	1108	4567.22	-50.96	-801.36	-787.93	-64.40	-99.50	4.75	-13.64	-11.48	2.59	-5.92
		1105	4384.44	166.34	-759.03	-702.59	109.90	-221.46	5.99	-6.20	-5.51	5.30	-2.81
		984	5391.85	157.85	-912.83	-864.87	109.90	-221.46	13.65	-5.28	-4.79	13.17	-3.00
		983	5517.06	-53.36	-961.25	-950.21	-64.40	-99.50	12.09	-12.39	-10.76	10.46	-6.11
2	5	1108	4497.51	-50.65	-791.78	-778.88	-63.55	-96.93	4.59	-13.31	-11.33	2.60	-5.62
		1105	4317.24	165.04	-749.46	-694.07	109.66	-218.13	5.91	-5.98	-5.41	5.34	-2.54
		984	5309.68	156.84	-898.81	-851.63	109.66	-218.13	13.58	-5.09	-4.69	13.18	-2.71
		983	5430.53	-52.92	-947.08	-936.44	-63.55	-96.93	11.93	-12.09	-10.61	10.44	-5.79
2	6	1108	4489.99	-50.67	-791.18	-778.34	-63.50	-96.65	4.55	-13.26	-11.31	2.60	-5.56

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1105	4309.35	165.00	-748.81	-693.52	109.71	-217.86	5.89	-5.94	-5.39	5.35	-2.48
		984	5299.05	156.85	-897.30	-850.16	109.71	-217.86	13.57	-5.06	-4.67	13.18	-2.64
		983	5419.88	-52.91	-945.57	-934.98	-63.50	-96.65	11.89	-12.05	-10.60	10.44	-5.72
2	7	1108	4481.72	-50.55	-790.30	-777.46	-63.39	-96.61	4.51	-13.21	-11.30	2.61	-5.49
		1105	4299.59	164.63	-748.03	-692.83	109.43	-217.55	5.87	-5.90	-5.38	5.36	-2.41
		984	5290.03	156.48	-896.58	-849.54	109.44	-217.55	13.54	-5.03	-4.66	13.18	-2.57
		983	5412.24	-52.80	-944.75	-934.16	-63.39	-96.61	11.85	-12.01	-10.59	10.43	-5.65
2	8	1108	3506.04	-37.96	-610.66	-599.68	-48.95	-78.55	3.76	-10.54	-8.88	2.10	-4.58
		1105	3354.12	125.94	-579.33	-535.51	82.11	-170.26	4.70	-4.75	-4.24	4.19	-2.14
		984	4176.19	118.83	-707.47	-670.75	82.11	-170.26	10.79	-4.02	-3.65	10.42	-2.30
		983	4283.95	-40.07	-743.81	-734.93	-48.95	-78.55	9.58	-9.55	-8.29	8.33	-4.74
2	9	1108	3185.36	-35.97	-562.15	-553.00	-45.12	-68.79	3.15	-9.43	-8.03	1.75	-3.96
		1105	3058.21	117.16	-532.09	-492.78	77.85	-154.85	4.02	-4.30	-3.89	3.61	-1.80
		984	3751.95	111.35	-638.03	-604.53	77.85	-154.85	9.28	-3.70	-3.40	8.98	-1.94
		983	3839.34	-37.58	-672.29	-664.75	-45.12	-68.79	8.20	-8.60	-7.54	7.13	-4.10
2	10	1108	3217.54	-35.33	-563.77	-553.89	-45.22	-71.59	3.27	-9.65	-8.14	1.76	-4.15
		1105	3083.08	116.60	-534.53	-494.34	76.41	-156.70	4.02	-4.47	-3.98	3.54	-1.97
		984	3810.12	110.23	-649.59	-615.77	76.41	-156.70	9.29	-3.85	-3.49	8.93	-2.15
		983	3907.59	-37.18	-683.36	-675.32	-45.22	-71.59	8.33	-8.82	-7.64	7.15	-4.34
2	11	1108	3185.64	-35.99	-562.26	-553.11	-45.14	-68.78	3.15	-9.43	-8.03	1.75	-3.95
		1105	3058.60	117.22	-532.18	-492.87	77.91	-154.88	4.02	-4.30	-3.89	3.61	-1.80
		984	3751.85	111.41	-637.98	-604.47	77.91	-154.88	9.28	-3.70	-3.40	8.98	-1.94
		983	3839.10	-37.59	-672.26	-664.72	-45.14	-68.78	8.19	-8.60	-7.54	7.13	-4.10
3	1	1109	7259.56	-35.27	-1361.31	-1356.57	-40.01	-79.14	5.22	-18.86	-16.28	2.64	-7.46
		1108	6986.70	68.11	-1326.11	-1311.02	53.02	-144.24	6.18	-13.04	-11.92	5.06	-4.52
		983	7681.05	67.21	-1413.03	-1398.84	53.02	-144.24	14.02	-11.62	-10.74	13.13	-4.69
		982	7909.42	-35.56	-1448.84	-1444.39	-40.01	-79.14	12.80	-17.18	-15.10	10.72	-7.63
3	2	1109	7582.21	-37.64	-1412.89	-1407.63	-42.91	-84.91	6.14	-20.35	-16.87	2.66	-8.95
		1108	7301.08	72.25	-1375.89	-1359.34	55.70	-153.91	7.02	-14.16	-12.29	5.14	-6.01
		983	8043.90	71.17	-1475.67	-1460.20	55.70	-153.91	14.67	-12.65	-11.18	13.20	-6.17
		982	8281.79	-38.00	-1513.39	-1508.48	-42.91	-84.91	13.54	-18.60	-15.77	10.71	-9.11
3	3	1109	7398.57	-37.45	-1387.77	-1383.15	-42.07	-78.90	5.41	-19.34	-16.56	2.62	-7.83
		1108	7128.99	74.16	-1349.78	-1333.97	58.35	-149.18	6.41	-13.37	-12.07	5.11	-4.88
		983	7832.10	73.22	-1438.52	-1423.66	58.35	-149.18	14.20	-11.94	-10.93	13.19	-5.03
		982	8056.24	-37.73	-1477.17	-1472.83	-42.07	-78.90	12.94	-17.65	-15.41	10.70	-7.98
3	4	1109	7396.78	-36.31	-1386.19	-1381.29	-41.22	-81.26	5.42	-19.33	-16.55	2.64	-7.81
		1108	7120.20	70.44	-1349.97	-1334.29	54.76	-148.42	6.36	-13.38	-12.09	5.08	-4.87
		983	7828.41	69.49	-1440.34	-1425.61	54.76	-148.42	14.16	-11.95	-10.94	13.15	-5.04
		982	8060.76	-36.62	-1477.21	-1472.61	-41.22	-81.26	12.96	-17.64	-15.39	10.71	-7.99
3	5	1109	7271.65	-35.39	-1363.35	-1358.60	-40.13	-79.21	5.26	-18.91	-16.30	2.64	-7.51
		1108	6998.72	68.37	-1328.01	-1312.88	53.24	-144.55	6.22	-13.08	-11.93	5.07	-4.57
		983	7694.63	67.47	-1415.33	-1401.10	53.24	-144.55	14.05	-11.66	-10.75	13.14	-4.74
		982	7923.07	-35.68	-1451.26	-1446.82	-40.13	-79.21	12.82	-17.23	-15.12	10.71	-7.68
3	6	1109	7259.66	-35.24	-1361.40	-1356.67	-39.97	-79.05	5.22	-18.86	-16.28	2.64	-7.45
		1108	6986.78	68.12	-1326.19	-1311.12	53.06	-144.14	6.18	-13.04	-11.92	5.06	-4.51
		983	7679.67	67.23	-1412.72	-1398.55	53.06	-144.14	14.02	-11.62	-10.74	13.13	-4.69
		982	7908.05	-35.53	-1448.53	-1444.10	-39.97	-79.05	12.80	-17.18	-15.10	10.72	-7.62
3	7	1109	7250.70	-35.23	-1360.33	-1355.60	-39.95	-79.01	5.18	-18.80	-16.26	2.64	-7.38
		1108	6978.37	68.09	-1325.13	-1310.07	53.03	-144.08	6.15	-13.00	-11.91	5.05	-4.44
		983	7669.34	67.20	-1411.16	-1396.99	53.03	-144.08	13.99	-11.58	-10.72	13.13	-4.62
		982	7897.11	-35.52	-1446.95	-1442.52	-39.95	-79.01	12.77	-17.12	-15.07	10.72	-7.56
3	8	1109	5703.95	-28.94	-1068.85	-1065.31	-32.48	-60.60	4.25	-14.92	-12.76	2.10	-6.05
		1108	5496.16	57.45	-1039.43	-1027.24	45.26	-115.00	5.10	-10.24	-9.26	4.11	-3.76
		983	6046.25	56.73	-1107.68	-1096.21	45.26	-115.00	11.27	-9.11	-8.35	10.52	-3.85
		982	6217.30	-29.16	-1137.60	-1134.28	-32.48	-60.60	10.21	-13.57	-11.86	8.50	-6.14
3	9	1109	5155.19	-25.10	-967.91	-964.53	-28.47	-56.31	3.63	-13.40	-11.56	1.78	-5.29
		1108	4962.15	48.48	-942.85	-932.11	37.74	-102.64	4.23	-9.33	-8.51	3.40	-3.24
		983	5446.23	47.84	-1004.74	-994.63	37.74	-102.64	9.60	-8.36	-7.70	8.94	-3.39
		982	5609.43	-25.31	-1030.22	-1027.05	-28.47	-56.31	8.83	-12.26	-10.75	7.32	-5.44
3	10	1109	5232.41	-26.31	-982.61	-979.29	-29.62	-56.18	3.73	-13.67	-11.71	1.77	-5.50
		1108	5041.19	51.84	-956.00	-944.86	40.70	-105.38	4.35	-9.51	-8.60	3.44	-3.44
		983	5530.19	51.18	-1018.90	-1008.42	40.70	-105.38	9.70	-8.54	-7.81	8.97	-3.58
		982	5691.05	-26.51	-1045.96	-1042.85	-29.62	-56.18	8.91	-12.52	-10.92	7.31	-5.63
3	11	1109	5155.24	-25.08	-967.95	-964.59	-28.45	-56.25	3.62	-13.40	-11.56	1.78	-5.29
		1108	4962.19	48.49	-942.90	-932.17	37.76	-102.58	4.23	-9.33	-8.51	3.41	-3.23
		983	5445.46	47.85	-1004.57	-994.47	37.76	-102.58	9.60	-8.36	-7.70	8.94	-3.38
		982	5608.67	-25.29	-1030.05	-1026.89	-28.45	-56.25	8.83	-12.26	-10.75	7.32	-5.44
4	1	1080	9307.87	-29.93	-1787.47	-1786.13	-31.27	-48.49	6.10	-23.08	-19.80	2.81	-9.23
		1109	9137.82	62.10	-1750.25	-1743.65	55.49	-109.20	7.12	-18.41	-16.52	5.23	-6.68
		982	9667.82	61.90	-1804.97	-1798.56	55.49	-109.20	14.69	-16.69	-15.20	13.20	-6.67
		981	9804.23	-29.97	-1842.34	-1841.04	-31.27	-48.49	13.44	-21.13	-18.47	10.78	-9.21
4	2	1080	9762.11	-32.36	-1869.32	-1867.63	-34.05	-55.64	6.94	-24.70	-20.65	2.88	-10.58

		1109	9577.40	65.10	-1830.39	-1822.80	57.51	-119.71	8.04	-19.68	-17.06	5.42	-8.11
		982	1.020e+04	64.80	-1907.06	-1899.77	57.51	-119.71	15.36	-17.96	-15.89	13.29	-8.03
		981	1.035e+04	-32.43	-1946.22	-1944.60	-34.05	-55.64	14.04	-22.77	-19.48	10.75	-10.50
4	3	1080	9477.83	-29.94	-1816.92	-1815.36	-31.50	-52.89	6.29	-23.65	-20.19	2.83	-9.57
		1109	9296.31	59.41	-1780.98	-1774.18	52.60	-111.74	7.28	-18.89	-16.84	5.24	-7.02
		982	9878.02	59.17	-1848.99	-1842.42	52.60	-111.74	14.81	-17.17	-15.55	13.19	-7.02
		981	1.003e+04	-30.00	-1885.11	-1883.60	-31.50	-52.89	13.60	-21.71	-18.90	10.78	-9.57
4	4	1080	9499.03	-30.72	-1824.55	-1823.13	-32.14	-50.48	6.27	-23.60	-20.15	2.82	-9.55
		1109	9324.18	63.40	-1786.59	-1779.71	56.53	-112.53	7.32	-18.83	-16.79	5.28	-7.01
		982	9865.03	63.20	-1843.88	-1837.21	56.53	-112.53	14.83	-17.11	-15.50	13.22	-6.98
		981	1.001e+04	-30.76	-1882.01	-1880.63	-32.14	-50.48	13.56	-21.67	-18.87	10.77	-9.52
4	5	1080	9322.54	-29.98	-1789.95	-1788.60	-31.34	-48.85	6.12	-23.14	-19.83	2.81	-9.27
		1109	9151.65	61.99	-1752.78	-1746.15	55.36	-109.51	7.15	-18.45	-16.54	5.24	-6.73
		982	9687.39	61.79	-1808.94	-1802.51	55.36	-109.51	14.71	-16.73	-15.23	13.20	-6.71
		981	9824.74	-30.02	-1846.27	-1844.96	-31.34	-48.85	13.45	-21.19	-18.51	10.77	-9.25
4	6	1080	9304.86	-29.88	-1786.96	-1785.64	-31.20	-48.14	6.09	-23.07	-19.79	2.81	-9.22
		1109	9134.98	62.16	-1749.71	-1743.14	55.59	-108.87	7.12	-18.40	-16.52	5.24	-6.67
		982	9661.80	61.97	-1803.60	-1797.22	55.59	-108.87	14.69	-16.68	-15.20	13.20	-6.66
		981	9797.99	-29.92	-1841.00	-1839.72	-31.20	-48.14	13.43	-21.13	-18.47	10.77	-9.20
4	7	1080	9297.09	-29.86	-1786.05	-1784.72	-31.19	-48.34	6.05	-23.02	-19.77	2.80	-9.16
		1109	9127.72	62.00	-1748.88	-1742.31	55.42	-108.95	7.08	-18.36	-16.51	5.22	-6.61
		982	9650.57	61.81	-1801.82	-1795.43	55.42	-108.95	14.65	-16.64	-15.18	13.19	-6.60
		981	9786.25	-29.90	-1839.13	-1837.84	-31.19	-48.34	13.40	-21.07	-18.44	10.78	-9.15
4	8	1080	7303.98	-23.00	-1398.72	-1397.50	-24.22	-40.94	4.93	-18.24	-15.57	2.26	-7.40
		1109	7162.81	45.45	-1371.20	-1365.95	40.20	-86.02	5.77	-14.50	-12.94	4.21	-5.41
		982	7622.56	45.26	-1424.46	-1419.41	40.20	-86.02	11.74	-13.14	-11.91	10.51	-5.38
		981	7737.75	-23.04	-1452.13	-1450.95	-24.22	-40.94	10.72	-16.70	-14.55	8.57	-7.37
4	9	1080	6612.40	-21.29	-1271.18	-1270.22	-22.25	-34.55	4.24	-16.40	-14.06	1.90	-6.54
		1109	6492.25	44.15	-1244.72	-1240.02	39.45	-77.72	4.89	-13.15	-11.79	3.53	-4.77
		982	6859.65	44.01	-1283.60	-1279.03	39.45	-77.72	10.08	-11.97	-10.88	8.98	-4.78
		981	6957.28	-21.32	-1310.17	-1309.24	-22.25	-34.55	9.28	-15.07	-13.15	7.36	-6.56
4	10	1080	6706.80	-21.30	-1287.54	-1286.46	-22.38	-36.99	4.34	-16.71	-14.28	1.91	-6.73
		1109	6580.33	42.66	-1261.79	-1256.98	37.84	-79.13	4.98	-13.41	-11.97	3.53	-4.95
		982	6976.53	42.49	-1308.05	-1303.40	37.84	-79.13	10.15	-12.24	-11.07	8.98	-4.98
		981	7081.26	-21.34	-1333.93	-1332.88	-22.38	-36.99	9.37	-15.39	-13.38	7.36	-6.75
4	11	1080	6610.73	-21.27	-1270.90	-1269.96	-22.21	-34.35	4.24	-16.39	-14.06	1.90	-6.54
		1109	6490.67	44.19	-1244.42	-1239.74	39.50	-77.54	4.89	-13.14	-11.78	3.53	-4.76
		982	6856.30	44.05	-1282.84	-1278.29	39.50	-77.54	10.08	-11.96	-10.87	8.99	-4.78
		981	6953.82	-21.30	-1309.43	-1308.51	-22.21	-34.35	9.27	-15.06	-13.15	7.36	-6.55
5	1	1102	1.059e+04	-16.72	-2055.40	-2055.23	-16.89	-18.53	6.97	-25.69	-21.73	3.02	-10.65
		1080	1.051e+04	42.33	-2028.73	-2027.06	40.66	-58.80	8.26	-22.18	-19.51	5.59	-8.61
		981	1.090e+04	42.30	-2055.43	-2053.78	40.66	-58.80	15.42	-20.18	-18.12	13.37	-8.31
		980	1.096e+04	-16.72	-2082.12	-2081.96	-16.89	-18.53	13.92	-23.47	-20.35	10.80	-10.35
5	2	1102	1.119e+04	-19.58	-2173.36	-2173.11	-19.82	-23.09	7.65	-27.30	-22.79	3.13	-11.72
		1080	1.110e+04	47.85	-2143.21	-2141.04	45.68	-68.93	9.25	-23.46	-20.17	5.96	-9.85
		981	1.158e+04	47.81	-2192.05	-2189.93	45.68	-68.93	16.09	-21.54	-19.02	13.57	-9.40
		980	1.165e+04	-19.58	-2222.25	-2222.01	-19.82	-23.09	14.28	-25.18	-21.64	10.74	-11.28
5	3	1102	1.084e+04	-18.27	-2106.40	-2106.20	-18.47	-20.34	7.12	-26.27	-22.19	3.04	-10.94
		1080	1.076e+04	46.26	-2077.41	-2075.46	44.32	-64.27	8.49	-22.68	-19.86	5.68	-8.93
		981	1.117e+04	46.24	-2108.06	-2106.14	44.32	-64.27	15.58	-20.70	-18.53	13.42	-8.60
		980	1.122e+04	-18.27	-2137.07	-2136.88	-18.47	-20.34	14.01	-24.08	-20.86	10.78	-10.60
5	4	1102	1.083e+04	-17.41	-2103.61	-2103.42	-17.59	-19.53	7.11	-26.21	-22.14	3.04	-10.91
		1080	1.074e+04	43.93	-2075.95	-2074.17	42.16	-61.34	8.46	-22.63	-19.83	5.67	-8.90
		981	1.113e+04	43.91	-2101.78	-2100.02	42.16	-61.34	15.56	-20.65	-18.49	13.41	-8.57
		980	1.119e+04	-17.41	-2129.46	-2129.27	-17.59	-19.53	14.00	-24.02	-20.81	10.78	-10.58
5	5	1102	1.061e+04	-16.86	-2059.66	-2059.48	-17.04	-18.89	6.99	-25.74	-21.77	3.02	-10.68
		1080	1.053e+04	42.53	-2032.85	-2031.15	40.83	-59.38	8.29	-22.22	-19.53	5.60	-8.65
		981	1.093e+04	42.51	-2060.96	-2059.28	40.83	-59.38	15.45	-20.23	-18.16	13.38	-8.34
		980	1.098e+04	-16.87	-2087.79	-2087.62	-17.04	-18.89	13.93	-23.53	-20.40	10.79	-10.37
5	6	1102	1.058e+04	-16.59	-2052.99	-2052.83	-16.75	-18.31	6.96	-25.67	-21.73	3.02	-10.64
		1080	1.050e+04	42.06	-2026.48	-2024.84	40.41	-58.32	8.25	-22.17	-19.50	5.59	-8.60
		981	1.089e+04	42.04	-2053.18	-2051.56	40.41	-58.32	15.42	-20.17	-18.12	13.37	-8.30
		980	1.095e+04	-16.59	-2079.71	-2079.55	-16.75	-18.31	13.92	-23.46	-20.34	10.80	-10.34
5	7	1102	1.058e+04	-16.65	-2053.42	-2053.25	-16.82	-18.49	6.93	-25.62	-21.70	3.01	-10.60
		1080	1.050e+04	42.17	-2026.85	-2025.19	40.51	-58.60	8.21	-22.13	-19.49	5.57	-8.55
		981	1.088e+04	42.15	-2051.17	-2049.53	40.51	-58.60	15.39	-20.13	-18.09	13.36	-8.25
		980	1.093e+04	-16.65	-2077.76	-2077.60	-16.82	-18.49	13.90	-23.40	-20.30	10.80	-10.30
5	8	1102	8359.51	-14.14	-1622.55	-1622.40	-14.30	-15.71	5.58	-20.26	-17.11	2.43	-8.45
		1080	8296.14	35.84	-1600.10	-1598.59	34.33	-49.74	6.71	-17.41	-15.26	4.55	-6.88
		981	8618.09	35.82	-1624.10	-1622.60	34.33	-49.74	12.33	-15.85	-14.21	10.69	-6.60
		980	8661.13	-14.14	-1646.56	-1646.41	-14.30	-15.71	11.03	-18.52	-16.06	8.57	-8.17
5	9	1102	7526.91	-11.91	-1462.13	-1462.01	-12.03	-13.25	4.85	-18.24	-15.44	2.05	-7.54

		1080	7469.95	30.13	-1443.14	-1441.94	28.94	-41.92	5.69	-15.83	-13.91	3.78	-6.13
		981	7735.93	30.12	-1461.83	-1460.65	28.94	-41.92	10.60	-14.45	-12.96	9.10	-5.94
		980	7776.45	-11.92	-1480.84	-1480.72	-12.03	-13.25	9.62	-16.73	-14.48	7.37	-7.36
5	10	1102	7667.14	-12.77	-1490.46	-1490.32	-12.91	-14.25	4.94	-18.57	-15.69	2.07	-7.70
		1080	7610.16	32.32	-1470.18	-1468.84	30.97	-44.96	5.82	-16.10	-14.11	3.83	-6.31
		981	7885.61	32.30	-1491.07	-1489.74	30.97	-44.96	10.69	-14.74	-13.18	9.13	-6.10
		980	7926.00	-12.78	-1511.36	-1511.23	-12.91	-14.25	9.67	-17.07	-14.77	7.37	-7.50
5	11	1102	7521.02	-11.84	-1460.79	-1460.67	-11.96	-13.12	4.85	-18.23	-15.43	2.05	-7.54
		1080	7463.93	29.98	-1441.89	-1440.71	28.80	-41.65	5.69	-15.82	-13.91	3.78	-6.12
		981	7729.91	29.97	-1460.59	-1459.42	28.80	-41.65	10.60	-14.45	-12.95	9.10	-5.94
		980	7770.58	-11.84	-1479.50	-1479.38	-11.96	-13.12	9.62	-16.72	-14.48	7.38	-7.35
6	1	1068	1.103e+04	-3.34	-2154.60	-2154.51	-3.43	14.25	7.78	-26.50	-21.97	3.26	-11.61
		1102	1.106e+04	28.56	-2138.89	-2138.86	28.53	-8.11	9.45	-24.22	-20.82	6.05	-10.14
		980	1.132e+04	28.56	-2141.31	-2141.28	28.53	-8.11	16.14	-21.94	-19.40	13.60	-9.50
		979	1.128e+04	-3.34	-2157.03	-2156.93	-3.43	14.25	14.26	-24.00	-20.55	10.80	-10.96
6	2	1068	1.173e+04	-5.06	-2296.46	-2296.39	-5.13	12.40	8.21	-27.96	-23.16	3.41	-12.27
		1102	1.174e+04	32.44	-2278.11	-2278.03	32.36	-13.83	10.36	-25.41	-21.59	6.54	-11.04
		980	1.211e+04	32.44	-2304.43	-2304.35	32.36	-13.83	16.67	-23.25	-20.45	13.87	-10.19
		979	1.208e+04	-5.06	-2322.77	-2322.71	-5.13	12.40	14.33	-25.61	-22.02	10.73	-11.43
6	3	1068	1.134e+04	-3.91	-2218.35	-2218.27	-3.99	13.54	7.88	-27.05	-22.45	3.29	-11.80
		1102	1.136e+04	29.90	-2201.74	-2201.70	29.85	-10.14	9.65	-24.72	-21.22	6.16	-10.39
		980	1.162e+04	29.90	-2201.05	-2201.01	29.85	-10.14	16.26	-22.46	-19.86	13.66	-9.70
		979	1.157e+04	-3.91	-2217.66	-2217.58	-3.99	13.54	14.28	-24.58	-21.09	10.79	-11.12
6	4	1068	1.129e+04	-3.61	-2209.05	-2208.95	-3.70	14.24	7.87	-26.98	-22.39	3.28	-11.79
		1102	1.132e+04	29.57	-2192.72	-2192.68	29.54	-9.02	9.62	-24.66	-21.18	6.14	-10.36
		980	1.157e+04	29.57	-2190.90	-2190.86	29.54	-9.02	16.25	-22.40	-19.80	13.65	-9.68
		979	1.152e+04	-3.61	-2207.23	-2207.14	-3.70	14.24	14.28	-24.51	-21.02	10.79	-11.11
6	5	1068	1.106e+04	-3.47	-2160.92	-2160.83	-3.56	14.06	7.79	-26.54	-22.01	3.26	-11.62
		1102	1.109e+04	28.82	-2145.03	-2144.99	28.78	-8.57	9.48	-24.25	-20.85	6.07	-10.16
		980	1.136e+04	28.82	-2148.01	-2147.97	28.78	-8.57	16.15	-21.98	-19.44	13.61	-9.51
		979	1.131e+04	-3.47	-2163.90	-2163.81	-3.56	14.06	14.25	-24.06	-20.61	10.80	-10.97
6	6	1068	1.102e+04	-3.25	-2150.81	-2150.71	-3.34	14.43	7.78	-26.48	-21.96	3.26	-11.59
		1102	1.104e+04	28.45	-2135.19	-2135.16	28.42	-7.79	9.44	-24.20	-20.81	6.05	-10.13
		980	1.131e+04	28.45	-2138.06	-2138.03	28.42	-7.79	16.13	-21.92	-19.39	13.60	-9.48
		979	1.127e+04	-3.25	-2153.68	-2153.59	-3.34	14.43	14.25	-23.98	-20.54	10.81	-10.95
6	7	1068	1.102e+04	-3.30	-2152.58	-2152.48	-3.40	14.27	7.76	-26.44	-21.93	3.25	-11.57
		1102	1.104e+04	28.51	-2136.90	-2136.87	28.48	-8.03	9.40	-24.17	-20.80	6.03	-10.09
		980	1.130e+04	28.51	-2136.06	-2136.03	28.48	-8.03	16.11	-21.89	-19.36	13.59	-9.46
		979	1.125e+04	-3.30	-2151.73	-2151.63	-3.40	14.27	14.25	-23.94	-20.49	10.81	-10.94
6	8	1068	8740.44	-3.02	-1709.21	-1709.15	-3.09	10.40	6.16	-20.85	-17.31	2.62	-9.12
		1102	8757.01	23.06	-1696.40	-1696.36	23.02	-7.87	7.60	-18.98	-16.30	4.92	-8.00
		980	8962.78	23.06	-1695.98	-1695.94	23.02	-7.87	12.85	-17.21	-15.23	10.88	-7.44
		979	8930.04	-3.02	-1708.79	-1708.73	-3.09	10.40	11.24	-18.91	-16.24	8.57	-8.56
6	9	1068	7841.92	-2.40	-1533.12	-1533.06	-2.46	10.08	5.43	-18.82	-15.61	2.22	-8.22
		1102	7859.75	20.34	-1521.92	-1521.90	20.32	-5.86	6.54	-17.28	-14.85	4.11	-7.21
		980	8038.41	20.34	-1523.03	-1523.01	20.32	-5.86	11.11	-15.70	-13.86	9.27	-6.78
		979	8007.48	-2.40	-1534.23	-1534.16	-2.46	10.08	9.86	-17.10	-14.63	7.38	-7.79
6	10	1068	8010.77	-2.72	-1568.54	-1568.48	-2.77	9.68	5.48	-19.12	-15.87	2.24	-8.33
		1102	8028.04	21.09	-1556.84	-1556.81	21.06	-6.99	6.65	-17.55	-15.07	4.17	-7.34
		980	8200.38	21.09	-1556.22	-1556.18	21.06	-6.99	11.18	-16.00	-14.12	9.30	-6.89
		979	8170.05	-2.72	-1567.91	-1567.85	-2.77	9.68	9.87	-17.43	-14.93	7.37	-7.87
6	11	1068	7832.71	-2.35	-1531.02	-1530.95	-2.42	10.18	5.43	-18.80	-15.60	2.22	-8.21
		1102	7850.55	20.28	-1519.87	-1519.85	20.26	-5.69	6.53	-17.26	-14.84	4.11	-7.20
		980	8030.18	20.28	-1521.22	-1521.20	20.26	-5.69	11.11	-15.69	-13.86	9.27	-6.77
		979	7999.24	-2.35	-1532.37	-1532.30	-2.42	10.18	9.86	-17.09	-14.62	7.38	-7.78
7	1	1069	1.058e+04	15.89	-2071.29	-2070.15	14.75	48.74	8.58	-25.38	-20.38	3.58	-12.04
		1068	1.071e+04	16.75	-2070.82	-2069.71	15.64	48.12	10.59	-24.43	-20.40	6.57	-11.17
		979	1.087e+04	16.76	-2052.71	-2051.59	15.64	48.12	16.74	-21.85	-18.94	13.83	-10.19
		978	1.072e+04	15.90	-2053.17	-2052.02	14.75	48.74	14.50	-22.57	-18.92	10.84	-11.05
7	2	1069	1.129e+04	15.98	-2221.78	-2220.63	14.83	50.78	8.68	-26.51	-21.58	3.74	-12.22
		1068	1.142e+04	20.08	-2219.58	-2218.56	19.06	47.82	11.29	-25.38	-21.23	7.14	-11.62
		979	1.169e+04	20.08	-2224.40	-2223.38	19.06	47.82	17.06	-22.96	-20.05	14.15	-10.39
		978	1.154e+04	15.98	-2226.60	-2225.45	14.83	50.78	14.24	-23.88	-20.40	10.76	-10.99
7	3	1069	1.089e+04	15.97	-2139.36	-2138.22	14.84	49.53	8.62	-25.85	-20.84	3.61	-12.14
		1068	1.103e+04	17.96	-2138.29	-2137.21	16.89	48.09	10.74	-24.89	-20.82	6.67	-11.33
		979	1.116e+04	17.98	-2113.01	-2111.92	16.89	48.09	16.81	-22.33	-19.41	13.89	-10.30
		978	1.101e+04	15.99	-2114.08	-2112.93	14.84	49.53	14.47	-23.07	-19.43	10.83	-11.11
7	4	1069	1.083e+04	16.18	-2126.23	-2125.08	15.03	49.72	8.62	-25.78	-20.77	3.61	-12.13
		1068	1.097e+04	17.36	-2125.59	-2124.48	16.25	48.86	10.73	-24.83	-20.76	6.66	-11.32
		979	1.111e+04	17.38	-2100.70	-2099.58	16.25	48.86	16.81	-22.27	-19.34	13.88	-10.29
		978	1.095e+04	16.20	-2101.34	-2100.18	15.03	49.72	14.48	-23.00	-19.35	10.83	-11.10
7	5	1069	1.061e+04	15.86	-2078.87	-2077.73	14.73	48.72	8.58	-25.41	-20.42	3.58	-12.03

		1068	1.074e+04	16.92	-2078.29	-2077.19	15.82	47.95	10.61	-24.46	-20.43	6.59	-11.18
		979	1.091e+04	16.93	-2059.86	-2058.76	15.82	47.95	16.74	-21.88	-18.98	13.84	-10.18
		978	1.076e+04	15.87	-2060.44	-2059.29	14.73	48.72	14.48	-22.61	-18.97	10.84	-11.04
7	6	1069	1.055e+04	15.94	-2066.52	-2065.37	14.80	48.81	8.58	-25.36	-20.36	3.58	-12.02
		1068	1.069e+04	16.60	-2066.16	-2065.04	15.48	48.33	10.59	-24.41	-20.38	6.57	-11.16
		979	1.085e+04	16.61	-2048.76	-2047.63	15.48	48.33	16.73	-21.82	-18.92	13.83	-10.17
		978	1.070e+04	15.95	-2049.12	-2047.97	14.80	48.81	14.49	-22.55	-18.90	10.84	-11.04
7	7	1069	1.056e+04	15.89	-2069.42	-2068.28	14.75	48.70	8.57	-25.34	-20.33	3.57	-12.03
		1068	1.070e+04	16.68	-2069.00	-2067.89	15.57	48.13	10.56	-24.40	-20.38	6.54	-11.15
		979	1.084e+04	16.69	-2046.83	-2045.71	15.57	48.13	16.72	-21.81	-18.90	13.81	-10.18
		978	1.069e+04	15.90	-2047.26	-2046.11	14.75	48.70	14.51	-22.52	-18.85	10.85	-11.05
7	8	1069	8398.90	12.30	-1648.51	-1647.64	11.42	38.17	6.73	-19.93	-16.07	2.87	-9.38
		1068	8502.78	13.88	-1647.66	-1646.84	13.05	37.03	8.44	-19.11	-16.00	5.32	-8.73
		979	8615.04	13.89	-1628.23	-1627.40	13.05	37.03	13.27	-17.11	-14.89	11.05	-7.91
		978	8497.99	12.31	-1629.08	-1628.20	11.42	38.17	11.38	-17.74	-14.96	8.60	-8.56
7	9	1069	7518.31	11.29	-1474.25	-1473.44	10.48	34.62	5.99	-18.02	-14.47	2.45	-8.52
		1068	7614.65	11.94	-1473.90	-1473.12	11.15	34.15	7.35	-17.42	-14.55	4.47	-7.94
		979	7717.50	11.94	-1460.11	-1459.32	11.15	34.15	11.54	-15.64	-13.54	9.43	-7.26
		978	7610.68	11.29	-1460.47	-1459.65	10.48	34.62	10.03	-16.08	-13.46	7.41	-7.84
7	10	1069	7694.29	11.33	-1512.07	-1511.26	10.52	35.06	6.01	-18.28	-14.73	2.47	-8.57
		1068	7791.65	12.61	-1511.38	-1510.61	11.85	34.13	7.43	-17.68	-14.78	4.53	-8.02
		979	7879.07	12.62	-1493.61	-1492.84	11.85	34.13	11.58	-15.91	-13.80	9.46	-7.32
		978	7771.31	11.34	-1494.30	-1493.49	10.52	35.06	10.01	-16.36	-13.75	7.40	-7.87
7	11	1069	7506.77	11.31	-1471.60	-1470.79	10.50	34.66	5.99	-18.01	-14.47	2.45	-8.51
		1068	7603.12	11.86	-1471.31	-1470.52	11.06	34.27	7.35	-17.41	-14.54	4.47	-7.93
		979	7707.54	11.86	-1457.92	-1457.12	11.06	34.27	11.53	-15.63	-13.53	9.43	-7.26
		978	7600.71	11.32	-1458.21	-1457.40	10.50	34.66	10.02	-16.07	-13.45	7.41	-7.84
8	1	1070	9127.74	25.15	-1801.13	-1796.63	20.66	90.52	9.07	-22.43	-16.88	3.52	-12.00
		1069	9401.69	6.09	-1812.82	-1806.74	0.01	104.96	11.71	-22.70	-18.08	7.09	-11.74
		978	9445.73	6.24	-1769.81	-1763.59	0.01	104.96	17.24	-19.65	-16.55	14.13	-10.24
		977	9154.22	25.26	-1758.09	-1753.48	20.66	90.52	14.29	-19.07	-15.35	10.56	-10.50
8	2	1070	9786.08	25.24	-1942.48	-1937.88	20.64	95.00	8.80	-23.06	-17.96	3.70	-11.68
		1069	1.006e+04	6.07	-1954.15	-1948.02	-0.06	109.49	12.05	-23.31	-18.90	7.64	-11.68
		978	1.019e+04	6.15	-1930.62	-1924.41	-0.06	109.49	17.28	-20.45	-17.61	14.44	-9.95
		977	9897.63	25.29	-1918.93	-1914.28	20.64	95.00	13.75	-19.92	-16.66	10.50	-9.95
8	3	1070	9419.18	25.37	-1865.40	-1860.83	20.79	92.90	9.03	-22.75	-17.28	3.56	-12.00
		1069	9698.12	6.52	-1876.93	-1870.81	0.41	107.17	11.80	-23.07	-18.47	7.20	-11.80
		978	9704.14	6.70	-1824.31	-1818.02	0.41	107.17	17.26	-20.05	-16.98	14.19	-10.25
		977	9408.01	25.50	-1812.74	-1808.03	20.79	92.90	14.20	-19.43	-15.79	10.55	-10.46
8	4	1070	9356.48	25.51	-1851.18	-1846.60	20.94	92.54	9.04	-22.70	-17.20	3.55	-12.01
		1069	9635.08	6.20	-1863.00	-1856.83	0.04	107.16	11.79	-23.01	-18.40	7.18	-11.80
		978	9644.47	6.38	-1811.27	-1804.94	0.04	107.16	17.26	-19.98	-16.90	14.18	-10.26
		977	9348.63	25.64	-1799.41	-1794.70	20.94	92.54	14.22	-19.37	-15.71	10.55	-10.47
8	5	1070	9162.43	25.09	-1809.09	-1804.60	20.60	90.67	9.05	-22.44	-16.92	3.53	-11.98
		1069	9436.72	6.15	-1820.70	-1814.64	0.09	105.02	11.72	-22.72	-18.11	7.11	-11.72
		978	9476.35	6.30	-1776.51	-1770.31	0.09	105.02	17.23	-19.67	-16.59	14.14	-10.22
		977	9184.53	25.20	-1764.87	-1760.26	20.60	90.67	14.26	-19.09	-15.40	10.56	-10.47
8	6	1070	9105.73	25.21	-1796.02	-1791.52	20.71	90.40	9.06	-22.40	-16.86	3.52	-11.99
		1069	9379.64	5.99	-1807.81	-1801.72	-0.11	104.97	11.71	-22.68	-18.06	7.09	-11.72
		978	9427.03	6.13	-1765.65	-1759.40	-0.11	104.97	17.23	-19.63	-16.53	14.13	-10.23
		977	9135.55	25.31	-1753.82	-1749.21	20.71	90.40	14.28	-19.05	-15.33	10.57	-10.49
8	7	1070	9117.86	25.14	-1799.66	-1795.17	20.66	90.37	9.08	-22.41	-16.83	3.51	-12.02
		1069	9392.04	6.04	-1811.37	-1805.30	-0.03	104.85	11.69	-22.69	-18.05	7.06	-11.74
		978	9417.75	6.21	-1763.88	-1757.65	-0.03	104.85	17.23	-19.63	-16.51	14.12	-10.26
		977	9126.06	25.26	-1752.13	-1747.52	20.66	90.37	14.32	-19.04	-15.29	10.57	-10.53
8	8	1070	7263.76	19.56	-1437.40	-1433.87	16.03	71.61	7.05	-17.55	-13.32	2.83	-9.27
		1069	7477.90	5.04	-1446.28	-1441.56	0.33	82.60	9.25	-17.71	-14.19	5.72	-9.09
		978	7491.40	5.18	-1405.81	-1400.96	0.33	82.60	13.61	-15.34	-13.01	11.29	-7.87
		977	7263.06	19.66	-1396.90	-1393.27	16.03	71.61	11.17	-14.93	-12.15	8.39	-8.06
8	9	1070	6489.78	17.84	-1282.43	-1279.24	14.65	64.35	6.34	-15.91	-11.99	2.41	-8.48
		1069	6685.36	4.34	-1290.71	-1286.40	0.03	74.58	8.14	-16.20	-12.90	4.85	-8.33
		978	6702.66	4.44	-1259.00	-1254.58	0.03	74.58	11.89	-14.08	-11.84	9.65	-7.29
		977	6495.68	17.92	-1250.69	-1247.42	14.65	64.35	9.88	-13.59	-10.93	7.21	-7.45
8	10	1070	6651.71	17.96	-1318.14	-1314.90	14.73	65.67	6.32	-16.10	-12.21	2.43	-8.48
		1069	6850.04	4.58	-1326.32	-1321.99	0.24	75.81	8.19	-16.40	-13.11	4.90	-8.37
		978	6846.26	4.70	-1289.28	-1284.82	0.24	75.81	11.90	-14.30	-12.08	9.68	-7.30
		977	6636.71	18.06	-1281.06	-1277.73	14.73	65.67	9.83	-13.79	-11.17	7.21	-7.42
8	11	1070	6477.55	17.87	-1279.59	-1276.40	14.68	64.28	6.33	-15.90	-11.98	2.41	-8.47
		1069	6673.10	4.28	-1287.93	-1283.61	-0.04	74.58	8.14	-16.18	-12.89	4.84	-8.32
		978	6692.26	4.38	-1256.68	-1252.26	-0.04	74.58	11.89	-14.07	-11.83	9.65	-7.29
		977	6485.30	17.95	-1248.32	-1245.05	14.68	64.28	9.87	-13.58	-10.92	7.21	-7.44
9	1	1071	6560.31	96.12	-1276.73	-1264.46	83.85	129.23	9.43	-17.50	-11.27	3.20	-11.36

		1070	6946.55	24.01	-1334.20	-1307.05	-3.13	190.09	12.72	-19.27	-13.75	7.19	-12.09
		977	7081.74	24.62	-1305.18	-1277.43	-3.13	190.09	17.72	-15.63	-12.29	14.38	-10.02
		976	6679.60	96.39	-1247.38	-1234.84	83.85	129.23	14.00	-13.43	-9.81	10.38	-9.28
9	2	1071	7107.58	104.62	-1393.31	-1381.13	92.44	134.49	8.77	-17.55	-12.12	3.33	-10.66
		1070	7510.97	25.28	-1455.41	-1427.62	-2.50	200.93	12.55	-19.47	-14.53	7.62	-11.56
		977	7692.75	25.65	-1436.50	-1408.34	-2.50	200.93	17.43	-16.02	-13.20	14.60	-9.30
		976	7273.55	104.77	-1374.19	-1361.85	92.44	134.49	13.25	-13.72	-10.78	10.32	-8.40
9	3	1071	6789.39	99.45	-1327.07	-1314.69	87.07	132.31	9.32	-17.64	-11.55	3.23	-11.28
		1070	7184.10	24.55	-1386.40	-1358.81	-3.03	195.36	12.71	-19.51	-14.07	7.28	-12.06
		977	7282.13	25.34	-1348.20	-1319.83	-3.03	195.36	17.68	-15.89	-12.63	14.42	-9.94
		976	6872.21	99.79	-1288.44	-1275.71	87.07	132.31	13.87	-13.61	-10.11	10.37	-9.16
9	4	1071	6735.25	98.68	-1315.11	-1302.73	86.30	131.75	9.35	-17.61	-11.49	3.23	-11.29
		1070	7129.20	24.36	-1374.11	-1346.55	-3.20	194.38	12.72	-19.46	-14.01	7.27	-12.07
		977	7229.03	25.14	-1336.42	-1308.08	-3.20	194.38	17.69	-15.84	-12.57	14.41	-9.96
		976	6819.79	99.03	-1276.99	-1264.25	86.30	131.75	13.90	-13.56	-10.04	10.38	-9.18
9	5	1071	6591.54	96.55	-1283.81	-1271.56	84.30	129.46	9.40	-17.49	-11.30	3.20	-11.32
		1070	6978.43	24.11	-1341.46	-1314.33	-3.03	190.57	12.70	-19.27	-13.78	7.21	-12.06
		977	7107.15	24.74	-1310.78	-1283.01	-3.03	190.57	17.70	-15.64	-12.32	14.38	-9.98
		976	6704.46	96.84	-1252.78	-1240.25	84.30	129.46	13.97	-13.43	-9.85	10.38	-9.24
9	6	1071	6540.95	95.86	-1272.38	-1260.10	83.58	129.03	9.43	-17.48	-11.25	3.20	-11.35
		1070	6927.19	23.94	-1329.74	-1302.60	-3.21	189.76	12.71	-19.25	-13.73	7.19	-12.08
		977	7065.07	24.53	-1301.40	-1273.66	-3.21	189.76	17.71	-15.61	-12.27	14.37	-10.01
		976	6662.88	96.13	-1243.70	-1231.16	83.58	129.03	14.00	-13.41	-9.79	10.38	-9.27
9	7	1071	6553.95	95.93	-1275.96	-1263.68	83.66	129.16	9.47	-17.51	-11.23	3.19	-11.40
		1070	6939.66	24.03	-1333.24	-1306.15	-3.06	189.84	12.72	-19.28	-13.72	7.17	-12.12
		977	7057.27	24.73	-1299.97	-1272.18	-3.06	189.84	17.74	-15.62	-12.25	14.36	-10.06
		976	6655.84	96.24	-1242.30	-1229.72	83.66	129.16	14.05	-13.42	-9.76	10.39	-9.33
9	8	1071	5236.86	76.63	-1022.47	-1012.93	67.09	101.96	7.26	-13.61	-8.91	2.56	-8.72
		1070	5540.44	18.91	-1068.20	-1046.93	-2.36	150.56	9.95	-14.96	-10.80	5.78	-9.29
		977	5626.39	19.51	-1038.90	-1017.03	-2.36	150.56	13.93	-12.14	-9.67	11.47	-7.63
		976	5310.00	76.90	-992.84	-983.03	67.09	101.96	10.91	-10.44	-7.78	8.25	-7.06
9	9	1071	4664.87	68.42	-909.60	-900.90	59.72	91.87	6.60	-12.40	-8.00	2.19	-8.02
		1070	4940.05	17.09	-950.48	-931.21	-2.18	135.18	8.86	-13.75	-9.82	4.92	-8.57
		977	5020.48	17.54	-928.68	-908.96	-2.18	135.18	12.23	-11.23	-8.81	9.82	-7.13
		976	4735.25	68.63	-887.56	-878.65	59.72	91.87	9.68	-9.58	-6.99	7.09	-6.57
9	10	1071	4792.18	70.27	-937.57	-928.81	61.51	93.58	6.54	-12.48	-8.16	2.21	-7.97
		1070	5072.04	17.39	-979.48	-959.96	-2.13	138.11	8.85	-13.88	-10.00	4.97	-8.56
		977	5131.87	17.94	-952.58	-932.51	-2.13	138.11	12.21	-11.37	-9.00	9.85	-7.09
		976	4842.29	70.52	-910.37	-901.36	61.51	93.58	9.61	-9.68	-7.16	7.09	-6.50
9	11	1071	4654.11	68.28	-907.19	-898.48	59.57	91.76	6.59	-12.39	-7.99	2.19	-8.01
		1070	4929.30	17.04	-948.00	-928.73	-2.23	135.00	8.85	-13.74	-9.81	4.92	-8.57
		977	5011.22	17.49	-926.58	-906.86	-2.23	135.00	12.23	-11.21	-8.80	9.82	-7.12
		976	4725.95	68.48	-885.51	-876.60	59.57	91.76	9.68	-9.57	-6.98	7.09	-6.57
10	1	965	7131.70	18.01	-1315.71	-1290.72	-6.98	180.84	17.72	-15.61	-12.31	14.42	-9.96
		966	6712.00	76.82	-1268.94	-1256.01	63.90	131.24	13.91	-13.47	-9.87	10.32	-9.24
		1091	6675.76	76.37	-1317.29	-1304.82	63.90	131.24	9.37	-17.56	-11.33	3.14	-11.36
		1092	7077.87	17.13	-1363.63	-1339.53	-6.98	180.84	12.74	-19.26	-13.77	7.25	-12.07
10	2	965	8144.89	17.63	-1532.28	-1504.81	-9.84	204.51	17.51	-16.89	-14.08	14.70	-9.42
		966	7687.11	88.94	-1476.57	-1463.06	75.42	144.85	13.15	-14.33	-11.45	10.27	-8.41
		1091	7725.72	88.37	-1544.49	-1531.54	75.42	144.85	8.74	-18.18	-12.80	3.36	-10.77
		1092	8168.47	16.47	-1599.59	-1573.29	-9.84	204.51	12.72	-20.36	-15.42	7.78	-11.79
10	3	965	7243.14	18.08	-1339.27	-1313.73	-7.46	184.40	17.74	-15.83	-12.54	14.45	-9.99
		966	6817.18	78.26	-1291.37	-1278.21	65.10	133.63	13.88	-13.62	-10.05	10.31	-9.24
		1091	6824.67	77.71	-1350.53	-1337.92	65.10	133.63	9.37	-17.71	-11.50	3.17	-11.38
		1092	7233.58	17.00	-1397.90	-1373.44	-7.46	184.40	12.79	-19.48	-13.99	7.30	-12.13
10	4	965	7255.82	18.72	-1341.87	-1316.12	-7.03	185.39	17.71	-15.83	-12.57	14.45	-9.93
		966	6829.89	79.39	-1293.53	-1280.28	66.15	134.19	13.84	-13.61	-10.08	10.31	-9.18
		1091	6820.36	78.87	-1348.54	-1335.81	66.15	134.19	9.33	-17.68	-11.53	3.18	-11.33
		1092	7229.30	17.71	-1396.39	-1371.65	-7.03	185.39	12.76	-19.47	-14.02	7.31	-12.08
10	5	965	7184.94	18.49	-1327.40	-1302.03	-6.88	183.03	17.69	-15.65	-12.40	14.44	-9.89
		966	6763.72	78.29	-1279.79	-1266.73	65.22	132.58	13.84	-13.49	-9.96	10.31	-9.16
		1091	6732.39	77.82	-1329.58	-1316.98	65.22	132.58	9.31	-17.57	-11.41	3.16	-11.29
		1092	7136.21	17.58	-1376.74	-1352.28	-6.88	183.03	12.72	-19.29	-13.85	7.28	-12.02
10	6	965	7122.84	18.35	-1313.73	-1288.47	-6.90	181.66	17.71	-15.60	-12.31	14.42	-9.93
		966	6703.09	77.47	-1266.58	-1253.54	64.43	131.75	13.89	-13.45	-9.88	10.31	-9.22
		1091	6652.96	77.05	-1311.56	-1298.95	64.43	131.75	9.35	-17.54	-11.33	3.14	-11.33
		1092	7055.07	17.52	-1358.30	-1333.88	-6.90	181.66	12.73	-19.25	-13.77	7.25	-12.05
10	7	965	7078.41	18.50	-1304.27	-1278.97	-6.80	181.18	17.74	-15.60	-12.24	14.39	-10.03
		966	6659.85	77.22	-1257.33	-1244.24	64.13	131.55	13.99	-13.45	-9.79	10.32	-9.33
		1091	6631.74	76.75	-1307.57	-1294.96	64.13	131.55	9.44	-17.57	-11.26	3.13	-11.43
		1092	7032.78	17.57	-1354.05	-1329.69	-6.80	181.18	12.75	-19.27	-13.72	7.20	-12.12
10	8	965	5592.00	13.85	-1031.06	-1011.40	-5.80	141.96	13.98	-12.08	-9.59	11.48	-7.67

		966	5263.22	60.18	-994.20	-984.06	50.04	102.88	10.92	-10.45	-7.73	8.20	-7.12
		1091	5260.15	59.75	-1039.72	-1030.01	50.04	102.88	7.30	-13.66	-8.87	2.51	-8.80
		1092	5574.63	13.02	-1076.18	-1057.35	-5.80	141.96	10.01	-14.95	-10.73	5.80	-9.35
10	9	965	5050.86	12.89	-935.04	-917.24	-4.92	128.68	12.24	-11.21	-8.82	9.85	-7.09
		966	4753.35	54.75	-901.73	-892.53	45.55	93.36	9.62	-9.61	-7.03	7.04	-6.56
		1091	4741.35	54.42	-937.14	-928.27	45.55	93.36	6.56	-12.45	-8.04	2.15	-8.02
		1092	5027.66	12.24	-970.14	-952.98	-4.92	128.68	8.87	-13.75	-9.83	4.96	-8.56
10	10	965	5112.81	12.92	-948.13	-930.03	-5.18	130.65	12.25	-11.33	-8.95	9.86	-7.11
		966	4811.81	55.55	-914.20	-904.86	46.21	94.69	9.61	-9.69	-7.12	7.04	-6.55
		1091	4824.11	55.16	-955.61	-946.66	46.21	94.69	6.56	-12.53	-8.13	2.17	-8.04
		1092	5114.19	12.17	-989.17	-971.82	-5.18	130.65	8.90	-13.87	-9.95	4.99	-8.59
10	11	965	5045.93	13.08	-933.94	-915.99	-4.87	129.13	12.23	-11.20	-8.82	9.85	-7.08
		966	4748.40	55.11	-900.43	-891.16	45.85	93.64	9.61	-9.60	-7.03	7.04	-6.54
		1091	4728.69	54.80	-933.96	-925.01	45.85	93.64	6.55	-12.44	-8.04	2.15	-8.01
		1092	5014.99	12.46	-967.17	-949.84	-4.87	129.13	8.87	-13.74	-9.83	4.96	-8.55
11	1	243	5050.83	535.89	-135.25	334.51	66.14	-307.57	24.86	-8.62	3.29	12.95	-16.02
		329	5075.03	91.95	-440.14	88.25	-436.44	44.23	49.90	23.18	39.17	33.92	-13.10
		4	8544.27	-409.87	-510.06	-483.49	-436.43	44.23	84.25	24.54	24.54	84.25	0.10
		903	8001.79	257.39	-428.49	-237.23	66.14	-307.57	63.39	-11.44	-11.34	63.29	-2.83
11	2	243	5005.55	521.21	-132.59	325.03	63.59	-299.63	24.94	-8.68	3.35	12.91	-16.12
		329	5028.60	88.87	-429.21	85.30	-425.65	42.84	49.78	22.82	39.04	33.56	-13.20
		4	8460.92	-399.48	-495.79	-469.63	-425.64	42.84	83.66	24.48	24.49	83.66	-0.26
		903	7941.74	250.48	-416.79	-229.90	63.59	-299.63	63.15	-11.34	-11.20	63.01	-3.18
11	3	243	4983.53	518.20	-131.14	323.55	63.51	-297.50	24.92	-8.61	3.38	12.93	-16.07
		329	5023.50	89.01	-425.96	85.45	-422.41	42.64	49.80	22.91	39.06	33.65	-13.17
		4	8463.59	-396.80	-493.43	-467.82	-422.40	42.64	83.83	24.50	24.50	83.83	-0.15
		903	7936.71	248.56	-414.77	-229.72	63.51	-297.50	63.24	-11.31	-11.18	63.11	-3.05
11	4	243	5019.52	530.00	-128.43	331.58	69.98	-302.11	24.93	-8.56	3.37	12.99	-16.04
		329	5033.32	92.56	-429.67	88.67	-425.78	44.91	49.78	22.88	39.07	33.59	-13.17
		4	8464.80	-400.21	-504.68	-479.11	-425.78	44.91	83.73	24.46	24.46	83.73	-0.25
		903	7996.35	255.58	-421.80	-236.20	69.98	-302.12	63.26	-11.37	-11.24	63.13	-3.12
11	5	243	5263.76	550.79	-144.27	338.68	67.83	-320.06	25.34	-9.73	3.06	12.55	-16.88
		329	5041.15	86.49	-458.59	82.63	-454.73	45.73	49.31	21.07	38.58	31.79	-13.71
		4	8316.92	-421.56	-517.78	-484.62	-454.72	45.73	80.64	24.08	24.16	80.55	-2.23
		903	7999.02	272.34	-433.07	-228.56	67.83	-320.06	61.71	-11.76	-11.36	61.31	-5.40
11	6	243	5014.47	528.12	-133.71	327.48	66.92	-304.19	24.82	-8.53	3.32	12.97	-15.96
		329	5073.85	87.39	-434.53	83.62	-430.76	44.18	49.96	23.39	39.21	34.14	-13.04
		4	8557.46	-402.30	-499.36	-470.91	-430.76	44.18	84.62	24.60	24.60	84.61	0.35
		903	7968.28	257.78	-417.90	-227.05	66.92	-304.19	63.54	-11.38	-11.30	63.45	-2.56
11	7	243	4968.92	518.25	-129.95	324.04	64.27	-296.94	24.88	-8.50	3.40	12.98	-15.99
		329	5027.51	89.80	-424.69	86.21	-421.10	42.82	49.85	23.08	39.11	33.83	-13.12
		4	8483.78	-395.94	-493.98	-468.82	-421.10	42.82	84.14	24.53	24.53	84.14	0.04
		903	7945.22	248.25	-414.97	-230.99	64.26	-296.94	63.39	-11.29	-11.18	63.29	-2.83
11	8	243	3911.03	402.12	-101.29	251.46	49.37	-230.54	19.80	-6.73	2.76	10.31	-12.72
		329	3972.09	69.68	-330.00	66.92	-327.24	33.09	39.60	18.26	31.05	26.81	-10.46
		4	6709.81	-307.75	-383.42	-363.93	-327.24	33.09	66.77	19.49	19.49	66.77	-0.05
		903	6281.05	192.34	-322.37	-179.40	49.37	-230.54	50.36	-8.89	-8.80	50.27	-2.31
11	9	243	3494.07	374.22	-94.91	233.23	46.08	-215.09	16.99	-5.99	2.18	8.81	-11.00
		329	3482.97	63.63	-307.90	61.05	-305.31	30.88	34.06	15.76	26.74	23.08	-8.96
		4	5846.29	-286.39	-355.69	-336.77	-305.31	30.88	57.38	16.74	16.74	57.38	-0.03
		903	5488.08	180.25	-298.76	-164.59	46.08	-215.10	43.19	-7.90	-7.81	43.11	-2.06
11	10	243	3456.64	364.39	-92.63	227.14	44.62	-209.50	17.02	-5.99	2.23	8.80	-11.03
		329	3454.13	62.00	-300.02	59.49	-297.52	30.00	34.01	15.61	26.68	22.94	-9.01
		4	5801.48	-279.13	-346.46	-328.07	-297.52	30.00	57.14	16.72	16.72	57.14	-0.17
		903	5451.82	175.34	-291.14	-160.42	44.62	-209.50	43.10	-7.82	-7.73	43.01	-2.19
11	11	243	3473.82	369.90	-94.06	229.32	46.51	-213.22	16.97	-5.94	2.20	8.82	-10.96
		329	3482.24	61.10	-304.78	58.48	-302.16	30.85	34.09	15.87	26.76	23.21	-8.94
		4	5853.42	-282.17	-349.77	-329.78	-302.16	30.85	57.58	16.77	16.77	57.58	0.11
		903	5469.07	180.46	-292.88	-158.93	46.51	-213.22	43.27	-7.86	-7.79	43.20	-1.92
12	1	240	4755.97	163.93	-359.39	-156.64	-38.83	-254.95	24.05	-14.71	-10.82	20.16	-11.65
		243	5407.87	428.69	-358.74	-69.35	139.31	-379.64	41.79	13.74	15.21	40.31	-6.27
		903	8366.12	271.75	-948.92	-816.48	139.31	-379.64	63.32	6.56	7.10	62.78	5.50
		902	8334.31	30.73	-973.32	-903.77	-38.83	-254.95	42.63	-18.94	-18.94	42.63	0.12
12	2	240	4743.47	162.89	-351.53	-150.83	-37.81	-250.93	24.17	-14.70	-10.64	20.10	-11.89
		243	5360.19	417.80	-350.83	-66.78	133.74	-371.01	41.63	13.55	15.16	40.03	-6.52
		903	8282.79	263.20	-929.45	-799.99	133.74	-371.01	63.11	6.74	7.20	62.65	5.07
		902	8254.83	31.00	-952.85	-884.04	-37.81	-250.93	42.73	-18.59	-18.59	42.73	-0.30
12	3	240	4708.76	160.64	-347.94	-149.90	-37.40	-247.99	24.13	-14.55	-10.54	20.13	-11.78
		243	5337.64	415.00	-347.26	-66.02	133.77	-367.81	41.67	13.69	15.26	40.10	-6.43
		903	8256.24	261.94	-921.68	-793.51	133.77	-367.81	63.21	6.79	7.28	62.72	5.22
		902	8218.19	30.35	-945.13	-877.38	-37.40	-247.99	42.75	-18.53	-18.53	42.75	-0.13
12	4	240	4665.34	139.01	-347.79	-167.83	-40.95	-234.98	24.13	-14.47	-10.45	20.10	-11.80

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		243	5381.46	418.94	-347.46	-75.67	147.15	-366.65	41.74	13.80	15.38	40.16	-6.45
		903	8237.86	275.86	-897.25	-768.53	147.15	-366.65	63.35	6.90	7.40	62.85	5.29
		902	8121.74	21.63	-923.28	-860.70	-40.95	-234.98	42.79	-18.43	-18.43	42.79	-0.07
12	5	240	5129.04	168.17	-383.38	-171.33	-43.89	-268.31	24.80	-16.69	-11.53	19.64	-13.70
		243	5642.33	442.48	-382.76	-80.91	140.63	-397.47	41.09	11.30	13.68	38.71	-8.07
		903	8512.46	282.01	-976.86	-835.48	140.63	-397.47	61.76	6.28	6.40	61.63	2.63
		902	8528.13	31.32	-1001.11	-925.90	-43.89	-268.31	42.70	-18.95	-18.80	42.56	-3.00
12	6	240	4698.13	153.93	-354.95	-160.95	-40.08	-247.16	23.97	-14.56	-10.76	20.16	-11.50
		243	5375.89	423.09	-354.43	-72.26	140.92	-373.86	41.82	13.88	15.29	40.42	-6.11
		903	8291.49	272.00	-925.35	-794.27	140.92	-373.86	63.41	6.59	7.18	62.82	5.75
		902	8225.63	27.05	-950.08	-882.95	-40.08	-247.16	42.56	-18.87	-18.87	42.56	0.36
12	7	240	4670.42	156.81	-346.14	-151.79	-37.53	-244.90	24.07	-14.36	-10.45	20.17	-11.61
		243	5323.82	413.84	-345.52	-67.07	135.38	-365.94	41.74	13.92	15.42	40.24	-6.28
		903	8236.41	262.97	-914.15	-786.56	135.38	-365.94	63.38	6.83	7.37	62.84	5.48
		902	8181.10	29.08	-937.90	-871.29	-37.53	-244.90	42.76	-18.50	-18.50	42.76	0.15
12	8	240	3685.96	124.07	-269.24	-116.24	-28.94	-191.75	19.17	-11.30	-8.16	16.03	-9.26
		243	4191.55	321.59	-268.72	-51.11	103.98	-284.79	33.14	11.09	12.31	31.92	-5.04
		903	6491.36	203.17	-713.70	-614.51	103.98	-284.79	50.36	5.55	5.96	49.95	4.26
		902	6447.05	23.37	-731.94	-679.64	-28.94	-191.75	34.06	-14.51	-14.51	34.06	0.05
12	9	240	3300.90	115.17	-251.71	-109.35	-27.19	-178.78	16.45	-10.30	-7.58	13.74	-8.08
		243	3739.26	299.83	-251.24	-48.47	97.06	-265.75	28.51	9.18	10.22	27.47	-4.37
		903	5776.81	189.81	-664.38	-571.63	97.06	-265.75	43.12	4.35	4.69	42.78	3.62
		902	5767.50	21.67	-681.37	-632.51	-27.19	-178.78	29.05	-13.11	-13.11	29.05	-0.09
12	10	240	3274.63	113.34	-245.35	-105.61	-26.40	-174.92	16.50	-10.21	-7.43	13.72	-8.15
		243	3700.10	292.22	-244.87	-46.62	93.98	-259.18	28.44	9.15	10.24	27.35	-4.46
		903	5715.34	184.36	-649.25	-558.87	93.98	-259.18	43.06	4.48	4.79	42.75	3.46
		902	5702.78	21.46	-665.71	-617.85	-26.40	-174.92	29.12	-12.88	-12.88	29.12	-0.23
12	11	240	3268.59	109.61	-249.24	-111.75	-27.89	-174.45	16.40	-10.21	-7.55	13.74	-7.99
		243	3721.13	296.71	-248.84	-50.09	97.95	-262.54	28.53	9.26	10.26	27.53	-4.28
		903	5734.58	189.95	-651.28	-559.29	97.95	-262.54	43.17	4.37	4.73	42.80	3.76
		902	5706.64	19.62	-668.46	-620.95	-27.89	-174.45	29.01	-13.07	-13.07	29.01	0.04
13	1	237	6459.42	17.70	-859.99	-820.39	-21.90	-182.18	17.89	-20.18	-18.59	16.29	-7.63
		240	5849.64	190.71	-835.34	-755.39	110.76	-275.03	28.31	-1.22	-1.15	28.24	-1.42
		902	9499.50	164.75	-1290.29	-1236.30	110.76	-275.03	54.68	-2.55	-2.37	54.51	3.16
		901	9901.79	3.54	-1326.73	-1301.30	-21.90	-182.18	42.71	-19.96	-19.81	42.56	-3.04
13	2	237	6378.01	17.87	-840.89	-801.32	-21.70	-180.05	18.06	-19.97	-18.24	16.32	-7.94
		240	5769.75	188.12	-816.97	-737.46	108.61	-271.27	28.34	-0.91	-0.80	28.23	-1.77
		902	9409.25	162.06	-1268.23	-1214.78	108.61	-271.27	54.77	-2.20	-2.06	54.63	2.80
		901	9810.02	3.58	-1303.92	-1278.63	-21.70	-180.05	42.91	-19.68	-19.50	42.73	-3.36
13	3	237	6323.65	17.27	-832.81	-794.15	-21.39	-177.12	18.01	-19.78	-18.10	16.33	-7.79
		240	5721.42	186.05	-808.92	-730.79	107.92	-267.64	28.33	-0.78	-0.69	28.24	-1.64
		902	9349.14	160.48	-1254.92	-1202.36	107.92	-267.64	54.80	-2.09	-1.94	54.64	2.96
		901	9741.70	3.33	-1290.45	-1265.73	-21.39	-177.12	42.89	-19.51	-19.35	42.73	-3.20
13	4	237	6254.02	15.18	-818.12	-781.48	-21.46	-170.85	18.00	-19.71	-18.02	16.32	-7.79
		240	5627.69	170.73	-795.40	-722.86	98.19	-254.60	28.34	-0.74	-0.65	28.25	-1.62
		902	9216.24	147.04	-1228.64	-1179.79	98.19	-254.60	54.76	-2.02	-1.86	54.60	2.98
		901	9619.39	2.07	-1261.95	-1238.42	-21.46	-170.85	42.83	-19.40	-19.23	42.67	-3.19
13	5	237	6886.95	21.66	-900.83	-853.77	-25.40	-202.97	19.03	-22.18	-19.40	16.25	-10.33
		240	6204.72	195.94	-877.65	-788.84	107.13	-295.74	28.42	-2.38	-1.83	27.88	-4.06
		902	9895.96	166.40	-1368.40	-1309.13	107.13	-295.74	54.45	-3.06	-3.06	54.45	0.17
		901	1.038e+04	4.48	-1403.95	-1374.07	-25.40	-202.97	43.40	-21.21	-20.63	42.82	-6.10
13	6	237	6369.85	17.65	-841.01	-801.62	-21.74	-179.64	17.79	-20.08	-18.55	16.26	-7.46
		240	5748.84	182.46	-817.65	-739.74	104.55	-268.05	28.22	-1.25	-1.20	28.17	-1.23
		902	9390.78	156.85	-1269.35	-1217.05	104.55	-268.05	54.59	-2.54	-2.35	54.39	3.31
		901	9797.62	3.43	-1304.10	-1278.94	-21.74	-179.64	42.62	-19.84	-19.71	42.48	-2.91
13	7	237	6278.71	16.77	-827.70	-789.87	-21.07	-174.71	17.92	-19.59	-18.00	16.33	-7.56
		240	5678.62	183.11	-803.91	-727.34	106.54	-264.03	28.34	-0.68	-0.61	28.27	-1.41
		902	9288.89	158.21	-1242.59	-1190.92	106.54	-264.03	54.82	-2.03	-1.85	54.64	3.22
		901	9675.43	3.21	-1277.73	-1253.45	-21.07	-174.71	42.84	-19.38	-19.24	42.70	-2.93
13	8	237	4921.98	13.23	-644.84	-615.10	-16.52	-136.71	14.29	-15.34	-14.05	13.00	-6.05
		240	4450.63	143.83	-626.28	-566.04	83.59	-206.79	22.55	-0.31	-0.25	22.49	-1.18
		902	7310.27	124.16	-970.37	-929.79	83.59	-206.79	43.65	-1.38	-1.24	43.51	2.51
		901	7610.93	2.53	-997.89	-978.85	-16.52	-136.71	34.14	-15.16	-15.05	34.03	-2.36
13	9	237	4503.44	12.54	-601.89	-573.97	-15.39	-127.97	12.25	-14.12	-12.98	11.11	-5.37
		240	4080.90	133.81	-584.70	-528.43	77.55	-193.03	19.31	-1.10	-1.04	19.25	-1.11
		902	6596.29	115.47	-904.95	-867.03	77.55	-193.03	37.26	-1.98	-1.88	37.16	1.98
		901	6880.84	2.51	-930.46	-912.56	-15.39	-127.97	29.14	-13.94	-13.81	29.02	-2.28
13	10	237	4427.99	12.29	-586.80	-559.39	-15.11	-125.16	12.32	-13.90	-12.71	11.13	-5.47
		240	4009.44	131.22	-570.01	-514.77	75.97	-188.92	19.33	-0.86	-0.79	19.25	-1.23
		902	6512.26	113.10	-885.30	-848.17	75.97	-188.92	37.33	-1.73	-1.64	37.24	1.87
		901	6791.62	2.39	-910.30	-892.80	-15.11	-125.16	29.24	-13.68	-13.55	29.11	-2.36
13	11	237	4453.61	12.51	-591.35	-563.54	-15.30	-126.57	12.20	-14.07	-12.96	11.09	-5.28

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		240	4024.62	129.23	-574.87	-519.74	74.10	-189.14	19.26	-1.12	-1.07	19.21	-1.01
		902	6535.50	111.08	-893.32	-856.33	74.10	-189.14	37.21	-1.97	-1.86	37.10	2.07
		901	6822.78	2.45	-917.89	-900.14	-15.30	-126.57	29.09	-13.87	-13.75	28.98	-2.20
14	1	234	8454.90	-2.66	-1293.18	-1284.75	-11.10	-103.97	16.84	-25.34	-23.39	14.88	-8.87
		237	7814.60	129.64	-1253.30	-1228.13	104.46	-184.87	24.36	-10.25	-10.06	24.16	-2.59
		901	1.096e+04	124.76	-1579.53	-1559.23	104.46	-184.87	53.14	-8.15	-8.15	53.14	-0.06
		900	1.135e+04	-4.39	-1622.56	-1615.86	-11.10	-103.97	44.47	-22.09	-21.48	43.86	-6.33
14	2	234	8330.01	-2.55	-1267.33	-1258.83	-11.06	-103.37	17.05	-25.02	-22.94	14.98	-9.10
		237	7682.23	128.00	-1228.21	-1203.03	102.81	-183.08	24.55	-9.71	-9.46	24.31	-2.88
		901	1.086e+04	123.02	-1556.30	-1536.09	102.81	-183.08	53.36	-7.71	-7.71	53.36	-0.28
		900	1.125e+04	-4.33	-1598.62	-1591.89	-11.06	-103.37	44.67	-21.83	-21.19	44.03	-6.50
14	3	234	8248.29	-2.64	-1252.70	-1244.47	-10.87	-101.10	16.98	-24.79	-22.77	14.96	-8.96
		237	7605.29	126.17	-1213.95	-1189.37	101.59	-179.83	24.51	-9.56	-9.34	24.29	-2.74
		901	1.077e+04	121.30	-1538.85	-1519.14	101.59	-179.83	53.34	-7.55	-7.55	53.34	-0.14
		900	1.115e+04	-4.36	-1580.76	-1574.25	-10.87	-101.10	44.64	-21.60	-20.98	44.02	-6.36
14	4	234	8097.99	-1.42	-1213.93	-1205.14	-10.21	-102.87	16.98	-24.73	-22.71	14.96	-8.96
		237	7441.15	118.98	-1178.19	-1153.79	94.58	-176.22	24.46	-9.53	-9.31	24.24	-2.73
		901	1.068e+04	113.80	-1521.26	-1502.04	94.58	-176.22	53.29	-7.50	-7.50	53.29	-0.17
		900	1.107e+04	-3.38	-1560.22	-1553.39	-10.21	-102.87	44.63	-21.53	-20.91	44.01	-6.40
14	5	234	8983.66	-0.35	-1361.95	-1349.89	-12.41	-127.58	18.30	-27.52	-24.43	15.21	-11.50
		237	8262.69	139.93	-1322.14	-1290.66	108.45	-212.19	25.32	-11.07	-10.28	24.52	-5.31
		901	1.167e+04	133.07	-1720.97	-1696.36	108.45	-212.19	53.78	-9.16	-9.04	53.66	-2.77
		900	1.216e+04	-3.13	-1764.88	-1755.59	-12.41	-127.58	45.51	-24.35	-23.18	44.34	-8.96
14	6	234	8329.03	-1.95	-1262.34	-1253.45	-10.84	-105.48	16.76	-25.27	-23.36	14.86	-8.74
		237	7686.35	126.66	-1224.08	-1198.57	101.15	-183.88	24.25	-10.28	-10.10	24.07	-2.46
		901	1.088e+04	121.46	-1563.42	-1543.11	101.15	-183.88	53.05	-8.13	-8.13	53.05	0.02
		900	1.127e+04	-3.86	-1604.96	-1597.98	-10.84	-105.48	44.44	-21.99	-21.39	43.84	-6.27
14	7	234	8185.14	-2.57	-1242.35	-1234.29	-10.63	-99.62	16.87	-24.58	-22.65	14.94	-8.73
		237	7547.12	124.42	-1204.02	-1179.92	100.32	-177.29	24.44	-9.48	-9.29	24.25	-2.50
		901	1.069e+04	119.70	-1522.27	-1502.90	100.32	-177.29	53.29	-7.45	-7.45	53.29	0.09
		900	1.107e+04	-4.24	-1563.66	-1557.27	-10.63	-99.62	44.56	-21.39	-20.81	43.98	-6.13
14	8	234	6408.26	-2.06	-969.32	-963.01	-8.38	-77.90	13.46	-19.23	-17.69	11.91	-6.94
		237	5901.40	97.41	-939.34	-920.43	78.51	-138.72	19.49	-7.18	-7.03	19.34	-2.02
		901	8400.19	93.69	-1189.16	-1173.97	78.51	-138.72	42.47	-5.61	-5.61	42.47	0.08
		900	8696.67	-3.38	-1221.55	-1216.55	-8.38	-77.90	35.50	-16.72	-16.27	35.04	-4.84
14	9	234	5902.67	-1.85	-905.64	-899.68	-7.81	-73.18	11.55	-17.72	-16.33	10.16	-6.24
		237	5461.21	91.06	-877.69	-859.93	73.30	-129.96	16.64	-7.36	-7.20	16.48	-1.95
		901	7630.99	87.59	-1108.90	-1094.62	73.30	-129.96	36.25	-5.90	-5.90	36.25	-0.23
		900	7900.75	-3.08	-1139.10	-1134.36	-7.81	-73.18	30.38	-15.48	-15.03	29.92	-4.53
14	10	234	5787.85	-1.83	-883.15	-877.30	-7.69	-71.58	11.64	-17.42	-15.98	10.20	-6.30
		237	5344.76	89.13	-855.83	-838.40	71.70	-127.16	16.73	-6.97	-6.80	16.55	-2.03
		901	7524.87	85.66	-1086.31	-1072.35	71.70	-127.16	36.36	-5.57	-5.57	36.36	-0.28
		900	7794.34	-3.06	-1115.87	-1111.25	-7.69	-71.58	30.47	-15.21	-14.75	30.01	-4.55
14	11	234	5832.73	-1.45	-888.51	-882.29	-7.67	-74.02	11.51	-17.68	-16.31	10.14	-6.18
		237	5389.89	89.41	-861.46	-843.51	71.46	-129.41	16.58	-7.37	-7.22	16.43	-1.87
		901	7586.73	85.75	-1099.96	-1085.66	71.46	-129.41	36.20	-5.89	-5.89	36.20	-0.19
		900	7858.33	-2.79	-1129.32	-1124.43	-7.67	-74.02	30.36	-15.43	-14.98	29.91	-4.50
15	1	231	9736.55	2.47	-1560.30	-1559.77	1.95	-28.60	17.73	-28.87	-25.80	14.66	-11.55
		234	9146.19	93.27	-1522.37	-1517.44	88.35	-89.08	24.03	-15.10	-14.30	23.22	-5.57
		900	1.193e+04	92.62	-1767.12	-1762.85	88.35	-89.08	53.57	-11.49	-11.32	53.40	-3.28
		899	1.228e+04	2.40	-1805.63	-1805.18	1.95	-28.60	46.09	-24.08	-22.83	44.84	-9.27
15	2	231	9591.01	2.33	-1531.60	-1531.05	1.78	-29.09	17.92	-28.45	-25.32	14.78	-11.64
		234	8987.79	92.32	-1494.14	-1489.14	87.32	-88.96	24.30	-14.44	-13.57	23.44	-5.72
		900	1.182e+04	91.64	-1744.28	-1739.95	87.32	-88.96	53.83	-11.00	-10.83	53.66	-3.33
		899	1.218e+04	2.26	-1782.34	-1781.87	1.78	-29.09	46.25	-23.82	-22.57	45.01	-9.26
15	3	231	9484.88	2.33	-1510.90	-1510.38	1.82	-27.87	17.85	-28.20	-25.12	14.76	-11.52
		234	8885.44	90.76	-1473.99	-1469.17	85.94	-86.75	24.23	-14.25	-13.42	23.40	-5.59
		900	1.172e+04	90.09	-1724.58	-1720.42	85.94	-86.75	53.79	-10.80	-10.64	53.63	-3.21
		899	1.208e+04	2.26	-1762.08	-1761.64	1.82	-27.87	46.21	-23.55	-22.33	44.99	-9.14
15	4	231	9333.90	2.30	-1471.81	-1471.14	1.64	-31.26	17.87	-28.16	-25.06	14.77	-11.53
		234	8732.16	90.78	-1435.39	-1430.07	85.46	-89.93	24.23	-14.18	-13.34	23.39	-5.60
		900	1.166e+04	89.96	-1710.01	-1705.50	85.46	-89.93	53.81	-10.74	-10.58	53.65	-3.24
		899	1.202e+04	2.20	-1747.13	-1746.57	1.64	-31.26	46.25	-23.52	-22.29	45.02	-9.17
15	5	231	1.042e+04	-8.23e-04	-1674.83	-1673.72	-1.11	-43.15	19.23	-31.13	-27.07	15.17	-13.70
		234	9751.93	108.92	-1631.15	-1623.53	101.30	-114.84	25.66	-15.86	-14.29	24.09	-7.92
		900	1.289e+04	107.71	-1958.93	-1952.53	101.30	-114.84	54.83	-12.84	-12.42	54.41	-5.30
		899	1.334e+04	-0.18	-2003.64	-2002.71	-1.11	-43.15	47.19	-26.90	-25.20	45.50	-11.09
15	6	231	9618.22	2.38	-1530.89	-1530.27	1.76	-30.81	17.68	-28.80	-25.77	14.64	-11.48
		234	9029.82	93.58	-1493.15	-1487.87	88.30	-91.38	23.96	-15.08	-14.29	23.17	-5.49
		900	1.187e+04	92.83	-1752.96	-1748.42	88.30	-91.38	53.54	-11.45	-11.29	53.37	-3.23
		899	1.222e+04	2.29	-1791.35	-1790.82	1.76	-30.81	46.08	-24.00	-22.77	44.85	-9.22
15	7	231	9409.94	2.38	-1497.38	-1496.89	1.89	-27.14	17.73	-27.98	-24.98	14.72	-11.33

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		234	8817.15	89.65	-1460.90	-1456.19	84.94	-85.28	24.11	-14.15	-13.38	23.34	-5.38
		900	1.162e+04	89.01	-1704.17	-1700.10	84.94	-85.28	53.70	-10.65	-10.51	53.56	-3.03
		899	1.197e+04	2.32	-1741.22	-1740.80	1.89	-27.14	46.13	-23.29	-22.11	44.95	-8.98
15	8	231	7363.06	1.83	-1168.43	-1168.04	1.44	-21.35	14.13	-21.89	-19.50	11.75	-8.96
		234	6888.92	70.02	-1139.94	-1136.24	66.33	-66.77	19.24	-10.82	-10.21	18.63	-4.25
		900	9127.96	69.51	-1332.21	-1329.02	66.33	-66.77	42.79	-8.11	-8.00	42.68	-2.34
		899	9407.99	1.77	-1361.15	-1360.82	1.44	-21.35	36.72	-18.21	-17.29	35.80	-7.05
15	9	231	6801.58	1.71	-1093.28	-1092.91	1.33	-20.26	12.17	-20.18	-18.02	10.01	-8.09
		234	6395.46	65.58	-1066.63	-1063.14	62.08	-62.78	16.45	-10.74	-10.14	15.85	-4.00
		900	8312.94	65.11	-1241.42	-1238.40	62.08	-62.78	36.58	-8.26	-8.12	36.44	-2.45
		899	8561.52	1.65	-1268.49	-1268.16	1.33	-20.26	31.51	-16.90	-16.00	30.61	-6.54
15	10	231	6661.69	1.63	-1065.84	-1065.47	1.26	-19.85	12.24	-19.82	-17.64	10.07	-8.07
		234	6250.41	64.18	-1039.75	-1036.32	60.75	-61.49	16.56	-10.27	-9.66	15.95	-4.01
		900	8197.08	63.70	-1217.78	-1214.83	60.75	-61.49	36.70	-7.87	-7.74	36.57	-2.41
		899	8448.46	1.58	-1244.29	-1243.97	1.26	-19.85	31.57	-16.61	-15.72	30.69	-6.47
15	11	231	6735.83	1.66	-1076.95	-1076.52	1.23	-21.48	12.15	-20.15	-18.00	10.00	-8.04
		234	6330.77	65.75	-1050.40	-1046.71	62.06	-64.06	16.41	-10.73	-10.14	15.82	-3.95
		900	8281.11	65.22	-1233.55	-1230.38	62.06	-64.06	36.56	-8.24	-8.11	36.43	-2.42
		899	8528.68	1.59	-1260.55	-1260.19	1.23	-21.48	31.50	-16.86	-15.97	30.61	-6.51
16	1	228	1.018e+04	16.71	-1657.26	-1656.07	15.51	44.64	19.26	-30.73	-26.26	14.79	-14.27
		231	9649.07	73.87	-1627.49	-1627.48	73.86	3.80	24.96	-17.75	-15.89	23.10	-8.70
		899	1.226e+04	73.87	-1828.65	-1828.65	73.86	3.80	54.58	-13.10	-12.52	54.00	-6.21
		898	1.257e+04	16.58	-1858.30	-1857.24	15.51	44.64	47.65	-24.86	-22.89	45.68	-11.78
16	2	228	1.003e+04	16.31	-1628.69	-1627.55	15.17	43.27	19.37	-30.23	-25.78	14.92	-14.18
		231	9483.85	73.15	-1599.15	-1599.15	73.15	2.69	25.22	-16.98	-15.12	23.36	-8.67
		899	1.215e+04	73.15	-1807.56	-1807.56	73.15	2.69	54.83	-12.56	-12.01	54.28	-6.06
		898	1.248e+04	16.18	-1836.98	-1835.97	15.17	43.27	47.74	-24.57	-22.67	45.84	-11.57
16	3	228	9910.20	16.18	-1604.01	-1602.85	15.03	43.32	19.32	-29.99	-25.57	14.90	-14.08
		231	9365.87	71.89	-1575.00	-1574.99	71.88	3.53	25.15	-16.78	-14.95	23.32	-8.56
		899	1.205e+04	71.88	-1787.35	-1787.34	71.88	3.53	54.78	-12.33	-11.80	54.25	-5.97
		898	1.237e+04	16.05	-1816.23	-1815.20	15.03	43.32	47.71	-24.30	-22.42	45.82	-11.49
16	4	228	9791.73	15.73	-1573.26	-1572.23	14.70	40.35	19.34	-29.94	-25.52	14.92	-14.09
		231	9246.39	72.94	-1543.69	-1543.69	72.94	-0.42	25.19	-16.69	-14.86	23.36	-8.57
		899	1.201e+04	72.94	-1775.40	-1775.40	72.94	-0.42	54.82	-12.28	-11.75	54.29	-5.97
		898	1.233e+04	15.60	-1804.83	-1803.93	14.70	40.35	47.73	-24.29	-22.41	45.85	-11.48
16	5	228	1.097e+04	18.86	-1798.19	-1797.47	18.14	36.03	20.53	-32.77	-27.74	15.50	-15.58
		231	1.034e+04	84.49	-1765.05	-1764.99	84.44	-10.38	26.77	-18.42	-15.93	24.28	-10.32
		899	1.342e+04	84.49	-2068.96	-2068.91	84.44	-10.38	56.03	-14.66	-13.89	55.26	-7.35
		898	1.384e+04	18.75	-2102.01	-2101.40	18.14	36.03	48.62	-27.84	-25.70	46.48	-12.61
16	6	228	1.008e+04	16.34	-1633.40	-1632.30	15.23	42.67	19.23	-30.67	-26.23	14.78	-14.21
		231	9554.66	74.47	-1603.27	-1603.27	74.46	1.21	24.92	-17.69	-15.86	23.09	-8.64
		899	1.221e+04	74.47	-1816.34	-1816.34	74.46	1.21	54.57	-13.05	-12.48	54.00	-6.16
		898	1.252e+04	16.21	-1846.34	-1845.36	15.23	42.67	47.64	-24.80	-22.85	45.69	-11.73
16	7	228	9830.92	16.10	-1589.01	-1587.85	14.93	43.28	19.21	-29.78	-25.42	14.85	-13.95
		231	9293.20	71.00	-1560.39	-1560.38	70.99	4.04	25.01	-16.67	-14.90	23.24	-8.41
		899	1.194e+04	71.00	-1764.51	-1764.50	70.99	4.04	54.67	-12.18	-11.66	54.16	-5.85
		898	1.226e+04	15.97	-1793.01	-1791.97	14.93	43.28	47.63	-24.04	-22.18	45.77	-11.39
16	8	228	7691.21	12.54	-1239.94	-1239.04	11.64	33.63	15.29	-23.29	-19.85	11.85	-10.98
		231	7259.06	55.48	-1217.57	-1217.56	55.48	2.94	19.95	-12.78	-11.39	18.57	-6.60
		899	9384.12	55.48	-1380.34	-1380.34	55.48	2.94	43.55	-9.28	-8.89	43.16	-4.52
		898	9634.16	12.44	-1402.62	-1401.82	11.64	33.63	37.88	-18.79	-17.36	36.44	-8.91
16	9	228	7112.75	11.68	-1161.58	-1160.75	10.85	31.19	13.23	-21.47	-18.35	10.10	-9.94
		231	6748.31	51.91	-1140.64	-1140.63	51.91	2.45	17.10	-12.59	-11.26	15.77	-6.14
		899	8548.41	51.91	-1285.32	-1285.32	51.91	2.45	37.30	-9.39	-8.97	36.87	-4.44
		898	8766.08	11.59	-1306.17	-1305.43	10.85	31.19	32.59	-17.45	-16.05	31.20	-8.24
16	10	228	6962.49	11.39	-1131.99	-1131.18	10.58	30.45	13.26	-21.06	-17.96	10.16	-9.84
		231	6590.75	50.81	-1111.47	-1111.47	50.80	2.29	17.21	-12.05	-10.74	15.90	-6.06
		899	8433.62	50.81	-1262.37	-1262.37	50.80	2.29	37.41	-8.97	-8.56	37.00	-4.31
		898	8655.91	11.30	-1282.80	-1282.08	10.58	30.45	32.62	-17.14	-15.79	31.27	-8.08
16	11	228	7059.48	11.48	-1148.32	-1147.54	10.69	30.09	13.21	-21.44	-18.32	10.10	-9.91
		231	6695.82	52.24	-1127.18	-1127.18	52.24	1.01	17.09	-12.56	-11.24	15.77	-6.11
		899	8522.86	52.24	-1278.48	-1278.48	52.24	1.01	37.29	-9.37	-8.94	36.87	-4.42
		898	8739.42	11.39	-1299.53	-1298.84	10.69	30.09	32.59	-17.42	-16.03	31.20	-8.21
17	1	35	1636.51	1117.39	-1365.65	1096.61	-1344.86	-226.23	61.85	-43.18	56.63	-37.96	22.82
		451	801.75	1150.77	151.76	1096.61	205.93	-226.23	29.79	-1.31	26.99	1.49	-8.91
		450	439.57	420.36	-32.74	181.69	205.93	-226.23	7.62	-52.88	-11.52	-33.75	28.14
		449	1185.72	214.51	-1377.68	181.69	-1344.86	-226.23	47.76	-102.83	18.13	-73.20	59.86
17	2	35	1389.67	1017.52	-1088.45	1003.46	-1074.40	-171.48	51.21	-37.21	47.15	-33.15	18.51
		451	718.27	1036.81	121.52	1003.46	154.86	-171.48	23.99	-1.54	21.38	1.08	-7.74
		450	352.96	327.55	-15.42	157.27	154.86	-171.48	5.22	-47.82	-10.91	-31.68	24.40
		449	973.02	180.70	-1097.82	157.27	-1074.40	-171.48	39.26	-90.30	14.86	-65.91	50.65
17	3	35	1346.00	1087.60	-855.73	1081.10	-849.23	-112.23	61.97	-41.99	59.04	-39.06	17.19

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		451	780.11	1094.23	121.89	1081.10	135.02	-112.23	34.53	-5.74	28.37	0.42	-14.49
		450	287.17	259.86	34.12	158.96	135.02	-112.23	2.98	-49.17	-10.23	-35.97	22.68
		449	867.47	171.30	-861.57	158.96	-849.23	-112.23	44.98	-99.99	20.45	-75.45	54.36
17	4	35	1332.81	1066.46	-853.73	1059.62	-846.89	-114.40	41.56	-68.49	-55.57	28.64	35.42
		451	854.53	1073.61	123.62	1059.62	137.60	-114.40	46.73	-71.80	-32.76	7.69	55.71
		450	315.31	258.79	29.61	150.80	137.60	-114.40	41.94	-33.80	-9.63	17.76	35.31
		449	804.05	163.75	-859.84	150.80	-846.89	-114.40	41.76	-35.48	-32.44	38.72	15.02
17	5	35	1328.31	1065.19	-883.00	1057.66	-875.47	-120.93	39.55	-63.77	-49.75	25.52	35.39
		451	841.87	1073.35	125.67	1057.66	141.37	-120.93	44.99	-67.01	-29.47	7.45	52.87
		450	321.98	268.14	26.01	152.78	141.37	-120.93	40.43	-34.37	-9.60	15.66	35.21
		449	811.19	166.81	-889.50	152.78	-875.47	-120.93	38.34	-34.48	-29.88	33.73	17.73
17	6	35	1328.77	1115.82	-860.61	1109.44	-854.23	-112.07	38.35	-60.26	-44.94	23.03	35.73
		451	856.23	1122.30	132.87	1109.44	145.73	-112.07	43.92	-63.27	-26.70	7.34	50.82
		450	314.14	263.87	39.40	157.54	145.73	-112.07	39.57	-35.11	-9.59	14.05	35.42
		449	786.89	169.80	-866.50	157.54	-854.23	-112.07	36.19	-34.28	-27.83	29.73	20.33
17	7	35	1299.74	1080.53	-832.16	1074.43	-826.06	-107.80	38.70	-61.64	-47.27	24.34	35.15
		451	839.87	1086.67	124.62	1074.43	136.85	-107.80	44.11	-64.79	-28.01	7.33	51.50
		450	306.35	253.29	37.05	153.49	136.85	-107.80	39.58	-34.24	-9.44	14.79	34.86
		449	770.45	165.21	-837.79	153.49	-826.06	-107.80	37.01	-33.92	-28.70	31.79	18.51
17	8	35	1079.32	859.32	-651.10	854.78	-646.56	-82.72	55.91	-37.02	54.39	-35.50	11.79
		451	633.24	863.79	95.54	854.78	104.55	-82.72	34.54	-8.36	26.57	-0.39	-16.69
		450	220.51	199.63	32.59	127.66	104.55	-82.72	0.15	-40.90	-8.07	-32.68	16.43
		449	700.09	136.40	-655.30	127.66	-646.56	-82.72	38.69	-86.73	19.75	-67.79	44.90
17	9	35	1048.45	773.63	-897.93	760.83	-885.13	-145.73	30.74	-24.06	23.76	-17.07	18.27
		451	517.58	793.05	101.67	760.83	133.89	-145.73	11.61	0.89	10.43	2.06	3.35
		450	292.02	274.16	-17.52	122.74	133.89	-145.73	9.70	-33.49	-7.84	-15.95	21.21
		449	736.62	143.39	-905.78	122.74	-885.13	-145.73	26.63	-56.24	5.48	-35.09	36.13
17	10	35	887.36	757.18	-614.75	752.21	-609.78	-82.40	29.91	-22.50	25.10	-17.68	15.14
		451	509.99	762.38	84.34	752.21	94.50	-82.40	11.21	1.46	11.20	1.47	0.25
		450	205.94	185.08	19.54	110.11	94.50	-82.40	6.71	-31.02	-7.13	-17.19	18.18
		449	557.81	119.43	-619.09	110.11	-609.78	-82.40	24.69	-54.26	6.77	-36.34	33.07
17	11	35	938.62	772.85	-617.45	767.96	-612.56	-82.32	27.56	-43.42	-32.67	16.81	25.44
		451	600.29	777.96	90.45	767.96	100.45	-82.32	31.53	-45.60	-19.39	5.32	36.54
		450	226.00	187.32	22.45	109.33	100.45	-82.32	28.63	-24.80	-6.77	10.60	25.26
		449	564.92	118.59	-621.83	109.33	-612.56	-82.32	26.42	-24.37	-20.05	22.10	14.17
18	1	47	1492.03	1011.63	-1312.74	964.88	-1265.99	-326.30	68.34	-87.59	-11.20	-8.05	77.95
		456	966.91	1080.71	45.65	964.88	161.48	-326.30	69.74	-92.28	-9.28	-13.25	80.98
		455	763.24	569.84	-99.25	309.11	161.48	-326.30	52.41	-103.58	-9.42	-41.75	76.31
		454	1140.64	374.03	-1330.91	309.11	-1265.99	-326.30	50.41	-98.28	-11.33	-36.54	73.27
18	2	47	1342.25	786.03	-1347.12	730.65	-1291.75	-339.19	60.50	-72.56	1.21	-13.27	66.14
		456	816.65	884.70	-16.20	730.65	137.85	-339.19	56.48	-70.98	-2.32	-12.18	63.54
		455	720.22	550.05	-141.27	270.94	137.85	-339.19	42.05	-91.64	-8.59	-41.00	64.85
		454	1112.83	341.38	-1362.20	270.94	-1291.75	-339.19	46.37	-93.52	-5.05	-42.09	67.45
18	3	47	1314.02	823.37	-1201.41	774.45	-1152.49	-310.90	69.37	-83.85	-4.28	-10.20	76.55
		456	856.48	896.28	-18.95	774.45	102.88	-310.90	67.24	-84.01	-3.63	-13.14	75.47
		455	724.50	524.95	-126.13	295.94	102.88	-310.90	49.64	-99.95	-8.26	-42.06	72.86
		454	1061.77	359.85	-1216.40	295.94	-1152.49	-310.90	51.45	-99.48	-8.92	-39.11	73.94
18	4	47	1186.51	802.41	-1198.12	753.48	-1149.18	-309.03	14.63	-28.48	-9.80	-4.05	-21.36
		456	603.59	876.84	-20.68	753.48	102.68	-309.03	9.33	-28.18	-21.06	2.21	-14.71
		455	416.61	517.94	-127.30	287.97	102.68	-309.03	3.80	-17.84	-14.13	0.09	-8.16
		454	985.64	351.60	-1212.82	287.97	-1149.18	-309.03	10.38	-19.42	-2.87	-6.17	-14.81
18	5	47	1174.88	819.04	-1188.56	771.44	-1140.95	-305.47	8.85	-23.30	-11.12	-3.33	-15.59
		456	624.45	890.27	-13.77	771.44	105.07	-305.47	4.55	-24.02	-21.07	1.60	-8.69
		455	393.79	516.54	-121.71	289.76	105.07	-305.47	-0.30	-14.80	-13.94	-1.16	-3.42
		454	968.99	352.25	-1203.44	289.76	-1140.95	-305.47	5.34	-15.42	-3.99	-6.08	-10.33
18	6	47	1186.56	869.20	-1160.46	823.65	-1114.90	-300.65	4.26	-20.06	-13.71	-2.09	-10.68
		456	668.03	932.26	-8.56	823.65	100.06	-300.65	1.46	-22.36	-22.01	1.11	-2.86
		455	411.15	521.06	-114.64	306.36	100.06	-300.65	-1.84	-13.97	-13.92	-1.89	0.76
		454	946.62	367.34	-1175.88	306.36	-1114.90	-300.65	1.72	-12.42	-5.62	-5.09	-7.07
18	7	47	1153.81	829.40	-1151.75	783.47	-1105.82	-298.14	6.96	-22.32	-13.05	-2.31	-13.62
		456	637.00	894.88	-14.41	783.47	96.99	-298.14	2.82	-23.24	-21.82	1.40	-5.91
		455	395.10	510.21	-118.12	295.09	96.99	-298.14	-0.96	-14.07	-13.81	-1.22	-1.82
		454	940.67	355.90	-1166.63	295.09	-1105.82	-298.14	4.54	-14.50	-5.04	-4.92	-9.52
18	8	47	1038.04	652.76	-924.65	615.10	-886.99	-240.81	61.03	-72.30	-2.71	-8.57	66.60
		456	691.51	707.48	-12.64	615.10	79.74	-240.81	58.89	-71.64	-1.30	-11.45	65.07
		455	589.39	410.68	-95.49	235.46	79.74	-240.81	43.08	-85.47	-5.95	-36.43	62.44
		454	837.03	284.94	-936.47	235.46	-886.99	-240.81	44.84	-85.76	-7.36	-33.55	63.97
18	9	47	997.58	678.91	-911.50	645.71	-878.30	-227.36	34.49	-47.47	-8.12	-4.85	40.95
		456	623.97	728.56	21.75	645.71	104.59	-227.36	35.98	-51.64	-8.59	-7.07	43.81
		455	479.87	392.17	-75.17	212.40	104.59	-227.36	27.44	-57.90	-7.41	-23.05	41.95
		454	766.62	257.90	-923.80	212.40	-878.30	-227.36	25.81	-53.59	-6.95	-20.83	39.09
18	10	47	896.61	574.37	-849.70	539.91	-815.25	-218.81	35.02	-45.34	-4.28	-6.04	40.17

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		456	560.39	626.30	-14.34	539.91	72.04	-218.81	34.53	-46.98	-5.44	-7.01	40.74
		455	458.79	367.26	-90.14	205.09	72.04	-218.81	25.88	-55.86	-6.77	-23.22	40.03
		454	721.11	250.03	-860.19	205.09	-815.25	-218.81	26.40	-54.26	-5.61	-22.25	39.46
18	11	47	833.18	599.82	-826.94	567.25	-794.36	-213.11	3.67	-14.73	-9.52	-1.54	-8.29
		456	462.63	646.14	-8.42	567.25	70.47	-213.11	1.36	-16.11	-15.66	0.91	-2.77
		455	287.38	365.05	-83.70	210.88	70.47	-213.11	-0.90	-9.91	-9.91	-0.90	-0.03
		454	671.67	254.19	-837.68	210.88	-794.36	-213.11	1.98	-9.11	-3.77	-3.35	-5.54
19	1	59	1301.70	770.19	-1158.81	724.30	-1112.93	-293.96	47.49	-79.18	-33.18	1.49	60.92
		460	860.78	848.62	29.23	724.30	153.55	-293.96	54.59	-97.44	-33.28	-9.57	75.09
		459	669.95	492.93	-101.07	238.31	153.55	-293.96	45.05	-86.11	-19.42	-21.64	65.57
		458	1018.15	299.49	-1174.11	238.31	-1112.93	-293.96	36.64	-66.54	-19.32	-10.58	51.40
19	2	59	1235.43	566.88	-1212.89	515.97	-1161.99	-296.66	49.54	-79.38	-32.18	2.34	62.10
		460	785.67	684.69	-5.66	515.97	163.05	-296.66	55.91	-95.94	-30.15	-9.88	75.25
		459	661.24	462.26	-131.08	168.13	163.05	-296.66	44.50	-84.64	-17.49	-22.65	64.52
		458	1021.50	231.30	-1225.15	168.13	-1161.99	-296.66	36.60	-66.54	-19.51	-10.43	51.37
19	3	59	1230.02	552.11	-1145.67	500.62	-1094.18	-291.15	53.53	-89.81	-43.00	6.72	67.22
		460	820.62	663.38	-20.20	500.62	142.56	-291.15	61.11	-108.54	-38.09	-9.35	83.60
		459	675.36	448.72	-134.31	171.86	142.56	-291.15	49.09	-89.44	-21.53	-18.82	69.25
		458	1013.04	235.60	-1157.92	171.86	-1094.18	-291.15	39.59	-68.79	-26.45	-2.75	52.88
19	4	59	1218.55	535.74	-1147.29	484.03	-1095.58	-290.44	65.81	-36.30	62.02	-32.51	-19.30
		460	658.49	650.12	-23.84	484.03	142.25	-290.44	62.90	-33.31	33.21	-3.62	-44.44
		459	426.24	444.78	-136.58	165.95	142.25	-290.44	10.58	-34.22	3.25	-26.89	-16.57
		458	1035.05	229.61	-1159.24	165.95	-1095.58	-290.44	32.90	-56.61	32.07	-55.79	8.57
19	5	59	1187.60	562.57	-1114.85	513.30	-1065.58	-283.23	58.21	-32.57	55.42	-29.79	-15.66
		460	632.88	665.57	-13.50	513.30	138.78	-283.23	53.91	-28.88	28.66	-3.63	-38.12
		459	401.50	439.35	-128.10	172.47	138.78	-283.23	6.87	-30.53	1.78	-25.44	-12.82
		458	998.72	234.19	-1127.29	172.47	-1065.58	-283.23	29.68	-52.74	28.54	-51.60	9.63
19	6	59	1182.57	591.48	-1105.50	542.06	-1056.09	-285.33	53.63	-30.56	51.34	-28.27	-13.72
		460	628.95	688.97	-12.10	542.06	134.81	-285.33	48.48	-26.52	25.51	-3.55	-34.57
		459	395.43	446.60	-126.30	185.49	134.81	-285.33	4.42	-28.22	0.49	-24.30	-10.61
		458	987.85	247.92	-1118.52	185.49	-1056.09	-285.33	27.69	-50.38	26.32	-49.02	10.24
19	7	59	1175.88	557.10	-1105.06	507.30	-1055.25	-283.38	57.23	-32.28	54.38	-29.43	-15.70
		460	628.47	660.02	-18.52	507.30	134.20	-283.38	52.98	-28.79	27.68	-3.49	-37.80
		459	401.07	438.08	-130.06	173.81	134.20	-283.38	6.42	-29.95	1.25	-24.78	-12.70
		458	989.98	236.00	-1117.44	173.81	-1055.25	-283.38	29.06	-51.84	27.95	-50.73	9.40
19	8	59	989.39	438.48	-878.50	398.82	-838.84	-225.06	47.09	-80.29	-41.26	8.05	58.73
		460	684.54	522.07	-12.15	398.82	111.11	-225.06	54.45	-97.04	-34.79	-7.79	74.53
		459	553.32	349.52	-101.35	137.07	111.11	-225.06	43.67	-76.83	-18.53	-14.63	60.22
		458	804.04	186.47	-888.25	137.07	-838.84	-225.06	34.41	-58.20	-25.00	1.22	44.41
19	9	59	839.42	505.39	-821.45	472.14	-788.20	-207.40	24.70	-38.19	-9.70	-3.80	31.31
		460	514.31	565.60	11.90	472.14	105.36	-207.40	25.95	-45.82	-14.04	-5.83	35.65
		459	416.84	339.84	-78.08	156.40	105.36	-207.40	21.34	-47.55	-10.54	-15.68	34.35
		458	675.11	199.93	-831.73	156.40	-788.20	-207.40	20.32	-40.16	-6.19	-13.65	30.01
19	10	59	799.92	384.33	-814.24	347.88	-777.78	-205.83	27.51	-43.55	-15.15	-0.89	34.81
		460	490.39	464.03	-16.90	347.88	99.25	-205.83	29.54	-51.96	-16.71	-5.70	40.38
		459	419.78	315.45	-96.72	119.48	99.25	-205.83	23.50	-49.33	-11.71	-14.11	36.40
		458	672.51	164.45	-822.75	119.48	-777.78	-205.83	21.10	-40.55	-10.15	-9.30	30.83
19	11	59	839.48	406.20	-791.92	370.90	-756.62	-202.60	39.00	-22.07	37.26	-20.33	-10.16
		460	444.43	478.04	-12.20	370.90	94.95	-202.60	35.46	-19.32	18.62	-2.48	-25.27
		459	282.02	314.24	-92.23	127.06	94.95	-202.60	3.59	-20.22	0.53	-17.16	-7.98
		458	705.23	171.29	-800.86	127.06	-756.62	-202.60	20.09	-35.93	19.17	-35.01	7.14
20	1	71	1032.53	562.43	-1082.86	521.90	-1042.34	-255.02	11.86	-70.53	-9.81	-48.86	36.27
		464	533.89	649.96	14.03	521.90	142.09	-255.02	9.35	-48.33	-11.00	-27.98	27.57
		463	524.72	416.59	-94.83	179.68	142.09	-255.02	44.68	-50.31	-15.83	10.20	45.68
		462	934.25	230.76	-1093.42	179.68	-1042.34	-255.02	41.76	-67.07	-14.63	-10.69	54.38
20	2	71	983.03	434.85	-1102.68	394.62	-1062.45	-245.41	13.24	-72.37	-10.43	-48.69	38.30
		464	487.23	546.34	-2.34	394.62	149.39	-245.41	9.74	-49.50	-11.50	-28.26	28.41
		463	508.81	382.45	-109.03	124.03	149.39	-245.41	45.68	-51.09	-17.35	11.94	46.12
		462	930.77	172.79	-1111.21	124.03	-1062.45	-245.41	43.75	-68.53	-16.29	-8.49	56.00
20	3	71	931.98	358.64	-1098.78	313.63	-1053.78	-252.13	12.57	-73.05	-13.71	-46.76	39.49
		464	476.07	494.14	-38.52	313.63	141.99	-252.13	7.45	-50.04	-15.84	-26.75	28.22
		463	514.99	376.43	-129.15	105.28	141.99	-252.13	46.35	-53.01	-22.86	16.20	45.68
		462	942.90	157.75	-1106.24	105.28	-1053.78	-252.13	45.30	-69.85	-20.73	-3.82	56.95
20	4	71	937.34	348.87	-1099.58	303.99	-1054.71	-250.97	24.02	-46.79	9.39	-32.16	28.67
		464	423.64	486.86	-40.46	303.99	142.40	-250.97	27.18	-34.06	17.48	-24.36	22.36
		463	436.66	373.16	-130.57	100.19	142.40	-250.97	30.02	-32.11	11.90	-14.00	28.24
		462	813.01	152.37	-1106.89	100.19	-1054.71	-250.97	27.86	-45.84	3.81	-21.79	34.55
20	5	71	937.16	361.83	-1091.86	317.11	-1047.15	-251.01	22.20	-45.89	8.35	-32.04	27.41
		464	420.28	494.30	-38.46	317.11	138.73	-251.01	24.85	-32.92	15.69	-23.76	21.11
		463	431.10	375.43	-127.45	109.25	138.73	-251.01	28.61	-30.86	10.24	-12.49	27.48
		462	811.15	161.38	-1099.28	109.25	-1047.15	-251.01	26.86	-44.72	2.90	-20.76	33.78
20	6	71	940.16	368.99	-1092.62	323.33	-1046.95	-254.28	21.06	-45.58	7.65	-32.18	26.71

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		464	421.82	501.29	-40.01	323.33	137.95	-254.28	23.39	-32.30	14.58	-23.49	20.32
		463	432.01	380.66	-128.45	114.27	137.95	-254.28	27.81	-30.12	9.12	-11.43	27.08
		462	816.30	167.51	-1100.19	114.27	-1046.95	-254.28	26.32	-44.25	2.19	-20.11	33.48
20	7	71	931.26	343.82	-1094.94	297.87	-1049.00	-252.97	21.73	-45.88	8.24	-32.39	27.02
		464	417.19	483.25	-47.33	297.87	138.05	-252.97	24.28	-32.56	15.55	-23.82	20.50
		463	431.32	374.88	-132.15	104.68	138.05	-252.97	28.26	-30.22	9.93	-11.89	27.12
		462	812.65	157.71	-1102.03	104.68	-1049.00	-252.97	26.65	-44.49	2.63	-20.46	33.65
20	8	71	719.06	282.63	-843.23	247.80	-808.40	-194.92	8.96	-58.93	-12.35	-37.63	31.50
		464	373.84	385.83	-27.47	247.80	110.55	-194.92	4.70	-40.41	-14.62	-21.08	22.32
		463	406.91	292.70	-98.05	84.10	110.55	-194.92	37.63	-43.69	-20.30	14.24	36.81
		462	735.93	124.81	-849.12	84.10	-808.40	-194.92	36.49	-56.82	-18.03	-2.30	45.99
20	9	71	717.50	363.09	-773.56	333.74	-744.21	-180.30	10.06	-46.18	-4.13	-31.98	24.43
		464	356.58	431.59	1.51	333.74	99.36	-180.30	8.72	-31.63	-3.74	-19.17	18.65
		463	354.91	287.21	-73.69	114.16	99.36	-180.30	28.55	-31.77	-7.21	3.99	29.64
		462	645.33	150.49	-780.54	114.16	-744.21	-180.30	27.21	-43.64	-7.61	-8.82	35.42
20	10	71	661.84	249.94	-782.48	218.03	-750.56	-178.69	10.39	-47.50	-6.30	-30.81	26.22
		464	327.86	346.97	-29.62	218.03	99.31	-178.69	7.49	-32.40	-6.42	-18.49	19.01
		463	349.93	265.26	-93.11	72.83	99.31	-178.69	29.14	-32.94	-11.12	7.32	29.64
		462	650.37	109.94	-787.67	72.83	-750.56	-178.69	28.97	-44.97	-11.00	-5.00	36.85
20	11	71	666.61	255.70	-779.05	223.42	-746.77	-179.89	15.21	-32.35	5.57	-22.71	19.12
		464	298.51	350.90	-30.42	223.42	97.06	-179.89	16.85	-23.05	10.48	-16.68	14.62
		463	306.24	267.59	-92.71	77.82	97.06	-179.89	19.96	-21.34	6.65	-8.03	19.31
		462	580.38	115.36	-784.31	77.82	-746.77	-179.89	18.93	-31.25	1.74	-14.06	23.81
21	1	54	1.200e+04	95.53	-1782.99	-1778.30	90.84	-93.73	53.58	-11.53	-11.36	53.41	-3.35
		57	1.235e+04	2.78	-1822.27	-1821.72	2.23	-31.70	46.11	-24.12	-22.85	44.85	-9.34
		879	9877.69	2.86	-1594.24	-1593.61	2.23	-31.70	17.75	-28.93	-25.83	14.65	-11.62
		878	9288.59	96.18	-1555.52	-1550.19	90.84	-93.73	24.03	-15.17	-14.34	23.21	-5.63
21	2	54	1.189e+04	94.67	-1760.11	-1755.33	89.88	-94.07	53.84	-11.04	-10.86	53.66	-3.39
		57	1.225e+04	2.63	-1798.96	-1798.37	2.04	-32.58	46.27	-23.85	-22.59	45.01	-9.32
		879	9731.22	2.72	-1565.32	-1564.64	2.04	-32.58	17.93	-28.51	-25.35	14.77	-11.70
		878	9129.35	95.36	-1527.07	-1521.60	89.88	-94.07	24.30	-14.49	-13.62	23.42	-5.77
21	3	54	1.174e+04	92.33	-1729.40	-1724.91	87.84	-90.29	53.75	-10.75	-10.59	53.60	-3.16
		57	1.209e+04	2.66	-1767.42	-1766.91	2.14	-30.30	46.19	-23.44	-22.23	44.98	-9.10
		879	9581.70	2.74	-1537.02	-1536.42	2.14	-30.30	17.80	-28.13	-25.07	14.73	-11.46
		878	8987.25	92.98	-1499.56	-1494.43	87.84	-90.29	24.17	-14.24	-13.43	23.36	-5.52
21	4	54	1.172e+04	92.42	-1726.09	-1721.72	88.05	-89.04	53.76	-10.73	-10.57	53.60	-3.13
		57	1.207e+04	2.69	-1764.25	-1763.78	2.21	-28.95	46.18	-23.41	-22.21	44.98	-9.07
		879	9585.40	2.76	-1539.09	-1538.54	2.21	-28.95	17.79	-28.10	-25.05	14.74	-11.43
		878	8992.16	93.04	-1501.47	-1496.48	88.05	-89.04	24.17	-14.22	-13.41	23.36	-5.49
21	5	54	1.240e+04	101.34	-1865.25	-1859.81	95.90	-103.25	54.35	-11.76	-11.47	54.07	-4.33
		57	1.280e+04	2.60	-1906.62	-1905.89	1.87	-37.43	46.76	-25.19	-23.73	45.29	-10.17
		879	1.010e+04	2.72	-1629.58	-1628.72	1.87	-37.43	18.61	-29.62	-26.02	15.00	-12.68
		878	9460.73	102.23	-1588.97	-1582.64	95.90	-103.25	24.99	-14.97	-13.77	23.78	-6.84
21	6	54	1.200e+04	95.54	-1783.23	-1778.62	90.93	-92.99	53.58	-11.53	-11.35	53.40	-3.41
		57	1.235e+04	2.77	-1822.59	-1822.07	2.25	-30.91	46.12	-24.12	-22.84	44.84	-9.39
		879	9894.74	2.85	-1598.55	-1597.96	2.25	-30.91	17.77	-28.96	-25.83	14.65	-11.68
		878	9306.40	96.17	-1559.74	-1554.50	90.93	-92.99	24.05	-15.19	-14.34	23.20	-5.69
21	7	54	1.170e+04	92.00	-1721.21	-1716.72	87.52	-90.06	53.71	-10.70	-10.55	53.56	-3.09
		57	1.205e+04	2.69	-1759.07	-1758.54	2.17	-30.31	46.15	-23.34	-22.14	44.96	-9.04
		879	9558.28	2.76	-1533.07	-1532.47	2.17	-30.31	17.75	-28.05	-25.02	14.72	-11.39
		878	8966.65	92.64	-1495.77	-1490.65	87.52	-90.06	24.11	-14.21	-13.42	23.33	-5.44
21	8	54	9136.75	71.16	-1334.90	-1331.47	67.73	-69.36	42.76	-8.06	-7.96	42.66	-2.29
		57	9411.80	2.08	-1364.22	-1363.83	1.69	-23.13	36.70	-18.12	-17.21	35.79	-7.00
		879	7433.10	2.14	-1187.69	-1187.24	1.69	-23.13	14.09	-21.82	-19.46	11.72	-8.90
		878	6963.05	71.65	-1158.80	-1154.88	67.73	-69.36	19.19	-10.81	-10.21	18.59	-4.19
21	9	54	8364.81	67.20	-1252.86	-1249.54	63.88	-66.14	36.58	-8.29	-8.15	36.45	-2.49
		57	8612.18	1.92	-1280.48	-1280.09	1.53	-22.49	31.52	-16.93	-16.02	30.61	-6.59
		879	6902.99	1.98	-1117.66	-1117.21	1.53	-22.49	12.19	-20.23	-18.04	10.00	-8.13
		878	6497.88	67.67	-1090.45	-1086.66	63.88	-66.14	16.45	-10.79	-10.17	15.84	-4.04
21	10	54	8218.78	65.42	-1223.09	-1219.88	62.21	-64.23	36.68	-7.85	-7.72	36.55	-2.39
		57	8466.55	1.86	-1250.01	-1249.64	1.48	-21.71	31.56	-16.55	-15.67	30.68	-6.45
		879	6738.47	1.92	-1085.87	-1085.44	1.48	-21.71	12.22	-19.78	-17.62	10.05	-8.04
		878	6330.22	65.89	-1059.36	-1055.68	62.21	-64.23	16.52	-10.28	-9.67	15.92	-3.98
21	11	54	8365.34	67.21	-1252.99	-1249.71	63.93	-65.73	36.58	-8.29	-8.15	36.44	-2.52
		57	8612.16	1.92	-1280.66	-1280.28	1.54	-22.05	31.53	-16.93	-16.01	30.61	-6.62
		879	6912.46	1.97	-1120.06	-1119.63	1.54	-22.05	12.20	-20.24	-18.04	10.00	-8.16
		878	6507.79	67.66	-1092.79	-1089.06	63.93	-65.73	16.46	-10.80	-10.18	15.84	-4.07
22	1	257	997.82	398.65	-9.85	140.27	248.53	-196.95	-34.17	-135.89	-34.18	-135.89	-0.62
		424	1023.25	387.46	-9.87	136.59	241.00	-191.68	-45.85	-136.76	-47.36	-135.25	11.63
		423	747.41	393.09	-0.58	151.51	241.00	-191.68	81.50	4.93	76.52	9.90	-18.87
		422	896.78	404.27	-0.54	155.19	248.53	-196.95	100.35	-1.38	89.71	9.26	-31.13
22	2	257	1010.59	356.01	-0.33	134.37	221.31	-172.79	-35.94	-143.52	-36.00	-143.46	2.65

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		424	1031.75	340.78	-0.37	129.35	211.06	-165.61	-40.30	-143.25	-43.10	-140.45	16.74
		423	642.94	340.39	-1.01	128.32	211.06	-165.61	72.59	-6.52	70.40	-4.34	-12.97
		422	787.58	355.63	-0.97	133.35	221.31	-172.79	85.39	-15.24	77.49	-7.34	-27.06
22	3	257	943.39	418.77	14.50	176.05	257.23	-198.02	-38.29	-126.65	-38.34	-126.61	-1.98
		424	971.11	406.67	14.44	172.05	249.06	-192.30	-47.53	-126.03	-49.03	-124.53	10.73
		423	699.56	395.77	-3.00	143.71	249.06	-192.30	73.28	8.46	68.75	12.99	-16.54
		422	843.17	407.92	-2.98	147.71	257.23	-198.02	90.22	0.13	79.44	10.92	-29.24
22	4	257	950.92	390.06	0.66	141.80	248.93	-187.19	-27.21	-128.30	-27.31	-128.21	-3.09
		424	945.35	351.71	0.61	129.17	223.15	-169.14	-36.90	-127.61	-37.82	-126.69	9.10
		423	704.02	351.07	-0.51	127.41	223.15	-169.14	80.91	2.30	76.07	7.13	-18.88
		422	864.47	389.43	-0.46	140.04	248.93	-187.19	97.14	-4.94	86.59	5.61	-31.07
22	5	257	1019.29	388.92	5.81	145.70	249.03	-184.45	-34.17	-141.10	-34.17	-141.10	-0.35
		424	1011.55	344.81	5.74	131.18	219.38	-163.70	-47.02	-142.12	-48.44	-140.71	11.53
		423	692.81	341.06	-0.85	120.84	219.38	-163.70	81.30	0.57	76.96	4.91	-18.22
		422	868.12	385.21	-0.81	135.37	249.03	-184.45	100.65	-4.91	91.23	4.52	-30.10
22	6	257	1009.71	413.04	-0.98	150.75	261.31	-199.49	-35.42	-135.97	-35.42	-135.97	-0.10
		424	1020.82	384.00	-1.02	141.19	241.79	-185.83	-48.61	-137.50	-50.15	-135.96	11.60
		423	731.88	383.90	-1.20	140.91	241.79	-185.83	80.94	5.61	75.82	10.73	-18.97
		422	895.93	412.93	-1.16	150.47	261.31	-199.49	100.97	0.30	90.55	10.73	-30.67
22	7	257	950.60	387.05	-10.10	133.48	243.47	-190.81	-32.11	-128.00	-32.12	-128.00	-0.75
		424	970.58	371.08	-10.12	128.22	232.74	-183.30	-42.49	-128.57	-43.95	-127.10	11.15
		423	711.88	377.20	0.17	144.63	232.74	-183.30	77.59	5.42	72.88	10.13	-17.83
		422	857.20	393.14	0.21	149.88	243.47	-190.81	95.02	-1.07	84.71	9.23	-29.74
22	8	257	719.03	328.85	12.67	139.98	201.55	-155.07	-29.53	-95.65	-29.58	-95.59	-1.98
		424	741.72	320.17	12.62	137.10	195.68	-150.96	-36.25	-94.90	-37.35	-93.81	7.94
		423	544.29	310.64	-2.56	112.39	195.68	-150.96	56.20	7.55	52.47	11.29	-12.95
		422	653.51	319.36	-2.55	115.27	201.55	-155.07	69.02	0.72	60.23	9.51	-22.87
22	9	257	708.40	276.97	-6.60	97.36	173.01	-136.65	-24.40	-97.10	-24.40	-97.10	-0.08
		424	724.80	268.01	-6.62	94.41	166.98	-132.43	-32.82	-97.83	-33.95	-96.70	8.49
		423	519.00	271.82	-0.30	104.55	166.98	-132.43	57.12	2.70	53.88	5.94	-12.88
		422	625.60	280.77	-0.27	107.50	173.01	-136.65	70.51	-1.54	63.42	5.54	-21.46
22	10	257	677.68	288.09	6.99	117.24	177.84	-137.24	-26.70	-91.96	-26.71	-91.95	-0.83
		424	695.44	278.62	6.95	114.11	171.46	-132.77	-33.75	-91.87	-34.87	-90.75	7.99
		423	491.59	273.30	-1.63	100.21	171.46	-132.77	52.55	4.67	49.56	7.66	-11.59
		422	595.02	282.80	-1.62	103.34	177.84	-137.24	64.85	-0.67	57.72	6.46	-20.41
22	11	257	714.97	284.96	-1.67	103.19	180.11	-138.06	-25.09	-97.15	-25.09	-97.15	0.21
		424	723.44	266.09	-1.70	96.97	167.42	-129.18	-34.35	-98.25	-35.50	-97.10	8.48
		423	510.23	266.71	-0.64	98.66	167.42	-129.18	56.80	3.08	53.48	6.40	-12.94
		422	624.94	285.58	-0.60	104.87	180.11	-138.06	70.86	-0.61	63.89	6.36	-21.20
23	1	312	470.47	216.83	10.59	78.41	149.02	-96.89	57.18	-13.98	55.58	-12.39	-10.53
		427	449.71	248.44	10.59	88.80	170.23	-111.74	16.08	-50.75	12.66	-47.32	-14.73
		426	1785.26	236.94	-16.94	49.77	170.23	-111.74	269.30	20.77	140.01	150.06	-124.16
		421	1856.62	205.52	-17.13	39.37	149.02	-96.89	303.93	64.00	182.93	185.00	-119.96
23	2	312	387.78	201.93	10.39	73.04	139.28	-89.86	42.61	-13.69	42.59	-13.67	1.03
		427	459.12	231.57	10.39	82.78	159.18	-103.79	2.10	-49.39	2.09	-49.39	-0.53
		426	1793.03	220.76	-15.73	45.86	159.18	-103.79	275.71	28.08	137.21	166.59	-122.94
		421	1887.46	191.31	-15.92	36.11	139.28	-89.86	312.01	68.01	177.71	202.31	-121.38
23	3	312	401.62	178.74	8.83	64.66	122.91	-79.81	50.91	-8.17	49.52	-6.78	-8.93
		427	382.49	222.65	8.83	79.10	152.37	-100.44	11.75	-43.11	8.70	-40.06	-12.56
		426	1703.08	213.06	-13.84	46.85	152.37	-100.44	260.13	23.27	132.12	151.27	-118.04
		421	1761.70	169.40	-14.09	32.41	122.91	-79.81	293.31	64.19	172.94	184.55	-114.41
23	4	312	478.82	227.35	11.30	82.19	156.46	-101.44	57.15	-14.71	55.45	-13.02	-10.90
		427	454.04	255.20	11.30	91.35	175.15	-114.52	18.17	-49.80	14.74	-46.37	-14.87
		426	1728.31	243.10	-17.86	50.09	175.15	-114.52	258.17	18.94	135.58	141.53	-119.58
		421	1797.92	215.43	-18.04	40.93	156.46	-101.44	291.19	59.99	176.30	174.88	-115.60
23	5	312	444.74	210.30	10.07	76.07	144.31	-94.12	54.33	-14.49	53.32	-13.48	-8.29
		427	447.76	237.83	10.07	85.12	162.79	-107.06	14.40	-50.06	12.13	-47.79	-11.89
		426	1744.74	226.65	-16.67	47.20	162.79	-107.06	264.12	20.76	137.03	147.85	-121.56
		421	1821.04	199.28	-16.83	38.14	144.31	-94.12	298.17	62.22	178.22	182.17	-117.96
23	6	312	471.49	219.11	10.73	79.26	150.58	-97.89	56.97	-14.01	55.32	-12.36	-10.70
		427	448.64	249.40	10.73	89.22	170.91	-112.13	15.70	-50.91	12.13	-47.35	-14.99
		426	1786.58	237.77	-17.13	49.73	170.91	-112.13	269.33	20.68	139.85	150.16	-124.22
		421	1858.89	207.66	-17.31	39.77	150.58	-97.89	304.03	64.17	183.04	185.15	-119.92
23	7	312	451.37	211.71	10.38	76.56	145.53	-94.58	54.70	-12.91	53.18	-11.40	-10.01
		427	429.78	241.00	10.38	86.19	165.18	-108.33	15.09	-48.38	11.76	-45.05	-14.15
		426	1717.22	229.79	-16.47	48.13	165.18	-108.33	258.72	20.02	134.18	144.56	-119.24
		421	1786.43	200.68	-16.65	38.50	145.53	-94.58	292.02	61.80	175.61	178.21	-115.10
23	8	312	313.25	137.13	6.83	49.62	94.34	-61.20	39.76	-5.76	38.49	-4.49	-7.49
		427	290.22	172.41	6.83	61.22	118.02	-77.77	9.63	-32.77	6.92	-30.05	-10.38
		426	1313.27	165.04	-10.60	36.43	118.02	-77.77	200.48	17.98	101.83	116.63	-90.95
		421	1356.30	129.96	-10.79	24.83	94.34	-61.20	225.96	49.63	133.40	142.19	-88.06
23	9	312	322.42	150.75	7.32	54.51	103.56	-67.39	39.29	-9.93	38.37	-9.02	-6.64

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		427	316.44	172.51	7.32	61.67	118.16	-77.62	10.38	-35.68	8.35	-33.64	-9.47
		426	1252.96	164.52	-11.79	34.57	118.16	-77.62	189.37	14.84	98.16	106.05	-87.17
		421	1304.60	142.89	-11.92	27.42	103.56	-67.39	213.79	45.07	128.19	130.68	-84.35
23	10	312	284.14	129.59	6.34	46.87	89.06	-57.90	35.80	-6.70	35.01	-5.90	-5.76
		427	279.26	158.18	6.34	56.28	108.25	-71.34	7.96	-31.42	6.15	-29.61	-8.26
		426	1207.32	151.26	-10.06	32.95	108.25	-71.34	184.27	16.23	93.78	106.72	-83.77
		421	1251.89	122.83	-10.22	23.55	89.06	-57.90	207.89	45.17	122.64	130.43	-81.27
23	11	312	322.94	152.01	7.40	54.98	104.43	-67.95	39.17	-9.94	38.23	-9.00	-6.74
		427	315.84	173.04	7.40	61.90	118.54	-77.83	10.16	-35.76	8.05	-33.66	-9.61
		426	1253.70	164.98	-11.89	34.55	118.54	-77.83	189.39	14.79	98.07	106.11	-87.20
		421	1305.86	144.08	-12.02	27.63	104.43	-67.95	213.84	45.17	128.25	130.77	-84.33
24	1	310	1350.43	460.72	-89.16	128.80	242.75	-268.97	129.88	-44.62	97.43	-12.17	67.89
		257	1550.77	379.67	-89.64	101.99	188.04	-230.68	156.87	-76.89	130.38	-50.40	74.10
		422	936.43	432.79	-29.37	215.37	188.04	-230.68	103.44	26.32	95.78	33.99	-23.08
		176	1007.40	511.44	-26.51	242.18	242.75	-268.97	97.17	37.86	62.82	72.21	-29.28
24	2	310	1374.26	426.31	-73.72	125.03	227.56	-244.70	127.17	-59.49	90.13	-22.45	74.44
		257	1652.54	338.29	-74.26	95.91	168.12	-203.09	172.19	-88.51	140.09	-56.41	85.66
		422	815.89	380.12	-26.45	185.55	168.12	-203.09	95.11	24.29	91.76	27.64	-15.04
		176	883.62	465.90	-23.67	214.67	227.56	-244.70	79.77	23.64	41.81	61.60	-26.26
24	3	310	1288.21	467.09	-78.29	145.90	242.90	-268.34	121.47	-41.40	88.25	-8.18	65.62
		257	1486.58	395.99	-78.89	122.32	194.77	-234.66	149.56	-71.00	122.29	-43.74	72.59
		422	891.22	436.46	-33.06	208.63	194.77	-234.66	95.32	29.99	88.03	37.27	-20.57
		176	978.39	505.95	-30.84	232.21	242.90	-268.34	92.50	34.31	53.99	72.82	-27.53
24	4	310	1293.08	447.80	-88.01	120.68	239.10	-261.28	125.35	-40.64	96.45	-11.73	62.94
		257	1494.52	368.06	-88.39	94.34	185.33	-223.64	153.68	-70.99	129.75	-47.06	69.31
		422	910.09	417.50	-30.10	202.07	185.33	-223.64	101.82	24.26	94.83	31.26	-22.22
		176	972.14	495.09	-27.58	228.41	239.10	-261.28	92.74	35.37	61.53	66.58	-28.58
24	5	310	1360.79	431.57	-86.46	117.24	227.87	-253.04	133.61	-47.80	100.17	-14.36	70.34
		257	1575.87	366.14	-86.80	95.61	183.73	-222.14	160.17	-80.53	133.21	-53.57	75.92
		422	912.96	413.23	-31.29	198.21	183.73	-222.14	103.10	22.00	96.42	28.67	-22.29
		176	955.12	476.93	-29.22	219.84	227.87	-253.04	93.59	37.67	63.39	67.87	-27.87
24	6	310	1350.19	460.69	-90.31	129.34	241.04	-269.78	129.62	-44.65	96.88	-11.91	68.07
		257	1553.29	391.77	-90.73	106.54	194.50	-237.20	155.22	-77.14	128.64	-50.55	73.96
		422	943.02	442.13	-32.71	214.92	194.50	-237.20	103.06	26.54	95.16	34.43	-23.27
		176	1008.57	509.16	-30.41	237.72	241.04	-269.78	97.80	38.69	63.41	73.08	-29.16
24	7	310	1291.80	444.47	-88.65	120.73	235.09	-260.35	123.68	-41.79	92.66	-10.77	64.58
		257	1485.55	368.11	-89.04	95.49	183.58	-224.29	150.03	-72.26	124.61	-46.83	70.75
		422	898.30	420.81	-28.49	208.74	183.58	-224.29	98.70	26.48	91.49	33.69	-21.65
		176	968.43	494.89	-25.82	233.98	235.09	-260.35	92.92	36.37	59.54	69.75	-27.81
24	8	310	981.44	365.83	-60.29	115.73	189.80	-209.82	91.74	-30.70	66.68	-5.64	49.40
		257	1133.28	310.96	-60.78	97.53	152.65	-183.81	113.61	-53.20	92.90	-32.49	55.01
		422	691.71	341.62	-26.15	162.82	152.65	-183.81	73.24	24.13	67.27	30.10	-16.04
		176	764.37	395.28	-24.45	181.02	189.80	-209.82	72.07	25.93	41.05	56.96	-21.65
24	9	310	960.33	319.76	-62.32	88.67	168.77	-186.79	92.91	-32.45	69.37	-8.91	48.96
		257	1102.80	263.54	-62.63	70.08	130.83	-160.23	111.86	-55.30	92.77	-36.21	53.16
		422	652.97	300.66	-20.35	149.48	130.83	-160.23	72.59	17.84	67.55	22.89	-15.84
		176	698.29	355.21	-18.37	168.07	168.77	-186.79	67.43	26.90	44.15	50.19	-20.04
24	10	310	925.49	323.28	-56.25	98.17	168.86	-186.44	88.24	-30.66	64.27	-6.69	47.70
		257	1066.88	272.58	-56.64	81.37	134.57	-162.44	107.79	-52.02	88.28	-32.50	52.33
		422	627.24	302.69	-22.39	145.73	134.57	-162.44	68.06	19.90	63.25	24.71	-14.44
		176	681.83	352.16	-20.78	162.53	168.86	-186.44	64.77	25.00	39.24	50.53	-19.07
24	11	310	960.19	319.74	-62.95	88.97	167.82	-187.24	92.77	-32.46	69.07	-8.76	49.06
		257	1104.17	270.26	-63.24	72.60	134.42	-163.86	110.94	-55.43	91.80	-36.29	53.09
		422	656.50	305.85	-22.20	149.22	134.42	-163.86	72.37	17.97	67.21	23.14	-15.94
		176	698.94	353.95	-20.54	165.59	167.82	-187.24	67.79	27.36	44.47	50.67	-19.98
25	1	424	1069.79	393.04	4.21	143.75	253.50	-186.51	-18.72	-133.21	-22.89	-129.03	21.46
		311	1169.08	405.88	4.22	147.97	262.13	-192.55	-12.13	-142.39	-20.75	-133.76	32.39
		420	667.05	399.23	-8.28	128.83	262.13	-192.55	47.09	-35.97	39.71	-28.59	-23.62
		423	749.22	386.38	-8.28	124.60	253.50	-186.51	53.08	-39.37	37.57	-23.86	-34.55
25	2	424	1058.94	344.78	8.88	133.49	220.17	-162.26	-20.21	-140.04	-24.48	-135.76	22.23
		311	1150.14	354.32	8.89	136.63	226.58	-166.75	-10.85	-147.46	-19.72	-138.59	33.67
		420	575.25	344.74	-8.77	109.39	226.58	-166.75	38.39	-46.13	34.63	-42.37	-17.42
		423	651.38	335.17	-8.77	106.24	220.17	-162.26	40.31	-49.98	29.87	-39.55	-28.87
25	3	424	1000.33	409.61	20.56	172.42	257.76	-189.79	-23.85	-122.34	-27.56	-118.63	18.74
		311	1110.94	441.75	20.69	183.02	279.41	-204.94	-17.09	-130.40	-25.29	-122.19	29.37
		420	639.34	423.16	-12.77	130.98	279.41	-204.94	39.80	-30.29	32.90	-23.38	-20.89
		423	707.24	390.91	-12.77	120.38	257.76	-189.79	45.77	-34.96	30.63	-19.81	-31.51
25	4	424	980.18	357.25	13.98	140.98	230.26	-165.73	-13.98	-124.20	-16.58	-121.60	16.73
		311	1056.15	351.88	13.97	139.21	226.64	-163.20	-6.15	-131.47	-12.56	-125.06	27.62
		420	626.08	340.51	-7.25	106.62	226.64	-163.20	48.30	-37.09	40.96	-29.75	-23.94
		423	715.19	345.90	-7.25	108.39	230.26	-165.73	52.37	-41.71	36.94	-26.29	-34.83
25	5	424	1050.89	350.25	18.21	143.73	224.73	-161.00	-18.49	-138.15	-22.58	-134.06	21.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		311	1137.40	349.13	18.21	143.37	223.98	-160.48	-9.97	-146.65	-18.75	-137.87	33.51
		420	611.02	335.16	-7.64	103.55	223.98	-160.48	47.24	-39.08	41.04	-32.88	-22.28
		423	702.63	336.28	-7.64	103.92	224.73	-161.00	51.60	-43.46	37.21	-29.07	-34.07
25	6	424	1064.25	390.00	14.15	152.86	251.29	-181.36	-20.10	-133.87	-24.50	-129.47	21.95
		311	1154.19	391.40	14.16	153.32	252.23	-182.02	-12.83	-143.10	-21.95	-133.98	33.24
		420	642.40	379.50	-8.09	119.18	252.23	-182.02	46.61	-34.71	39.31	-27.42	-23.24
		423	736.47	378.10	-8.09	118.72	251.29	-181.36	52.56	-38.70	36.76	-22.90	-34.53
25	7	424	1012.48	376.66	3.77	136.58	243.86	-178.56	-17.56	-125.28	-21.38	-121.45	19.93
		311	1105.26	386.88	3.78	139.94	250.72	-183.36	-10.88	-133.82	-18.93	-125.78	30.41
		420	635.28	381.10	-7.15	123.23	250.72	-183.36	44.73	-33.96	37.59	-26.83	-22.60
		423	715.23	370.88	-7.15	119.87	243.86	-178.56	50.19	-37.55	35.14	-22.50	-33.07
25	8	424	762.84	322.27	16.94	136.79	202.43	-149.09	-18.55	-92.07	-21.26	-89.36	13.85
		311	849.15	348.68	17.05	145.50	220.22	-161.55	-13.44	-98.22	-19.56	-92.10	21.94
		420	500.40	333.44	-10.29	102.93	220.22	-161.55	30.51	-22.44	24.81	-16.74	-16.41
		423	551.02	306.93	-10.29	94.21	202.43	-149.09	35.28	-26.17	23.11	-14.00	-24.49
25	9	424	757.51	271.90	3.13	99.64	175.39	-128.94	-13.45	-95.31	-16.50	-92.25	15.51
		311	827.28	280.70	3.14	102.54	181.30	-133.07	-8.65	-101.75	-14.90	-95.49	23.31
		420	461.84	276.01	-5.69	89.02	181.30	-133.07	32.82	-25.88	28.00	-21.06	-16.11
		423	519.94	267.20	-5.69	86.12	175.39	-128.94	36.85	-28.28	26.40	-17.83	-23.91
25	10	424	718.52	281.07	12.26	115.57	177.76	-130.76	-16.30	-89.27	-19.10	-86.48	14.00
		311	794.54	300.59	12.32	122.01	190.90	-139.96	-11.40	-95.09	-17.43	-89.06	21.63
		420	445.16	289.30	-8.18	90.22	190.90	-139.96	28.75	-22.71	24.21	-18.17	-14.59
		423	495.84	269.71	-8.18	83.77	177.76	-130.76	32.76	-25.80	22.55	-15.58	-22.22
25	11	424	754.40	270.21	8.66	104.70	174.16	-126.08	-14.22	-95.68	-17.40	-92.50	15.78
		311	818.99	272.65	8.66	105.51	175.80	-127.23	-9.04	-102.14	-15.57	-95.61	23.78
		420	448.16	265.04	-5.58	83.66	175.80	-127.23	32.55	-25.18	27.78	-20.41	-15.90
		423	512.76	262.60	-5.58	82.85	174.16	-126.08	36.56	-27.90	25.95	-17.30	-23.90
26	1	427	536.64	253.86	17.52	78.88	192.49	-103.62	26.21	-47.96	25.89	-47.64	-4.83
		254	576.77	284.10	17.68	88.88	212.90	-117.90	-48.83	-79.85	-55.59	-73.08	-12.80
		430	1426.00	269.74	-31.62	25.23	212.90	-117.90	234.23	130.45	187.17	177.51	-51.66
		426	1656.19	240.22	-32.49	15.23	192.49	-103.62	290.46	181.14	268.65	202.95	-43.69
26	2	427	540.67	237.03	19.30	75.97	180.36	-95.53	2.00	-59.60	1.95	-59.56	1.73
		254	639.68	249.04	19.37	79.94	188.47	-101.21	-74.69	-81.65	-74.75	-81.59	-0.61
		430	1419.58	235.69	-28.43	18.80	188.47	-101.21	236.56	144.06	186.09	194.53	-46.05
		426	1658.81	224.00	-28.81	14.83	180.36	-95.53	289.12	190.23	262.79	216.57	-43.71
26	3	427	460.22	229.27	25.25	81.90	172.62	-91.37	23.77	-38.56	23.74	-38.53	-1.41
		254	501.39	220.74	25.22	79.09	166.88	-87.35	-49.59	-71.30	-56.61	-64.28	-10.15
		430	1333.00	206.69	-24.77	15.04	166.88	-87.35	225.58	128.79	177.28	177.09	-48.39
		426	1590.11	214.98	-24.50	17.85	172.62	-91.37	278.43	182.04	257.63	202.84	-39.65
26	4	427	539.11	260.70	17.88	80.43	198.15	-106.19	27.10	-47.60	26.62	-47.13	-5.94
		254	567.31	289.42	18.04	89.93	217.53	-119.76	-44.29	-77.92	-51.00	-71.22	-13.44
		430	1379.83	274.75	-33.10	24.13	217.53	-119.76	225.01	123.80	180.89	167.92	-50.19
		426	1598.20	246.73	-33.95	14.63	198.15	-106.19	279.37	171.15	258.51	192.01	-42.69
26	5	427	533.56	242.93	16.12	75.46	183.59	-99.69	22.33	-50.58	22.12	-50.38	-3.87
		254	579.71	274.71	16.28	85.97	205.02	-114.69	-51.13	-79.13	-55.75	-74.51	-10.39
		430	1393.98	260.61	-31.60	23.99	205.02	-114.69	229.35	128.16	183.19	174.32	-50.40
		426	1615.18	229.58	-32.50	13.48	183.59	-99.69	283.67	175.85	261.06	198.45	-43.89
26	6	427	536.19	254.58	16.08	77.37	193.30	-104.22	25.70	-48.08	25.34	-47.71	-5.15
		254	581.59	291.56	16.28	89.59	218.25	-121.68	-49.01	-80.07	-56.08	-73.00	-13.03
		430	1432.92	277.38	-32.18	26.95	218.25	-121.68	234.23	130.63	187.05	177.81	-51.59
		426	1656.38	241.24	-33.22	14.72	193.30	-104.22	290.36	181.19	268.47	203.09	-43.71
26	7	427	514.20	246.01	15.69	74.94	186.77	-100.68	24.78	-45.63	24.47	-45.32	-4.66
		254	557.83	280.80	15.88	86.44	210.24	-117.11	-47.20	-76.52	-53.97	-69.74	-12.36
		430	1376.99	267.11	-30.90	25.98	210.24	-117.11	224.96	125.75	179.60	171.11	-49.42
		426	1592.48	233.13	-31.88	14.48	186.77	-100.68	278.92	174.66	258.04	195.54	-41.72
26	8	427	349.55	177.68	20.30	64.16	133.81	-70.56	19.35	-28.28	19.32	-28.24	-1.29
		254	379.30	168.18	20.27	61.03	127.42	-66.09	-36.94	-54.58	-43.16	-48.36	-8.43
		430	1026.31	157.28	-18.82	11.04	127.42	-66.09	174.00	99.14	136.58	136.56	-37.43
		426	1227.57	166.50	-18.51	14.17	133.81	-70.56	214.84	140.90	199.06	156.68	-30.29
26	9	427	377.69	176.25	12.05	54.78	133.53	-72.04	17.14	-34.54	16.98	-34.38	-2.90
		254	409.19	197.83	12.16	61.91	148.08	-82.23	-35.79	-56.18	-39.88	-52.08	-8.17
		430	1000.56	187.82	-22.08	17.66	148.08	-82.23	164.49	92.14	131.36	125.27	-36.04
		426	1161.75	166.75	-22.70	10.53	133.53	-72.04	203.79	127.40	188.21	142.97	-30.77
26	10	427	335.31	162.59	16.35	56.46	122.49	-65.24	15.80	-29.34	15.78	-29.32	-1.00
		254	366.87	162.63	16.35	56.47	122.52	-65.26	-36.32	-51.31	-40.44	-47.19	-6.69
		430	948.90	152.77	-18.26	12.00	122.52	-65.26	159.68	91.22	125.86	125.04	-34.23
		426	1124.99	152.73	-18.26	11.98	122.49	-65.24	197.11	127.89	182.09	142.91	-28.53
26	11	427	377.44	176.66	11.25	53.94	133.97	-72.38	16.85	-34.60	16.67	-34.42	-3.08
		254	411.91	201.98	11.39	62.31	151.06	-84.34	-35.89	-56.29	-40.15	-52.03	-8.29
		430	1004.40	192.06	-22.39	18.62	151.06	-84.34	164.49	92.24	131.29	125.44	-36.00
		426	1161.86	167.32	-23.11	10.24	133.97	-72.38	203.73	127.43	188.11	143.05	-30.79
27	1	254	810.61	301.63	21.78	74.82	248.59	-109.68	60.12	-50.26	54.29	-44.42	24.70

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		310	1617.14	508.29	24.85	143.79	389.35	-208.22	176.32	-54.02	129.21	-6.91	92.91
		176	1474.96	479.14	-93.49	-3.70	389.35	-208.22	251.51	167.45	216.95	202.01	41.36
		430	1179.45	282.47	-106.55	-72.68	248.59	-109.68	182.36	124.16	142.02	164.51	-26.84
27	2	254	884.70	261.22	12.33	62.74	210.81	-100.03	63.32	-64.21	48.46	-49.35	40.91
		310	1852.04	464.51	14.65	130.36	348.81	-196.63	207.05	-73.08	139.81	-5.84	119.64
		176	1572.77	437.22	-88.47	-0.06	348.81	-196.63	285.43	166.12	231.44	220.11	59.38
		430	1170.25	243.01	-99.88	-67.68	210.81	-100.03	184.94	131.75	140.09	176.60	-19.34
27	3	254	719.68	225.30	-3.44	55.64	166.22	-100.11	59.80	-43.42	51.55	-35.17	28.00
		310	1585.50	498.29	-2.69	145.66	349.95	-228.72	170.76	-50.88	120.58	-0.71	92.75
		176	1432.77	467.74	-94.14	23.66	349.95	-228.72	246.09	161.90	207.43	200.56	41.96
		430	1102.65	203.38	-103.52	-66.37	166.22	-100.11	178.92	125.57	138.39	166.10	-22.80
27	4	254	794.95	306.74	22.81	77.90	251.65	-112.28	58.87	-48.49	54.10	-43.71	22.14
		310	1553.61	495.75	25.54	140.96	380.34	-202.36	169.85	-50.59	126.57	-7.32	87.56
		176	1410.41	466.15	-96.83	-11.02	380.34	-202.36	240.44	160.69	209.66	191.47	38.82
		430	1137.90	286.61	-109.03	-74.07	251.65	-112.28	174.20	118.06	137.18	155.08	-26.61
27	5	254	818.58	291.95	23.90	76.32	239.54	-106.32	60.49	-53.06	53.74	-46.31	26.84
		310	1622.04	477.61	26.48	138.22	365.86	-194.75	179.15	-57.37	130.80	-9.03	95.38
		176	1440.78	448.70	-91.96	-9.12	365.86	-194.75	249.91	163.42	215.65	197.69	42.30
		430	1147.87	272.45	-103.92	-71.01	239.54	-106.32	177.91	121.08	138.58	160.40	-26.23
27	6	254	815.37	311.24	25.16	77.22	259.19	-110.37	59.88	-49.96	54.06	-44.14	24.60
		310	1612.51	509.18	28.57	143.43	394.32	-204.96	176.16	-53.69	129.10	-6.63	92.75
		176	1477.42	480.52	-93.02	-6.82	394.32	-204.96	251.26	167.50	216.52	202.25	41.27
		430	1188.25	292.51	-106.36	-73.04	259.19	-110.37	182.40	123.82	141.48	164.74	-26.88
27	7	254	781.15	299.63	24.11	74.42	249.32	-106.44	57.34	-47.64	51.73	-42.02	23.62
		310	1550.98	492.87	27.38	139.05	381.21	-198.77	169.36	-51.18	123.87	-5.69	89.24
		176	1424.02	465.11	-89.70	-5.80	381.21	-198.77	242.24	160.87	208.20	194.91	40.14
		430	1142.07	281.51	-102.62	-70.43	249.32	-106.44	175.18	119.47	136.06	158.58	-25.48
27	8	254	543.76	170.96	-4.69	41.67	124.61	-77.42	45.73	-32.10	39.66	-26.03	20.87
		310	1211.63	389.03	-4.20	113.54	271.29	-180.10	129.90	-37.82	91.82	0.27	70.27
		176	1104.53	365.36	-73.52	20.55	271.29	-180.10	188.60	125.11	158.98	154.73	31.67
		430	849.98	153.82	-80.55	-51.33	124.61	-77.42	138.38	96.87	106.82	128.43	-17.72
27	9	254	576.18	210.10	15.57	52.67	173.00	-76.43	42.72	-36.27	38.14	-31.68	18.47
		310	1150.07	353.11	17.66	100.39	270.38	-144.59	125.84	-39.31	91.68	-5.15	66.89
		176	1038.51	332.68	-65.21	-2.91	270.38	-144.59	178.35	117.38	153.31	142.42	30.00
		430	826.69	196.62	-74.25	-50.63	173.00	-76.43	127.95	87.72	99.77	115.90	-18.43
27	10	254	525.51	167.52	1.73	42.02	127.24	-71.11	42.57	-32.50	36.61	-26.54	20.30
		310	1132.27	347.40	2.51	101.43	248.49	-155.98	122.75	-37.57	86.88	-1.71	66.81
		176	1014.88	326.04	-65.26	12.29	248.49	-155.98	175.32	114.32	148.02	141.62	30.33
		430	784.04	152.56	-72.44	-47.12	127.24	-71.11	126.04	88.50	97.76	116.78	-16.19
27	11	254	578.80	215.43	17.46	54.00	178.88	-76.80	42.59	-36.10	38.01	-31.53	18.41
		310	1147.48	353.59	19.74	100.19	273.14	-142.78	125.75	-39.13	91.61	-4.99	66.80
		176	1039.88	333.44	-64.94	-4.64	273.14	-142.78	178.22	117.41	153.07	142.55	29.94
		430	831.58	202.20	-74.14	-50.83	178.88	-76.80	127.97	87.53	99.47	116.02	-18.45
28	1	104	1065.78	386.35	-12.33	110.69	263.33	-184.15	141.79	77.67	83.04	136.42	-17.75
		105	1177.09	416.87	-12.31	120.73	283.83	-198.49	146.45	48.86	70.27	125.04	-40.38
		424	502.59	425.33	5.40	146.91	283.83	-198.49	-0.51	-27.86	-25.44	-2.93	-7.76
		257	519.12	394.80	5.40	136.87	263.33	-184.15	16.13	-20.36	-12.68	8.45	14.87
28	2	104	1053.23	342.30	-13.99	103.16	225.15	-167.38	147.76	80.30	85.57	142.49	-18.10
		105	1173.40	384.15	-13.99	116.92	253.23	-187.04	151.18	47.42	68.85	129.75	-42.00
		424	503.43	392.57	2.16	141.50	253.23	-187.04	9.00	-23.30	-20.62	6.32	-8.91
		257	465.81	350.77	2.12	127.74	225.15	-167.38	26.45	-11.30	-3.90	19.05	14.99
28	3	104	1005.02	393.72	-24.11	125.40	244.21	-200.29	135.49	65.82	66.62	134.70	-7.38
		105	1168.11	494.46	-24.03	158.55	311.88	-247.65	130.39	33.92	45.58	118.73	-31.45
		424	659.46	507.36	-1.87	193.61	311.88	-247.65	18.09	-31.23	-29.52	16.39	-9.01
		257	538.57	406.96	-2.29	160.46	244.21	-200.29	37.31	-13.44	-8.49	32.35	15.06
28	4	104	1012.32	329.24	-17.90	91.02	220.31	-161.08	140.29	81.68	89.80	132.17	-20.24
		105	1138.08	375.80	-17.89	106.34	251.57	-182.96	146.81	51.82	77.59	121.05	-42.23
		424	478.16	388.18	6.53	143.13	251.57	-182.96	2.42	-22.58	-16.15	-4.01	-10.92
		257	427.58	341.65	6.48	127.82	220.31	-161.08	13.96	-10.78	-3.93	7.12	11.07
28	5	104	1021.16	314.54	-18.49	90.70	205.35	-156.34	145.95	84.37	90.26	140.06	-18.11
		105	1166.76	379.84	-18.49	112.18	249.17	-187.02	151.33	51.68	75.66	127.36	-42.60
		424	459.25	392.45	5.07	148.35	249.17	-187.02	-4.57	-28.67	-25.13	-8.10	-8.53
		257	473.91	327.30	4.92	126.87	205.35	-156.34	14.69	-20.63	-10.53	4.60	15.96
28	6	104	1045.96	366.15	-15.21	106.97	243.97	-177.95	142.02	77.31	82.19	137.14	-17.09
		105	1179.51	416.17	-15.21	123.42	277.54	-201.45	145.95	45.31	66.63	124.63	-41.13
		424	495.91	426.94	5.90	155.30	277.54	-201.45	-2.43	-29.96	-27.91	-4.48	-7.24
		257	524.47	376.96	5.86	138.85	243.97	-177.95	17.48	-21.81	-12.35	8.03	16.80
28	7	104	1030.15	364.17	-12.92	100.77	250.47	-173.05	138.21	75.56	81.24	132.54	-17.99
		105	1135.00	391.87	-12.90	109.89	269.08	-186.08	143.07	48.25	69.45	121.87	-39.50
		424	482.08	400.83	6.26	138.01	269.08	-186.08	1.33	-25.47	-22.80	-1.33	-8.02
		257	481.19	373.10	6.26	128.89	250.47	-173.05	16.07	-17.74	-11.01	9.33	13.50
28	8	104	773.38	310.26	-19.50	99.72	191.03	-158.43	103.55	49.21	49.68	103.08	-5.01

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		105	902.78	392.69	-19.43	126.85	246.41	-197.20	98.93	24.78	33.11	90.60	-23.41
		424	527.77	402.94	-2.01	154.52	246.41	-197.20	15.92	-23.94	-22.61	14.60	-7.15
		257	419.68	320.81	-2.39	127.39	191.03	-158.43	30.54	-9.51	-6.05	27.08	11.26
28	9	104	749.32	265.78	-8.85	75.74	181.20	-126.79	100.79	55.39	59.11	97.07	-12.45
		105	828.38	287.97	-8.84	83.03	196.09	-137.22	104.04	34.63	49.81	88.86	-28.69
		424	347.72	294.03	3.84	101.78	196.09	-137.22	-0.75	-20.01	-18.35	-2.41	-5.40
		257	363.52	271.84	3.84	94.48	181.20	-126.79	11.51	-14.76	-9.05	5.80	10.83
28	10	104	715.32	269.75	-15.27	83.91	170.57	-135.76	97.06	49.04	49.99	96.11	-6.69
		105	822.88	330.97	-15.25	104.05	211.67	-164.53	94.92	26.52	36.09	85.35	-23.73
		424	434.46	339.50	-0.10	127.72	211.67	-164.53	9.55	-21.86	-20.62	8.32	-6.10
		257	372.05	278.44	-0.29	107.58	170.57	-135.76	23.09	-10.74	-6.73	19.08	10.94
28	11	104	738.34	254.56	-10.45	73.67	170.44	-123.35	100.92	55.19	58.64	97.47	-22.10
		105	829.69	287.57	-10.44	84.53	192.60	-138.86	103.76	32.66	47.79	88.63	-29.10
		424	344.03	294.91	4.13	106.44	192.60	-138.86	-1.81	-21.18	-19.72	-3.28	-5.12
		257	366.53	261.91	4.10	95.58	170.44	-123.35	12.27	-15.58	-8.87	5.56	11.90
29	1	419	647.58	321.01	8.46	109.00	220.47	-146.00	34.82	-55.07	19.66	-39.91	-33.66
		106	706.01	359.04	8.46	121.51	246.00	-163.87	35.13	-53.62	12.92	-31.41	-38.45
		427	818.18	352.00	-7.31	98.70	246.00	-163.87	10.45	-80.27	7.71	-77.53	15.52
		312	870.84	314.02	-7.37	86.19	220.47	-146.00	18.41	-89.98	14.46	-86.03	20.31
29	2	419	676.94	282.94	4.51	95.58	191.87	-130.63	42.55	-55.74	23.89	-37.09	-38.54
		106	737.64	311.66	4.51	105.03	211.14	-144.12	48.98	-50.50	22.74	-24.26	-43.84
		427	946.30	306.57	-6.52	88.91	211.14	-144.12	1.20	-111.43	-5.63	-104.60	26.89
		312	1016.84	277.87	-6.54	79.46	191.87	-130.63	4.04	-125.95	-4.48	-117.43	32.18
29	3	419	565.87	203.01	-2.83	66.86	133.32	-97.41	35.47	-47.30	15.27	-27.10	-35.55
		106	605.69	244.75	-2.82	80.59	161.34	-117.02	40.49	-39.52	16.01	-15.04	-36.87
		427	641.39	244.52	-3.27	79.91	161.34	-117.02	9.62	-66.96	5.71	-63.05	16.85
		312	670.02	202.78	-3.28	66.18	133.32	-97.41	8.90	-79.04	4.97	-75.10	18.17
29	4	419	685.54	335.25	8.19	113.80	229.65	-152.93	39.18	-55.30	22.66	-38.78	-35.89
		106	736.04	364.96	8.19	123.57	249.59	-166.88	40.08	-53.24	16.81	-29.96	-40.38
		427	816.08	357.82	-7.72	100.51	249.59	-166.88	12.28	-79.24	10.25	-77.21	13.48
		312	874.37	328.15	-7.76	90.74	229.65	-152.93	19.16	-89.09	16.09	-86.02	17.97
29	5	419	647.80	310.36	8.32	105.31	213.36	-141.03	35.45	-57.33	20.80	-42.68	-33.83
		106	702.36	344.00	8.32	116.38	235.94	-156.84	36.01	-55.63	14.27	-33.89	-38.98
		427	847.88	337.31	-6.71	94.66	235.94	-156.84	9.19	-88.07	6.02	-84.90	17.28
		312	907.18	303.72	-6.76	83.59	213.36	-141.03	17.09	-98.23	12.55	-93.69	22.43
29	6	419	641.13	334.39	10.18	113.89	230.68	-151.22	33.13	-54.34	18.88	-40.10	-32.30
		106	705.47	373.93	10.18	126.90	257.22	-169.80	32.59	-54.15	10.84	-32.40	-37.60
		427	826.54	365.94	-7.99	100.73	257.22	-169.80	9.83	-79.53	7.10	-76.81	15.36
		312	879.65	326.47	-8.06	87.73	230.68	-151.22	19.27	-88.62	15.15	-84.51	20.66
29	7	419	635.10	319.96	9.29	108.88	220.37	-144.99	33.98	-52.34	18.42	-36.78	-33.18
		106	695.94	357.26	9.29	121.14	245.40	-162.51	34.36	-51.48	11.48	-28.61	-37.95
		427	788.36	349.80	-7.58	96.81	245.40	-162.51	9.67	-75.66	7.07	-73.06	14.66
		312	840.09	312.57	-7.65	84.55	220.37	-144.99	17.81	-85.04	14.00	-81.23	19.43
29	8	419	433.19	151.31	-2.94	49.64	98.72	-73.12	27.58	-35.74	11.39	-19.54	-27.63
		106	462.92	184.21	-2.94	60.46	120.80	-88.58	31.59	-29.38	12.33	-10.12	-28.34
		427	474.74	184.48	-2.42	61.26	120.80	-88.58	7.81	-48.79	4.93	-45.91	12.43
		312	494.11	151.58	-2.42	50.44	98.72	-73.12	6.77	-58.12	3.99	-55.34	13.15
29	9	419	454.56	222.93	5.91	75.68	153.15	-101.36	24.53	-39.06	13.88	-28.41	-23.74
		106	495.57	249.37	5.91	84.38	170.90	-113.79	24.95	-37.87	9.32	-22.25	-27.16
		427	583.83	244.50	-5.02	68.58	170.90	-113.79	6.83	-58.42	4.68	-56.27	11.65
		312	621.73	218.09	-5.06	59.88	153.15	-101.36	12.28	-65.48	9.24	-62.43	15.07
29	10	419	408.97	157.36	-0.35	52.27	104.74	-74.37	24.78	-34.63	11.44	-21.30	-24.79
		106	439.72	185.87	-0.35	61.65	123.87	-87.76	27.88	-29.99	11.04	-13.15	-26.28
		427	485.51	184.71	-2.71	58.14	123.87	-87.76	6.38	-51.03	3.56	-48.22	12.39
		312	510.20	156.21	-2.71	48.77	104.74	-74.37	7.01	-59.40	3.97	-56.36	13.88
29	11	419	450.93	230.36	6.86	78.40	158.82	-104.27	23.59	-38.65	13.45	-28.52	-22.98
		106	495.22	257.65	6.86	87.37	177.14	-117.08	23.54	-38.17	8.17	-22.79	-26.69
		427	588.48	252.24	-5.40	69.71	177.14	-117.08	6.48	-58.01	4.34	-55.87	11.56
		312	626.62	225.00	-5.45	60.74	158.82	-104.27	12.76	-64.72	9.62	-61.59	15.27
30	1	304	1232.93	397.23	-1.25	100.09	295.89	-173.53	215.78	119.26	166.54	168.50	48.25
		104	1039.67	390.56	-1.30	97.88	291.39	-170.37	126.80	38.31	45.66	119.44	-24.43
		257	645.54	397.42	17.64	123.68	291.39	-170.37	37.87	-20.47	27.97	-10.57	21.90
		310	1513.25	404.11	17.66	125.89	295.89	-173.53	203.17	-15.83	148.85	38.49	94.58
30	2	304	1249.22	339.87	3.20	93.05	250.02	-148.92	220.45	129.47	173.46	176.46	45.46
		104	1065.39	346.28	3.22	95.16	254.34	-151.95	135.10	28.29	38.75	124.64	-31.74
		257	581.10	352.72	19.67	118.05	254.34	-151.95	38.84	-16.94	30.77	-8.86	19.63
		310	1536.40	346.30	19.66	115.94	250.02	-148.92	218.80	-10.36	165.48	42.96	96.83
30	3	304	1184.00	339.79	15.69	111.90	243.58	-148.07	209.24	110.76	149.99	170.02	48.21
		104	1061.70	400.60	15.75	131.91	284.43	-176.67	121.73	6.43	12.55	115.61	-25.86
		257	532.06	406.09	27.88	149.54	284.43	-176.67	28.84	-6.49	19.14	3.21	15.77
		310	1414.19	345.23	27.88	129.53	243.58	-148.07	209.65	4.53	156.57	57.62	89.84
30	4	304	1214.16	387.39	-0.15	89.41	297.82	-163.36	210.03	122.72	168.64	164.12	43.60

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		104	985.96	337.38	-0.84	72.74	263.80	-139.55	126.35	43.98	53.74	116.59	-26.61
		257	575.60	345.56	25.64	107.41	263.80	-139.55	39.11	-18.07	33.21	-12.17	17.40
		310	1442.78	395.98	25.93	124.08	297.82	-163.36	195.91	-12.44	148.11	35.36	87.61
30	5	304	1263.95	373.06	2.41	87.29	288.18	-155.75	223.45	123.19	174.15	172.49	50.13
		104	989.04	323.04	1.68	70.60	254.12	-131.91	130.13	44.66	52.35	122.43	-24.47
		257	605.97	331.32	28.73	105.92	254.12	-131.91	39.97	-24.30	30.16	-14.49	23.11
		310	1529.36	381.77	29.01	122.61	288.18	-155.75	207.49	-19.95	151.96	35.58	97.71
30	6	304	1230.09	407.89	0.06	99.00	308.94	-174.82	213.91	117.41	164.22	167.10	48.23
		104	1019.52	372.17	-0.30	87.14	284.73	-157.87	126.05	38.28	45.29	119.04	-23.80
		257	631.99	380.84	25.39	121.50	284.73	-157.87	37.38	-21.82	26.35	-10.80	23.05
		310	1510.47	416.78	25.52	133.36	308.94	-174.82	200.61	-18.07	145.28	37.26	95.07
30	7	304	1197.38	390.71	-3.59	92.07	295.06	-169.02	208.12	116.71	161.01	163.82	45.68
		104	1006.38	369.05	-3.80	84.87	280.38	-158.74	124.18	38.94	46.29	116.83	-23.92
		257	605.56	376.39	17.91	113.92	280.38	-158.74	36.40	-18.05	27.47	-9.12	20.17
		310	1446.50	398.17	18.00	121.11	295.06	-169.02	193.85	-13.80	142.18	37.87	89.77
30	8	304	904.43	262.98	13.09	88.76	187.31	-114.82	159.34	84.24	113.23	130.35	36.56
		104	825.27	315.71	13.12	106.11	222.72	-139.61	92.98	2.02	6.74	88.25	-20.19
		257	402.27	319.90	22.17	119.36	222.72	-139.61	21.05	-3.38	13.83	3.84	11.14
		310	1074.91	267.14	22.17	102.01	187.31	-114.82	160.55	5.72	120.32	45.94	67.90
30	9	304	875.93	275.16	-0.81	68.67	205.68	-119.78	154.04	84.72	118.78	119.98	34.65
		104	730.34	268.94	-0.86	66.61	201.48	-116.84	90.18	27.62	32.72	85.07	-17.12
		257	454.80	273.73	12.54	84.80	201.48	-116.84	27.30	-14.96	20.01	-7.67	15.96
		310	1075.97	279.97	12.56	86.86	205.68	-119.78	145.02	-11.72	106.07	27.23	67.74
30	10	304	848.75	243.10	8.75	75.23	176.62	-105.64	150.28	80.12	109.58	120.82	34.63
		104	741.15	274.31	8.82	85.52	197.61	-120.33	87.34	9.93	14.33	82.94	-17.92
		257	390.28	278.40	18.38	99.16	197.61	-120.33	22.20	-7.11	15.11	-0.02	12.55
		310	1020.30	247.13	18.36	88.88	176.62	-105.64	148.62	-0.40	110.36	37.86	65.10
30	11	304	874.29	281.09	-0.09	68.07	212.93	-120.50	152.99	83.69	117.49	119.20	34.64
		104	719.21	258.74	-0.32	60.64	197.78	-109.89	89.76	27.60	32.52	84.85	-16.77
		257	447.25	264.52	16.84	83.58	197.78	-109.89	27.03	-15.71	19.12	-7.80	16.60
		310	1074.34	287.01	16.93	91.01	212.93	-120.50	143.60	-12.96	104.08	26.55	68.01
31	1	105	1197.68	416.07	-15.76	115.31	285.00	-198.55	144.31	32.89	56.72	120.48	-45.68
		418	1307.56	442.28	-15.74	123.94	302.60	-210.87	156.18	27.42	55.77	127.84	-53.35
		311	587.71	452.04	5.05	154.49	302.60	-210.87	41.35	11.39	11.57	41.17	2.33
		424	486.44	425.82	5.05	145.87	285.00	-198.55	37.77	8.56	12.52	33.81	10.00
31	2	105	1179.22	383.69	-16.55	107.36	259.78	-185.04	147.62	35.03	57.72	124.93	-45.16
		418	1296.29	421.95	-16.53	119.95	285.47	-203.02	158.75	29.49	56.47	131.77	-52.53
		311	618.79	430.82	1.91	147.26	285.47	-203.02	50.14	15.19	15.20	50.14	0.21
		424	511.45	392.56	1.90	134.68	259.78	-185.04	45.29	14.46	16.45	43.30	7.58
31	3	105	1171.09	494.09	-25.64	139.43	329.02	-241.95	126.67	26.14	38.40	114.41	-32.90
		418	1322.59	584.12	-25.63	169.04	389.46	-284.26	135.02	21.39	36.68	119.73	-38.78
		311	794.73	595.52	-2.66	203.40	389.46	-284.26	57.64	6.21	6.39	57.45	3.11
		424	651.67	505.51	-2.69	173.79	329.02	-241.95	53.89	6.35	8.12	52.13	8.99
31	4	105	1164.56	373.60	-29.03	90.01	254.56	-183.74	144.20	32.39	62.07	114.52	-49.37
		418	1284.74	418.22	-28.98	104.70	284.54	-204.72	156.34	30.87	64.14	123.07	-55.38
		311	579.40	433.58	3.33	152.37	284.54	-204.72	38.30	19.26	19.39	38.16	-1.60
		424	463.61	388.93	3.32	137.68	254.56	-183.74	31.03	15.90	17.32	29.61	4.42
31	5	105	1200.93	376.65	-33.33	88.07	255.25	-187.17	149.29	31.43	59.87	120.86	-50.43
		418	1338.42	433.31	-33.27	106.72	293.32	-213.82	162.80	31.05	62.92	130.94	-56.42
		311	567.60	450.23	1.95	158.87	293.32	-213.82	39.22	14.44	14.84	38.82	3.11
		424	435.77	393.54	1.92	140.22	255.25	-187.17	32.71	7.83	11.79	28.74	9.11
31	6	105	1206.80	413.23	-28.41	103.88	280.94	-202.30	144.33	30.00	54.33	120.00	-46.79
		418	1336.34	463.09	-28.36	120.29	314.43	-225.74	157.07	28.28	56.13	129.23	-53.02
		311	599.03	478.13	3.12	166.81	314.43	-225.74	41.94	10.44	11.06	41.32	4.38
		424	476.19	428.23	3.10	150.40	280.94	-202.30	36.27	5.09	9.26	32.10	10.61
31	7	105	1155.57	390.90	-16.89	105.19	268.83	-186.76	140.85	31.96	55.74	117.07	-44.99
		418	1256.47	411.89	-16.87	112.09	282.93	-196.63	152.34	27.12	55.20	124.26	-52.23
		311	563.67	422.38	5.69	145.14	282.93	-196.63	40.63	12.10	12.15	40.58	1.17
		424	470.36	401.38	5.69	138.23	268.83	-186.76	36.38	9.70	12.68	33.39	8.41
31	8	105	903.63	392.42	-20.33	111.32	260.78	-192.37	95.91	19.33	27.99	87.24	-24.26
		418	1022.79	466.63	-20.32	135.72	310.58	-227.24	101.99	15.80	26.64	91.15	-28.57
		311	635.55	475.46	-2.60	162.27	310.58	-227.24	45.81	4.58	4.70	45.69	2.24
		424	522.56	401.27	-2.63	137.86	260.78	-192.37	42.95	4.89	6.06	41.78	6.56
31	9	105	842.89	287.36	-11.47	78.96	196.93	-137.28	102.54	23.42	40.30	85.66	-32.42
		418	921.04	305.81	-11.45	85.03	209.32	-145.95	111.01	19.48	39.60	90.89	-37.90
		311	407.93	312.85	3.57	107.10	209.32	-145.95	29.18	7.88	8.04	29.02	1.80
		424	336.29	294.39	3.57	101.03	196.93	-137.28	26.74	5.78	8.73	23.80	7.29
31	10	105	827.70	330.69	-16.94	92.36	221.39	-161.39	92.55	19.86	30.12	82.29	-25.31
		418	929.07	384.59	-16.93	110.09	257.57	-186.72	99.06	16.32	29.00	86.38	-29.80
		311	522.81	392.56	-0.71	134.27	257.57	-186.72	38.22	5.01	5.16	38.07	2.23
		424	427.77	338.66	-0.73	116.54	221.39	-161.39	35.52	4.74	6.28	33.97	6.72
31	11	105	847.91	285.78	-18.50	72.61	194.68	-139.36	102.55	21.81	38.97	85.39	-33.03

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		418	937.03	317.37	-18.47	83.01	215.90	-154.22	111.50	19.96	39.80	91.66	-37.72
		311	414.22	327.34	2.50	113.94	215.90	-154.22	29.51	7.36	7.75	29.11	2.94
		424	330.54	295.73	2.49	103.54	194.68	-139.36	25.90	3.86	6.92	22.84	7.62
32	1	106	618.24	360.05	6.51	113.15	253.40	-162.26	59.41	-3.52	51.94	3.95	-20.36
		107	788.23	416.51	6.55	131.73	291.33	-188.81	69.30	-13.23	54.86	1.21	-31.35
		254	798.45	407.75	-14.89	101.53	291.33	-188.81	-23.00	-94.89	-24.03	-93.87	-8.52
		427	773.61	351.46	-15.11	82.95	253.40	-162.26	-26.85	-91.22	-26.94	-91.13	2.47
32	2	106	668.00	313.48	2.43	105.04	210.87	-146.25	73.58	2.41	62.68	13.31	-25.63
		107	856.61	385.35	2.43	128.67	259.11	-180.01	94.72	-0.28	79.21	15.22	-35.11
		254	906.05	375.13	-20.18	95.84	259.11	-180.01	-38.73	-121.03	-39.00	-120.75	-4.72
		427	876.76	303.39	-20.31	72.20	210.87	-146.25	-55.20	-123.00	-55.53	-122.67	4.76
32	3	106	565.41	250.07	-7.68	95.45	146.94	-126.28	58.83	3.67	45.96	16.54	-23.33
		107	789.86	394.16	-7.17	143.00	243.99	-194.21	70.20	-4.29	50.06	15.85	-33.08
		254	678.79	381.55	-30.20	107.36	243.99	-194.21	-24.50	-78.48	-25.26	-77.72	-6.35
		427	589.53	236.95	-30.21	59.80	146.94	-126.28	-29.12	-77.28	-29.36	-77.04	3.40
32	4	106	655.19	366.15	6.81	117.91	255.05	-166.07	63.52	-4.59	54.62	4.31	-22.96
		107	792.84	410.95	6.83	132.65	285.13	-187.13	74.08	-13.19	58.61	2.28	-33.32
		254	786.48	401.34	-16.19	100.02	285.13	-187.13	-18.81	-94.09	-20.20	-92.70	-10.14
		427	769.14	356.67	-16.34	85.28	255.05	-166.07	-24.19	-90.67	-24.19	-90.67	0.22
32	5	106	612.38	344.80	6.69	108.18	243.31	-154.96	61.18	-5.42	53.99	1.77	-20.67
		107	752.69	387.75	6.73	122.32	272.16	-175.16	72.43	-13.72	55.91	-0.20	-31.34
		254	815.21	379.97	-12.42	95.39	272.16	-175.16	-24.39	-101.45	-25.10	-100.73	-7.39
		427	799.99	337.15	-12.59	81.26	243.31	-154.96	-29.86	-98.92	-30.02	-98.76	3.27
32	6	106	610.75	374.80	8.41	114.89	268.33	-166.36	57.72	-3.13	51.26	3.32	-18.74
		107	749.44	419.74	8.48	129.68	298.53	-187.50	67.21	-13.04	54.00	0.17	-29.76
		254	801.62	411.47	-12.74	100.20	298.53	-187.50	-23.38	-94.41	-24.41	-93.38	-8.47
		427	784.32	366.71	-12.98	85.40	268.33	-166.36	-27.04	-90.33	-27.15	-90.23	2.54
32	7	106	606.93	358.27	8.16	111.62	254.81	-159.75	57.91	-1.45	50.33	6.13	-19.81
		107	742.96	402.72	8.21	126.25	284.67	-180.65	67.62	-11.07	53.15	3.40	-30.49
		254	761.78	394.28	-13.06	96.55	284.67	-180.65	-22.31	-89.83	-23.41	-88.73	-8.54
		427	745.87	350.00	-13.27	81.92	254.81	-159.75	-26.15	-86.08	-26.23	-86.01	2.13
32	8	106	435.35	188.94	-7.22	73.62	108.11	-96.55	45.31	3.30	34.70	13.91	-18.26
		107	615.36	307.83	-6.66	112.90	188.27	-152.66	53.77	-3.16	37.32	13.29	-25.81
		254	510.69	297.58	-24.95	84.35	188.27	-152.66	-18.32	-57.93	-19.01	-57.23	-5.20
		427	435.36	178.16	-24.98	45.07	108.11	-96.55	-21.48	-56.77	-21.64	-56.62	2.35
32	9	106	433.53	250.06	4.61	78.53	176.14	-112.60	42.20	-2.44	36.97	2.79	-14.35
		107	538.37	288.19	4.64	91.08	201.76	-130.53	49.66	-8.84	39.70	1.12	-21.98
		254	567.21	282.20	-10.05	70.40	201.76	-130.53	-16.98	-68.26	-17.59	-67.65	-5.53
		427	551.09	244.18	-10.19	57.85	176.14	-112.60	-20.22	-66.08	-20.32	-65.98	2.10
32	10	106	404.08	188.55	-2.86	68.70	116.99	-92.61	41.68	1.75	33.65	9.78	-16.00
		107	549.82	275.52	-2.72	97.34	175.46	-133.53	49.97	-3.68	37.04	9.25	-22.94
		254	499.91	267.45	-18.36	73.64	175.46	-133.53	-17.81	-59.14	-18.27	-58.68	-4.33
		427	448.70	180.35	-18.37	44.99	116.99	-92.61	-21.48	-58.34	-21.66	-58.15	2.61
32	11	106	429.32	258.25	5.67	79.49	184.43	-114.87	41.26	-2.22	36.60	2.44	-13.45
		107	527.94	289.98	5.72	89.94	205.76	-129.80	48.51	-8.74	39.23	0.54	-21.10
		254	568.97	284.26	-8.85	69.66	205.76	-129.80	-17.19	-67.99	-17.80	-67.38	-5.51
		427	557.03	252.65	-9.01	59.21	184.43	-114.87	-20.33	-65.58	-20.43	-65.48	2.13
33	1	107	752.40	416.37	-6.21	144.87	265.29	-202.52	97.58	47.65	97.55	47.67	-1.15
		304	758.56	402.27	-6.22	140.23	255.82	-195.90	75.46	44.77	56.54	63.69	-14.92
		310	1035.72	388.73	-32.93	99.98	255.82	-195.90	106.78	-23.94	82.74	0.09	50.64
		254	1344.66	402.83	-32.92	104.62	265.29	-202.52	148.92	-41.09	123.76	-15.93	64.41
33	2	107	835.20	388.83	6.92	148.00	247.76	-184.33	117.01	55.89	116.72	56.18	-4.24
		304	813.74	348.53	6.84	134.72	220.65	-165.35	98.76	69.60	84.96	83.40	-14.56
		310	1178.82	331.37	-26.29	84.43	220.65	-165.35	138.59	-27.40	105.61	5.59	66.24
		254	1478.99	371.74	-26.27	97.71	247.76	-184.33	168.23	-52.50	137.36	-21.63	76.55
33	3	107	784.20	402.72	37.75	171.96	268.51	-175.98	103.12	67.33	102.71	67.74	3.85
		304	752.15	352.90	37.66	155.54	235.01	-152.53	85.91	54.63	61.77	78.77	-13.13
		310	896.37	331.87	-5.18	91.68	235.01	-152.53	102.68	-13.03	78.16	11.49	47.28
		254	1243.19	381.71	-5.09	108.10	268.51	-175.98	147.23	-27.67	119.10	0.46	64.26
33	4	107	774.50	410.90	-8.97	146.32	255.61	-202.70	99.38	45.96	98.91	46.43	-5.00
		304	775.61	391.56	-9.01	139.95	242.61	-193.59	80.42	44.46	62.02	62.87	-17.97
		310	996.00	377.03	-36.20	98.22	242.61	-193.59	103.79	-21.81	83.59	-1.62	46.14
		254	1293.01	396.40	-36.20	104.59	255.61	-202.70	142.28	-39.85	120.49	-18.05	59.12
33	5	107	738.33	386.37	-11.06	132.76	242.55	-190.98	98.89	44.63	98.76	44.76	-2.67
		304	740.07	375.11	-11.07	129.05	234.98	-185.68	76.63	44.63	58.20	63.05	-15.81
		310	1051.96	364.32	-31.59	97.75	234.98	-185.68	110.58	-27.80	85.48	-2.71	53.32
		254	1359.95	375.60	-31.59	101.46	242.55	-190.98	151.64	-46.59	126.05	-21.00	66.47
33	6	107	735.42	417.31	-12.80	137.63	266.88	-205.11	94.56	45.08	94.53	45.10	-1.04
		304	752.45	410.86	-12.80	135.51	262.55	-202.08	72.36	43.35	53.86	61.85	-13.94
		310	1051.77	399.66	-35.29	101.82	262.55	-202.08	107.27	-24.19	82.23	0.85	51.62
		254	1346.98	406.12	-35.29	103.94	266.88	-205.11	148.27	-41.26	122.90	-15.89	64.53
33	7	107	730.59	401.18	-12.50	136.75	251.93	-198.66	93.96	47.66	93.90	47.72	-1.68

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		304	748.02	394.31	-12.51	134.49	247.32	-195.43	74.63	44.50	55.49	63.64	-14.50
		310	1002.31	381.77	-36.74	97.72	247.32	-195.43	103.54	-21.23	80.18	2.13	48.67
		254	1287.32	388.65	-36.73	99.99	251.93	-198.66	142.75	-37.94	118.59	-13.79	61.49
33	8	107	610.98	315.07	32.79	136.78	211.08	-136.16	79.43	53.54	79.01	53.95	3.25
		304	584.40	273.91	32.71	123.22	183.41	-116.78	66.90	41.93	47.31	61.52	-10.26
		310	672.57	256.73	-2.59	70.74	183.41	-116.78	77.20	-8.49	58.90	9.81	35.12
		254	943.50	297.89	-2.50	84.30	211.08	-136.16	112.13	-19.28	90.61	2.24	48.63
33	9	107	528.44	287.89	-5.06	99.89	182.95	-140.47	69.50	33.64	69.48	33.65	-0.73
		304	531.28	278.33	-5.07	96.74	176.52	-135.97	53.68	32.65	40.76	45.57	-10.24
		310	739.37	269.26	-22.82	69.92	176.52	-135.97	77.18	-17.51	59.51	0.16	36.89
		254	956.27	278.83	-22.82	73.07	182.95	-140.47	106.44	-29.97	88.23	-11.75	46.40
33	10	107	544.74	280.31	19.37	114.94	184.74	-125.72	72.50	44.65	72.35	44.80	2.04
		304	527.41	250.90	19.31	105.25	164.96	-111.88	59.38	38.23	43.66	53.94	-9.24
		310	662.02	237.60	-7.33	65.31	164.96	-111.88	74.90	-11.44	56.96	6.50	35.03
		254	899.75	267.04	-7.30	75.01	184.74	-125.72	105.48	-22.48	85.64	-2.65	46.31
33	11	107	518.90	288.41	-8.71	95.87	183.83	-141.90	67.82	32.21	67.81	32.22	-0.67
		304	527.77	283.10	-8.72	94.12	180.26	-139.40	51.95	31.86	39.27	44.54	-9.70
		310	748.28	275.34	-24.14	70.94	180.26	-139.40	77.45	-17.65	59.22	0.59	37.44
		254	957.56	280.66	-24.13	72.69	183.83	-141.90	106.08	-30.06	87.76	-11.73	46.46
34	1	245	1038.23	393.87	-40.48	54.66	298.73	-179.64	-29.32	-124.99	-30.81	-123.51	11.83
		108	1023.33	342.73	-41.37	37.55	263.80	-155.19	-54.65	-136.23	-57.08	-133.79	13.87
		105	611.01	359.57	12.30	108.07	263.80	-155.19	57.19	-15.76	49.65	-8.22	-22.21
		104	755.29	411.46	12.46	125.19	298.73	-179.64	83.17	-5.18	75.92	2.07	-24.25
34	2	245	1102.35	378.03	-48.94	39.37	289.72	-172.94	-30.94	-137.62	-32.97	-135.60	14.57
		108	1083.74	325.21	-50.12	21.61	253.48	-147.57	-56.20	-149.07	-59.19	-146.09	16.38
		105	571.51	344.45	14.08	105.05	253.48	-147.57	51.27	-27.47	45.90	-22.10	-19.84
		104	714.09	398.29	14.24	122.81	289.72	-172.94	77.39	-16.88	72.12	-11.61	-21.65
34	3	245	1066.77	483.40	-103.86	-4.60	384.14	-220.09	-37.23	-109.64	-39.72	-107.16	13.18
		108	1012.37	414.08	-106.69	-28.33	335.71	-186.19	-68.65	-120.73	-70.95	-118.44	10.68
		105	525.63	448.18	27.47	139.94	335.71	-186.19	28.66	-18.92	25.21	-15.47	-12.35
		104	659.29	520.06	27.75	163.67	384.14	-220.09	57.99	-5.75	56.43	-4.19	-9.85
34	4	245	1088.23	375.85	-86.77	-14.26	303.35	-168.18	-13.39	-124.59	-14.48	-123.51	10.94
		108	1016.41	283.23	-91.76	-46.36	237.83	-122.32	-42.83	-137.37	-43.98	-136.23	10.32
		105	613.04	306.07	18.55	86.78	237.83	-122.32	65.48	-25.65	57.61	-17.78	-25.59
		104	783.80	402.93	19.30	118.89	303.35	-168.18	93.44	-11.39	87.11	-5.06	-24.97
34	5	245	1113.97	398.94	-106.05	-31.77	324.66	-178.87	-15.87	-122.26	-18.41	-119.73	16.23
		108	1019.47	287.68	-113.09	-70.67	245.27	-123.29	-56.69	-139.46	-58.33	-137.82	11.54
		105	624.13	313.08	21.10	88.91	245.27	-123.29	65.92	-19.08	55.19	-8.35	-28.23
		104	821.30	430.39	22.08	127.82	324.66	-178.87	101.18	3.68	95.12	9.74	-23.54
34	6	245	1036.22	421.90	-86.37	1.38	334.15	-192.10	-15.65	-107.79	-17.93	-105.52	14.30
		108	964.29	328.66	-90.27	-30.56	268.95	-146.46	-48.56	-122.53	-50.42	-120.67	11.60
		105	629.36	354.59	18.48	104.12	268.95	-146.46	59.54	-15.06	48.87	-4.38	-26.12
		104	794.75	451.23	18.99	136.07	334.15	-192.10	88.43	3.71	81.37	10.77	-23.41
34	7	245	1012.63	367.51	-42.17	43.21	282.12	-166.40	-27.44	-123.24	-29.10	-121.58	12.52
		108	990.61	310.02	-43.44	23.89	242.69	-138.80	-52.24	-134.52	-54.84	-131.91	14.41
		105	575.18	326.33	12.35	95.98	242.69	-138.80	56.23	-16.25	49.06	-9.07	-21.64
		104	722.90	384.85	12.58	115.31	282.12	-166.40	81.68	-5.63	74.80	1.26	-23.53
34	8	245	825.91	384.13	-84.16	-5.58	305.55	-175.00	-29.50	-83.08	-31.45	-81.13	10.03
		108	781.95	330.40	-86.38	-23.98	268.00	-148.71	-53.95	-91.47	-55.67	-89.75	7.84
		105	404.00	357.99	22.26	112.25	268.00	-148.71	19.68	-14.83	17.34	-12.49	-8.68
		104	504.08	413.73	22.47	130.65	305.55	-175.00	42.47	-4.77	41.56	-3.87	-6.49
34	9	245	732.86	272.43	-29.70	35.15	207.57	-124.05	-20.50	-88.74	-21.62	-87.62	8.69
		108	720.62	234.59	-30.43	22.47	181.69	-105.93	-38.66	-96.84	-40.44	-95.06	10.03
		105	426.26	246.61	8.84	73.76	181.69	-105.93	40.63	-11.23	35.30	-5.90	-15.75
		104	530.11	285.05	8.97	86.44	207.57	-124.05	59.19	-3.52	54.12	1.55	-17.10
34	10	245	748.28	322.13	-64.88	2.22	255.02	-146.52	-24.91	-80.19	-26.57	-78.53	9.44
		108	714.32	274.24	-66.73	-14.13	221.64	-123.15	-46.44	-88.23	-48.14	-86.53	8.26
		105	376.77	295.85	17.26	91.46	221.64	-123.15	24.77	-12.96	21.73	-9.92	-10.27
		104	475.64	345.39	17.46	107.82	255.02	-146.52	45.06	-3.69	43.30	-1.93	-9.10
34	11	245	731.14	287.98	-55.18	5.55	227.25	-130.97	-12.90	-79.18	-14.46	-77.62	10.06
		108	687.61	226.75	-57.57	-15.37	184.55	-101.08	-35.28	-89.23	-36.74	-87.77	8.77
		105	436.08	243.85	12.27	71.57	184.55	-101.08	41.91	-10.80	34.87	-3.76	-17.92
		104	551.57	307.15	12.59	92.49	227.25	-130.97	62.11	1.42	57.15	6.38	-16.63
35	1	302	498.46	376.26	-1.99	125.10	249.16	-178.66	46.17	-4.13	-1.26	43.30	11.67
		109	570.29	370.48	-1.99	123.20	245.29	-175.95	53.38	-4.35	10.63	38.39	25.31
		106	1218.36	368.09	-6.82	115.98	245.29	-175.95	158.46	33.77	53.02	139.21	-45.05
		419	1346.42	373.86	-6.82	117.88	249.16	-178.66	170.71	14.54	41.13	144.12	-58.69
35	2	302	426.69	304.04	-2.50	99.61	201.93	-144.48	33.52	-11.80	-5.85	27.58	15.30
		109	589.91	299.12	-2.50	97.99	198.62	-142.17	49.54	-17.43	9.41	22.70	32.82
		106	1224.35	299.57	-1.60	99.34	198.62	-142.17	172.28	39.26	63.87	147.67	-51.65
		419	1379.46	304.50	-1.60	100.97	201.93	-144.48	187.10	14.06	48.61	152.55	-69.18
35	3	302	331.01	172.54	-3.13	53.52	115.90	-82.11	20.55	-23.70	-18.15	15.01	14.65

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		109	523.41	187.50	-3.12	58.44	125.94	-89.14	45.78	-25.85	4.61	15.31	35.41
		106	991.05	192.46	6.50	73.02	125.94	-89.14	149.78	34.55	52.56	131.77	-41.84
		419	1133.42	177.51	6.48	68.10	115.90	-82.11	161.27	-0.02	29.79	131.46	-62.60
35	4	302	467.15	374.74	-4.21	123.58	246.94	-179.15	42.78	1.09	4.65	39.21	11.65
		109	559.44	358.81	-4.22	118.34	236.25	-171.67	52.15	-0.86	17.28	34.00	25.15
		106	1185.59	358.12	-5.57	116.30	236.25	-171.67	154.10	34.13	56.07	132.15	-46.38
		419	1324.32	374.05	-5.57	121.54	246.94	-179.15	166.51	14.30	43.44	137.37	-59.88
35	5	302	506.24	363.50	-2.56	120.59	240.35	-172.96	49.84	1.23	3.70	47.37	10.67
		109	538.62	351.17	-2.56	116.53	232.07	-167.16	56.08	1.47	15.45	42.09	23.84
		106	1211.90	349.06	-6.78	110.21	232.07	-167.16	160.64	34.85	55.35	140.14	-46.46
		419	1344.04	361.40	-6.78	114.26	240.35	-172.96	172.91	16.11	43.60	145.42	-59.63
35	6	302	565.63	410.34	-1.03	137.04	272.27	-194.25	52.46	-0.99	1.13	50.34	10.43
		109	570.79	400.24	-1.03	133.72	265.49	-189.51	56.93	0.23	11.98	45.18	22.98
		106	1247.52	396.29	-9.08	121.72	265.49	-189.51	158.48	32.89	51.27	140.10	-44.39
		419	1372.85	406.39	-9.07	125.05	272.27	-194.25	170.24	15.44	40.41	145.27	-56.94
35	7	302	505.09	380.24	-2.24	126.61	251.39	-180.78	48.18	-5.15	-1.75	44.78	13.03
		109	577.84	371.23	-2.24	123.65	245.34	-176.54	53.99	-5.89	8.49	39.21	25.82
		106	1207.75	368.48	-7.76	115.38	245.34	-176.54	156.22	32.21	50.37	138.06	-43.85
		419	1334.99	377.50	-7.76	118.35	251.39	-180.78	168.53	14.83	39.73	143.62	-56.63
35	8	302	250.34	121.88	-2.50	37.26	82.12	-58.01	13.87	-19.98	-15.46	9.35	11.52
		109	403.88	135.14	-2.50	41.62	91.01	-64.24	34.78	-21.79	2.96	10.02	28.06
		106	749.31	139.52	5.94	54.45	91.01	-64.24	114.45	26.50	40.19	100.76	-31.88
		419	860.14	126.28	5.92	50.09	82.12	-58.01	123.20	-1.36	21.76	100.08	-48.43
35	9	302	348.86	261.48	-1.43	86.94	173.11	-124.20	32.86	-2.89	-0.80	30.77	8.39
		109	400.56	257.09	-1.43	85.50	170.16	-122.13	37.91	-3.17	7.52	27.22	18.02
		106	859.20	255.42	-4.80	80.46	170.16	-122.13	112.51	24.04	37.69	98.85	-31.97
		419	950.09	259.81	-4.80	81.91	173.11	-124.20	121.24	10.53	29.37	102.40	-41.60
35	10	302	249.42	148.30	-2.06	47.17	99.07	-70.56	18.56	-13.70	-10.19	15.05	10.05
		109	374.24	155.43	-2.06	49.52	103.85	-73.90	33.47	-14.89	4.18	14.40	23.63
		106	732.77	157.81	2.63	56.59	103.85	-73.90	107.69	24.47	37.44	94.72	-30.19
		419	831.53	150.69	2.63	54.25	99.07	-70.56	115.99	2.45	23.07	95.37	-43.77
35	11	302	386.05	280.42	-0.90	93.57	185.95	-132.86	36.34	-1.13	0.52	34.68	7.70
		109	400.88	273.62	-0.90	91.34	181.38	-129.67	39.85	-0.59	8.27	30.99	16.73
		106	875.39	271.08	-6.05	83.65	181.38	-129.67	112.52	23.55	36.72	99.34	-31.60
		419	964.78	277.88	-6.05	85.89	185.95	-132.86	120.98	11.03	28.97	103.04	-40.63
36	1	300	1232.80	358.42	0.09	113.79	244.72	-166.78	132.16	-45.93	92.79	-6.56	73.90
		245	1564.17	403.41	0.09	128.59	274.91	-187.92	167.47	-70.43	133.12	-36.08	83.62
		104	701.52	395.40	-18.17	102.32	274.91	-187.92	95.89	34.50	95.73	34.65	-3.08
		304	697.44	350.49	-18.25	87.53	244.72	-166.78	73.31	46.26	55.40	64.17	-12.79
36	2	300	1257.27	321.93	-5.64	107.09	209.20	-155.63	127.43	-61.64	87.09	-21.30	77.45
		245	1686.54	387.82	-5.63	128.76	253.43	-186.58	179.97	-84.47	142.67	-47.17	92.04
		104	662.70	379.21	-23.35	102.44	253.43	-186.58	94.43	27.59	94.41	27.61	1.21
		304	616.44	313.34	-23.37	80.77	209.20	-155.63	61.40	30.91	38.83	53.48	-13.37
36	3	300	1142.17	338.33	-54.64	66.73	216.96	-181.56	101.14	-53.56	62.32	-14.74	67.07
		245	1609.34	483.70	-54.59	114.55	314.56	-249.88	156.38	-67.63	120.07	-31.32	82.56
		104	640.95	494.00	-33.41	146.03	314.56	-249.88	72.60	27.70	70.75	29.55	8.92
		304	578.14	348.60	-33.44	98.20	216.96	-181.56	47.38	11.75	13.00	46.13	-6.56
36	4	300	1206.81	311.45	-9.98	92.98	208.49	-149.98	134.53	-45.00	101.00	-11.47	69.97
		245	1590.72	384.10	-9.97	116.87	257.25	-184.11	176.41	-68.97	145.86	-38.42	81.02
		104	717.56	375.04	-30.52	87.27	257.25	-184.11	104.74	27.68	104.57	27.85	-3.65
		304	640.39	302.54	-30.67	63.38	208.49	-149.98	72.16	42.35	59.71	54.79	-14.70
36	5	300	1177.37	308.67	-2.81	113.20	192.66	-150.59	133.63	-42.88	98.50	-7.74	70.48
		245	1577.32	412.49	-2.64	147.40	262.45	-199.44	173.97	-67.34	141.59	-34.96	82.25
		104	749.19	393.75	-40.49	90.81	262.45	-199.44	106.12	39.03	105.92	39.24	-3.71
		304	677.63	289.88	-40.60	56.62	192.66	-150.59	80.23	49.05	62.82	66.46	-15.48
36	6	300	1124.23	359.39	1.77	128.55	232.61	-171.07	120.99	-37.60	87.68	-4.28	64.61
		245	1494.42	437.32	1.82	154.19	284.94	-207.70	161.87	-59.28	130.61	-28.02	77.05
		104	736.47	420.22	-33.96	101.32	284.94	-207.70	97.35	42.70	97.21	42.84	-2.77
		304	716.55	342.35	-34.06	75.68	232.61	-171.07	76.84	44.02	54.28	66.58	-15.21
36	7	300	1205.73	336.40	2.16	106.00	232.56	-154.68	130.92	-45.67	91.65	-6.40	73.43
		245	1527.44	377.02	2.17	119.37	259.83	-173.77	164.98	-69.95	130.89	-35.86	82.74
		104	669.39	368.36	-18.37	90.17	259.83	-173.77	94.17	33.01	94.03	33.15	-2.90
		304	666.02	327.86	-18.50	76.81	232.56	-154.68	71.52	45.87	54.79	62.60	-12.21
36	8	300	874.20	264.58	-46.30	49.24	169.04	-143.44	74.88	-41.78	45.16	-12.07	50.83
		245	1243.06	383.67	-46.25	88.42	248.99	-199.40	118.89	-51.75	90.93	-23.79	63.17
		104	504.47	393.21	-26.71	117.51	248.99	-199.40	53.83	20.21	52.00	22.04	7.63
		304	443.77	274.12	-26.75	78.33	169.04	-143.44	34.55	5.45	6.23	33.77	-4.71
36	9	300	871.77	246.71	0.02	78.38	168.35	-114.85	94.28	-32.69	66.17	-4.58	52.72
		245	1107.68	279.16	0.02	89.05	190.12	-130.10	119.36	-50.08	94.81	-25.53	59.63
		104	492.80	273.37	-13.19	70.05	190.12	-130.10	68.39	24.71	68.31	24.80	-1.95
		304	487.44	240.99	-13.26	59.38	168.35	-114.85	52.08	33.34	39.66	45.76	-8.86
36	10	300	820.64	235.54	-30.38	52.24	152.92	-123.06	77.02	-36.91	49.24	-9.12	48.92

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		245	1132.24	323.76	-30.36	81.26	212.15	-164.52	113.18	-48.51	87.56	-22.89	59.04
		104	454.27	327.99	-21.51	94.33	212.15	-164.52	55.10	21.29	54.43	21.97	4.72
		304	417.35	239.75	-21.51	65.31	152.92	-123.06	37.12	14.72	16.11	35.73	-5.40
36	11	300	811.44	247.20	1.00	86.58	161.62	-117.24	88.07	-28.06	63.33	-3.31	47.55
		245	1068.89	297.95	1.02	103.28	195.70	-141.09	116.24	-43.89	93.41	-21.06	55.98
		104	511.68	287.15	-21.96	69.50	195.70	-141.09	69.21	29.27	69.13	29.35	-1.78
		304	497.78	236.46	-22.04	52.80	161.62	-117.24	54.05	32.10	39.05	47.10	-10.21
37	1	280	1156.25	227.29	-4.94	69.44	152.91	-108.35	131.63	-51.11	85.19	-4.68	79.56
		221	1426.82	210.41	-4.94	63.89	141.59	-100.42	165.91	-72.78	126.84	-33.71	88.32
		431	501.12	205.99	-15.01	49.39	141.59	-100.42	84.48	30.62	84.20	30.90	3.84
		528	506.87	222.84	-14.98	54.94	152.91	-108.35	61.22	41.26	42.56	59.93	-4.92
37	2	280	1164.00	237.25	-7.02	80.82	149.40	-117.22	130.53	-52.73	86.32	-8.51	78.41
		221	1453.99	222.21	-7.04	75.87	139.30	-110.15	168.06	-75.34	129.97	-37.26	88.42
		431	536.84	216.37	-18.12	58.96	139.30	-110.15	87.99	31.71	87.92	31.78	2.00
		528	533.24	231.43	-18.12	63.91	149.40	-117.22	63.81	40.98	44.26	60.52	-8.01
37	3	280	1207.90	104.31	1.77	67.06	39.02	-49.31	132.71	-87.17	79.40	-33.87	94.23
		221	1658.11	63.85	-5.75	51.28	6.82	-26.78	205.28	-108.10	155.31	-58.13	114.73
		431	527.08	27.14	-28.47	-8.15	6.82	-26.78	93.14	23.10	90.80	25.44	12.60
		528	344.23	75.07	-28.43	7.62	39.02	-49.31	51.42	13.18	14.89	49.71	-7.89
37	4	280	1505.78	117.80	-20.06	37.20	60.53	-67.93	197.91	-61.60	129.76	6.55	114.20
		221	1723.90	126.01	-19.99	39.93	66.09	-71.82	208.09	-98.28	156.01	-46.21	115.08
		431	639.13	118.41	-32.49	19.83	66.09	-71.82	116.53	44.98	116.48	45.02	-1.82
		528	624.94	110.14	-32.50	17.11	60.53	-67.93	98.64	89.37	90.23	97.78	-2.70
37	5	280	1300.58	209.70	-23.96	64.13	121.61	-113.24	155.36	-53.64	100.50	1.22	91.95
		221	1525.56	191.84	-24.01	58.25	109.59	-104.83	178.08	-80.53	135.14	-37.58	96.24
		431	530.66	182.20	-41.75	30.86	109.59	-104.83	91.14	33.36	91.13	33.37	0.56
		528	543.68	200.10	-41.75	36.75	121.61	-113.24	73.02	55.65	56.50	72.17	-3.73
37	6	280	1194.44	246.59	-18.88	72.13	155.58	-126.01	132.62	-52.37	85.51	-5.26	80.59
		221	1441.39	219.36	-18.89	63.17	137.30	-113.21	164.42	-74.47	126.15	-36.21	87.62
		431	486.79	211.07	-36.44	37.33	137.30	-113.21	80.02	25.43	79.93	25.52	2.25
		528	506.27	238.28	-36.41	46.29	155.58	-126.01	57.71	38.04	39.28	56.47	-4.78
37	7	280	1136.82	194.62	-5.77	58.83	130.01	-93.66	131.92	-52.06	86.33	-6.46	79.43
		221	1414.25	181.68	-5.77	54.58	121.33	-87.58	166.51	-73.97	128.02	-35.48	88.18
		431	491.71	177.40	-15.47	40.60	121.33	-87.58	85.51	28.76	85.26	29.01	3.73
		528	471.10	190.32	-15.45	44.85	130.01	-93.66	59.60	42.00	43.57	58.03	-5.01
37	8	280	930.41	76.62	0.67	52.62	24.68	-35.31	101.15	-69.63	59.84	-28.32	73.13
		221	1303.65	45.32	-7.87	39.51	-2.06	-16.59	160.16	-85.51	121.01	-46.36	89.92
		431	406.82	11.21	-22.80	-9.53	-2.06	-16.59	71.86	17.27	69.83	19.30	10.32
		528	260.01	50.98	-22.73	3.57	24.68	-35.31	38.73	7.27	8.66	37.33	-6.47
37	9	280	823.59	153.68	-3.57	47.31	102.80	-73.56	94.62	-36.80	61.40	-3.58	57.12
		221	1017.25	142.39	-3.57	43.60	95.23	-68.26	118.96	-52.38	91.04	-24.46	63.28
		431	355.12	139.11	-10.95	32.93	95.23	-68.26	60.68	21.43	60.48	21.64	2.83
		528	352.31	150.38	-10.94	36.64	102.80	-73.56	43.40	29.95	30.83	42.51	-3.33
37	10	280	851.95	83.65	1.86	45.99	39.53	-40.76	95.23	-56.84	58.19	-19.80	65.27
		221	1145.77	57.00	-0.05	36.59	20.36	-27.35	140.84	-72.00	106.87	-38.03	77.95
		431	369.98	39.68	-18.36	0.96	20.36	-27.35	65.41	17.34	64.14	18.61	7.70
		528	258.12	68.23	-18.36	10.35	39.53	-40.76	37.94	14.36	15.46	36.84	-4.98
37	11	280	844.74	164.41	-11.32	48.81	104.28	-83.37	95.17	-37.50	61.58	-3.91	57.69
		221	1025.31	147.37	-11.32	43.20	92.85	-75.36	118.14	-53.32	90.67	-25.85	62.89
		431	347.67	141.94	-22.86	26.23	92.85	-75.36	58.20	18.56	58.10	18.65	1.95
		528	351.45	158.96	-22.84	31.84	104.28	-83.37	41.44	28.16	29.01	40.59	-3.25
38	1	432	912.95	237.14	-4.55	67.44	165.15	-110.53	-15.76	-123.45	-23.44	-115.78	27.71
		281	996.58	234.71	-4.56	66.64	163.52	-109.39	-6.98	-133.42	-17.87	-122.53	35.48
		413	469.86	239.14	5.28	80.90	163.52	-109.39	16.58	-56.70	10.41	-50.53	-20.34
		433	516.23	241.57	5.28	81.71	165.15	-110.53	17.70	-56.64	4.85	-43.78	-28.12
38	2	432	947.89	254.97	-3.24	75.89	175.84	-119.04	-14.62	-126.86	-21.76	-119.73	27.39
		281	1037.81	257.73	-3.24	76.80	177.69	-120.34	-6.45	-137.27	-16.62	-127.11	35.03
		413	516.41	261.14	4.17	87.62	177.69	-120.34	19.47	-60.24	12.34	-53.12	-22.75
		433	558.44	258.38	4.17	86.71	175.84	-119.04	21.04	-59.56	7.21	-45.74	-30.38
38	3	432	969.44	77.72	3.50	27.47	53.75	-34.70	-15.75	-158.00	-25.31	-148.43	35.63
		281	1059.54	72.44	3.50	25.73	50.21	-32.22	-4.67	-168.67	-17.50	-155.83	44.04
		413	571.68	71.55	1.56	22.91	50.21	-32.22	10.00	-86.41	6.65	-83.05	-17.66
		433	535.86	76.83	1.57	24.65	53.75	-34.70	7.06	-83.87	-1.16	-75.65	-26.08
38	4	432	1228.39	202.84	-6.41	52.94	143.50	-94.32	-33.01	-186.78	-50.99	-168.80	49.41
		281	1379.14	225.70	-6.36	60.47	158.87	-105.08	-25.38	-205.14	-49.06	-181.46	60.80
		413	552.45	231.43	6.69	79.25	158.87	-105.08	26.20	-60.19	14.70	-48.69	-29.34
		433	618.18	208.52	6.69	71.72	143.50	-94.32	35.85	-59.10	12.78	-36.03	-40.72
38	5	432	1048.42	271.19	-6.52	72.15	192.51	-125.14	-22.72	-142.48	-33.27	-131.92	33.95
		281	1168.35	285.81	-6.49	76.97	202.35	-132.02	-10.39	-154.44	-25.59	-139.24	44.25
		413	521.35	292.79	9.63	100.07	202.35	-132.02	18.69	-57.25	10.81	-49.36	-23.16
		433	584.81	278.14	9.63	95.25	192.51	-125.14	20.91	-59.82	3.12	-42.04	-33.46
38	6	432	959.18	283.66	-6.57	76.12	200.96	-131.01	-16.55	-124.03	-23.70	-116.88	26.79

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		281	1057.48	290.55	-6.56	78.40	205.60	-134.25	-3.83	-132.97	-14.77	-122.02	35.97
		413	501.34	297.59	9.67	101.66	205.60	-134.25	15.82	-57.82	10.27	-52.27	-19.44
		433	549.56	290.68	9.67	99.39	200.96	-131.01	14.61	-60.40	1.34	-47.13	-28.63
38	7	432	899.08	211.16	-4.83	58.71	147.62	-98.42	-14.86	-124.88	-22.22	-117.52	27.49
		281	986.00	212.39	-4.82	59.12	148.44	-99.00	-5.98	-134.76	-16.52	-124.22	35.30
		413	468.63	216.89	5.25	73.70	148.44	-99.00	17.50	-58.48	11.49	-52.47	-20.50
		433	507.40	215.66	5.25	73.29	147.62	-98.42	18.30	-58.28	5.78	-45.77	-28.31
38	8	432	749.00	50.80	3.29	19.10	34.99	-22.39	-12.10	-123.48	-19.57	-116.01	27.85
		281	818.12	45.96	3.29	17.51	31.75	-20.11	-3.39	-131.68	-13.36	-121.71	34.35
		413	447.56	44.87	0.93	14.05	31.75	-20.11	7.09	-68.52	4.66	-66.09	-13.33
		433	420.17	49.70	0.93	15.64	34.99	-22.39	4.50	-66.45	-1.56	-60.39	-19.83
38	9	432	649.18	162.26	-3.20	45.97	113.09	-75.62	-11.14	-88.76	-16.63	-83.27	19.90
		281	709.63	161.33	-3.20	45.66	112.47	-75.18	-4.91	-95.90	-12.69	-88.12	25.45
		413	333.73	164.44	3.70	55.67	112.47	-75.18	11.95	-40.87	7.62	-36.54	-14.49
		433	364.92	165.37	3.70	55.98	113.09	-75.62	12.73	-40.74	3.68	-31.69	-20.04
38	10	432	680.31	73.68	1.29	23.76	51.21	-33.49	-11.14	-107.95	-17.67	-101.41	24.30
		281	744.29	71.17	1.29	22.94	49.52	-32.31	-3.63	-115.48	-12.48	-106.62	30.20
		413	390.24	71.33	1.64	23.45	49.52	-32.31	8.23	-57.30	5.53	-54.61	-13.01
		433	364.40	73.84	1.65	24.28	51.21	-33.49	6.72	-55.77	0.35	-49.40	-18.91
38	11	432	674.86	188.10	-4.32	50.79	132.99	-86.99	-11.58	-89.08	-16.78	-83.89	19.38
		281	743.42	192.35	-4.31	52.19	135.85	-88.99	-3.16	-95.65	-10.97	-87.84	25.72
		413	350.53	196.91	6.14	67.20	135.85	-88.99	11.54	-41.50	7.54	-37.50	-13.99
		433	382.99	192.65	6.14	65.80	132.99	-86.99	11.01	-42.83	1.73	-33.56	-20.33
39	1	89	360.79	193.47	-2.50	59.78	131.19	-91.25	-16.85	-45.97	-45.18	-17.64	4.73
		218	509.93	187.47	-2.50	57.81	127.16	-88.43	8.28	-55.13	-38.46	-8.38	27.91
		90	928.16	185.51	-6.85	51.50	127.16	-88.43	151.12	80.20	82.38	148.94	-12.26
		91	991.06	191.51	-6.85	53.48	131.19	-91.25	155.43	59.93	75.67	139.68	-35.44
39	2	89	327.94	182.27	0.45	46.30	136.42	-78.96	-20.11	-42.36	-41.90	-20.57	3.16
		218	494.85	203.62	0.58	53.36	150.84	-89.06	2.46	-54.93	-39.68	-12.79	25.35
		90	981.25	202.98	-1.28	50.85	150.84	-89.06	156.93	87.43	91.08	153.28	-15.51
		91	1024.14	181.65	-1.44	43.78	136.42	-78.96	164.34	70.03	88.86	145.50	-37.71
39	3	89	433.27	86.20	-23.16	-23.10	86.13	-2.65	-47.24	-80.47	-76.09	-51.62	11.24
		218	652.93	144.91	-8.55	1.01	135.34	-37.09	-17.93	-105.89	-81.09	-42.74	39.58
		90	1149.06	147.05	17.80	29.50	135.34	-37.09	196.95	111.88	113.93	194.89	-13.05
		91	1134.40	86.22	5.30	5.39	86.13	-2.65	205.75	99.20	118.93	186.01	-41.39
39	4	89	261.40	16.18	-36.08	-24.15	4.25	21.94	-4.39	-39.77	-39.23	-4.92	4.33
		218	379.68	39.45	-7.12	-6.97	39.30	-2.60	22.68	-46.29	-28.52	4.91	30.16
		90	948.66	39.44	-9.63	-9.49	39.30	-2.60	176.18	90.49	94.53	172.14	-18.17
		91	975.89	15.63	-38.05	-26.67	4.25	21.94	182.02	64.10	83.82	162.30	-44.00
39	5	89	239.81	70.54	-0.13	5.44	64.97	-19.05	-13.60	-43.05	-42.28	-14.37	4.70
		218	417.80	114.04	2.82	20.72	96.13	-40.87	10.83	-52.94	-35.92	-6.19	28.21
		90	940.57	112.79	-4.18	12.47	96.13	-40.87	162.45	84.26	88.28	158.42	-17.28
		91	953.56	69.95	-7.79	-2.80	64.97	-19.05	169.29	62.88	81.93	150.23	-40.80
39	6	89	316.60	138.78	2.49	35.28	105.99	-58.26	-20.74	-45.77	-44.64	-21.87	5.20
		218	484.74	164.67	2.70	43.86	123.50	-70.52	3.73	-57.89	-40.12	-14.04	27.92
		90	932.00	163.38	-1.21	38.66	123.50	-70.52	153.64	82.14	85.71	150.07	-15.57
		91	969.86	137.56	-1.49	30.08	105.99	-58.26	160.69	62.75	81.19	142.24	-38.29
39	7	89	319.56	146.92	0.47	43.52	103.86	-66.72	-18.69	-44.78	-43.93	-19.54	4.64
		218	471.84	152.77	0.48	45.45	107.79	-69.47	6.84	-54.81	-37.54	-10.43	27.68
		90	894.47	152.35	-0.52	44.04	107.79	-69.47	149.40	81.24	83.60	147.03	-12.47
		91	941.81	146.51	-0.53	42.12	103.86	-66.72	154.28	60.85	77.21	137.92	-35.51
39	8	89	349.73	66.65	-21.74	-21.72	66.63	1.29	-38.42	-64.70	-61.03	-42.10	9.11
		218	519.16	113.95	-8.15	-1.70	107.50	-27.31	-15.80	-85.35	-65.83	-35.32	31.25
		90	904.21	115.53	14.61	22.64	107.50	-27.31	154.94	88.17	89.73	153.38	-10.08
		91	889.67	66.66	2.59	2.61	66.63	1.29	161.99	79.14	94.53	146.60	-32.22
39	9	89	248.10	126.60	-1.14	38.44	87.02	-59.07	-12.49	-32.69	-32.09	-13.09	3.43
		218	355.71	125.08	-1.14	37.94	86.00	-58.36	5.63	-39.45	-27.33	-6.49	19.99
		90	654.78	123.95	-3.73	34.22	86.00	-58.36	107.61	57.57	59.14	106.03	-8.73
		91	695.82	125.47	-3.73	34.72	87.02	-59.07	110.77	43.04	54.38	99.43	-25.29
39	10	89	287.06	63.35	-8.97	-7.60	61.99	-9.85	-29.46	-51.77	-49.27	-31.97	7.04
		218	433.24	100.05	-3.11	6.39	90.54	-29.84	-8.92	-67.66	-51.01	-25.57	26.47
		90	777.22	101.71	10.83	22.00	90.54	-29.84	133.06	75.17	76.66	131.57	-9.17
		91	774.37	63.73	6.26	8.00	61.99	-9.85	138.73	64.85	78.41	125.17	-28.60
39	11	89	223.74	96.25	1.59	24.83	73.02	-40.74	-14.65	-32.59	-31.79	-15.44	3.69
		218	341.61	112.45	1.71	30.20	83.97	-48.41	3.11	-40.99	-28.25	-9.63	19.99
		90	656.92	111.67	-0.62	27.09	83.97	-48.41	108.99	58.66	60.98	106.66	-10.57
		91	684.13	95.51	-0.77	21.72	73.02	-40.74	113.69	44.60	57.44	100.85	-26.87
40	1	218	675.30	188.34	1.42	52.67	137.08	-83.39	49.68	-48.00	20.65	-18.98	44.64
		280	1633.51	227.33	1.53	65.53	163.32	-101.76	217.95	-49.69	138.96	29.29	122.07
		528	1302.01	226.27	-1.19	61.75	163.32	-101.76	246.23	111.94	175.75	182.42	67.06
		90	857.36	187.32	-1.35	48.89	137.08	-83.39	135.52	56.06	57.44	134.15	-10.36
40	2	218	710.88	202.78	-5.82	46.88	150.08	-90.64	52.47	-48.56	25.60	-21.69	44.64

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		280	1691.19	236.33	-5.61	57.98	172.74	-106.50	224.90	-50.72	145.70	28.49	124.73
		528	1362.44	236.57	-4.94	58.89	172.74	-106.50	257.88	120.05	187.86	190.07	68.90
		90	900.33	203.01	-5.14	47.79	150.08	-90.64	141.60	66.06	67.75	139.90	-11.18
40	3	218	963.44	125.16	-33.58	-6.17	97.75	-60.00	70.91	-88.01	24.58	-41.67	72.23
		280	2204.44	84.53	-35.46	-20.15	69.22	-40.03	298.51	-91.73	180.30	26.48	179.32
		528	1860.30	91.57	-2.50	19.85	69.22	-40.03	353.38	137.25	245.13	245.49	108.07
		90	1010.58	133.77	-2.19	33.83	97.75	-60.00	177.35	89.40	89.41	177.34	0.97
40	4	218	554.71	41.71	-14.94	-14.50	41.27	-4.97	54.08	-46.79	25.93	-18.64	45.25
		280	1729.98	123.39	-5.66	15.41	102.31	-47.70	246.64	-49.39	163.91	33.35	132.84
		528	1404.31	120.81	-20.70	-2.21	102.31	-47.70	267.56	138.87	198.48	207.94	64.17
		90	896.82	41.61	-32.45	-32.12	41.27	-4.97	161.40	55.07	60.50	155.96	-23.42
40	5	218	619.83	117.88	-6.22	9.73	101.93	-41.53	51.73	-47.97	22.69	-18.93	45.30
		280	1649.88	215.24	-2.92	42.83	169.48	-88.81	220.12	-52.30	139.99	27.83	124.13
		528	1329.83	211.09	-20.12	21.48	169.48	-88.81	250.87	122.68	182.92	190.63	63.98
		90	871.74	115.50	-25.19	-11.62	101.93	-41.53	146.59	62.90	65.62	143.87	-14.85
40	6	218	679.28	166.80	-1.27	35.25	130.28	-69.31	51.27	-50.81	21.80	-21.34	46.25
		280	1638.88	249.03	-0.39	62.58	186.06	-108.35	211.72	-55.22	132.29	24.20	122.04
		528	1302.19	246.06	-9.61	50.39	186.06	-108.35	245.51	113.46	177.45	181.52	65.99
		90	850.25	164.29	-10.95	23.06	130.28	-69.31	137.34	65.59	66.95	135.98	-9.79
40	7	218	649.75	153.51	0.13	40.32	113.32	-67.45	49.78	-48.90	21.78	-20.90	44.49
		280	1614.48	194.58	0.30	53.88	141.00	-86.83	217.82	-50.63	139.85	27.34	121.87
		528	1293.18	194.01	-1.22	51.79	141.00	-86.83	245.67	111.76	176.88	180.55	66.93
		90	819.72	152.97	-1.43	38.22	113.32	-67.45	133.77	57.35	58.81	132.31	-10.44
40	8	218	764.93	96.45	-28.37	-7.30	75.38	-46.75	55.83	-70.58	18.85	-33.60	57.51
		280	1737.67	58.88	-30.33	-20.30	48.85	-28.18	235.10	-73.60	141.26	20.24	142.00
		528	1470.97	64.54	-1.76	13.94	48.85	-28.18	279.37	107.26	193.18	193.45	86.05
		90	793.35	103.81	-1.50	26.93	75.38	-46.75	139.64	70.73	70.77	139.61	1.56
40	9	218	477.72	125.68	0.60	34.18	92.10	-55.43	35.79	-34.61	15.14	-13.95	32.05
		280	1164.62	153.66	0.70	43.41	110.94	-68.63	156.08	-35.82	99.68	20.58	87.42
		528	930.18	152.98	-1.08	40.96	110.94	-68.63	176.26	79.92	126.08	130.10	48.13
		90	603.48	125.03	-1.20	31.73	92.10	-55.43	96.52	40.59	41.54	95.57	-7.24
40	10	218	637.92	90.48	-18.75	1.49	70.24	-42.44	47.59	-56.83	17.32	-26.55	47.38
		280	1481.84	73.78	-19.30	-4.19	58.66	-34.33	200.83	-59.17	122.64	19.02	119.23
		528	1240.94	78.16	-1.80	17.69	58.66	-34.33	235.79	93.98	164.63	165.14	70.91
		90	687.34	95.28	-1.68	23.36	70.24	-42.44	119.58	59.29	59.30	119.57	-0.94
40	11	218	480.03	113.72	-0.91	24.50	88.32	-47.61	36.68	-36.17	15.77	-15.26	32.95
		280	1167.40	165.73	-0.38	41.77	123.58	-72.29	152.62	-38.89	95.97	17.75	87.40
		528	930.04	163.98	-5.75	34.65	123.58	-72.29	175.87	80.76	127.03	129.60	47.53
		90	599.67	112.22	-6.52	17.38	88.32	-47.61	97.53	45.88	46.83	96.59	-6.92
41	1	92	911.79	228.90	6.45	83.50	151.84	-105.85	139.90	86.63	90.76	135.77	-14.25
		94	949.05	209.09	6.44	76.99	138.55	-96.54	147.13	72.93	90.78	129.27	-31.71
		432	235.80	203.19	-5.63	59.01	138.55	-96.54	-4.60	-18.73	-18.44	-4.90	-2.01
		221	380.20	222.99	-5.62	65.53	151.84	-105.85	10.00	-26.86	-18.47	1.60	15.46
41	2	92	939.98	258.29	5.75	95.41	168.63	-120.85	140.23	86.72	91.97	134.98	-15.92
		94	986.57	241.30	5.74	89.82	157.22	-112.86	148.44	72.23	91.89	128.77	-33.35
		432	262.65	234.91	-6.72	70.97	157.22	-112.86	-4.97	-17.20	-16.65	-5.52	-2.52
		221	402.10	251.92	-6.72	76.56	168.63	-120.85	9.28	-25.16	-16.57	0.69	14.90
41	3	92	903.77	146.24	2.51	76.22	72.53	-71.85	151.90	91.43	100.93	142.41	-22.00
		94	954.92	122.72	1.49	68.14	56.06	-60.31	163.47	72.91	98.79	137.59	-40.91
		432	159.34	106.92	-15.46	35.40	56.06	-60.31	-7.53	-12.18	-11.64	-8.07	1.49
		221	350.06	131.30	-15.30	43.47	72.53	-71.85	14.26	-27.02	-9.51	-3.25	20.40
41	4	92	1037.23	187.83	6.99	74.69	120.14	-87.52	175.37	94.71	95.18	174.91	-6.10
		94	1064.02	172.38	6.95	69.59	109.74	-80.24	176.08	75.40	88.77	162.70	-34.17
		432	444.07	163.01	-11.13	42.14	109.74	-80.24	-26.87	-66.20	-63.75	-29.32	9.52
		221	639.99	178.49	-11.12	47.24	120.14	-87.52	5.40	-79.86	-57.34	-17.12	37.59
41	5	92	979.04	248.83	3.48	90.94	161.38	-117.51	151.62	90.44	92.83	149.23	-11.84
		94	1011.90	222.32	3.46	82.21	143.57	-105.04	157.07	74.76	91.12	140.71	-32.85
		432	311.10	214.26	-12.51	58.18	143.57	-105.04	-13.56	-34.05	-34.02	-13.59	0.84
		221	490.04	240.79	-12.51	66.90	161.38	-117.51	7.05	-44.43	-32.31	-5.08	21.84
41	6	92	933.09	257.29	2.71	90.73	169.26	-121.08	139.27	86.92	91.35	134.83	-14.58
		94	966.86	229.74	2.70	81.67	150.77	-108.14	146.70	72.23	90.99	127.94	-32.33
		432	262.93	223.15	-10.80	61.58	150.77	-108.14	-5.64	-19.38	-18.62	-6.40	-3.14
		221	401.11	250.69	-10.79	70.64	169.26	-121.08	8.48	-26.24	-18.26	0.49	14.61
41	7	92	883.25	201.33	6.42	74.70	133.05	-92.99	138.43	87.67	92.19	133.92	-14.44
		94	922.46	184.57	6.41	69.19	121.79	-85.11	146.28	73.49	92.33	127.45	-31.88
		432	205.78	178.52	-5.91	50.81	121.79	-85.11	-6.41	-17.55	-17.10	-6.86	-2.20
		221	352.46	195.28	-5.90	56.32	133.05	-92.99	8.59	-26.22	-17.24	-0.40	15.23
41	8	92	696.55	109.63	1.26	58.97	51.91	-54.07	117.67	70.28	78.09	109.86	-17.58
		94	736.75	91.09	0.26	52.55	38.80	-44.89	126.82	55.93	76.38	106.36	-32.12
		432	118.84	77.89	-12.75	26.35	38.80	-44.89	-5.41	-8.91	-8.28	-6.05	1.34
		221	267.99	97.26	-12.57	32.77	51.91	-54.07	11.45	-20.57	-6.57	-2.54	15.88
41	9	92	643.93	156.90	4.57	57.72	103.76	-72.60	99.54	62.01	64.97	96.58	-10.11

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		94	670.76	143.35	4.57	53.26	94.66	-66.23	104.77	52.01	64.88	91.90	-22.66
		432	160.31	139.05	-4.15	40.24	94.66	-66.23	-3.86	-13.33	-13.14	-4.06	-1.34
		221	267.31	152.61	-4.14	44.70	103.76	-72.60	6.91	-19.33	-13.04	0.63	11.20
41	10	92	639.17	110.48	2.89	53.67	59.70	-53.71	106.13	64.77	70.62	100.27	-14.42
		94	673.83	94.69	2.48	48.34	48.83	-46.10	113.84	52.00	69.33	96.52	-27.77
		432	119.98	85.34	-9.39	27.12	48.83	-46.10	-5.72	-9.46	-9.36	-5.82	0.60
		221	250.08	101.49	-9.34	32.45	59.70	-53.71	9.20	-19.33	-8.06	-2.07	13.95
41	11	92	655.66	172.68	2.50	61.73	113.44	-81.07	99.19	62.17	65.31	96.06	-10.30
		94	680.62	154.82	2.49	55.86	101.45	-72.67	104.53	51.61	64.99	91.15	-23.00
		432	175.37	150.14	-7.02	41.67	101.45	-72.67	-4.45	-13.68	-13.24	-4.89	-1.97
		221	278.90	168.00	-7.01	47.54	113.44	-81.07	6.07	-18.99	-12.92	7.82e-03	10.73
42	1	412	521.76	209.74	-1.32	71.44	136.98	-100.31	31.93	-48.10	21.41	-37.59	-27.03
		95	557.74	194.91	-1.33	66.56	127.02	-93.35	46.31	-37.70	31.86	-23.24	-31.71
		89	1016.90	191.57	-7.98	56.57	127.02	-93.35	-22.24	-150.14	-34.41	-137.97	37.52
		282	1114.08	206.40	-7.98	61.45	136.98	-100.31	-30.26	-166.91	-44.85	-152.32	42.20
42	2	412	562.84	229.13	1.91	81.16	149.88	-108.29	35.67	-50.85	24.92	-40.10	-28.54
		95	599.17	213.24	1.90	75.93	139.21	-100.82	49.95	-40.38	35.19	-25.62	-33.40
		89	1055.66	204.43	-16.64	48.59	139.21	-100.82	-20.26	-153.09	-31.58	-141.76	37.09
		282	1154.37	220.31	-16.62	53.82	149.88	-108.29	-28.12	-169.98	-41.85	-156.25	41.95
42	3	412	655.11	196.34	9.25	79.12	126.47	-90.50	48.10	-63.39	38.24	-53.53	-31.66
		95	696.33	153.71	9.13	65.06	97.77	-70.42	68.63	-49.28	53.44	-34.09	-39.50
		89	1419.78	133.10	-42.57	-7.24	97.77	-70.42	-30.02	-225.82	-49.54	-206.30	58.67
		282	1575.72	175.13	-41.85	6.82	126.47	-90.50	-40.82	-249.66	-64.74	-225.74	66.51
42	4	412	459.25	31.61	8.21	16.46	23.36	-11.18	15.99	-66.37	12.60	-62.98	-16.36
		95	446.63	50.36	8.22	22.63	35.95	-19.99	25.47	-57.54	18.98	-51.06	-22.27
		89	1007.36	43.50	-17.00	-9.45	35.95	-19.99	-26.30	-171.17	-40.41	-157.07	42.94
		282	1071.91	26.34	-18.60	-15.62	23.36	-11.18	-29.67	-186.12	-46.79	-168.99	48.85
42	5	412	451.06	123.37	6.51	46.16	83.72	-55.33	26.09	-52.60	18.19	-44.69	-23.65
		95	487.86	136.68	6.51	50.54	92.66	-61.59	38.99	-42.72	27.29	-31.02	-28.62
		89	997.19	127.94	-14.84	20.44	92.66	-61.59	-22.96	-155.30	-36.02	-142.24	39.47
		282	1067.61	114.75	-14.96	16.06	83.72	-55.33	-29.50	-171.54	-45.12	-155.91	44.45
42	6	412	499.28	171.83	2.80	60.03	114.59	-79.99	32.83	-48.03	22.16	-37.36	-27.37
		95	545.35	176.65	2.80	61.62	117.83	-82.25	47.32	-37.37	32.68	-22.74	-32.02
		89	1008.47	170.77	-9.96	42.98	117.83	-82.25	-21.21	-150.77	-33.70	-138.27	38.25
		282	1088.10	165.96	-9.97	41.40	114.59	-79.99	-29.34	-167.79	-44.23	-152.89	42.90
42	7	412	500.07	161.28	0.32	54.90	106.69	-76.20	32.81	-49.75	22.56	-39.50	-27.22
		95	537.79	157.75	0.32	53.75	104.33	-74.54	47.13	-39.16	33.08	-25.11	-31.86
		89	993.82	154.85	-5.66	44.86	104.33	-74.54	-21.39	-151.68	-33.21	-139.86	37.41
		282	1079.81	158.37	-5.66	46.02	106.69	-76.20	-29.55	-168.43	-43.73	-154.25	42.05
42	8	412	516.77	156.04	7.67	63.43	100.28	-71.86	38.23	-49.61	30.59	-41.97	-24.75
		95	549.10	119.96	7.56	51.53	76.00	-54.86	54.49	-38.51	42.63	-26.64	-31.03
		89	1124.36	102.96	-35.61	-8.65	76.00	-54.86	-23.76	-179.03	-39.35	-163.44	46.66
		282	1249.96	138.47	-34.93	3.25	100.28	-71.86	-32.26	-197.89	-51.38	-178.77	52.94
42	9	412	366.49	139.21	-0.53	47.55	91.13	-66.39	22.85	-34.72	15.50	-27.37	-19.20
		95	392.30	130.51	-0.53	44.69	85.29	-62.30	33.09	-27.25	22.98	-17.13	-22.54
		89	721.84	128.01	-5.55	37.17	85.29	-62.30	-15.72	-107.76	-24.39	-99.09	26.88
		282	789.29	136.71	-5.55	40.03	91.13	-66.39	-21.47	-119.73	-31.86	-109.33	30.22
42	10	412	440.98	131.75	5.37	51.82	85.29	-60.94	31.82	-43.20	24.85	-36.23	-21.77
		95	469.31	107.58	5.32	43.86	69.04	-49.56	45.49	-33.68	34.97	-23.16	-26.87
		89	945.71	95.28	-24.53	1.71	69.04	-49.56	-20.05	-149.80	-32.80	-137.05	38.62
		282	1045.80	119.20	-24.22	9.68	85.29	-60.94	-27.35	-165.69	-42.91	-150.12	43.72
42	11	412	354.45	118.15	1.76	41.22	78.70	-55.09	23.35	-34.68	15.92	-27.25	-19.39
		95	385.56	120.36	1.76	41.94	80.18	-56.13	33.65	-27.07	23.44	-16.85	-22.71
		89	717.22	116.46	-6.66	29.62	80.18	-56.13	-15.15	-108.11	-24.00	-99.26	27.28
		282	774.94	114.26	-6.67	28.89	78.70	-55.09	-20.96	-120.22	-31.52	-109.66	30.61
43	1	523	1222.44	207.33	10.11	67.25	150.19	-89.47	227.78	119.97	175.28	172.47	53.88
		92	874.86	227.72	10.14	73.97	163.90	-99.07	130.70	57.85	63.16	125.40	-18.93
		221	584.68	226.92	8.17	71.19	163.90	-99.07	43.95	-31.73	29.75	-17.53	29.54
		280	1443.50	206.54	8.13	64.48	150.19	-89.47	202.46	-31.05	141.87	29.54	102.36
43	2	523	1220.56	227.73	10.10	77.86	159.97	-100.77	226.32	121.67	176.90	171.10	52.24
		92	901.46	256.49	10.11	87.32	179.27	-114.29	130.68	57.42	63.92	124.18	-20.83
		221	609.31	256.11	9.28	86.11	179.27	-114.29	44.20	-31.94	31.25	-18.99	28.60
		280	1460.19	227.35	9.27	76.65	159.97	-100.77	203.22	-31.05	144.24	27.92	101.68
43	3	523	1253.87	105.98	8.96	65.97	48.97	-47.76	236.15	135.20	195.00	176.35	49.60
		92	857.81	143.83	10.89	79.05	75.67	-66.45	142.14	55.73	68.19	129.68	-30.36
		221	594.84	139.55	6.55	70.44	75.67	-66.45	52.20	-44.62	38.07	-30.49	34.18
		280	1560.78	101.11	5.22	57.36	48.97	-47.76	226.74	-45.69	164.88	16.17	114.14
43	4	523	1600.36	104.19	25.73	47.00	82.92	-34.88	302.41	123.60	210.27	215.75	89.36
		92	949.07	188.46	25.89	74.76	139.59	-74.54	154.96	61.62	62.16	154.42	-7.06
		221	821.48	183.82	13.97	58.20	139.59	-74.54	57.77	-69.99	18.07	-30.30	59.13
		280	1912.44	100.33	13.03	30.44	82.92	-34.88	268.20	-70.99	166.17	31.03	155.55
43	5	523	1355.48	178.92	24.12	58.83	144.20	-64.56	253.26	121.73	186.98	188.01	65.76

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		92	931.32	250.19	24.80	82.49	192.49	-98.36	138.41	59.25	62.33	135.33	-15.31
		221	673.96	249.39	22.45	79.35	192.49	-98.36	46.17	-43.38	24.98	-22.19	38.06
		280	1581.19	178.22	21.67	55.69	144.20	-64.56	223.26	-43.13	149.63	30.49	119.13
43	6	523	1229.57	204.98	18.60	60.30	163.27	-77.68	227.02	120.11	175.33	171.80	53.43
		92	903.16	258.59	19.18	78.13	199.65	-103.14	129.81	56.55	62.29	124.06	-19.69
		221	599.30	259.25	21.17	80.77	199.65	-103.14	42.35	-31.85	29.44	-18.94	28.13
		280	1424.10	205.57	20.64	62.94	163.27	-77.68	201.75	-30.48	142.47	28.80	101.25
43	7	523	1214.13	174.46	10.22	56.43	128.25	-73.85	227.58	119.85	176.69	170.74	53.78
		92	843.14	200.15	10.28	64.90	145.53	-85.95	129.24	59.04	64.67	123.61	-19.07
		221	568.05	199.40	8.41	62.28	145.53	-85.95	44.45	-32.98	31.00	-19.53	29.33
		280	1426.19	173.74	8.33	53.82	128.25	-73.85	202.66	-32.05	143.03	27.59	102.18
43	8	523	963.37	79.01	5.55	51.80	32.76	-35.47	181.29	104.98	150.71	135.57	37.40
		92	661.86	108.06	7.57	62.01	53.61	-50.07	110.19	42.11	52.41	99.89	-24.40
		221	457.14	104.38	4.23	55.00	53.61	-50.07	40.40	-34.93	29.66	-24.19	26.34
		280	1205.42	74.75	2.79	44.78	32.76	-35.47	175.36	-35.91	127.95	11.49	88.14
43	9	523	872.16	140.04	7.34	45.84	101.54	-60.23	162.95	85.49	125.59	122.84	38.71
		92	616.45	156.04	7.36	51.11	112.29	-67.75	92.95	41.71	45.46	89.20	-13.35
		221	415.56	155.43	5.89	49.03	112.29	-67.75	31.74	-23.12	21.56	-12.94	21.33
		280	1029.57	139.45	5.86	43.77	101.54	-60.23	145.01	-22.62	101.69	20.70	73.38
43	10	523	889.05	82.27	8.17	45.13	45.31	-37.05	167.56	93.98	136.55	124.99	36.33
		92	606.19	108.45	8.76	53.93	63.27	-49.63	99.20	40.64	48.26	91.58	-19.69
		221	421.22	106.11	5.78	48.61	63.27	-49.63	36.30	-30.26	26.18	-20.14	23.90
		280	1094.64	79.71	5.40	39.81	45.31	-37.05	158.47	-30.73	114.47	13.27	79.93
43	11	523	876.13	138.62	12.17	41.98	108.81	-53.67	162.53	85.56	125.62	122.47	38.45
		92	632.10	173.11	12.46	53.42	132.15	-70.01	92.45	40.99	44.98	88.46	-13.77
		221	423.55	173.35	13.16	54.35	132.15	-70.01	30.85	-23.19	21.38	-13.72	20.54
		280	1018.79	138.84	12.88	42.92	108.81	-53.67	144.61	-22.31	102.02	20.29	72.77
44	1	94	956.00	208.81	7.87	78.42	138.26	-95.91	141.53	39.18	62.03	118.69	-42.62
		410	1046.63	205.01	7.87	77.17	135.71	-94.12	152.02	23.65	53.62	122.06	-54.30
		281	331.30	200.30	-1.46	63.13	135.71	-94.12	34.20	10.96	11.07	34.08	1.64
		432	308.59	204.10	-1.46	64.38	138.26	-95.91	39.55	10.64	19.48	30.71	13.32
44	2	94	995.71	241.29	8.49	90.83	158.95	-111.31	142.83	38.95	63.34	118.44	-44.03
		410	1091.19	240.40	8.49	90.54	158.35	-110.89	153.45	23.12	54.58	121.99	-55.77
		281	362.47	234.82	-2.44	74.03	158.35	-110.89	34.09	12.85	12.93	34.02	1.27
		432	331.59	235.71	-2.44	74.32	158.95	-111.31	39.81	12.34	21.69	30.46	13.01
44	3	94	951.93	119.97	11.26	62.79	68.44	-54.28	157.06	42.09	71.32	127.82	-50.07
		410	1053.37	117.55	11.21	61.98	66.78	-53.12	169.40	25.93	62.23	133.10	-62.37
		281	249.45	103.96	-9.11	28.07	66.78	-53.12	36.58	17.50	18.29	35.79	3.79
		432	290.19	106.44	-9.11	28.88	68.44	-54.28	45.12	12.78	27.38	30.51	16.09
44	4	94	1093.78	171.11	9.77	67.85	113.04	-77.44	173.84	42.81	61.17	155.48	-45.48
		410	1238.98	181.28	9.79	71.20	119.87	-82.22	189.41	23.49	50.70	162.19	-61.44
		281	419.36	175.57	-1.49	54.21	119.87	-82.22	42.36	-21.13	-11.08	32.31	23.18
		432	547.11	165.39	-1.50	50.86	113.04	-77.44	53.76	-28.78	-0.61	25.60	39.13
44	5	94	1027.78	221.88	8.98	83.95	146.91	-101.69	152.54	40.48	62.12	130.90	-44.24
		410	1140.99	227.09	8.98	85.67	150.41	-104.14	164.91	24.23	53.53	135.61	-57.12
		281	328.62	221.70	-1.72	69.57	150.41	-104.14	35.68	1.95	4.14	33.49	8.32
		432	397.21	216.49	-1.72	67.85	146.91	-101.69	43.43	-1.92	12.73	28.78	21.21
44	6	94	974.39	229.67	8.18	85.22	152.62	-105.49	141.05	38.91	62.56	117.40	-43.09
		410	1069.30	230.81	8.18	85.60	153.39	-106.03	151.61	23.95	54.60	120.96	-54.53
		281	351.99	226.08	-1.28	71.42	153.39	-106.03	33.34	11.91	11.98	33.27	1.20
		432	316.84	224.93	-1.28	71.04	152.62	-105.49	38.37	11.28	19.94	29.71	12.64
44	7	94	926.72	184.40	8.34	70.92	121.82	-84.27	140.59	39.61	63.42	116.78	-42.87
		410	1018.08	182.10	8.34	70.16	120.27	-83.19	151.13	24.12	55.08	120.17	-54.53
		281	301.42	177.09	-1.52	55.30	120.27	-83.19	32.18	12.29	12.39	32.08	1.40
		432	288.38	179.40	-1.52	56.06	121.82	-84.27	38.37	11.05	20.74	28.69	13.07
44	8	94	733.72	88.45	8.67	47.92	49.20	-39.89	121.81	32.46	55.37	98.90	-39.01
		410	811.96	86.46	8.61	47.25	47.82	-38.92	131.40	20.08	48.38	103.10	-48.47
		281	189.96	75.17	-7.57	19.79	47.82	-38.92	28.53	14.00	14.63	27.90	2.96
		432	222.86	77.23	-7.57	20.46	49.20	-39.89	35.12	10.21	21.62	23.70	12.41
44	9	94	675.31	143.16	5.72	54.23	94.65	-65.68	100.80	28.02	44.43	84.39	-30.41
		410	740.46	140.84	5.72	53.47	93.09	-64.59	108.31	16.90	38.40	86.81	-38.78
		281	228.57	137.38	-1.12	43.17	93.09	-64.59	23.95	7.88	7.98	23.84	1.30
		432	217.36	139.70	-1.12	43.93	94.65	-65.68	28.06	7.38	14.01	21.42	9.66
44	10	94	672.99	93.57	7.84	45.55	55.87	-42.56	109.42	29.64	49.60	89.46	-34.55
		410	744.17	92.01	7.82	45.03	54.80	-41.81	117.97	18.16	43.19	92.94	-43.26
		281	182.44	83.86	-5.37	23.68	54.80	-41.81	25.26	11.53	11.99	24.79	2.49
		432	206.22	85.44	-5.37	24.21	55.87	-42.56	31.15	8.57	18.40	21.31	11.20
44	11	94	685.53	154.75	5.89	58.01	102.63	-71.01	100.53	27.86	44.73	83.67	-30.68
		410	753.06	155.17	5.89	58.15	102.92	-71.21	108.09	17.06	38.95	86.20	-38.90
		281	239.91	151.70	-1.02	47.77	102.92	-71.21	23.47	8.41	8.49	23.39	1.05
		432	221.85	151.28	-1.02	47.63	102.63	-71.01	27.41	7.72	14.27	20.87	9.27
45	1	95	513.88	195.65	5.47	67.08	134.04	-89.00	69.53	5.50	64.89	10.14	-16.60

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		100	680.95	213.39	5.47	72.92	145.95	-97.34	95.19	5.19	86.73	13.65	-26.27
		218	930.12	210.28	-1.32	63.01	145.95	-97.34	-51.03	-146.40	-51.83	-145.60	8.70
		89	955.47	192.55	-1.34	57.18	134.04	-89.00	-69.43	-153.34	-73.67	-149.11	18.37
45	2	95	559.63	214.06	5.09	78.94	140.20	-99.89	73.81	3.63	68.97	8.47	-17.78
		100	722.94	222.38	5.10	81.68	145.79	-103.81	99.37	2.80	90.49	11.67	-27.90
		218	956.31	212.55	-15.63	51.12	145.79	-103.81	-49.27	-150.38	-49.82	-149.82	7.47
		89	984.65	204.23	-15.64	48.38	140.20	-99.89	-67.72	-156.66	-71.35	-153.03	17.59
45	3	95	690.28	159.18	-2.17	78.55	78.46	-80.67	97.78	0.59	92.80	5.58	-21.44
		100	915.12	116.76	-3.98	64.00	48.77	-59.89	141.26	5.91	133.57	13.60	-31.33
		218	1225.65	82.47	-57.67	-23.97	48.77	-59.89	-73.09	-218.98	-74.38	-217.69	13.64
		89	1299.41	126.38	-57.34	-9.42	78.46	-80.67	-110.36	-230.52	-115.16	-225.72	23.53
45	4	95	399.25	50.54	4.36	14.54	40.35	-19.14	57.19	-13.48	56.71	-13.00	-5.79
		100	515.23	76.56	4.61	23.18	57.99	-31.49	73.25	-17.50	68.98	-13.23	-19.21
		218	959.02	70.61	-20.57	-7.95	57.99	-31.49	-56.03	-168.57	-58.74	-165.86	17.27
		89	968.36	46.19	-22.43	-16.59	40.35	-19.14	-61.93	-174.72	-71.01	-165.63	30.70
45	5	95	443.75	137.16	5.11	46.81	95.46	-61.38	64.22	0.66	61.31	3.58	-13.30
		100	608.95	163.46	5.11	55.46	113.11	-73.74	87.17	-0.81	80.11	6.25	-23.90
		218	926.25	153.82	-20.45	20.25	113.11	-73.74	-51.89	-151.13	-53.40	-149.62	12.14
		89	940.65	127.87	-20.80	11.61	95.46	-61.38	-66.20	-158.29	-72.20	-152.29	22.74
45	6	95	507.63	177.44	3.80	61.45	119.79	-81.78	70.17	5.54	65.32	10.39	-17.03
		100	679.67	201.20	3.80	69.26	135.73	-92.94	96.50	6.13	88.11	14.53	-26.24
		218	922.99	193.80	-13.02	45.04	135.73	-92.94	-50.05	-146.26	-50.97	-145.33	9.39
		89	942.43	170.11	-13.10	37.23	119.79	-81.78	-69.44	-153.80	-73.76	-149.48	18.60
45	7	95	498.91	158.43	2.45	55.00	105.87	-73.73	70.56	3.73	66.04	8.25	-16.78
		100	664.77	173.40	2.45	59.93	115.92	-80.76	96.13	3.46	87.83	11.76	-26.46
		218	908.80	169.44	-5.96	47.56	115.92	-80.76	-49.90	-148.24	-50.66	-147.49	8.58
		89	932.46	154.48	-5.97	42.63	105.87	-73.73	-68.42	-155.03	-72.45	-151.00	18.26
45	8	95	546.86	124.81	-2.31	62.90	59.60	-63.54	77.28	0.40	73.36	4.32	-16.91
		100	724.85	88.11	-4.20	50.21	33.70	-45.41	112.08	4.85	106.13	10.81	-24.55
		218	966.61	58.91	-48.11	-22.91	33.70	-45.41	-58.07	-173.54	-59.08	-172.53	10.75
		89	1027.33	97.19	-47.81	-10.22	59.60	-63.54	-88.12	-182.74	-91.85	-179.02	18.39
45	9	95	362.02	131.01	3.43	45.15	89.29	-59.85	49.74	3.43	46.52	6.65	-11.78
		100	481.08	142.94	3.43	49.08	97.30	-65.45	68.10	3.31	62.20	9.21	-18.63
		218	660.03	140.39	-2.12	40.97	97.30	-65.45	-36.17	-105.08	-36.76	-104.49	6.33
		89	677.87	128.47	-2.13	37.05	89.29	-59.85	-49.43	-110.06	-52.44	-107.05	13.18
45	10	95	460.10	110.30	-0.36	51.52	58.42	-55.22	65.43	0.70	62.02	4.11	-14.47
		100	610.13	88.37	-0.93	44.12	43.32	-44.65	93.67	3.73	88.23	9.18	-21.45
		218	824.13	69.32	-33.36	-7.35	43.32	-44.65	-48.43	-145.40	-49.29	-144.54	9.07
		89	868.93	91.69	-33.23	0.05	58.42	-55.22	-72.17	-152.93	-75.49	-149.61	16.05
45	11	95	358.74	120.90	2.50	42.02	81.38	-55.84	50.09	3.45	46.75	6.79	-12.02
		100	480.50	136.17	2.50	47.05	91.63	-63.01	68.83	3.83	62.97	9.70	-18.62
		218	656.10	131.23	-8.62	30.99	91.63	-63.01	-35.62	-105.00	-36.28	-104.35	6.71
		89	670.67	116.00	-8.66	25.96	81.38	-55.84	-49.43	-110.32	-52.49	-107.25	13.31
46	1	100	636.23	214.29	-1.21	78.26	134.82	-103.97	98.34	31.70	96.93	33.11	-9.58
		523	628.85	208.18	-1.22	76.25	130.71	-101.10	86.40	64.52	74.97	75.95	-10.93
		280	1242.89	201.14	-14.42	56.01	130.71	-101.10	154.38	-45.17	106.58	2.63	85.17
		218	1443.24	207.26	-14.42	58.02	134.82	-103.97	165.01	-76.68	128.54	-40.21	86.51
46	2	100	666.72	222.89	3.51	83.64	142.76	-105.63	102.69	29.49	101.06	31.13	-10.81
		523	659.00	231.33	3.52	86.42	148.43	-109.60	88.86	65.44	78.89	75.41	-11.58
		280	1295.22	219.93	-19.58	51.92	148.43	-109.60	160.34	-44.83	112.69	2.82	86.64
		218	1489.81	211.49	-19.59	49.14	142.76	-105.63	170.84	-77.45	134.85	-41.46	87.41
46	3	100	799.89	111.06	16.88	57.82	70.12	-46.69	131.58	16.85	128.65	19.78	-18.11
		523	730.02	108.79	16.85	57.06	68.58	-45.61	123.06	86.26	120.23	89.08	-9.80
		280	1676.95	88.61	-35.26	-15.23	68.58	-45.61	224.59	-65.98	158.22	0.38	121.98
		218	1829.29	90.82	-35.18	-14.48	70.12	-46.69	212.54	-114.83	166.64	-68.92	113.67
46	4	100	522.85	78.10	-0.36	10.15	67.59	-26.73	93.64	24.52	93.28	24.88	4.98
		523	417.87	104.03	0.75	19.05	85.74	-39.43	63.47	39.13	40.47	62.13	-5.55
		280	1315.76	101.87	-10.64	5.49	85.74	-39.43	156.23	-76.15	96.53	-16.45	101.54
		218	1666.67	76.53	-12.34	-3.40	67.59	-26.73	199.03	-103.39	149.34	-53.71	112.06
46	5	100	568.61	162.74	1.94	54.11	110.57	-75.28	95.00	31.17	94.61	31.57	-5.01
		523	559.90	177.55	1.94	58.98	120.51	-82.24	78.10	57.18	63.15	72.12	-9.45
		280	1259.51	168.18	-21.37	26.30	120.51	-82.24	152.57	-54.47	101.40	-3.30	89.31
		218	1500.53	153.49	-21.49	21.43	110.57	-75.28	173.32	-84.33	132.85	-43.86	93.75
46	6	100	633.65	202.12	-1.23	75.98	124.92	-98.69	98.68	31.39	97.14	32.94	-10.07
		523	630.52	204.56	-1.22	76.78	126.56	-99.84	87.37	65.25	76.55	76.07	-11.06
		280	1242.80	193.76	-21.77	45.43	126.56	-99.84	154.19	-44.92	106.88	2.39	84.74
		218	1431.34	191.31	-21.77	44.62	124.92	-98.69	163.46	-76.73	127.47	-40.74	85.73
46	7	100	620.50	174.74	-1.48	66.27	106.99	-85.72	99.44	29.82	98.03	31.23	-9.81
		523	599.98	175.60	-1.48	66.55	107.57	-86.13	86.30	63.87	76.12	74.06	-11.17
		280	1224.19	167.88	-15.45	44.86	107.57	-86.13	154.47	-46.27	107.59	0.62	84.93
		218	1422.20	167.01	-15.45	44.57	106.99	-85.72	165.37	-78.08	129.50	-42.21	86.29
46	8	100	630.60	82.64	14.23	44.69	52.18	-34.00	103.49	11.98	101.05	14.42	-14.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		523	574.94	80.22	14.19	43.88	50.53	-32.85	97.79	67.60	95.72	69.66	-7.62
		280	1321.38	64.09	-29.05	-15.49	50.53	-32.85	177.50	-52.05	125.19	0.27	96.29
		218	1434.79	66.43	-28.94	-14.68	52.18	-34.00	166.43	-90.89	130.52	-54.98	89.17
46	9	100	449.27	143.61	-0.69	52.77	90.15	-69.69	70.45	22.12	69.50	23.08	-6.72
		523	440.81	140.73	-0.70	51.82	88.22	-68.33	61.42	46.23	53.87	53.78	-7.60
		280	886.57	135.53	-10.47	36.84	88.22	-68.33	110.80	-32.62	76.61	1.57	61.11
		218	1028.47	138.41	-10.47	37.79	90.15	-69.69	118.30	-55.20	92.24	-29.14	61.98
46	10	100	539.14	86.21	9.41	41.41	54.21	-37.86	88.91	13.88	87.12	15.67	-11.46
		523	494.37	85.45	9.40	41.16	53.70	-37.50	81.40	58.69	79.01	61.08	-6.97
		280	1127.37	72.42	-21.45	-2.74	53.70	-37.50	149.80	-44.18	105.30	0.32	81.56
		218	1242.76	73.16	-21.44	-2.49	54.21	-37.86	144.70	-76.38	113.41	-45.09	77.07
46	11	100	447.97	136.85	-0.70	51.49	84.65	-66.75	70.64	21.95	69.61	22.98	-6.99
		523	441.82	138.72	-0.70	52.11	85.91	-67.63	61.98	46.62	54.74	53.85	-7.67
		280	886.56	131.44	-14.56	30.96	85.91	-67.63	110.70	-32.48	76.78	1.44	60.87
		218	1021.91	129.56	-14.56	30.35	84.65	-66.75	117.44	-55.23	91.65	-29.43	61.55
47	1	209	1127.70	200.06	2.85	79.10	123.81	-96.04	-76.41	-187.96	-79.56	-184.81	18.49
		101	1227.32	232.90	2.95	89.93	145.91	-111.51	-108.44	-201.39	-115.10	-194.73	23.97
		94	495.54	230.84	-0.51	84.42	145.91	-111.51	51.86	-12.86	46.96	-7.95	-17.14
		92	652.41	197.97	-0.57	73.59	123.81	-96.04	88.41	-3.95	82.50	1.97	-22.61
47	2	209	1147.90	234.08	2.13	89.47	146.74	-112.39	-76.50	-186.82	-79.30	-184.01	17.35
		101	1251.51	270.05	2.21	101.32	170.93	-129.32	-109.23	-200.27	-115.32	-194.18	22.74
		94	539.43	268.85	0.14	98.05	170.93	-129.32	53.81	-11.95	47.87	-6.01	-18.85
		92	689.35	232.86	0.08	86.20	146.74	-112.39	90.68	-2.63	83.89	4.16	-24.24
47	3	209	1148.99	164.72	1.35	78.51	87.56	-81.56	-75.46	-199.35	-78.12	-196.69	17.93
		101	1257.75	206.34	2.07	92.44	115.98	-101.45	-108.05	-213.55	-113.80	-207.80	23.95
		94	565.80	202.54	-2.93	83.64	115.98	-101.45	59.94	-19.92	52.13	-12.11	-23.72
		92	718.83	160.69	-3.41	69.71	87.56	-81.56	96.85	-10.05	87.81	-1.01	-29.74
47	4	209	1046.66	167.86	4.22	71.38	100.71	-80.49	-78.88	-177.47	-83.13	-173.22	20.02
		101	1173.29	211.21	4.47	85.71	129.96	-100.97	-109.30	-193.28	-118.83	-183.75	26.64
		94	512.49	208.75	0.56	79.35	129.96	-100.97	60.14	5.39	50.79	14.74	-20.60
		92	659.99	165.31	0.42	65.02	100.71	-80.49	96.84	14.92	86.49	25.27	-27.22
47	5	209	1120.67	203.68	5.06	80.34	128.40	-96.36	-78.39	-185.91	-81.82	-182.47	18.90
		101	1239.99	251.73	5.17	96.17	160.72	-118.98	-110.88	-200.25	-118.29	-192.84	24.64
		94	522.25	250.76	3.50	93.54	160.72	-118.98	55.04	-6.22	48.68	0.14	-18.69
		92	668.90	202.69	3.42	77.70	128.40	-96.36	92.43	3.22	85.15	10.51	-24.43
47	6	209	1136.08	204.17	4.82	78.71	130.27	-96.28	-75.89	-188.47	-78.97	-185.39	18.36
		101	1245.30	249.95	4.89	93.79	161.04	-117.83	-108.31	-201.93	-114.76	-195.48	23.71
		94	511.55	249.31	3.75	92.02	161.04	-117.83	52.41	-13.67	47.37	-8.63	-17.54
		92	659.32	203.51	3.69	76.94	130.27	-96.28	89.14	-4.52	83.17	1.46	-22.89
47	7	209	1117.67	172.57	3.10	70.71	104.96	-82.98	-75.27	-190.27	-78.27	-187.27	18.33
		101	1216.79	208.55	3.26	82.59	129.22	-99.96	-107.51	-203.51	-113.83	-197.18	23.82
		94	488.90	206.30	-0.43	76.65	129.22	-99.96	53.12	-14.96	48.39	-10.23	-17.31
		92	648.17	170.25	-0.52	64.76	104.96	-82.98	89.73	-6.09	83.95	-0.32	-22.80
47	8	209	886.93	126.97	0.86	61.25	66.57	-63.00	-58.13	-154.07	-60.14	-152.06	13.73
		101	971.13	159.28	1.47	72.08	88.67	-78.47	-83.15	-165.03	-87.52	-160.65	18.42
		94	440.97	156.21	-2.49	65.05	88.67	-78.47	46.48	-15.85	40.25	-9.62	-18.69
		92	558.08	123.69	-2.91	54.22	66.57	-63.00	74.84	-8.24	67.63	-1.03	-23.38
47	9	209	798.97	136.98	2.04	54.67	84.35	-65.82	-54.03	-133.91	-56.26	-131.68	13.15
		101	869.95	160.94	2.13	62.58	100.49	-77.11	-76.90	-143.46	-81.59	-138.78	17.03
		94	351.58	159.46	-0.35	58.62	100.49	-77.11	37.25	-9.34	33.74	-5.83	-12.29
		92	463.55	135.47	-0.40	50.72	84.35	-65.82	63.29	-2.95	59.07	1.26	-16.17
47	10	209	810.83	117.26	1.29	54.35	64.21	-57.77	-53.51	-140.23	-55.45	-138.29	12.84
		101	886.86	146.13	1.70	63.97	83.85	-71.52	-76.69	-150.21	-80.86	-146.04	17.01
		94	390.63	143.69	-1.64	58.19	83.85	-71.52	41.72	-13.25	36.61	-8.15	-15.95
		92	500.41	114.69	-1.91	48.56	64.21	-57.77	67.95	-6.32	62.02	-0.39	-20.12
47	11	209	803.64	139.24	3.15	54.46	87.94	-65.95	-53.74	-134.19	-55.93	-132.01	13.08
		101	879.94	170.40	3.22	64.72	108.89	-80.62	-76.83	-143.77	-81.40	-139.20	16.88
		94	360.39	169.71	2.02	62.84	108.89	-80.62	37.55	-9.79	33.98	-6.21	-12.51
		92	467.39	138.54	1.98	52.58	87.94	-65.95	63.69	-3.27	59.45	0.97	-16.32
48	1	279	217.67	182.77	0.75	58.06	125.46	-84.54	8.73	-7.87	-7.78	8.63	1.24
		102	393.21	195.67	0.75	62.30	134.12	-90.60	34.25	-9.75	13.50	11.00	21.96
		95	997.01	198.45	6.52	70.85	134.12	-90.60	150.69	41.52	66.64	125.57	-45.95
		412	1128.72	185.55	6.52	66.61	125.46	-84.54	161.49	7.08	45.36	123.20	-66.68
48	2	279	239.11	190.93	-2.26	59.41	129.26	-90.06	9.25	-4.97	-4.89	9.17	-1.05
		102	383.02	206.09	-2.25	64.40	139.44	-97.18	33.52	-5.96	16.08	11.49	19.61
		95	1027.04	211.28	7.97	79.81	139.44	-97.18	154.05	42.42	69.92	126.55	-48.10
		412	1156.00	196.12	7.96	74.83	129.26	-90.06	164.98	8.21	48.96	124.23	-68.76
48	3	279	177.16	109.49	-11.37	28.42	69.70	-56.80	9.21	-4.51	4.75	-0.06	-6.43
		102	318.94	113.91	-11.37	29.87	72.66	-58.88	34.40	-6.40	26.31	1.69	16.26
		95	1071.26	129.21	11.36	67.91	72.66	-58.88	177.18	48.07	90.69	134.56	-60.71
		412	1223.52	124.90	11.25	66.46	69.70	-56.80	190.25	11.70	69.13	132.82	-83.40
48	4	279	255.56	80.79	1.51	26.80	55.50	-36.95	27.86	-8.36	-7.75	27.25	-4.66

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		102	288.89	102.06	1.51	33.79	69.78	-46.95	45.14	6.44	17.94	33.64	17.69
		95	926.27	99.98	-3.20	27.00	69.78	-46.95	155.97	46.87	65.50	137.34	-41.06
		412	1039.06	78.74	-3.24	20.01	55.50	-36.95	163.47	7.29	39.81	130.95	-63.41
48	5	279	226.90	142.94	-0.65	46.77	95.53	-67.53	15.72	-7.99	-7.98	15.70	-0.64
		102	343.53	157.60	-0.65	51.59	105.37	-74.42	37.62	-3.64	14.69	19.28	20.50
		95	966.50	157.82	-0.22	52.23	105.37	-74.42	152.39	42.77	65.46	129.70	-44.41
		412	1093.94	143.15	-0.22	47.41	95.53	-67.53	162.13	6.78	42.79	126.12	-65.55
48	6	279	195.07	162.16	-1.51	52.57	108.09	-76.98	8.31	-7.33	-7.24	8.22	1.19
		102	375.13	173.45	-1.51	56.28	115.67	-82.29	33.88	-9.74	13.77	10.36	21.74
		95	975.48	175.44	2.39	62.16	115.67	-82.29	150.51	41.09	66.77	124.83	-46.37
		412	1108.77	164.15	2.38	58.45	108.09	-76.98	161.41	7.03	45.76	122.68	-66.92
48	7	279	165.71	139.86	-1.27	44.95	93.64	-66.23	6.59	-6.70	-6.60	6.49	1.15
		102	357.99	149.21	-1.27	48.02	99.92	-70.63	33.90	-10.30	14.74	8.86	21.90
		95	945.27	151.50	3.23	54.82	99.92	-70.63	149.49	41.78	67.82	123.45	-46.11
		412	1079.89	142.15	3.22	51.74	93.64	-66.23	160.34	7.22	46.48	121.09	-66.86
48	8	279	140.81	83.56	-9.51	21.12	52.92	-43.73	7.89	-4.11	4.42	-0.64	-5.44
		102	245.92	86.47	-9.51	22.08	54.87	-45.10	26.65	-5.05	20.98	0.61	12.15
		95	835.61	99.46	9.26	53.84	54.87	-45.10	138.41	37.28	71.40	104.29	-47.82
		412	954.25	96.64	9.17	52.89	52.92	-43.73	148.63	9.24	54.84	103.03	-65.40
48	9	279	145.72	121.30	0.17	38.58	82.89	-56.37	5.92	-5.21	-5.17	5.87	0.72
		102	271.24	130.02	0.17	41.45	88.74	-60.46	24.32	-6.74	10.00	7.58	15.48
		95	699.79	131.92	4.08	47.26	88.74	-60.46	107.12	29.69	47.79	89.02	-32.76
		412	793.71	123.21	4.08	44.40	82.89	-56.37	114.79	5.13	32.62	87.31	-47.52
48	10	279	118.92	80.60	-6.57	22.12	51.91	-40.96	4.97	-2.13	1.80	1.04	-3.53
		102	227.94	84.60	-6.57	23.44	54.60	-42.84	24.11	-4.58	17.12	2.41	12.31
		95	740.04	93.19	7.04	45.63	54.60	-42.84	121.72	33.44	61.14	94.02	-40.96
		412	845.41	89.25	6.98	44.31	51.91	-40.96	130.69	7.79	45.82	92.66	-56.81
48	11	279	133.17	109.86	-1.09	35.53	73.24	-52.17	5.69	-4.91	-4.87	5.64	0.70
		102	261.27	117.68	-1.09	38.11	78.49	-55.84	24.12	-6.74	10.15	7.23	15.36
		95	687.84	119.15	1.78	42.44	78.49	-55.84	107.02	29.45	47.86	88.61	-33.00
		412	782.64	111.33	1.78	39.86	73.24	-52.17	114.75	5.11	32.84	87.02	-47.66
49	1	277	1444.42	200.17	8.78	84.50	124.45	-93.59	166.83	-79.33	109.51	-22.01	104.04
		209	1754.49	202.56	8.79	85.29	126.06	-94.71	196.74	-112.39	153.14	-68.79	107.59
		92	590.33	195.81	-2.56	67.19	126.06	-94.71	93.85	20.92	93.42	21.35	-5.60
		523	537.72	193.41	-2.56	66.40	124.45	-93.59	71.92	46.00	49.79	68.13	-9.16
49	2	277	1452.81	229.78	5.71	93.08	142.40	-109.29	165.51	-77.25	109.64	-21.37	102.19
		209	1759.74	236.26	5.73	95.23	146.77	-112.35	193.98	-111.01	151.57	-68.59	105.53
		92	624.50	230.82	-3.39	80.66	146.77	-112.35	94.98	22.08	94.13	22.93	-7.82
		523	585.93	224.32	-3.40	78.52	142.40	-109.29	75.50	46.85	52.19	70.16	-11.16
49	3	277	1426.63	173.23	-6.57	92.07	74.59	-89.48	163.66	-85.97	110.73	-33.03	102.04
		209	1782.94	170.97	-6.69	91.29	72.99	-88.35	201.11	-122.33	159.00	-80.22	108.85
		92	664.75	161.60	-15.11	73.50	72.99	-88.35	103.46	22.07	101.77	23.76	-11.60
		523	573.27	163.91	-15.04	74.28	74.59	-89.48	82.59	41.85	53.50	70.94	-18.41
49	4	277	1431.99	168.92	3.18	84.86	87.23	-82.86	179.96	-66.72	117.45	-4.21	107.29
		209	1737.16	174.07	3.32	86.61	90.78	-85.35	209.96	-99.33	161.29	-50.66	112.62
		92	635.55	161.74	-11.88	59.08	90.78	-85.35	107.42	50.99	107.28	51.13	-2.82
		523	633.86	156.48	-11.91	57.34	87.23	-82.86	99.42	61.60	63.45	97.58	-8.14
49	5	277	1464.88	204.24	3.30	91.67	115.88	-99.74	173.75	-74.84	113.82	-14.91	106.33
		209	1769.25	208.86	3.36	93.20	119.02	-101.94	202.84	-108.20	157.23	-62.59	110.03
		92	613.87	197.58	-13.24	65.32	119.02	-101.94	98.92	30.90	98.52	31.30	-5.20
		523	584.04	192.91	-13.25	63.79	115.88	-99.74	81.93	52.17	55.12	78.98	-8.90
49	6	277	1449.94	202.97	5.13	86.29	121.81	-97.31	167.14	-79.39	110.06	-22.31	103.99
		209	1763.57	208.18	5.17	88.02	125.33	-99.78	197.50	-112.57	154.08	-69.16	107.60
		92	594.09	198.75	-10.28	63.13	125.33	-99.78	94.31	20.33	93.84	20.81	-5.93
		523	538.36	193.50	-10.28	61.40	121.81	-97.31	71.80	45.68	49.82	67.66	-9.53
49	7	277	1426.84	165.83	8.73	73.70	100.86	-77.36	167.63	-80.64	111.14	-24.15	104.08
		209	1747.46	175.08	8.80	76.76	107.12	-81.74	197.97	-114.06	154.91	-71.00	107.62
		92	586.97	168.00	-2.63	58.25	107.12	-81.74	95.35	18.66	94.92	19.09	-5.73
		523	500.94	158.69	-2.64	55.19	100.86	-77.36	70.41	46.69	51.15	65.94	-9.27
49	8	277	1095.39	134.80	-6.28	72.47	56.05	-70.06	124.99	-66.70	84.68	-26.39	78.11
		209	1372.75	132.20	-6.43	71.56	54.21	-68.77	154.47	-94.85	122.24	-62.62	83.65
		92	516.45	124.84	-12.75	57.89	54.21	-68.77	79.89	16.90	78.44	18.35	-9.45
		523	446.89	127.50	-12.65	58.79	56.05	-70.06	64.21	31.25	40.88	54.58	-14.99
49	9	277	1025.54	136.06	6.05	58.23	83.88	-63.73	119.27	-56.42	78.54	-15.70	74.14
		209	1247.05	138.76	6.06	59.12	85.71	-65.00	140.48	-80.02	109.50	-49.04	76.63
		92	420.40	133.92	-1.94	46.27	85.71	-65.00	67.33	14.85	67.03	15.15	-3.95
		523	377.32	131.20	-1.95	45.37	83.88	-63.73	51.23	33.34	36.08	48.50	-6.44
49	10	277	1015.64	120.83	-2.22	62.43	56.18	-61.44	117.50	-60.10	79.22	-21.82	73.03
		209	1262.87	120.89	-2.21	62.45	56.22	-61.47	142.91	-85.54	112.76	-55.39	77.32
		92	461.57	114.55	-8.56	49.77	56.22	-61.47	72.62	15.54	71.68	16.49	-7.29
		523	396.00	114.49	-8.56	49.75	56.18	-61.44	57.12	31.07	38.14	50.06	-11.58
49	11	277	1028.60	137.62	4.01	59.22	82.41	-65.79	119.44	-56.46	78.85	-15.86	74.11

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		209	1252.08	141.90	4.04	60.64	85.30	-67.82	140.90	-80.13	110.02	-49.25	76.63
		92	422.41	135.55	-6.23	44.01	85.30	-67.82	67.59	14.53	67.26	14.85	-4.13
		523	377.59	131.24	-6.24	42.60	82.41	-65.79	51.17	33.16	36.09	48.24	-6.65
50	1	101	1295.39	231.64	-1.87	80.05	149.72	-111.44	-45.02	-198.70	-66.65	-177.08	53.44
		278	1421.25	261.84	-1.86	89.99	170.00	-125.63	-57.81	-218.90	-83.33	-193.38	58.82
		410	456.67	260.30	-4.80	85.51	170.00	-125.63	15.09	-51.00	9.96	-45.88	-17.68
		94	499.96	230.09	-4.80	75.57	149.72	-111.44	34.89	-37.83	26.64	-29.58	-23.06
50	2	101	1322.60	269.01	-2.62	91.52	174.87	-129.27	-45.12	-197.36	-66.25	-176.24	52.63
		278	1453.46	303.88	-2.61	102.99	198.28	-145.65	-58.38	-217.76	-83.35	-192.79	57.93
		410	496.20	302.78	-4.73	99.77	198.28	-145.65	16.96	-49.98	10.93	-43.95	-19.16
		94	540.19	267.90	-4.74	88.30	174.87	-129.27	37.28	-36.65	28.03	-27.39	-24.46
50	3	101	1327.68	204.17	-0.10	77.48	126.59	-99.14	-44.61	-209.72	-64.48	-189.84	53.72
		278	1469.04	246.34	-2.88e-03	91.38	154.96	-119.00	-59.12	-231.24	-82.46	-207.89	58.93
		410	532.16	241.58	-8.51	78.11	154.96	-119.00	21.83	-60.21	14.37	-52.75	-23.58
		94	562.33	199.33	-8.53	64.21	126.59	-99.14	43.01	-45.36	32.35	-34.70	-28.79
50	4	101	1242.25	209.62	-2.12	74.00	133.51	-101.60	-45.53	-192.75	-70.58	-167.71	55.31
		278	1381.48	240.84	-2.09	84.27	154.48	-116.28	-58.72	-215.29	-87.32	-186.69	60.50
		410	494.79	238.64	-6.19	77.97	154.48	-116.28	18.43	-46.64	4.86	-33.07	-26.44
		94	535.10	207.40	-6.20	67.69	133.51	-101.60	40.08	-32.55	21.61	-14.08	-31.63
50	5	101	1310.94	250.58	-2.67	85.87	162.04	-120.77	-45.88	-198.27	-68.84	-175.32	54.51
		278	1447.22	286.01	-2.66	97.53	185.83	-137.42	-58.92	-219.50	-85.77	-192.65	59.92
		410	489.87	284.69	-5.19	93.67	185.83	-137.42	16.11	-48.73	8.55	-41.17	-20.81
		94	532.02	249.25	-5.19	82.02	162.04	-120.77	36.81	-35.17	25.48	-23.84	-26.22
50	6	101	1314.60	248.85	-2.89	84.39	161.57	-119.81	-44.73	-199.08	-66.07	-177.74	53.27
		278	1446.39	285.52	-2.88	96.45	186.19	-137.04	-57.59	-219.27	-82.78	-194.08	58.64
		410	476.94	284.67	-4.53	93.95	186.19	-137.04	15.73	-51.64	10.56	-46.47	-17.94
		94	517.35	247.99	-4.53	81.89	161.57	-119.81	35.54	-38.41	27.27	-30.14	-23.31
50	7	101	1283.35	207.13	-2.00	72.28	132.85	-100.08	-44.32	-200.55	-65.34	-179.53	53.31
		278	1414.00	243.09	-1.97	84.12	157.00	-116.99	-57.14	-220.69	-81.99	-195.83	58.72
		410	457.73	241.43	-5.10	79.33	157.00	-116.99	16.30	-53.15	11.35	-48.20	-17.87
		94	495.12	205.45	-5.11	67.49	132.85	-100.08	35.99	-39.89	28.01	-31.91	-23.28
50	8	101	1025.12	157.51	0.08	60.22	97.36	-76.50	-34.37	-162.01	-49.55	-146.82	41.32
		278	1134.54	190.34	0.16	71.05	119.45	-91.96	-45.60	-178.63	-63.44	-160.79	45.34
		410	414.55	186.44	-6.80	60.18	119.45	-91.96	17.14	-46.85	11.27	-40.98	-18.47
		94	437.41	153.54	-6.81	49.36	97.36	-76.50	33.51	-35.36	25.15	-27.01	-22.48
50	9	101	918.17	160.02	-1.35	55.45	103.22	-77.07	-31.84	-141.52	-47.12	-126.24	37.98
		278	1008.54	182.49	-1.34	62.84	118.30	-87.63	-41.00	-155.90	-59.02	-137.88	41.79
		410	325.45	181.36	-3.49	59.57	118.30	-87.63	11.02	-36.61	7.33	-32.92	-12.73
		94	355.01	158.89	-3.49	52.18	103.22	-77.07	25.13	-27.17	19.23	-21.27	-16.54
50	10	101	936.09	144.75	-0.36	54.02	90.37	-70.24	-31.61	-147.63	-45.91	-133.33	38.14
		278	1035.07	173.86	-0.30	63.61	109.95	-83.94	-41.74	-162.75	-58.54	-145.95	41.85
		410	367.50	170.96	-5.55	55.46	109.95	-83.94	14.75	-41.71	9.77	-36.73	-16.01
		94	389.78	141.80	-5.56	45.87	90.37	-70.24	29.64	-31.36	22.40	-24.12	-19.72
50	11	101	928.84	169.58	-1.92	57.86	109.80	-81.73	-31.68	-141.73	-46.80	-126.61	37.89
		278	1022.51	195.64	-1.91	66.43	127.30	-93.97	-40.88	-156.11	-58.72	-138.27	41.69
		410	336.56	194.89	-3.34	64.26	127.30	-93.97	11.37	-36.96	7.66	-33.24	-12.88
		94	364.59	168.83	-3.34	55.69	109.80	-81.73	25.49	-27.49	19.58	-21.58	-16.68
51	1	102	366.73	196.36	-3.59	68.83	123.94	-96.11	-33.25	-48.81	-47.91	-34.14	-3.63
		206	459.11	185.47	-3.61	65.24	116.62	-90.98	-19.24	-56.91	-47.86	-28.29	16.09
		100	890.65	185.69	-3.23	65.84	116.62	-90.98	141.43	67.30	75.79	132.94	-23.60
		95	988.01	196.58	-3.21	69.43	123.94	-96.11	151.77	51.05	75.74	127.08	-43.32
51	2	102	353.45	206.57	-2.65	68.20	135.72	-99.01	-30.83	-46.55	-44.40	-32.98	-5.41
		206	451.95	207.00	-2.65	68.34	136.01	-99.21	-19.86	-53.00	-45.42	-27.44	13.92
		100	928.39	210.93	4.62	79.53	136.01	-99.21	144.24	69.72	79.59	134.37	-25.26
		95	1016.90	210.50	4.62	79.39	135.72	-99.01	155.40	54.04	80.61	128.83	-44.58
51	3	102	316.75	115.62	-2.19	24.14	89.29	-49.08	-30.62	-50.77	-36.66	-44.73	-9.23
		206	386.67	133.94	-1.97	30.23	101.74	-57.79	-35.58	-54.19	-48.18	-41.60	8.71
		100	972.59	148.92	30.96	78.15	101.74	-57.79	162.91	89.31	105.84	146.39	-30.71
		95	1055.91	130.50	30.84	72.06	89.29	-49.08	180.64	79.97	117.36	143.25	-48.64
51	4	102	323.75	103.27	3.25	27.21	79.31	-42.69	-12.34	-52.89	-49.81	-15.42	-10.74
		206	324.44	113.99	3.34	30.76	86.57	-47.77	-0.54	-45.56	-41.80	-4.30	12.45
		100	895.85	112.54	-1.28	24.69	86.57	-47.77	153.61	69.62	75.05	148.18	-20.67
		95	943.93	101.88	-1.43	21.14	79.31	-42.69	158.16	45.94	67.05	137.05	-43.85
51	5	102	321.80	158.38	2.22	54.05	106.55	-73.54	-25.58	-50.37	-48.78	-27.17	-6.07
		206	405.83	159.74	2.22	54.50	107.46	-74.17	-12.67	-52.34	-45.56	-19.45	14.93
		100	890.03	158.81	0.33	51.68	107.46	-74.17	145.50	67.39	74.75	138.14	-22.82
		95	966.31	157.46	0.33	51.24	106.55	-73.54	153.77	48.17	71.52	130.42	-43.82
51	6	102	351.15	174.74	-0.33	64.36	110.05	-84.50	-33.60	-48.48	-47.43	-34.65	-3.81
		206	442.42	169.32	-0.34	62.58	106.40	-81.95	-19.71	-56.51	-47.40	-28.82	15.88
		100	874.29	169.15	-0.62	62.12	106.40	-81.95	141.06	67.38	76.13	132.31	-23.83
		95	965.45	174.57	-0.62	63.91	110.05	-84.50	151.58	51.00	76.10	126.48	-43.53
51	7	102	336.48	150.36	-1.23	55.44	93.69	-73.34	-35.16	-48.02	-46.81	-36.37	-3.76

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		206	422.50	145.30	-1.24	53.77	90.29	-70.96	-20.66	-56.52	-46.68	-30.50	16.00
		100	846.99	145.52	-0.87	54.36	90.29	-70.96	139.79	67.94	76.94	130.79	-23.78
		95	937.11	150.58	-0.86	56.03	93.69	-73.34	150.61	51.12	76.82	124.92	-43.54
51	8	102	246.72	88.11	-2.12	16.78	69.20	-36.72	-23.00	-39.74	-27.57	-35.18	-7.45
		206	298.66	103.64	-1.88	21.97	79.79	-44.13	-28.68	-41.75	-37.40	-33.03	6.16
		100	758.80	116.11	26.17	62.49	79.79	-44.13	127.06	70.02	83.42	113.65	-24.19
		95	823.66	100.45	26.06	57.30	69.20	-36.72	141.26	63.50	93.26	111.50	-37.80
51	9	102	253.07	130.57	-2.08	46.04	82.45	-63.77	-23.78	-34.39	-33.65	-24.51	-2.70
		206	317.73	124.12	-2.09	43.91	78.12	-60.74	-13.80	-40.10	-33.59	-20.31	11.35
		100	626.15	124.33	-1.72	44.49	78.12	-60.74	100.50	48.28	54.41	94.37	-16.80
		95	693.58	130.78	-1.71	46.61	82.45	-63.77	107.93	36.59	54.35	90.16	-30.85
51	10	102	221.81	85.31	-0.90	21.21	63.20	-37.65	-22.90	-34.89	-27.40	-30.40	-5.81
		206	275.24	95.16	-0.85	24.46	69.85	-42.30	-22.88	-38.59	-33.77	-27.70	7.25
		100	670.88	103.89	17.29	51.33	69.85	-42.30	112.29	60.65	71.10	101.84	-20.75
		95	729.46	94.04	17.24	48.07	63.20	-37.65	123.81	52.81	77.48	99.15	-33.81
51	11	102	244.63	118.55	-0.26	43.55	74.73	-57.33	-23.96	-34.21	-33.38	-24.79	-2.80
		206	308.48	115.14	-0.27	42.43	72.44	-55.72	-14.06	-39.88	-33.33	-20.60	11.23
		100	617.10	115.14	-0.28	42.42	72.44	-55.72	100.29	48.33	54.60	94.02	-16.93
		95	681.08	118.55	-0.27	43.55	74.73	-57.33	107.83	36.56	54.55	89.83	-30.96
52	1	206	746.24	185.62	2.17	69.20	118.59	-88.33	48.71	-62.61	20.15	-34.05	48.61
		277	1625.71	195.75	2.19	72.54	125.40	-93.10	204.57	-71.13	128.68	4.77	123.14
		523	1206.21	197.64	5.40	77.63	125.40	-93.10	227.39	115.85	173.40	169.84	55.74
		100	857.50	187.51	5.38	74.30	118.59	-88.33	135.99	59.91	64.88	131.02	-18.79
52	2	206	753.97	208.12	1.43	74.43	135.12	-98.79	49.52	-59.53	22.85	-32.86	46.88
		277	1629.35	225.69	1.44	80.22	146.92	-107.05	203.29	-68.33	129.31	5.64	120.92
		523	1220.98	228.26	6.03	87.37	146.92	-107.05	228.15	119.75	176.16	171.74	54.15
		100	893.75	210.70	6.00	81.59	135.12	-98.79	138.95	63.99	69.70	133.24	-19.88
52	3	206	768.48	136.34	-0.89	35.89	99.56	-60.79	58.12	-66.18	34.56	-42.63	48.71
		277	1720.04	159.65	-0.81	43.58	115.26	-71.78	221.47	-75.57	144.33	1.57	130.24
		523	1401.78	166.47	14.65	65.86	115.26	-71.78	264.35	138.78	209.45	193.68	62.29
		100	928.90	143.07	14.65	58.16	99.56	-60.79	156.05	93.12	99.68	149.49	-19.23
52	4	206	570.11	117.20	2.29	23.53	95.97	-44.60	43.05	-47.17	16.32	-20.44	41.20
		277	1576.64	164.38	3.22	39.35	128.26	-67.21	214.56	-52.15	138.22	24.19	120.55
		523	1263.82	161.73	-6.70	26.77	128.26	-67.21	236.83	127.81	174.95	189.69	54.01
		100	916.58	115.07	-8.16	10.94	95.97	-44.60	151.59	46.53	53.05	145.07	-25.34
52	5	206	681.08	159.76	4.34	51.31	112.80	-71.37	46.32	-57.05	18.46	-29.18	45.87
		277	1615.43	198.08	4.37	63.91	138.53	-89.38	207.81	-64.32	131.87	11.62	122.06
		523	1226.74	198.12	4.47	64.06	138.53	-89.38	229.89	120.17	173.37	176.70	54.83
		100	876.56	159.81	4.45	51.46	112.80	-71.37	141.49	54.36	59.95	135.90	-21.36
52	6	206	729.43	168.57	3.01	63.03	108.55	-79.59	48.52	-62.71	20.48	-34.67	48.30
		277	1626.69	197.29	3.04	72.48	127.85	-93.10	204.68	-71.08	129.18	4.42	122.96
		523	1210.47	200.12	7.93	80.20	127.85	-93.10	227.79	116.01	174.05	169.75	55.85
		100	841.94	171.45	7.84	70.75	108.55	-79.59	135.69	60.32	65.35	130.66	-18.82
52	7	206	715.22	145.54	2.24	58.15	89.63	-69.90	48.92	-63.90	21.34	-36.32	48.49
		277	1606.43	161.48	2.29	63.41	100.36	-77.42	204.98	-72.32	130.13	2.54	123.10
		523	1196.06	163.10	4.83	67.57	100.36	-77.42	226.82	115.46	174.65	167.63	55.57
		100	812.49	147.19	4.74	62.31	89.63	-69.90	134.10	60.54	65.86	128.78	-19.05
52	8	206	596.66	105.58	-1.12	26.49	77.97	-46.73	45.21	-51.27	27.35	-33.41	37.47
		277	1330.86	123.59	-1.03	32.44	90.12	-55.24	171.21	-58.56	111.75	0.90	100.63
		523	1091.58	129.21	12.08	51.18	90.12	-55.24	205.71	108.28	163.36	150.64	48.30
		100	723.98	111.11	12.08	45.23	77.97	-46.73	121.52	73.78	78.96	116.33	-14.86
52	9	206	524.55	124.25	1.62	46.70	79.17	-59.13	34.93	-44.52	14.84	-24.44	34.54
		277	1153.64	132.91	1.63	49.55	84.99	-63.20	145.94	-50.54	92.11	3.28	87.63
		523	859.13	134.14	3.71	52.86	84.99	-63.20	162.23	82.66	124.04	120.85	39.75
		100	602.86	125.49	3.69	50.01	79.17	-59.13	96.69	43.21	46.77	93.13	-13.34
52	10	206	536.10	96.65	0.14	28.20	68.59	-43.83	40.11	-46.46	22.85	-29.20	34.59
		277	1205.97	112.66	0.16	33.47	79.35	-51.36	155.32	-53.01	100.81	1.51	91.57
		523	967.88	116.78	8.89	46.32	79.35	-51.36	182.76	95.40	144.07	134.09	43.40
		100	641.70	100.76	8.88	41.05	68.59	-43.83	107.81	61.69	66.11	103.39	-13.58
52	11	206	515.27	114.78	2.08	43.27	73.59	-54.27	34.83	-44.58	15.03	-24.78	34.36
		277	1154.19	133.76	2.11	49.52	86.34	-63.20	146.00	-50.52	92.39	3.09	87.53
		523	861.50	135.52	5.12	54.29	86.34	-63.20	162.46	82.74	124.40	120.80	39.82
		100	594.27	116.57	5.06	48.04	73.59	-54.27	96.53	43.44	47.04	92.93	-13.35
53	1	147	1253.93	777.66	-1172.25	776.60	-1171.19	45.56	78.60	-63.84	21.86	-7.09	69.73
		468	659.06	778.92	-117.93	776.60	-115.61	45.56	54.55	-71.69	-6.13	-11.01	63.07
		467	382.43	-81.21	-175.96	-141.56	-115.61	45.56	33.85	-93.95	-17.16	-42.94	62.59
		466	931.67	-139.55	-1173.20	-141.56	-1171.19	45.56	59.50	-87.69	10.83	-39.02	69.25
53	2	147	1228.66	713.89	-1246.56	713.89	-1246.56	1.07	97.59	-58.00	27.73	11.86	77.39
		468	631.79	713.89	-134.28	713.89	-134.27	1.07	64.42	-75.92	-8.32	-3.18	70.13
		467	326.16	-134.19	-147.88	-147.79	-134.27	1.07	35.75	-86.61	-19.54	-31.31	60.90
		466	905.44	-147.79	-1246.56	-147.79	-1246.56	1.07	70.22	-69.99	16.50	-16.27	68.16
53	3	147	1193.52	718.64	-1185.71	718.63	-1185.71	1.41	107.34	-61.91	27.89	17.54	84.47

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		468	655.25	718.64	-143.05	718.63	-143.05	1.41	72.47	-80.13	-7.74	0.09	76.20
		467	336.35	-142.85	-153.27	-153.08	-143.05	1.41	45.72	-83.98	-18.99	-19.27	64.85
		466	839.72	-153.07	-1185.72	-153.08	-1185.71	1.41	81.10	-66.29	16.63	-1.82	73.11
53	4	147	1150.09	758.68	-1142.73	758.66	-1142.71	5.84	22.90	-44.82	-4.42	-17.50	33.22
		468	670.03	758.69	-200.31	758.66	-200.27	5.84	16.85	-71.44	-34.43	-20.16	43.56
		467	310.52	-128.91	-200.75	-129.39	-200.27	5.84	8.52	-82.69	-26.55	-47.62	44.37
		466	861.55	-129.36	-1142.75	-129.39	-1142.71	5.84	21.02	-62.51	3.46	-44.96	34.03
53	5	147	1320.69	710.53	-1322.18	710.52	-1322.17	-3.82	45.62	-80.82	2.81	-38.00	59.84
		468	642.91	710.54	-212.87	710.52	-212.85	-3.82	31.87	-86.38	-17.46	-37.04	58.31
		467	372.68	-109.50	-212.99	-109.65	-212.85	-3.82	25.86	-100.91	-21.13	-53.92	61.23
		466	1032.47	-109.63	-1322.18	-109.65	-1322.17	-3.82	40.45	-96.19	-0.87	-54.88	62.76
53	6	147	1207.69	766.38	-1201.99	765.80	-1201.41	33.76	81.31	-64.99	9.24	7.08	73.14
		468	657.64	767.06	-138.29	765.80	-135.03	33.76	66.77	-78.74	-10.67	-1.26	72.59
		467	383.26	-92.95	-162.11	-120.03	-135.03	33.76	44.59	-91.38	-14.94	-31.84	67.46
		466	904.04	-118.98	-1202.46	-120.03	-1201.41	33.76	60.22	-78.76	4.96	-23.50	68.02
53	7	147	1165.12	747.72	-1147.22	747.00	-1146.50	37.08	73.60	-60.85	8.76	3.99	67.18
		468	633.59	748.55	-138.74	747.00	-137.19	37.08	59.95	-73.94	-11.36	-2.64	66.80
		467	369.02	-88.71	-165.55	-117.06	-137.19	37.08	40.21	-87.22	-15.26	-31.75	63.18
		466	868.56	-115.73	-1147.83	-117.06	-1146.50	37.08	55.16	-75.43	4.86	-25.13	63.55
53	8	147	916.44	557.53	-901.07	557.52	-901.06	3.01	84.96	-47.08	22.99	14.89	65.90
		468	504.67	557.54	-105.49	557.52	-105.48	3.01	56.98	-61.09	-5.25	1.15	58.95
		467	260.65	-104.95	-122.44	-121.90	-105.48	3.01	36.06	-64.00	-14.51	-13.42	50.03
		466	637.30	-121.89	-901.07	-121.90	-901.06	3.01	64.40	-50.35	13.73	0.32	56.98
53	9	147	881.79	540.14	-843.73	539.66	-843.24	25.90	55.34	-45.43	13.58	-3.66	49.64
		468	459.85	540.72	-91.89	539.66	-90.83	25.90	39.28	-52.36	-5.61	-7.48	45.81
		467	265.66	-67.19	-119.21	-95.56	-90.83	25.90	24.53	-66.07	-12.35	-29.19	44.51
		466	658.94	-94.67	-844.14	-95.56	-843.24	25.90	41.68	-60.22	6.83	-25.37	48.34
53	10	147	847.98	507.46	-851.32	507.46	-851.31	1.37	71.40	-44.45	16.93	10.02	57.83
		468	462.91	507.46	-106.08	507.46	-106.07	1.37	49.26	-57.07	-6.50	-1.31	53.11
		467	239.19	-101.55	-106.49	-101.96	-106.07	1.37	31.08	-60.49	-13.36	-16.04	45.77
		466	607.82	-101.96	-851.32	-101.96	-851.31	1.37	53.70	-48.34	10.06	-4.70	50.49
53	11	147	856.12	533.93	-860.30	533.66	-860.03	19.34	56.94	-46.16	6.57	4.21	51.54
		468	464.21	534.25	-102.21	533.66	-101.62	19.34	46.10	-56.28	-8.13	-2.06	51.10
		467	265.97	-71.27	-113.95	-83.60	-101.62	19.34	30.52	-64.66	-11.11	-23.02	47.21
		466	643.67	-83.12	-860.52	-83.60	-860.03	19.34	42.14	-55.31	3.58	-16.75	47.65
54	1	152	1263.86	261.83	-1343.94	245.50	-1327.61	-161.11	124.85	-99.56	-1.96	27.25	111.25
		473	901.40	270.62	-787.68	245.50	-762.56	-161.11	123.94	-87.97	23.69	12.28	105.80
		472	741.66	75.40	-793.53	44.43	-762.56	-161.11	85.16	-99.91	13.00	-27.75	90.26
		471	1084.72	63.09	-1346.27	44.43	-1327.61	-161.11	83.00	-108.43	-12.65	-12.78	95.71
54	2	152	1423.06	134.75	-1488.29	112.35	-1465.88	-189.36	161.35	-90.35	4.01	66.99	121.85
		473	993.16	150.08	-837.98	112.35	-800.25	-189.36	151.37	-83.11	28.24	40.02	117.09
		472	811.66	63.57	-841.76	22.06	-800.25	-189.36	97.15	-87.24	17.40	-7.49	91.35
		471	1238.26	45.78	-1489.61	22.06	-1465.88	-189.36	103.33	-90.68	-6.84	19.49	96.11
54	3	152	1693.65	98.25	-1685.86	56.64	-1644.24	-269.29	210.07	-85.41	11.67	112.98	138.79
		473	1157.27	136.08	-856.09	56.64	-776.64	-269.29	178.16	-99.61	19.99	58.57	137.54
		472	898.34	103.20	-859.06	20.78	-776.64	-269.29	100.10	-79.59	12.56	7.94	89.82
		471	1460.18	63.25	-1686.71	20.78	-1644.24	-269.29	128.89	-62.29	4.25	62.35	91.07
54	4	152	1324.84	286.02	-1637.84	248.82	-1600.64	-264.90	15.80	-88.68	-7.45	-65.43	43.45
		473	797.04	311.71	-866.97	248.82	-804.08	-264.90	29.83	-64.73	13.25	-48.16	35.95
		472	738.49	153.59	-877.35	80.31	-804.08	-264.90	29.52	-87.68	3.53	-61.68	48.69
		471	1282.38	121.07	-1641.40	80.31	-1600.64	-264.90	16.06	-112.19	-17.17	-78.96	56.19
54	5	152	1242.49	373.68	-1487.08	352.38	-1465.78	-197.93	68.45	-94.00	-9.06	-16.49	81.14
		473	832.71	387.18	-773.18	352.38	-738.37	-197.93	68.59	-95.16	0.06	-26.63	80.78
		472	681.94	114.88	-784.29	68.96	-738.37	-197.93	49.09	-100.13	-2.91	-48.13	71.10
		471	1090.25	94.08	-1490.89	68.96	-1465.78	-197.93	47.62	-97.65	-12.03	-37.99	71.46
54	6	152	1259.44	420.64	-1354.42	401.55	-1335.33	-183.09	84.39	-82.59	-12.92	14.72	82.34
		473	902.89	430.98	-737.48	401.55	-708.05	-183.09	85.07	-86.33	-5.06	3.79	85.59
		472	722.31	110.98	-748.98	70.05	-708.05	-183.09	64.84	-86.48	-4.11	-17.53	75.36
		471	1064.29	93.51	-1358.79	70.05	-1335.33	-183.09	62.88	-81.45	-11.97	-6.60	72.11
54	7	152	1230.39	386.98	-1346.66	366.60	-1326.28	-186.89	83.79	-80.05	-9.38	13.11	81.15
		473	865.61	398.58	-725.42	366.60	-693.44	-186.89	83.47	-81.37	-0.10	2.20	82.41
		472	698.95	111.89	-736.81	68.52	-693.44	-186.89	61.41	-84.00	-1.52	-21.07	72.05
		471	1048.15	93.12	-1350.88	68.52	-1326.28	-186.89	60.31	-81.26	-10.81	-10.15	70.78
54	8	152	1341.64	57.94	-1319.91	23.69	-1285.66	-214.53	171.92	-66.34	10.66	94.92	111.43
		473	916.70	90.41	-666.06	23.69	-599.34	-214.53	144.56	-78.28	16.90	49.39	110.23
		472	706.09	81.71	-666.91	14.13	-599.34	-214.53	79.97	-60.77	10.70	8.50	70.36
		471	1155.13	48.62	-1320.15	14.13	-1285.66	-214.53	104.98	-46.49	4.46	54.04	71.56
54	9	152	893.14	198.73	-960.74	186.64	-948.65	-117.76	82.71	-67.68	-2.43	17.46	74.53
		473	634.29	205.33	-555.14	186.64	-536.45	-117.76	82.23	-61.30	13.39	7.55	71.70
		472	521.68	56.42	-559.84	33.03	-536.45	-117.76	57.12	-68.63	7.19	-18.70	61.53
		471	766.85	46.96	-962.58	33.03	-948.65	-117.76	55.65	-73.06	-8.63	-8.78	64.36
54	10	152	1129.84	107.39	-1150.24	81.72	-1124.56	-177.86	129.82	-59.58	5.15	65.10	89.83

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		473	772.89	128.72	-591.28	81.72	-544.27	-177.86	112.30	-67.71	11.33	33.26	89.33
		472	608.69	71.28	-595.66	19.89	-544.27	-177.86	65.38	-57.31	6.94	1.13	61.28
		471	975.67	46.90	-1151.57	19.89	-1124.56	-177.86	80.70	-46.98	0.75	32.96	61.77
54	11	152	891.31	286.96	-966.57	273.34	-952.94	-129.97	60.23	-58.24	-8.52	10.51	58.47
		473	635.92	294.44	-527.27	273.34	-506.17	-129.97	60.66	-60.41	-2.58	2.83	60.47
		472	511.18	76.27	-535.17	47.27	-506.17	-129.97	45.84	-61.19	-2.32	-13.02	53.25
		471	755.90	63.88	-969.56	47.27	-952.94	-129.97	44.46	-58.07	-8.26	-5.35	51.24
55	1	138	1401.95	459.78	-1515.73	416.45	-1472.40	-289.35	58.27	-40.58	-27.79	45.48	33.18
		477	954.83	503.12	-549.60	416.45	-462.93	-289.35	28.94	-123.32	-94.73	0.35	59.47
		476	676.25	177.17	-593.73	46.37	-462.93	-289.35	28.24	-72.17	-63.96	20.03	27.51
		475	1215.47	99.63	-1525.65	46.37	-1472.40	-289.35	65.18	2.95	2.98	65.16	1.23
55	2	138	1407.49	438.68	-1517.26	406.48	-1485.06	-248.88	62.89	-34.77	-29.36	57.47	22.35
		477	948.56	470.40	-562.55	406.48	-498.63	-248.88	38.19	-115.08	-96.86	19.96	49.61
		476	696.58	128.36	-597.42	29.57	-498.63	-248.88	49.28	-69.70	-64.52	44.10	24.28
		475	1244.05	69.42	-1524.90	29.57	-1485.06	-248.88	81.72	2.87	2.98	81.61	-2.97
55	3	138	1398.71	373.83	-1506.15	351.96	-1484.28	-201.56	76.02	-28.95	-27.18	74.24	13.54
		477	948.99	393.76	-620.07	351.96	-578.27	-201.56	60.42	-97.37	-87.41	50.46	38.37
		476	762.98	61.76	-641.75	-1.72	-578.27	-201.56	81.73	-61.51	-57.33	77.55	24.11
		475	1276.12	25.20	-1511.20	-1.72	-1484.28	-201.56	101.34	2.90	2.90	101.33	-0.72
55	4	138	1313.63	316.21	-1552.66	293.61	-1530.05	-204.29	64.38	-55.72	-14.23	22.89	57.11
		477	825.31	340.26	-601.07	293.61	-554.42	-204.29	31.04	-132.91	-65.10	-36.77	80.75
		476	510.23	79.24	-620.29	13.38	-554.42	-204.29	-8.63	-78.08	-40.67	-46.04	34.62
		475	1085.86	39.96	-1556.64	13.38	-1530.05	-204.29	23.02	0.79	10.19	13.62	10.98
55	5	138	1355.08	403.17	-1504.85	370.89	-1472.58	-246.05	66.55	-37.19	-14.60	43.95	42.82
		477	877.78	433.61	-594.36	370.89	-531.64	-246.05	38.08	-103.71	-61.96	-3.67	64.63
		476	595.28	149.57	-620.51	60.70	-531.64	-246.05	9.63	-55.59	-38.82	-7.15	28.51
		475	1142.89	99.21	-1511.09	60.70	-1472.58	-246.05	41.83	7.19	8.54	40.48	6.70
55	6	138	1357.83	387.74	-1502.51	348.96	-1463.73	-267.95	70.38	-28.03	-11.05	53.40	37.18
		477	863.90	425.19	-592.87	348.96	-516.64	-267.95	40.72	-88.49	-57.10	9.34	55.41
		476	617.62	171.23	-621.02	66.85	-516.64	-267.95	18.68	-46.16	-37.35	9.87	22.22
		475	1177.04	112.40	-1509.28	66.85	-1463.73	-267.95	54.27	8.35	8.70	53.92	4.00
55	7	138	1347.26	336.12	-1506.83	297.08	-1467.78	-265.39	73.68	-32.62	-11.93	52.99	42.09
		477	855.66	375.79	-597.69	297.08	-518.98	-265.39	43.36	-94.59	-58.49	7.26	60.64
		476	620.30	153.24	-623.76	48.46	-518.98	-265.39	19.75	-50.04	-38.35	8.05	26.06
		475	1177.69	93.57	-1512.89	48.46	-1467.78	-265.39	54.99	7.00	8.21	53.79	7.51
55	8	138	1079.87	293.49	-1154.56	277.54	-1138.61	-151.14	59.51	-22.90	-22.14	58.75	7.87
		477	739.75	307.88	-475.35	277.54	-445.01	-151.14	48.68	-75.86	-69.50	42.32	27.40
		476	599.07	42.77	-491.84	-4.06	-445.01	-151.14	68.30	-48.53	-45.63	65.41	18.15
		475	988.06	15.73	-1158.40	-4.06	-1138.61	-151.14	81.85	1.70	1.73	81.83	-1.38
55	9	138	989.09	304.79	-1079.72	275.14	-1050.07	-200.43	43.88	-27.66	-17.35	33.57	25.13
		477	663.27	334.49	-401.77	275.14	-342.42	-200.43	22.88	-83.45	-61.92	1.34	42.73
		476	473.09	118.81	-429.52	31.71	-342.42	-200.43	18.74	-47.94	-41.58	12.38	19.58
		475	860.00	67.65	-1086.01	31.71	-1050.07	-200.43	44.70	2.89	2.99	44.60	1.99
55	10	138	985.53	256.83	-1074.19	239.32	-1056.68	-151.66	52.46	-19.92	-17.01	49.55	14.22
		477	656.49	273.16	-440.34	239.32	-406.50	-151.66	39.10	-67.77	-57.85	29.18	31.01
		476	518.64	54.85	-456.35	4.99	-406.50	-151.66	47.98	-41.54	-37.90	44.33	17.69
		475	892.92	26.23	-1077.92	4.99	-1056.68	-151.66	64.71	2.93	2.95	64.70	0.90
55	11	138	965.03	264.78	-1072.39	237.65	-1045.26	-188.54	50.71	-20.79	-8.05	37.97	27.36
		477	613.78	291.23	-425.83	237.65	-372.26	-188.54	29.56	-64.23	-41.01	6.34	40.48
		476	440.79	115.91	-445.08	43.08	-372.26	-188.54	13.59	-33.65	-26.79	6.73	16.64
		475	838.65	74.82	-1076.99	43.08	-1045.26	-188.54	38.74	5.78	6.17	38.36	3.53
56	1	133	1239.39	280.09	-1273.48	252.91	-1246.31	-203.68	77.47	-108.02	-49.89	19.34	86.04
		481	940.18	296.08	-708.04	252.91	-664.87	-203.68	92.41	-114.32	-28.73	6.82	101.82
		480	804.98	74.33	-720.99	18.20	-664.87	-203.68	86.00	-92.54	-11.87	5.32	88.86
		479	1094.41	50.20	-1278.30	18.20	-1246.31	-203.68	69.78	-84.97	-33.02	17.84	73.08
56	2	133	1337.48	174.23	-1379.36	149.93	-1355.05	-192.78	104.07	-98.00	-49.42	55.49	86.35
		481	981.51	191.39	-746.57	149.93	-705.11	-192.78	117.25	-102.91	-26.71	41.06	104.74
		480	853.38	41.24	-754.91	-8.55	-705.11	-192.78	105.05	-79.50	-7.78	33.33	89.96
		479	1205.02	18.51	-1382.11	-8.55	-1355.05	-192.78	90.21	-72.93	-30.48	47.76	71.58
56	3	133	1521.50	71.50	-1564.21	44.37	-1537.08	-208.91	143.94	-82.55	-43.09	104.48	85.91
		481	1074.96	95.35	-811.71	44.37	-760.72	-208.91	150.61	-89.05	-23.77	85.33	106.69
		480	942.56	25.61	-816.23	-29.89	-760.72	-208.91	127.68	-62.74	-3.36	68.30	88.21
		479	1392.99	-1.47	-1565.50	-29.89	-1537.08	-208.91	119.44	-54.67	-22.68	87.45	67.42
56	4	133	1334.59	216.75	-1602.62	189.36	-1575.23	-221.53	15.45	-121.89	-16.13	-90.31	57.79
		481	766.66	240.72	-766.15	189.36	-714.80	-221.53	29.84	-99.41	7.58	-77.15	48.80
		480	661.66	79.87	-776.55	18.11	-714.80	-221.53	32.31	-100.91	-0.99	-67.61	57.68
		479	1240.61	48.34	-1605.46	18.11	-1575.23	-221.53	19.60	-125.06	-24.70	-80.77	66.68
56	5	133	1126.82	375.72	-1313.53	355.83	-1293.65	-182.21	41.26	-86.66	-27.68	-17.72	63.77
		481	789.65	387.53	-691.64	355.83	-659.95	-182.21	51.75	-90.03	-16.90	-21.38	70.86
		480	657.45	80.51	-704.78	35.67	-659.95	-182.21	50.63	-83.27	-9.46	-23.18	66.60
		479	980.39	60.20	-1318.17	35.67	-1293.65	-182.21	39.62	-79.39	-20.23	-19.53	59.50
56	6	133	1138.17	395.86	-1231.19	371.79	-1207.13	-196.39	45.84	-75.26	-33.34	3.92	57.61

		481	850.09	408.22	-686.96	371.79	-650.53	-196.39	54.48	-85.95	-28.67	-2.80	69.01
		480	703.13	92.68	-702.43	40.79	-650.53	-196.39	56.38	-70.33	-15.79	1.84	62.74
		479	987.15	70.96	-1237.31	40.79	-1207.13	-196.39	47.40	-59.30	-20.46	8.56	51.34
56	7	133	1116.80	351.89	-1235.65	327.07	-1210.83	-196.96	49.07	-76.29	-29.36	2.14	60.67
		481	814.48	365.74	-675.93	327.07	-637.26	-196.96	57.71	-82.02	-21.30	-3.01	69.26
		480	688.42	81.84	-691.20	27.90	-637.26	-196.96	57.45	-70.95	-11.85	-1.65	63.99
		479	981.84	58.46	-1241.39	27.90	-1210.83	-196.96	48.41	-64.83	-19.91	3.49	55.40
56	8	133	1201.49	37.29	-1221.51	16.07	-1200.30	-162.03	118.95	-64.52	-34.46	88.89	67.91
		481	849.58	56.62	-631.40	16.07	-590.85	-162.03	123.70	-69.47	-18.74	72.97	85.01
		480	744.68	16.65	-634.06	-26.57	-590.85	-162.03	104.17	-47.72	-2.00	58.45	69.67
		479	1101.03	-4.61	-1222.25	-26.57	-1200.30	-162.03	98.21	-41.56	-17.73	74.38	52.57
56	9	133	864.53	203.97	-908.40	185.19	-889.61	-143.32	50.93	-71.99	-32.10	11.05	57.55
		481	647.82	215.05	-502.72	185.19	-472.86	-143.32	60.64	-76.26	-18.96	3.33	67.54
		480	555.52	52.23	-511.98	13.11	-472.86	-143.32	56.93	-62.63	-8.26	2.56	59.54
		479	765.29	35.32	-911.82	13.11	-889.61	-143.32	46.46	-57.58	-21.40	10.28	49.55
56	10	133	1020.32	88.10	-1069.92	69.33	-1051.16	-146.22	86.99	-56.97	-28.32	58.34	57.48
		481	721.39	103.30	-560.08	69.33	-526.11	-146.22	92.39	-61.64	-16.20	46.95	70.24
		480	631.64	25.18	-564.90	-13.61	-526.11	-146.22	79.65	-45.63	-3.53	37.55	59.18
		479	930.66	6.61	-1071.37	-13.61	-1051.16	-146.22	73.19	-39.90	-15.65	48.95	46.41
56	11	133	808.39	268.31	-884.92	251.24	-867.85	-139.27	33.43	-53.85	-22.90	2.48	41.76
		481	598.00	277.37	-491.03	251.24	-464.90	-139.27	39.56	-60.50	-18.92	-2.02	49.31
		480	499.13	62.44	-501.68	25.66	-464.90	-139.27	40.46	-50.27	-10.44	0.63	45.03
		479	705.84	46.86	-889.06	25.66	-867.85	-139.27	34.08	-43.38	-14.42	5.12	37.47
57	1	108	1080.58	343.25	-13.30	81.87	248.08	-157.72	-14.72	-133.38	-22.48	-125.62	29.34
		301	1108.02	277.76	-13.67	60.21	203.87	-126.78	-11.81	-145.92	-22.62	-135.11	36.51
		418	556.20	289.15	15.38	100.66	203.87	-126.78	31.28	-52.18	22.32	-43.21	-25.84
		105	660.42	354.99	15.40	122.32	248.08	-157.72	37.71	-48.98	22.45	-33.72	-33.01
57	2	108	1136.65	325.77	-16.78	70.08	238.91	-149.03	-15.29	-145.26	-23.66	-136.90	31.89
		301	1158.18	256.09	-17.39	46.97	191.73	-116.01	-12.89	-157.68	-24.10	-146.47	38.69
		418	544.75	269.13	17.83	95.22	191.73	-116.01	25.83	-62.95	19.60	-56.73	-22.67
		105	622.76	339.39	17.86	118.34	238.91	-149.03	31.13	-58.24	20.04	-47.15	-29.46
57	3	108	1055.69	411.96	-42.69	55.52	313.75	-187.10	-22.47	-115.97	-31.97	-106.47	28.26
		301	1034.44	322.00	-44.53	25.33	252.13	-143.97	-21.88	-126.13	-33.89	-114.11	33.29
		418	470.10	347.44	34.67	129.98	252.13	-143.97	7.91	-45.26	4.13	-41.49	-13.65
		105	545.58	439.20	34.72	160.17	313.75	-187.10	13.44	-41.23	6.05	-33.84	-18.68
57	4	108	1072.63	279.09	-26.80	34.19	218.10	-122.22	-0.42	-133.69	-6.29	-127.82	27.35
		301	1052.60	152.55	-31.67	-9.02	129.91	-60.49	3.62	-145.95	-4.75	-137.58	34.37
		418	563.90	165.91	28.28	64.28	129.91	-60.49	42.36	-60.92	33.13	-51.70	-29.46
		105	669.55	296.94	28.65	107.49	218.10	-122.22	46.62	-56.96	31.59	-41.93	-36.48
57	5	108	1094.65	282.40	-31.86	25.91	224.63	-121.73	-5.28	-137.22	-14.05	-128.45	32.86
		301	1054.75	136.23	-39.89	-24.80	121.14	-49.29	-4.50	-152.01	-15.86	-140.66	39.32
		418	525.65	148.54	32.48	59.87	121.14	-49.29	42.05	-53.82	30.56	-42.33	-31.13
		105	665.80	302.03	33.18	110.58	224.63	-121.73	50.01	-47.76	32.38	-30.12	-37.59
57	6	108	1028.46	327.39	-25.39	51.25	250.76	-145.47	-6.75	-121.02	-14.22	-113.55	28.26
		301	995.03	195.63	-28.79	6.80	160.05	-81.97	-5.34	-134.23	-15.19	-124.39	34.23
		418	520.89	210.91	27.93	78.79	160.05	-81.97	36.91	-48.66	25.17	-36.92	-29.44
		105	667.26	345.82	28.17	123.24	250.76	-145.47	44.02	-43.96	26.13	-26.07	-35.41
57	7	108	1045.52	309.60	-13.76	69.76	226.08	-141.53	-13.72	-132.09	-21.44	-124.37	29.23
		301	1068.26	238.99	-14.30	46.36	178.33	-108.10	-10.17	-144.30	-21.00	-133.47	36.55
		418	523.98	250.35	16.08	88.10	178.33	-108.10	31.17	-51.53	22.81	-43.17	-24.94
		105	626.41	321.47	16.11	111.50	226.08	-141.53	37.01	-48.72	22.06	-34.08	-32.26
57	8	108	814.28	328.71	-34.97	43.09	250.65	-149.33	-18.03	-87.65	-25.44	-80.23	21.48
		301	794.80	258.50	-36.44	19.52	202.54	-115.65	-17.65	-95.19	-26.98	-85.87	25.22
		418	369.35	279.17	28.01	104.64	202.54	-115.65	4.20	-34.15	1.71	-31.67	-9.44
		105	416.29	350.82	28.05	128.22	250.65	-149.33	8.31	-31.09	3.25	-26.03	-13.18
57	9	108	761.20	234.79	-9.72	54.67	170.41	-107.69	-10.25	-94.89	-15.84	-89.30	21.02
		301	779.58	186.96	-10.02	38.83	138.10	-85.07	-8.25	-103.85	-15.99	-96.11	26.08
		418	388.51	195.12	11.19	68.22	138.10	-85.07	22.23	-37.18	15.87	-30.82	-18.37
		105	461.78	243.26	11.21	84.05	170.41	-107.69	26.81	-34.80	16.01	-24.00	-23.42
57	10	108	746.83	272.92	-26.00	40.03	206.89	-124.01	-14.61	-85.17	-21.12	-78.66	20.42
		301	738.23	211.52	-27.16	19.46	164.91	-94.62	-13.89	-92.81	-22.25	-84.45	24.29
		418	324.94	227.51	21.90	84.51	164.91	-94.62	9.21	-33.30	5.77	-29.86	-11.60
		105	396.49	290.04	21.94	105.08	206.89	-124.01	13.30	-30.47	6.90	-24.07	-15.46
57	11	108	732.16	225.95	-16.40	37.65	171.90	-100.88	-5.83	-88.02	-11.26	-82.59	20.42
		301	716.64	141.18	-18.27	9.16	113.75	-60.18	-4.66	-97.36	-11.86	-90.16	24.81
		418	369.06	151.64	18.18	56.07	113.75	-60.18	25.33	-35.20	17.45	-27.32	-20.37
		105	465.18	238.16	18.30	84.56	171.90	-100.88	30.30	-32.00	18.05	-19.76	-24.76
58	1	109	471.88	371.82	-3.32	135.47	233.02	-181.12	-9.42	-46.63	-46.54	-9.51	-1.83
		242	607.93	334.80	-3.40	123.27	208.13	-163.69	18.74	-42.10	-27.63	4.27	25.90
		107	1073.09	329.99	-11.74	110.13	208.13	-163.69	155.88	74.53	77.97	152.44	-16.37
		106	1204.06	367.06	-11.71	122.32	233.02	-181.12	158.27	39.46	59.06	138.66	-44.10
58	2	109	491.60	295.77	-9.64	97.51	188.62	-145.75	-33.41	-58.18	-58.18	-33.41	0.17

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		242	599.81	222.74	-9.69	73.48	139.58	-111.42	6.47	-61.87	-37.87	-17.53	32.62
		107	1035.93	231.45	4.46	96.33	139.58	-111.42	166.03	88.38	92.27	162.13	-16.96
		106	1199.83	304.18	4.80	120.36	188.62	-145.75	170.93	47.29	71.96	146.25	-49.42
58	3	109	428.58	174.77	-27.29	29.59	117.88	-90.87	-38.72	-63.34	-62.86	-39.20	3.41
		242	463.22	29.55	-28.67	-18.62	19.50	-22.00	12.33	-64.74	-31.29	-21.13	38.20
		107	775.02	87.07	12.33	79.91	19.50	-22.00	143.29	69.68	73.09	139.88	-15.48
		106	1002.33	214.02	31.98	128.12	117.88	-90.87	146.00	17.33	41.52	121.81	-50.27
58	4	109	446.81	360.50	-6.17	133.11	221.22	-177.97	-14.44	-41.96	-41.59	-14.81	-3.18
		242	575.46	318.67	-6.31	119.31	193.06	-158.25	14.66	-38.35	-22.42	-1.27	24.30
		107	1031.19	315.45	-11.56	110.83	193.06	-158.25	149.46	75.83	80.70	144.59	-18.29
		106	1173.09	357.33	-11.48	124.63	221.22	-177.97	153.77	38.81	61.53	131.05	-45.78
58	5	109	432.14	353.06	-3.69	130.00	219.36	-172.69	-5.90	-43.04	-42.63	-6.31	-3.87
		242	566.71	321.62	-3.77	119.64	198.22	-157.88	19.79	-36.95	-24.57	7.41	23.43
		107	1074.47	315.94	-13.53	104.20	198.22	-157.88	158.26	77.50	81.38	154.38	-17.27
		106	1196.07	347.42	-13.50	114.56	219.36	-172.69	161.00	42.97	63.31	140.66	-44.58
58	6	109	496.62	402.75	-1.10	147.81	253.84	-194.84	-1.28	-44.83	-44.45	-1.66	-4.04
		242	610.71	378.94	-1.15	139.96	237.83	-183.64	22.04	-37.56	-27.37	11.91	22.38
		107	1117.82	369.66	-17.98	113.85	237.83	-183.64	157.64	73.79	76.79	154.64	-15.58
		106	1229.55	393.51	-17.97	121.70	253.84	-194.84	158.87	41.97	59.77	141.07	-42.00
58	7	109	481.47	373.80	-2.98	138.83	231.98	-182.54	-7.78	-47.22	-47.20	-7.80	-0.98
		242	626.25	350.44	-3.04	131.13	216.27	-171.54	18.96	-43.44	-29.82	5.33	25.78
		107	1074.62	342.58	-16.70	109.61	216.27	-171.54	154.21	72.23	75.16	151.28	-15.23
		106	1189.41	365.98	-16.68	117.31	231.98	-182.54	156.08	39.84	57.78	138.14	-41.99
58	8	109	332.19	124.49	-23.16	16.32	85.01	-65.35	-31.94	-50.33	-49.82	-32.46	3.02
		242	349.57	5.05	-26.05	-23.91	2.91	-7.88	9.21	-51.82	-24.40	-18.21	30.36
		107	576.89	61.69	1.86	60.63	2.91	-7.88	109.08	52.76	55.42	106.41	-11.96
		106	760.78	158.76	27.11	100.86	85.01	-65.35	111.19	10.99	30.00	92.17	-39.29
58	9	109	330.58	258.09	-2.38	94.20	161.52	-125.81	-6.69	-33.02	-32.97	-6.74	-1.20
		242	428.50	233.50	-2.43	86.09	144.98	-114.23	13.28	-30.04	-19.76	3.01	18.43
		107	758.26	229.98	-8.53	76.47	144.98	-114.23	110.78	53.26	55.62	108.42	-11.42
		106	848.24	254.61	-8.51	84.57	161.52	-125.81	112.44	28.65	42.42	98.67	-31.05
58	10	109	304.73	148.28	-15.35	35.37	97.56	-75.67	-23.08	-42.19	-42.04	-23.24	1.71
		242	347.43	62.87	-15.42	7.26	40.19	-35.52	9.37	-42.27	-21.80	-11.10	25.26
		107	590.90	86.76	13.11	59.68	40.19	-35.52	103.79	50.57	52.91	101.44	-10.93
		106	735.84	168.50	16.84	87.79	97.56	-75.67	105.61	16.37	32.67	89.31	-34.48
58	11	109	336.57	275.28	-1.14	101.05	173.09	-133.43	-2.18	-32.01	-31.81	-2.38	-2.43
		242	430.06	258.02	-1.18	95.36	161.48	-125.31	15.07	-27.47	-19.65	7.25	16.47
		107	783.03	252.01	-11.98	78.54	161.48	-125.31	111.76	52.84	54.96	109.64	-10.98
		106	862.41	269.29	-11.98	84.22	173.09	-133.43	112.77	30.05	42.81	100.01	-29.88
59	1	51	1.101e+04	126.45	-1591.27	-1569.98	105.16	-190.04	53.14	-8.21	-8.21	53.14	-0.11
		54	1.139e+04	-4.07	-1634.31	-1627.05	-11.32	-108.50	44.57	-22.03	-21.41	43.94	-6.40
		878	8547.77	-2.30	-1315.88	-1306.85	-11.32	-108.50	16.77	-25.40	-23.44	14.81	-8.87
		876	7910.36	131.31	-1275.93	-1249.78	105.16	-190.04	24.20	-10.44	-10.25	24.01	-2.58
59	2	51	1.090e+04	124.73	-1567.68	-1546.39	103.45	-188.62	53.35	-7.78	-7.77	53.35	-0.33
		54	1.129e+04	-3.99	-1609.96	-1602.63	-11.33	-108.27	44.76	-21.77	-21.12	44.11	-6.56
		878	8418.16	-2.15	-1288.91	-1279.73	-11.33	-108.27	16.97	-25.06	-23.00	14.90	-9.09
		876	7773.04	129.73	-1249.78	-1223.49	103.45	-188.62	24.39	-9.89	-9.65	24.15	-2.86
59	3	51	1.078e+04	122.99	-1541.42	-1520.82	102.38	-184.04	53.32	-7.55	-7.55	53.32	-0.05
		54	1.115e+04	-4.13	-1583.38	-1576.42	-11.09	-104.60	44.69	-21.41	-20.81	44.08	-6.28
		878	8303.90	-2.40	-1269.59	-1260.90	-11.09	-104.60	16.84	-24.71	-22.75	14.88	-8.81
		876	7668.27	127.79	-1230.70	-1205.30	102.38	-184.04	24.31	-9.69	-9.49	24.11	-2.58
59	4	51	1.078e+04	124.23	-1539.94	-1519.32	103.61	-184.08	53.33	-7.54	-7.54	53.33	-0.02
		54	1.115e+04	-4.18	-1582.36	-1575.50	-11.04	-103.83	44.69	-21.40	-20.80	44.09	-6.26
		878	8312.17	-2.50	-1272.46	-1263.92	-11.04	-103.83	16.84	-24.69	-22.74	14.88	-8.79
		876	7679.22	128.96	-1233.09	-1207.73	103.61	-184.08	24.31	-9.67	-9.47	24.12	-2.56
59	5	51	1.131e+04	133.06	-1647.66	-1624.23	109.63	-202.91	53.64	-8.31	-8.27	53.60	-1.54
		54	1.173e+04	-4.44	-1692.34	-1684.14	-12.63	-117.33	45.20	-22.87	-21.98	44.31	-7.73
		878	8720.51	-2.23	-1335.83	-1325.43	-12.63	-117.33	17.61	-26.13	-23.55	15.03	-10.30
		876	8049.67	138.95	-1294.83	-1265.52	109.63	-202.91	24.82	-10.32	-9.83	24.33	-4.11
59	6	51	1.102e+04	128.71	-1592.03	-1570.51	107.19	-191.22	53.15	-8.21	-8.21	53.15	-0.17
		54	1.140e+04	-4.37	-1635.89	-1628.70	-11.56	-108.10	44.58	-22.03	-21.40	43.95	-6.45
		878	8564.17	-2.63	-1320.00	-1311.07	-11.56	-108.10	16.78	-25.42	-23.44	14.81	-8.92
		876	7931.19	133.56	-1279.26	-1252.88	107.19	-191.22	24.20	-10.45	-10.25	24.00	-2.63
59	7	51	1.075e+04	121.75	-1535.11	-1514.68	101.31	-182.85	53.29	-7.52	-7.52	53.29	0.04
		54	1.112e+04	-3.96	-1576.62	-1569.67	-10.91	-104.29	44.65	-21.33	-20.74	44.06	-6.20
		878	8282.92	-2.25	-1266.23	-1257.57	-10.91	-104.29	16.80	-24.64	-22.71	14.87	-8.73
		876	7647.97	126.47	-1227.73	-1202.58	101.31	-182.85	24.28	-9.67	-9.48	24.10	-2.49
59	8	51	8402.79	94.93	-1190.29	-1174.45	79.09	-141.81	42.45	-5.61	-5.61	42.45	0.16
		54	8691.43	-3.21	-1222.72	-1217.38	-8.54	-80.47	35.53	-16.57	-16.13	35.09	-4.78
		878	6447.66	-1.89	-981.77	-975.12	-8.54	-80.47	13.34	-19.17	-17.67	11.85	-6.82
		876	5946.82	98.59	-951.69	-932.18	79.09	-141.81	19.33	-7.28	-7.15	19.20	-1.88
59	9	51	7668.17	88.86	-1117.38	-1102.37	73.85	-133.73	36.25	-5.95	-5.95	36.25	-0.27

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		54	7935.04	-2.86	-1147.60	-1142.47	-7.99	-76.45	30.44	-15.45	-14.98	29.98	-4.58
		878	5969.16	-1.59	-921.87	-915.48	-7.99	-76.45	11.50	-17.76	-16.36	10.11	-6.24
		876	5529.87	92.33	-893.86	-875.38	73.85	-133.73	16.53	-7.48	-7.33	16.38	-1.94
59	10	51	7538.07	86.94	-1089.69	-1075.06	72.30	-130.39	36.35	-5.58	-5.58	36.35	-0.24
		54	7801.62	-2.89	-1119.30	-1114.34	-7.86	-74.28	30.51	-15.10	-14.65	30.06	-4.51
		878	5833.62	-1.65	-896.16	-889.94	-7.86	-74.28	11.55	-17.38	-15.98	10.14	-6.21
		876	5395.12	90.37	-868.73	-850.66	72.30	-130.39	16.59	-7.07	-6.91	16.44	-1.94
59	11	51	7674.20	90.12	-1117.81	-1102.66	74.97	-134.39	36.25	-5.94	-5.94	36.25	-0.30
		54	7938.40	-3.02	-1148.48	-1143.38	-8.12	-76.22	30.45	-15.45	-14.98	29.98	-4.61
		878	5978.28	-1.78	-924.16	-917.82	-8.12	-76.22	11.51	-17.77	-16.36	10.10	-6.27
		876	5541.48	93.58	-895.71	-877.10	74.97	-134.39	16.54	-7.49	-7.33	16.37	-1.97
60	1	242	762.62	333.28	-3.89	128.08	201.30	-164.56	52.62	-36.93	26.29	-10.61	40.79
		300	1734.26	355.57	-3.80	135.44	216.32	-175.08	228.84	-37.40	154.63	36.82	119.38
		304	1292.12	357.36	-1.02	140.02	216.32	-175.08	237.46	120.86	176.98	181.34	58.26
		107	1004.77	335.08	-1.12	132.66	201.30	-164.56	138.52	44.05	48.64	133.92	-20.32
60	2	242	733.86	244.80	-32.59	128.87	83.35	-136.81	38.44	-60.89	15.47	-37.92	41.88
		300	1919.96	333.00	-28.04	159.37	145.59	-180.39	248.09	-58.80	163.61	25.69	137.08
		304	1556.05	324.31	-36.48	142.24	145.59	-180.39	281.83	126.68	204.17	204.34	77.58
		107	906.79	235.09	-40.01	111.74	83.35	-136.81	144.25	52.51	56.02	140.74	-17.62
60	3	242	577.28	211.60	-205.32	177.67	-171.39	-114.00	-22.33	-73.11	-28.47	-66.98	16.55
		300	1730.13	440.96	-129.17	278.14	33.65	-257.53	199.34	-61.39	124.66	13.29	117.87
		304	1659.59	371.70	-162.53	175.51	33.65	-257.53	268.68	104.27	176.75	196.21	81.63
		107	835.74	119.69	-216.03	75.04	-171.39	-114.00	119.97	19.59	23.62	115.94	-19.69
60	4	242	740.32	320.88	-3.04	136.84	181.01	-160.45	52.47	-37.30	31.33	-16.16	38.09
		300	1706.83	312.86	-3.13	134.17	175.56	-156.64	231.69	-36.63	162.93	32.13	117.14
		304	1255.57	312.49	-3.62	133.30	175.56	-156.64	233.30	120.50	180.92	172.88	56.26
		107	955.37	320.51	-3.53	135.97	181.01	-160.45	130.96	42.96	49.33	124.59	-22.79
60	5	242	742.59	319.57	2.19	122.15	199.60	-153.89	58.85	-31.17	34.02	-6.34	40.23
		300	1735.20	301.73	2.14	116.27	187.60	-145.49	241.77	-30.33	169.16	42.28	120.36
		304	1306.98	304.15	5.99	122.54	187.60	-145.49	241.57	126.48	184.35	183.70	57.55
		107	1011.41	321.97	6.06	128.43	199.60	-153.89	140.65	43.64	49.21	135.07	-22.58
60	6	242	780.70	374.30	6.57	126.22	254.65	-172.29	61.18	-26.83	32.90	1.45	41.10
		300	1710.47	351.63	6.57	118.77	239.43	-161.64	234.14	-26.46	160.73	46.94	117.22
		304	1301.21	355.61	14.54	130.72	239.43	-161.64	235.28	122.66	176.00	181.94	56.23
		107	1063.57	378.28	14.55	138.18	254.65	-172.29	140.72	43.89	48.17	136.45	-19.89
60	7	242	794.57	346.04	5.01	121.67	229.39	-161.78	59.30	-35.51	29.27	-5.49	44.10
		300	1710.46	331.40	5.01	116.85	219.56	-154.90	228.89	-36.76	153.79	38.33	119.62
		304	1270.54	336.10	13.65	130.19	219.56	-154.90	231.98	117.94	172.97	176.95	56.98
		107	1012.04	350.72	13.67	135.01	229.39	-161.78	137.01	44.57	48.45	133.13	-18.54
60	8	242	488.53	165.44	-182.20	142.53	-159.29	-86.26	-23.19	-59.47	-26.64	-56.02	10.65
		300	1334.62	354.68	-112.56	227.67	14.46	-207.87	150.10	-49.17	92.82	8.11	90.18
		304	1306.27	294.50	-139.84	140.20	14.46	-207.87	208.11	78.60	135.14	151.56	64.23
		107	665.28	85.47	-189.68	55.07	-159.29	-86.26	90.56	12.56	15.69	87.43	-15.31
60	9	242	540.76	232.24	-1.67	88.55	142.02	-113.86	38.18	-26.22	19.20	-7.24	29.36
		300	1230.86	244.53	-1.63	92.60	150.30	-119.65	163.49	-26.54	110.48	26.48	85.23
		304	920.23	245.97	0.65	96.32	150.30	-119.65	169.54	85.91	126.30	129.15	41.79
		107	709.91	233.68	0.59	92.26	142.02	-113.86	98.55	31.91	35.03	95.43	-14.08
60	10	242	359.47	150.26	-99.20	116.09	-65.03	-85.77	-3.92	-45.85	-11.22	-38.56	15.89
		300	1222.93	286.87	-66.18	171.88	48.81	-165.46	147.10	-39.86	93.83	13.41	84.39
		304	1116.97	251.26	-86.41	116.04	48.81	-165.46	186.85	76.73	126.17	137.40	54.77
		107	547.47	103.82	-108.60	60.25	-65.03	-85.77	88.25	18.32	21.13	85.44	-13.73
60	11	242	550.88	255.00	4.16	87.51	171.66	-118.15	42.93	-20.61	22.88	-0.55	29.53
		300	1217.71	242.31	4.16	83.34	163.13	-112.19	166.44	-20.46	113.87	32.10	84.03
		304	925.19	244.96	9.32	91.15	163.13	-112.19	168.32	86.91	125.76	129.48	40.66
		107	742.64	257.65	9.33	95.33	171.66	-118.15	99.78	31.82	34.76	96.83	-13.84
61	1	114	901.28	198.72	43.24	85.53	156.43	-69.18	140.84	84.07	91.22	133.69	-18.83
		115	956.35	187.02	43.20	81.67	148.55	-63.66	149.40	52.22	78.87	122.75	-43.35
		108	274.44	176.06	1.21	28.72	148.55	-63.66	-23.11	-31.36	-30.06	-24.41	-3.00
		245	400.70	187.36	1.66	32.59	156.43	-69.18	6.03	-37.21	-17.71	-13.47	21.52
61	2	114	934.45	176.78	48.50	78.38	146.91	-54.22	150.52	86.27	95.21	141.58	-22.24
		115	980.72	152.27	48.15	70.20	130.22	-42.54	160.04	53.71	82.69	131.06	-47.35
		108	237.76	143.79	-3.13	10.44	130.22	-42.54	-20.88	-30.66	-29.37	-22.16	-3.30
		245	371.61	166.75	-1.23	18.62	146.91	-54.22	7.72	-36.21	-16.86	-11.63	21.81
61	3	114	1012.84	163.48	27.96	28.21	163.23	-5.79	167.62	78.88	82.91	163.59	-18.47
		115	975.19	121.30	-2.59	4.29	114.42	28.38	169.73	50.10	69.06	150.77	-43.69
		108	394.91	119.05	-59.59	-54.96	114.42	28.38	8.88	-40.32	-38.94	7.50	-8.11
		245	440.68	163.40	-31.21	-31.04	163.23	-5.79	26.04	-30.81	-25.09	20.32	17.10
61	4	114	894.28	93.74	36.42	59.71	70.45	28.15	161.43	101.73	127.80	135.36	-29.61
		115	955.96	92.03	-2.32	46.41	43.31	47.15	180.23	75.32	127.35	128.19	-52.45
		108	373.78	61.26	-80.55	-62.61	43.31	47.15	-12.15	-52.02	-13.77	-50.41	-7.86
		245	333.31	76.74	-55.59	-49.31	70.45	28.15	-7.10	-49.45	-13.31	-43.24	14.98
61	5	114	815.43	115.97	7.90	71.13	52.73	53.25	148.48	95.91	114.07	130.31	-25.00

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		115	924.33	115.73	-33.53	57.43	24.77	72.82	164.58	59.38	104.09	119.87	-52.01
		108	369.53	60.56	-123.41	-87.62	24.77	72.82	-28.63	-57.84	-28.89	-57.58	-2.72
		245	404.58	72.15	-93.33	-73.92	52.73	53.25	-4.94	-61.11	-18.91	-47.14	24.28
61	6	114	806.13	105.70	86.31	86.90	105.12	3.31	136.29	85.10	99.54	121.85	-23.04
		115	824.67	98.19	53.14	73.52	77.81	22.42	148.90	49.88	87.19	111.59	-47.99
		108	298.08	81.73	-50.41	-46.49	77.81	22.42	-23.74	-41.93	-24.43	-41.24	-3.47
		245	349.30	105.20	-33.19	-33.11	105.12	3.31	1.93	-44.99	-12.08	-30.97	21.47
61	7	114	860.96	161.80	45.18	75.26	131.72	-51.02	138.65	84.23	92.20	130.68	-19.25
		115	912.16	149.02	45.09	71.03	123.09	-44.98	147.97	51.92	79.92	119.97	-43.65
		108	256.07	139.38	-1.06	15.23	123.09	-44.98	-24.98	-30.70	-28.57	-27.11	-2.76
		245	371.28	151.45	-0.26	19.46	131.72	-51.02	5.29	-37.99	-16.30	-16.40	21.64
61	8	114	796.71	131.06	18.95	19.05	130.96	-3.34	131.21	59.80	62.73	128.28	-14.17
		115	762.26	96.79	-7.29	-0.85	90.35	25.09	132.28	37.92	51.95	118.25	-33.57
		108	327.62	94.82	-50.33	-45.86	90.35	25.09	9.98	-31.86	-30.73	8.84	-6.80
		245	363.45	131.03	-26.03	-25.96	130.96	-3.34	22.60	-23.69	-19.95	18.87	12.61
61	9	114	631.46	130.57	31.61	57.87	104.31	-43.70	99.97	60.07	65.25	94.80	-13.41
		115	668.95	121.81	31.56	54.98	98.40	-39.56	106.21	37.30	56.46	87.05	-30.87
		108	189.33	114.34	0.23	16.17	98.40	-39.56	-17.05	-22.14	-21.21	-17.98	-1.97
		245	277.05	122.73	0.64	19.06	104.31	-43.70	4.21	-26.87	-12.43	-10.23	15.50
61	10	114	689.45	108.95	25.16	26.03	108.08	-8.48	114.64	57.40	60.63	111.41	-13.21
		115	674.47	81.37	10.06	11.99	79.44	11.57	117.19	36.44	51.02	102.61	-31.06
		108	237.90	80.65	-31.53	-30.32	79.44	11.57	0.61	-27.01	-26.14	-0.25	-4.81
		245	267.87	108.66	-16.86	-16.29	108.08	-8.48	14.10	-22.09	-16.53	8.55	13.05
61	11	114	578.01	76.46	57.98	58.63	75.80	-3.42	97.27	60.82	69.87	88.22	-15.74
		115	595.12	64.10	45.45	50.45	59.10	8.27	105.84	36.09	61.09	80.85	-33.45
		108	198.85	59.90	-26.42	-25.62	59.10	8.27	-17.57	-27.84	-18.08	-27.33	-2.23
		245	244.95	75.92	-17.56	-17.44	75.80	-3.42	1.74	-30.99	-9.31	-19.95	15.48
62	1	417	602.23	308.80	-7.27	97.73	203.80	-148.87	30.57	-57.01	21.64	-48.08	-26.51
		116	649.68	289.35	-7.27	91.34	190.75	-139.74	41.01	-51.54	26.43	-36.96	-33.71
		109	1123.57	297.64	8.07	114.96	190.75	-139.74	-26.38	-157.08	-35.43	-148.03	33.18
		302	1230.03	317.05	8.10	121.36	203.80	-148.87	-27.80	-171.57	-40.22	-159.15	40.38
62	2	417	625.57	306.40	3.48	101.22	208.67	-141.61	35.85	-56.87	25.16	-46.18	-29.61
		116	691.11	298.62	3.48	98.66	203.44	-137.96	47.34	-51.40	29.41	-33.47	-38.07
		109	1220.50	298.47	3.18	98.21	203.44	-137.96	-26.34	-170.67	-38.27	-158.74	39.74
		302	1331.99	306.26	3.18	100.77	208.67	-141.61	-26.49	-187.48	-42.52	-171.45	48.20
62	3	417	630.09	337.15	27.85	120.47	244.54	-141.67	33.34	-35.38	2.43	-4.47	-34.19
		116	739.68	367.09	27.88	130.32	264.64	-155.74	47.15	-32.89	4.54	9.72	-39.93
		109	951.48	352.63	-11.04	76.95	264.64	-155.74	-19.52	-107.96	-38.42	-89.06	36.26
		302	1019.68	322.97	-11.34	67.09	244.54	-141.67	-19.47	-124.31	-40.53	-103.25	42.01
62	4	417	694.55	284.29	-9.19	88.66	186.44	-138.35	38.20	-73.58	28.05	-63.42	-32.12
		116	716.50	246.37	-9.19	76.19	160.99	-120.54	49.64	-65.34	34.77	-50.47	-38.58
		109	1181.18	257.35	10.21	106.58	160.99	-120.54	-22.02	-173.71	-29.36	-166.38	32.54
		302	1303.34	295.14	10.35	119.05	186.44	-138.35	-26.15	-189.26	-36.08	-179.34	39.00
62	5	417	644.34	285.71	-9.22	89.36	187.13	-139.13	30.23	-75.72	23.61	-69.11	-25.64
		116	664.19	245.44	-9.22	76.12	160.10	-120.21	40.30	-68.22	29.71	-57.63	-32.21
		109	1189.10	255.65	8.88	104.43	160.10	-120.21	-25.04	-175.97	-32.87	-168.15	33.46
		302	1307.86	295.80	9.00	117.67	187.13	-139.13	-28.37	-190.22	-38.96	-179.62	40.03
62	6	417	639.43	332.92	-10.34	104.67	217.92	-162.02	30.52	-65.27	22.87	-57.61	-25.98
		116	668.77	293.99	-10.34	91.86	191.79	-143.73	41.15	-58.67	29.02	-46.54	-32.61
		109	1161.80	304.53	8.56	121.30	191.79	-143.73	-26.55	-164.24	-34.20	-156.59	31.54
		302	1279.75	343.36	8.66	134.10	217.92	-162.02	-29.78	-178.23	-40.35	-167.66	38.18
62	7	417	596.62	297.08	-9.49	92.92	194.68	-144.59	30.06	-58.81	21.71	-50.46	-25.94
		116	638.28	270.14	-9.49	84.06	176.60	-131.94	40.48	-53.26	26.63	-39.41	-33.27
		109	1125.68	280.58	9.19	113.17	176.60	-131.94	-27.41	-161.00	-36.52	-151.89	33.68
		302	1238.93	307.44	9.27	122.03	194.68	-144.59	-28.89	-175.48	-41.44	-162.93	41.01
62	8	417	502.05	266.15	24.09	95.92	194.32	-110.57	27.43	-26.54	0.33	0.55	-26.99
		116	592.40	293.32	24.12	104.87	212.58	-123.35	38.43	-24.91	1.80	11.73	-31.28
		109	722.79	280.84	-10.32	57.94	212.58	-123.35	-13.92	-79.30	-29.85	-63.37	28.07
		302	770.94	253.97	-10.65	49.00	194.32	-110.57	-14.02	-91.84	-31.32	-74.54	32.36
62	9	417	424.40	213.62	-5.18	67.53	140.91	-103.06	21.57	-41.00	15.34	-34.78	-18.73
		116	456.97	199.14	-5.18	62.77	131.20	-96.26	28.91	-37.10	18.70	-26.89	-23.87
		109	796.11	205.05	5.72	79.57	131.20	-96.26	-18.75	-112.25	-25.20	-105.80	23.70
		302	872.33	219.50	5.75	84.33	140.91	-103.06	-19.71	-122.53	-28.56	-113.69	28.83
62	10	417	423.64	229.33	14.38	80.16	163.55	-99.06	21.28	-27.16	4.66	-10.55	-23.00
		116	489.56	242.29	14.39	84.43	172.25	-105.15	30.37	-24.79	6.53	-0.95	-27.32
		109	697.06	234.91	-4.21	58.45	172.25	-105.15	-15.62	-84.28	-26.86	-73.04	25.41
		302	753.41	222.01	-4.28	54.18	163.55	-99.06	-15.55	-95.81	-28.73	-82.63	29.73
62	11	417	445.34	227.02	-6.88	71.38	148.76	-110.37	21.54	-45.59	16.02	-40.07	-18.44
		116	467.82	201.72	-6.88	63.06	131.78	-98.48	28.97	-41.05	20.13	-32.21	-23.26
		109	817.37	208.88	5.99	83.09	131.78	-98.48	-18.85	-116.21	-24.52	-110.55	22.79
		302	899.97	234.12	6.05	91.41	148.76	-110.37	-20.82	-126.22	-28.63	-118.41	27.61
63	1	532	1358.35	261.94	-61.14	84.59	116.21	-160.76	244.74	120.99	187.17	178.56	61.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		114	813.13	182.66	-62.82	57.97	61.87	-122.73	126.54	45.16	52.68	119.01	-23.58
		245	573.27	198.02	-48.76	87.39	61.87	-122.73	27.49	-50.88	18.55	-41.94	24.91
		300	1637.94	275.87	-45.66	114.01	116.21	-160.76	214.68	-44.04	153.04	17.60	110.22
63	2	532	1406.56	265.47	-70.10	81.44	113.93	-167.00	253.46	129.51	195.39	187.58	61.85
		114	936.42	157.54	-72.68	45.10	39.76	-115.08	135.34	46.59	55.65	126.28	-26.87
		245	553.77	177.42	-56.44	81.22	39.76	-115.08	28.70	-50.64	19.98	-41.92	24.82
		300	1692.11	282.76	-51.26	117.56	113.93	-167.00	223.01	-43.92	159.71	19.38	113.54
63	3	532	1502.15	330.13	-104.66	30.27	195.20	-201.15	268.66	130.90	180.76	218.80	66.20
		114	936.89	86.50	-104.88	-49.92	31.54	-86.59	154.39	35.44	40.46	149.37	-23.90
		245	307.62	118.49	-54.69	32.26	31.54	-86.59	8.88	-21.86	1.08	-14.06	13.38
		300	1576.94	359.18	-51.53	112.45	195.20	-201.15	210.44	-13.69	141.39	55.37	103.48
63	4	532	1609.99	192.61	-109.16	66.39	17.07	-148.86	289.13	141.14	231.47	198.80	72.17
		114	758.66	42.69	-131.20	9.84	-98.34	-68.07	139.05	75.63	89.49	125.19	-26.21
		245	673.54	71.16	-125.68	43.83	-98.34	-68.07	28.72	-77.54	26.17	-74.99	16.26
		300	1717.41	213.30	-95.85	100.38	17.07	-148.86	225.97	-59.20	168.15	-1.38	114.65
63	5	532	1650.73	197.78	-162.54	84.92	-49.67	-167.12	287.15	128.25	221.72	193.68	78.20
		114	765.47	47.17	-205.06	21.41	-179.29	-76.39	126.13	58.70	69.59	115.24	-24.82
		245	761.08	80.00	-201.79	57.50	-179.29	-76.39	12.83	-89.12	9.66	-85.95	17.70
		300	1761.27	223.32	-151.98	121.01	-49.67	-167.12	224.58	-70.30	161.80	-7.51	120.71
63	6	532	1462.36	240.25	-131.69	94.41	14.14	-181.58	253.64	120.48	197.30	176.82	65.78
		114	674.11	101.52	-151.46	42.29	-92.23	-107.12	118.96	45.44	56.84	107.55	-26.62
		245	592.20	130.98	-143.64	79.57	-92.23	-107.12	12.85	-71.99	10.20	-69.34	14.76
		300	1627.14	263.78	-117.94	131.69	14.14	-181.58	206.30	-55.72	150.65	-0.07	107.17
63	7	532	1343.54	232.96	-63.88	75.95	93.13	-148.17	242.53	119.87	186.92	175.48	61.06
		114	766.90	146.98	-66.51	46.81	33.67	-106.54	124.45	46.22	54.26	116.41	-23.75
		245	546.17	163.57	-53.72	76.18	33.67	-106.54	26.72	-53.79	18.43	-45.51	24.46
		300	1609.31	247.52	-49.07	105.32	93.13	-148.17	211.44	-46.78	151.10	13.56	109.27
63	8	532	1162.12	265.89	-83.88	20.47	161.54	-160.03	208.03	100.98	137.78	171.23	50.84
		114	742.77	67.88	-84.38	-44.81	28.31	-66.77	121.07	25.82	29.59	117.29	-18.58
		245	222.06	92.24	-41.43	22.50	28.31	-66.77	5.67	-14.23	-0.61	-7.95	9.25
		300	1207.80	288.89	-39.57	87.78	161.54	-160.03	161.27	-7.70	107.58	45.99	78.67
63	9	532	969.64	178.15	-44.67	57.70	75.78	-111.04	174.78	85.98	133.73	127.03	44.27
		114	565.88	119.37	-46.13	37.89	35.35	-82.74	89.80	32.75	38.07	84.48	-16.59
		245	400.70	130.74	-36.42	58.97	35.35	-82.74	19.52	-36.93	13.20	-30.61	17.80
		300	1162.74	188.33	-33.77	78.78	75.78	-111.04	152.79	-31.99	108.86	11.93	78.66
63	10	532	1048.81	214.80	-67.61	27.53	119.66	-133.48	187.52	92.04	130.16	149.39	46.76
		114	629.49	64.08	-67.63	-22.05	18.50	-62.66	105.16	27.47	31.27	101.35	-16.77
		245	250.32	86.27	-39.43	28.35	18.50	-62.66	8.90	-20.52	3.50	-15.12	11.39
		300	1127.66	233.89	-36.31	77.92	119.66	-133.48	150.23	-14.93	102.39	32.92	74.92
63	11	532	1027.35	165.69	-83.45	63.16	19.08	-122.61	179.71	85.71	139.35	126.07	46.53
		114	486.27	73.51	-94.59	29.18	-50.27	-74.07	85.52	32.98	40.38	78.12	-18.28
		245	389.24	92.94	-88.58	54.63	-50.27	-74.07	11.15	-48.43	8.56	-45.83	12.16
		300	1156.68	181.28	-73.60	88.61	19.08	-122.61	148.11	-38.46	107.54	2.12	76.96
64	1	115	953.99	177.75	10.80	69.75	118.81	-79.79	147.83	44.58	69.42	122.99	-44.13
		415	1096.10	201.13	10.82	77.44	134.51	-90.78	158.70	18.06	53.47	123.29	-61.04
		301	257.96	196.31	1.17	62.97	134.51	-90.78	20.82	4.73	5.27	20.29	2.89
		108	351.30	172.92	1.16	55.28	118.81	-79.79	40.41	0.79	21.22	19.98	19.80
64	2	115	976.60	140.48	12.19	57.77	94.91	-61.40	158.52	46.68	73.45	131.75	-47.72
		415	1112.22	151.69	12.20	61.45	102.44	-66.67	169.96	18.73	56.52	132.16	-65.48
		301	236.72	146.72	2.08	46.37	102.44	-66.67	24.42	6.26	6.52	24.16	2.15
		108	324.54	135.52	2.08	42.68	94.91	-61.40	43.51	3.69	23.45	23.74	19.91
64	3	115	944.50	42.26	1.12	2.63	40.75	-7.73	168.96	47.46	63.67	152.75	-41.31
		415	1023.97	20.67	-10.34	-8.24	18.57	7.79	176.49	15.15	42.96	148.68	-60.94
		301	327.06	22.05	1.12	4.60	18.57	7.79	49.13	-5.53	-5.25	48.84	-3.91
		108	351.81	42.93	13.29	15.47	40.75	-7.73	58.64	9.74	15.46	52.92	15.72
64	4	115	949.56	28.73	-20.51	23.77	-15.55	14.82	174.51	52.44	102.89	124.05	-60.11
		415	1081.93	35.50	8.02	35.38	8.14	-1.77	186.90	18.13	82.51	122.52	-81.98
		301	161.11	8.41	-3.21	-2.94	8.14	-1.77	21.30	-7.47	19.25	-5.43	-7.39
		108	301.73	-0.23	-29.87	-14.55	-15.55	14.82	44.01	-8.27	39.63	-3.89	14.47
64	5	115	914.31	37.59	-58.35	23.33	-44.10	34.13	162.01	54.43	93.55	122.88	-51.75
		415	1030.06	41.26	-16.54	38.29	-13.57	12.75	173.83	12.87	67.74	118.96	-76.30
		301	93.06	-2.05	-27.69	-16.17	-13.57	12.75	7.17	-9.62	7.17	-9.62	-0.23
		108	379.78	-2.88	-72.35	-31.13	-44.10	34.13	44.71	-17.43	32.97	-5.69	24.32
64	6	115	806.11	49.76	15.61	46.26	19.11	-10.35	146.68	49.93	81.45	115.17	-45.34
		415	970.37	83.03	22.81	59.57	46.27	-29.36	156.75	12.85	58.22	111.39	-66.86
		301	85.98	63.89	-2.67	14.95	46.27	-29.36	7.58	1.20	7.31	1.48	-1.30
		108	287.86	23.92	-3.17	1.64	19.11	-10.35	41.74	-5.94	30.54	5.26	20.22
64	7	115	908.07	139.44	11.55	58.49	92.51	-61.64	146.28	44.79	70.71	120.36	-44.26
		415	1047.82	161.57	11.58	65.77	107.38	-72.05	157.19	18.09	54.71	120.56	-61.27
		301	207.47	156.06	0.75	49.43	107.38	-72.05	17.68	5.46	6.04	17.10	2.58
		108	322.03	133.91	0.74	42.15	92.51	-61.64	39.22	-0.29	22.03	16.90	19.59
64	8	115	735.57	31.11	-1.54	-1.03	30.60	-4.04	131.75	36.31	48.17	119.89	-31.48

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		415	792.25	14.51	-14.76	-10.84	10.58	9.98	137.18	11.27	31.99	116.46	-46.69
		301	268.35	17.06	-4.79	1.68	10.58	9.98	40.63	-5.18	-4.90	40.35	-3.61
		108	286.30	31.42	10.67	11.49	30.60	-4.04	47.50	7.57	11.28	43.78	11.60
64	9	115	666.87	115.02	7.95	46.22	76.75	-51.31	105.08	31.90	49.74	87.25	-31.42
		415	767.71	131.35	7.96	51.59	87.71	-58.99	112.84	12.83	38.26	87.41	-43.55
		301	169.43	127.74	0.77	40.79	87.71	-58.99	14.19	3.37	3.79	13.77	2.09
		108	242.72	111.40	0.77	35.42	76.75	-51.31	28.68	0.20	15.27	13.61	14.22
64	10	115	658.13	37.79	4.52	8.93	33.38	-11.28	116.51	33.81	46.54	103.78	-29.85
		415	724.36	24.19	3.11	3.99	23.31	-4.23	122.51	11.43	32.42	101.51	-43.49
		301	204.66	24.42	7.25	8.37	23.31	-4.23	29.73	-2.14	-2.05	29.64	-1.69
		108	222.69	38.45	8.24	13.30	33.38	-11.28	37.52	6.45	12.07	31.91	11.95
64	11	115	583.82	41.31	13.23	33.18	21.36	-12.74	104.37	34.95	56.42	82.90	-32.09
		415	697.25	65.10	15.26	41.67	38.69	-24.87	111.70	10.00	40.90	80.79	-46.77
		301	69.69	54.15	-1.34	14.12	38.69	-24.87	4.96	3.29	4.92	3.32	-0.23
		108	205.38	28.47	-1.48	5.62	21.36	-12.74	29.22	-3.35	20.44	5.44	14.45
65	1	116	608.81	290.19	-4.13	100.67	185.40	-140.93	64.13	-13.09	57.93	-6.90	-20.98
		117	766.90	309.59	-4.11	107.06	198.43	-150.05	93.34	-6.98	85.78	0.59	-26.48
		242	1032.33	317.77	9.77	129.12	198.43	-150.05	-47.69	-152.82	-48.37	-152.14	8.46
		109	1063.77	298.44	9.70	122.74	185.40	-140.93	-73.95	-161.90	-76.22	-159.62	13.97
65	2	116	621.42	302.23	14.55	90.91	225.87	-127.03	70.67	-11.09	62.81	-3.23	-24.10
		117	834.86	369.85	14.81	113.24	271.43	-158.92	110.36	3.75	104.08	10.03	-25.10
		242	1157.97	368.10	10.14	106.81	271.43	-158.92	-48.61	-161.08	-50.01	-159.68	12.47
		109	1151.93	300.55	9.80	84.48	225.87	-127.03	-89.12	-175.10	-91.28	-172.94	13.47
65	3	116	666.67	396.62	39.60	81.19	355.02	-114.54	60.46	11.85	37.03	35.27	-24.29
		117	922.76	584.40	48.26	145.80	486.87	-206.83	95.51	52.12	89.97	57.66	-14.48
		242	1012.22	573.56	-6.63	80.06	486.87	-206.83	-29.65	-85.56	-38.10	-77.11	20.03
		109	883.12	390.05	-19.57	15.45	355.02	-114.54	-84.21	-106.33	-91.03	-99.51	10.22
65	4	116	684.65	248.69	-5.60	94.54	148.55	-124.24	72.80	-28.25	64.96	-20.42	-27.03
		117	828.72	241.48	-5.63	92.16	143.69	-120.84	103.07	-21.07	93.86	-11.87	-32.53
		242	1069.07	252.23	9.16	117.70	143.69	-120.84	-43.69	-171.32	-43.99	-171.02	6.27
		109	1115.42	259.37	9.26	120.08	148.55	-124.24	-71.61	-180.85	-72.89	-179.57	11.77
65	5	116	634.14	247.34	-8.24	93.62	145.48	-125.13	64.93	-32.01	60.34	-27.42	-20.58
		117	774.41	228.28	-8.35	87.32	132.62	-116.13	93.28	-27.52	86.85	-21.09	-27.11
		242	1079.37	239.49	6.43	113.30	132.62	-116.13	-48.52	-175.97	-48.91	-175.58	7.04
		109	1130.30	258.34	6.74	119.60	145.48	-125.13	-73.72	-183.61	-75.42	-181.91	13.56
65	6	116	643.34	295.62	-11.05	109.86	174.71	-149.87	65.14	-21.56	60.00	-16.42	-20.47
		117	779.81	272.93	-11.17	102.36	159.41	-139.15	93.07	-18.08	85.87	-10.88	-27.36
		242	1044.06	284.94	5.15	130.68	159.41	-139.15	-49.64	-164.53	-49.86	-164.31	5.02
		109	1102.66	307.42	5.47	138.18	174.71	-149.87	-74.24	-171.33	-75.72	-169.85	11.91
65	7	116	602.58	270.68	-9.37	97.02	164.29	-135.93	64.64	-13.99	59.11	-8.46	-20.11
		117	746.17	261.22	-9.39	93.90	157.92	-131.47	92.78	-9.87	85.16	-2.25	-26.91
		242	1011.11	274.33	9.45	125.86	157.92	-131.47	-50.10	-158.02	-50.68	-157.44	7.88
		109	1065.93	283.71	9.57	128.98	164.29	-135.93	-74.31	-166.07	-76.73	-163.66	14.68
65	8	116	541.31	320.03	32.21	62.44	289.79	-88.26	48.01	9.60	26.70	30.91	-19.09
		117	745.68	478.54	40.46	117.29	401.71	-166.60	73.82	45.06	69.50	49.39	-10.27
		242	783.17	469.47	-7.92	59.84	401.71	-166.60	-20.34	-60.98	-28.50	-52.82	16.28
		109	666.89	314.93	-20.13	5.00	289.79	-88.26	-63.84	-78.75	-71.29	-71.30	7.46
65	9	116	427.66	199.68	-3.17	69.55	126.96	-97.28	45.58	-9.58	41.34	-5.34	-14.69
		117	538.41	210.09	-3.16	72.98	133.95	-102.18	66.23	-5.45	60.94	-0.16	-18.74
		242	729.18	216.14	6.93	89.12	133.95	-102.18	-34.03	-109.36	-34.52	-108.87	6.05
		109	753.89	205.77	6.88	85.69	126.96	-97.28	-52.47	-115.70	-54.12	-114.05	10.09
65	10	116	431.21	255.83	24.10	58.73	221.20	-82.62	41.44	6.38	29.73	18.08	-16.54
		117	597.31	361.23	27.46	94.50	294.20	-133.72	67.33	27.48	63.26	31.55	-12.07
		242	712.85	355.16	0.89	61.86	294.20	-133.72	-25.12	-70.88	-28.81	-67.19	12.47
		109	652.98	251.48	-4.20	26.09	221.20	-82.62	-59.34	-83.66	-62.35	-80.65	8.01
65	11	116	447.10	202.68	-7.01	74.65	121.02	-102.25	46.15	-14.29	42.49	-10.63	-14.41
		117	545.84	189.70	-7.06	70.37	112.27	-96.12	66.08	-11.62	60.99	-6.53	-19.22
		242	735.77	197.89	4.36	89.99	112.27	-96.12	-35.14	-115.84	-35.35	-115.63	4.14
		109	775.51	210.77	4.53	94.27	121.02	-102.25	-52.65	-120.93	-53.85	-119.73	8.95
66	1	117	739.32	315.66	-8.65	132.14	174.86	-160.74	106.37	29.03	106.17	29.23	-3.90
		532	645.90	270.94	-9.27	117.24	144.44	-139.44	79.63	60.55	72.88	67.30	-9.12
		300	1319.29	271.48	-8.63	118.41	144.44	-139.44	156.77	-53.03	111.62	-7.88	86.23
		242	1608.26	316.17	-7.99	133.32	174.86	-160.74	181.65	-82.69	144.91	-45.95	91.45
66	2	117	804.07	359.01	-47.71	122.59	188.70	-200.66	113.49	32.44	113.09	32.83	-5.64
		532	686.58	266.45	-48.76	91.81	125.88	-156.68	88.13	67.69	80.82	75.00	-9.80
		300	1405.45	286.61	-26.86	133.87	125.88	-156.68	169.35	-53.81	120.86	-5.31	92.03
		242	1721.92	377.69	-24.34	164.65	188.70	-200.66	191.80	-86.15	153.12	-47.48	96.19
66	3	117	882.70	519.63	-156.27	123.26	240.10	-332.86	92.53	80.22	91.07	81.68	3.97
		532	803.80	321.26	-158.45	57.31	105.50	-238.64	103.98	47.09	48.53	102.53	-8.95
		300	1119.80	410.60	-81.16	223.93	105.50	-238.64	121.53	-21.27	78.33	21.94	65.60
		242	1511.59	598.78	-68.80	289.88	240.10	-332.86	159.73	-37.78	120.87	1.08	78.52
66	4	117	817.06	257.88	-36.13	129.84	91.91	-145.77	116.66	20.84	115.75	21.76	-9.31

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		532	639.15	205.85	-39.94	111.47	54.43	-119.54	86.54	46.30	74.41	58.43	-18.47
		300	1279.58	207.23	-39.09	113.70	54.43	-119.54	151.92	-66.12	114.32	-28.52	82.36
		242	1646.94	259.14	-35.16	132.07	91.91	-145.77	188.65	-98.19	155.66	-65.20	91.52
66	5	117	759.40	243.42	-22.51	122.76	98.15	-132.40	111.18	14.26	111.11	14.32	-2.45
		532	531.38	186.32	-26.24	102.76	57.32	-103.82	70.65	42.63	63.71	49.57	-12.09
		300	1317.77	181.86	-29.23	95.31	57.32	-103.82	154.52	-72.73	112.68	-30.89	88.08
		242	1710.98	239.40	-25.95	115.31	98.15	-132.40	196.45	-102.51	160.08	-66.14	97.73
66	6	117	758.03	287.52	-7.61	138.72	141.19	-147.56	108.74	19.37	108.57	19.54	-3.90
		532	600.99	241.19	-9.24	122.95	109.00	-125.02	76.56	51.85	71.58	56.83	-9.91
		300	1323.23	229.59	-20.62	99.97	109.00	-125.02	156.46	-60.64	114.15	-18.32	86.00
		242	1641.72	276.58	-19.63	115.75	141.19	-147.56	186.15	-90.63	151.13	-55.61	92.01
66	7	117	720.41	271.22	-4.12	121.62	145.48	-137.15	106.52	25.69	106.28	25.93	-4.42
		532	621.56	243.63	-4.65	112.37	126.60	-123.94	79.96	60.54	74.75	65.75	-8.61
		300	1324.33	239.76	-9.14	104.02	126.60	-123.94	159.73	-55.40	113.70	-9.37	88.23
		242	1593.07	267.47	-8.72	113.27	145.48	-137.15	182.14	-86.10	145.23	-49.19	92.41
66	8	117	708.44	422.23	-131.59	96.27	194.38	-272.53	71.55	64.41	68.62	67.34	3.51
		532	644.77	256.80	-133.33	41.29	82.18	-193.99	82.95	34.18	35.24	81.90	-7.09
		300	851.78	332.96	-67.89	182.89	82.18	-193.99	90.26	-13.67	57.17	19.42	48.42
		242	1161.46	489.52	-57.27	237.87	194.38	-272.53	120.63	-25.22	90.55	4.87	59.02
66	9	117	520.52	214.70	-6.43	90.81	117.46	-109.76	75.80	20.20	75.68	20.32	-2.60
		532	450.83	184.56	-6.89	80.75	96.92	-95.38	56.43	43.23	52.07	47.59	-6.21
		300	938.39	184.61	-6.83	80.87	96.92	-95.38	112.23	-38.16	79.86	-5.79	61.81
		242	1142.20	214.75	-6.37	90.93	117.46	-109.76	129.75	-59.34	103.47	-33.06	65.41
66	10	117	579.57	327.95	-88.38	85.87	153.70	-205.38	67.47	49.29	67.30	49.46	1.77
		532	527.45	212.51	-89.77	47.45	75.29	-150.49	68.41	37.29	38.54	67.17	-6.11
		300	818.15	261.27	-46.49	139.49	75.29	-150.49	92.42	-20.28	61.37	10.77	50.35
		242	1078.82	371.54	-39.94	177.91	153.70	-205.38	117.39	-34.20	90.12	-6.93	58.23
66	11	117	531.24	199.06	-5.85	94.46	98.75	-102.43	77.12	14.83	77.01	14.94	-2.61
		532	425.68	168.01	-6.86	83.92	77.23	-87.37	54.75	38.37	51.35	41.77	-6.64
		300	940.49	161.36	-13.51	70.62	77.23	-87.37	112.04	-42.37	81.27	-11.59	61.69
		242	1160.79	192.77	-12.85	81.17	98.75	-102.43	132.24	-63.74	106.93	-38.43	65.72
67	1	233	984.69	170.32	-15.30	84.64	70.38	-92.53	-58.19	-170.71	-59.02	-169.88	9.63
		119	1090.66	241.85	-12.91	108.95	119.99	-127.26	-67.79	-175.62	-72.77	-170.65	22.62
		115	566.56	232.64	-23.78	88.87	119.99	-127.26	61.05	-16.54	57.69	-13.18	-15.79
		114	675.55	160.05	-25.11	64.57	70.38	-92.53	80.37	-21.35	71.44	-12.42	-28.78
67	2	233	997.72	148.67	-17.64	87.36	43.67	-80.23	-59.01	-178.11	-60.19	-176.94	11.79
		119	1107.68	215.72	-12.96	110.95	91.82	-113.94	-65.38	-183.63	-71.64	-177.38	26.46
		115	576.59	198.86	-29.46	77.59	91.82	-113.94	64.89	-16.63	61.07	-12.81	-17.24
		114	690.33	129.23	-31.57	54.00	43.67	-80.23	83.18	-23.02	72.51	-12.36	-31.92
67	3	233	1073.01	40.41	-75.44	40.38	-75.42	1.83	-71.01	-190.25	-76.09	-185.17	24.09
		119	1075.80	63.39	-44.69	58.05	-39.35	-23.42	-55.87	-196.51	-72.67	-179.71	45.61
		115	394.43	12.18	-49.99	1.54	-39.35	-23.42	49.57	-16.92	49.41	-16.76	-3.22
		114	479.33	-16.07	-75.47	-16.13	-75.42	1.83	54.01	-30.25	45.99	-22.22	-24.74
67	4	233	1528.16	64.25	-111.26	62.46	-109.46	-17.67	-89.69	-267.15	-90.44	-266.40	11.52
		119	1463.99	165.00	-53.58	114.56	-3.13	-92.10	-111.21	-273.10	-116.85	-267.45	29.71
		115	796.62	129.48	-67.09	65.53	-3.13	-92.10	95.09	-28.51	91.61	-25.04	-20.43
		114	976.88	15.92	-111.95	13.43	-109.46	-17.67	127.85	-33.81	118.03	-23.99	-38.61
67	5	233	1374.48	95.56	-142.39	92.48	-139.31	-26.89	-80.99	-231.86	-81.30	-231.55	6.82
		119	1269.40	214.06	-71.53	154.75	-12.22	-115.85	-84.68	-232.41	-90.51	-226.58	28.75
		115	741.23	159.73	-90.27	81.68	-12.22	-115.85	82.55	-23.03	79.67	-20.15	-17.20
		114	869.05	23.84	-143.74	19.41	-139.31	-26.89	101.01	-37.26	88.88	-25.12	-39.13
67	6	233	1134.63	120.40	-83.39	102.30	-65.30	-57.96	-67.42	-198.42	-67.63	-198.21	5.26
		119	1152.54	246.93	-45.50	156.38	45.05	-135.21	-65.72	-197.56	-70.81	-192.47	25.40
		115	666.44	207.55	-67.45	95.05	45.05	-135.21	68.90	-24.44	66.57	-22.10	-14.57
		114	764.55	66.47	-90.79	40.98	-65.30	-57.96	80.84	-38.93	69.75	-27.84	-34.71
67	7	233	971.35	137.88	-18.62	75.42	43.84	-76.64	-57.62	-173.62	-58.44	-172.80	9.71
		119	1075.28	210.29	-14.74	100.51	95.04	-112.48	-66.99	-178.39	-71.91	-173.47	22.90
		115	560.74	199.66	-25.89	78.73	95.04	-112.48	62.03	-18.64	58.77	-15.38	-15.89
		114	670.83	125.54	-28.06	53.64	43.84	-76.64	81.07	-23.53	72.25	-14.71	-29.07
67	8	233	836.08	29.34	-64.29	28.97	-63.92	5.87	-55.43	-147.25	-59.82	-142.86	19.59
		119	844.50	43.65	-39.70	41.76	-37.82	-12.40	-41.87	-152.21	-55.87	-138.20	36.73
		115	295.74	0.16	-41.87	-3.89	-37.82	-12.40	37.04	-13.00	36.99	-12.95	-1.50
		114	355.24	-15.96	-64.63	-16.68	-63.92	5.87	39.16	-23.73	33.04	-17.61	-18.64
67	9	233	696.60	111.62	-11.82	57.80	42.00	-61.21	-41.38	-122.35	-41.99	-121.74	6.99
		119	771.93	162.92	-9.71	75.37	77.85	-86.31	-48.06	-125.82	-51.66	-122.23	16.33
		115	400.20	155.80	-17.71	60.24	77.85	-86.31	43.71	-12.12	41.39	-9.79	-11.16
		114	478.19	103.55	-18.88	42.67	42.00	-61.21	57.36	-15.61	51.06	-9.30	-20.51
67	10	233	736.70	34.27	-40.05	33.21	-39.00	-8.79	-48.71	-133.00	-51.48	-130.23	15.02
		119	741.24	58.87	-22.45	47.09	-10.67	-28.62	-41.70	-137.16	-51.60	-127.26	29.10
		115	296.99	31.25	-30.21	11.72	-10.67	-28.62	37.14	-12.14	36.79	-11.78	-4.18
		114	366.51	-0.17	-40.99	-2.16	-39.00	-8.79	42.72	-20.55	36.92	-14.75	-18.26
67	11	233	774.43	82.80	-48.57	67.61	-33.38	-42.01	-46.54	-137.70	-46.77	-137.47	4.56

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		119	806.22	165.42	-27.49	101.72	36.21	-90.72	-46.92	-138.01	-50.57	-134.35	17.88
		115	456.13	141.70	-41.81	63.67	36.21	-90.72	48.07	-16.50	46.32	-14.75	-10.48
		114	527.02	50.58	-54.39	29.57	-33.38	-42.01	57.62	-25.37	50.12	-17.87	-23.80
68	1	292	302.87	222.36	-6.28	69.77	146.30	-107.73	28.55	-1.43	3.15	23.97	10.79
		120	439.71	221.46	-6.28	69.48	145.70	-107.30	39.67	-9.42	11.65	18.61	24.30
		116	1035.68	228.05	5.88	88.23	145.70	-107.30	152.91	41.33	65.26	128.98	-45.80
		417	1151.99	228.95	5.88	88.53	146.30	-107.73	166.42	24.69	56.76	134.34	-59.30
68	2	292	403.09	302.62	-4.47	98.95	199.20	-145.13	39.38	-0.67	5.04	33.67	14.01
		120	521.44	311.49	-4.47	101.87	205.15	-149.30	42.29	-10.34	7.72	24.23	24.98
		116	1206.71	311.18	-5.09	100.93	205.15	-149.30	167.33	40.71	66.36	141.68	-50.90
		417	1312.45	302.31	-5.09	98.02	199.20	-145.13	183.16	31.64	63.69	151.12	-61.87
68	3	292	990.87	525.85	-1.76	178.10	345.99	-250.10	90.86	-43.60	-25.05	72.30	46.38
		120	1057.85	549.16	-1.76	185.77	361.63	-261.05	76.95	-58.12	-33.74	52.57	51.95
		116	1622.21	534.76	-31.99	141.13	361.63	-261.05	198.19	20.52	31.77	186.94	-43.28
		417	1716.23	511.46	-32.00	133.47	345.99	-250.10	219.96	27.17	40.47	206.66	-48.86
68	4	292	261.47	118.84	-16.47	32.57	69.81	-65.04	32.17	3.58	13.85	21.91	13.72
		120	391.66	105.36	-16.49	28.13	60.75	-58.70	44.73	-9.55	21.27	13.91	26.89
		116	988.90	122.76	5.18	67.19	60.75	-58.70	164.03	45.10	76.60	132.54	-52.48
		417	1121.57	135.77	5.67	71.63	69.81	-65.04	179.57	30.13	69.17	140.53	-65.65
68	5	292	241.04	135.88	-13.77	39.04	83.06	-71.51	27.89	3.80	10.95	20.74	11.01
		120	371.67	116.00	-13.79	32.50	69.71	-62.17	42.20	-7.23	19.79	15.18	24.61
		116	933.86	130.93	6.58	67.80	69.71	-62.17	153.19	45.60	72.79	125.99	-46.76
		417	1065.56	150.35	7.06	74.34	83.06	-71.51	166.93	28.57	63.96	131.55	-60.36
68	6	292	279.93	189.48	-11.50	56.93	121.05	-95.24	23.35	-0.70	6.43	16.22	10.98
		120	417.46	170.35	-11.50	50.64	108.20	-86.25	39.05	-11.48	16.13	11.45	25.16
		116	960.49	183.32	9.18	84.29	108.20	-86.25	148.35	43.60	69.60	122.35	-45.25
		417	1094.56	202.26	9.37	90.58	121.05	-95.24	161.77	25.24	59.90	127.12	-59.42
68	7	292	274.60	187.95	-7.47	57.75	122.73	-92.15	27.17	-1.09	3.90	22.18	10.78
		120	410.51	181.57	-7.47	55.66	118.45	-89.15	39.56	-9.66	12.84	17.06	24.52
		116	990.28	190.28	7.80	79.63	118.45	-89.15	151.77	42.07	66.37	127.48	-45.55
		417	1111.50	196.64	7.83	81.73	122.73	-92.15	165.21	24.81	57.43	132.59	-59.30
68	8	292	819.85	433.20	-0.90	147.12	285.19	-205.78	74.73	-36.92	-21.62	59.42	38.39
		120	868.66	453.52	-0.89	153.80	298.83	-215.32	62.35	-48.89	-29.67	43.13	42.06
		116	1302.81	440.84	-27.65	114.36	298.83	-215.32	156.50	13.53	21.67	148.35	-33.14
		417	1372.72	420.53	-27.67	107.68	285.19	-205.78	174.03	20.34	29.72	164.65	-36.80
68	9	292	211.79	151.01	-4.63	47.25	99.13	-73.37	20.43	-1.11	2.31	17.01	7.87
		120	308.22	149.55	-4.63	46.76	98.15	-72.68	28.41	-6.88	8.36	13.17	17.48
		116	728.31	154.37	4.19	60.42	98.15	-72.68	108.70	29.54	46.49	91.75	-32.47
		417	811.70	155.84	4.20	60.90	99.13	-73.37	118.32	17.72	40.45	95.58	-42.07
68	10	292	593.21	319.62	-2.12	107.43	210.07	-152.46	55.03	-24.52	-13.35	43.86	27.64
		120	647.06	331.60	-2.12	111.37	218.11	-158.09	48.53	-33.35	-16.86	32.05	32.84
		116	1048.77	324.57	-16.65	89.81	218.11	-158.09	133.12	18.71	27.89	123.94	-31.07
		417	1120.26	312.59	-16.66	85.87	210.07	-152.46	147.13	20.03	31.40	135.76	-36.27
68	11	292	198.41	132.74	-7.53	40.11	85.10	-66.43	17.47	-0.64	4.13	12.70	7.98
		120	295.51	121.15	-7.53	36.30	77.32	-60.98	27.99	-7.95	10.84	9.20	17.95
		116	686.31	129.50	6.05	58.23	77.32	-60.98	106.14	30.83	48.90	88.06	-32.16
		417	779.58	141.00	6.15	62.04	85.10	-66.43	115.72	18.04	42.19	91.57	-42.14
69	1	48	9501.29	162.04	-1295.24	-1240.67	107.46	-276.68	54.35	-2.84	-2.66	54.18	3.14
		51	9900.71	4.51	-1330.54	-1304.08	-21.95	-186.09	42.96	-19.56	-19.40	42.80	-3.16
		876	6497.65	18.59	-876.07	-835.53	-21.95	-186.09	17.39	-20.25	-18.81	15.94	-7.24
		875	5870.77	187.26	-851.91	-772.12	107.46	-276.68	27.36	-2.10	-2.07	27.33	-0.94
69	2	48	9404.35	158.18	-1272.50	-1218.64	104.32	-272.33	54.44	-2.48	-2.34	54.30	2.79
		51	9805.30	4.75	-1306.75	-1280.36	-21.64	-184.16	43.14	-19.28	-19.08	42.95	-3.47
		876	6411.85	19.00	-855.97	-815.32	-21.64	-184.16	17.56	-20.03	-18.45	15.98	-7.54
		875	5782.35	183.46	-832.74	-753.60	104.32	-272.33	27.39	-1.77	-1.71	27.33	-1.29
69	3	48	9316.34	155.67	-1253.84	-1201.26	103.09	-267.11	54.48	-2.35	-2.18	54.31	3.09
		51	9706.78	4.76	-1287.69	-1262.03	-20.91	-180.31	43.10	-19.04	-18.88	42.94	-3.15
		876	6332.30	18.56	-844.69	-805.23	-20.91	-180.31	17.46	-19.74	-18.26	15.99	-7.26
		875	5709.93	180.25	-821.62	-744.46	103.09	-267.11	27.39	-1.60	-1.57	27.36	-1.02
69	4	48	9317.51	155.79	-1254.34	-1201.67	103.12	-267.39	54.48	-2.35	-2.18	54.31	3.10
		51	9709.18	5.30	-1288.05	-1262.24	-20.51	-180.85	43.10	-19.03	-18.87	42.94	-3.14
		876	6336.19	19.13	-845.59	-805.95	-20.51	-180.85	17.46	-19.73	-18.26	15.99	-7.24
		875	5712.45	180.36	-822.60	-745.37	103.12	-267.39	27.39	-1.60	-1.57	27.35	-1.00
69	5	48	9663.14	161.75	-1326.59	-1269.53	104.69	-285.79	54.33	-2.79	-2.76	54.29	1.42
		51	1.011e+04	6.59	-1360.74	-1331.78	-22.36	-196.86	43.45	-19.97	-19.59	43.07	-4.85
		876	6641.65	22.81	-880.29	-835.12	-22.36	-196.86	18.08	-21.00	-18.91	15.99	-8.79
		875	5978.69	189.55	-857.73	-772.86	104.69	-285.79	27.43	-2.29	-2.07	27.21	-2.52
69	6	48	9508.46	161.38	-1298.01	-1243.27	106.64	-277.29	54.32	-2.85	-2.68	54.15	3.08
		51	9913.24	5.62	-1332.82	-1305.94	-21.26	-187.76	42.96	-19.56	-19.40	42.79	-3.22
		876	6503.97	19.99	-875.86	-834.60	-21.26	-187.76	17.41	-20.28	-18.82	15.94	-7.28
		875	5871.89	186.83	-852.13	-771.93	106.64	-277.29	27.34	-2.13	-2.10	27.30	-0.98
69	7	48	9295.55	155.85	-1248.87	-1196.45	103.43	-266.24	54.49	-2.33	-2.14	54.31	3.19

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		51	9680.27	4.29	-1282.89	-1257.48	-21.12	-179.06	43.08	-18.98	-18.83	42.93	-3.05
		876	6317.30	17.86	-843.68	-804.70	-21.12	-179.06	17.42	-19.67	-18.22	15.98	-7.17
		875	5699.54	180.16	-820.40	-743.67	103.43	-266.24	27.40	-1.57	-1.54	27.37	-0.93
69	8	48	7282.02	120.39	-968.93	-928.39	79.85	-206.22	43.40	-1.59	-1.43	43.25	2.62
		51	7580.62	3.62	-995.16	-975.41	-16.12	-139.04	34.31	-14.78	-14.67	34.20	-2.31
		876	4925.66	14.20	-653.70	-623.38	-16.12	-139.04	13.85	-15.31	-14.18	12.73	-5.61
		875	4438.64	139.27	-635.78	-576.36	79.85	-206.22	21.80	-0.96	-0.94	21.78	-0.68
69	9	48	6598.28	113.45	-908.64	-870.30	75.11	-194.21	37.04	-2.17	-2.08	36.94	1.97
		51	6881.25	3.25	-933.30	-914.65	-15.41	-130.85	29.31	-13.66	-13.53	29.18	-2.35
		876	4531.19	13.23	-613.22	-584.58	-15.41	-130.85	11.91	-14.17	-13.13	10.87	-5.11
		875	4096.52	131.28	-596.39	-540.23	75.11	-194.21	18.66	-1.70	-1.67	18.63	-0.79
69	10	48	6494.80	109.92	-885.64	-848.41	72.68	-188.89	37.11	-1.90	-1.81	37.01	1.94
		51	6773.09	3.38	-909.49	-891.29	-14.82	-127.63	29.39	-13.37	-13.24	29.26	-2.35
		876	4439.27	13.22	-595.78	-567.74	-14.82	-127.63	11.95	-13.88	-12.83	10.90	-5.12
		875	4006.80	127.39	-579.57	-524.87	72.68	-188.89	18.68	-1.43	-1.39	18.65	-0.83
69	11	48	6602.36	113.08	-910.18	-871.74	74.65	-194.55	37.02	-2.18	-2.08	36.93	1.93
		51	6888.27	3.86	-934.57	-915.68	-15.02	-131.77	29.31	-13.66	-13.53	29.18	-2.39
		876	4534.73	14.01	-613.10	-584.07	-15.02	-131.77	11.92	-14.18	-13.13	10.87	-5.13
		875	4097.20	131.04	-596.52	-540.13	74.65	-194.55	18.65	-1.72	-1.69	18.62	-0.81
70	1	290	1373.62	200.04	-3.63	21.08	175.33	-66.51	162.58	-66.46	110.38	-14.26	96.08
		233	1631.80	168.92	-6.16	10.02	152.74	-50.70	184.50	-98.95	142.28	-56.73	100.92
		114	621.12	177.71	49.78	74.75	152.74	-50.70	104.58	23.24	104.50	23.32	-2.54
		532	580.02	210.73	50.41	85.81	175.33	-66.51	77.32	61.07	72.60	65.79	-7.38
70	2	290	1419.71	201.45	6.38	27.46	180.37	-60.56	169.80	-69.90	114.18	-14.28	101.18
		233	1671.13	146.00	-0.03	7.12	138.86	-31.50	191.85	-104.79	146.74	-59.68	106.51
		114	633.04	150.24	51.65	63.03	138.86	-31.50	109.57	26.71	109.38	26.90	-3.97
		532	616.25	209.46	54.29	83.37	180.37	-60.56	84.12	65.00	76.81	72.30	-9.29
70	3	290	1538.84	200.87	-19.73	-19.34	200.47	9.34	189.34	-89.97	106.57	-7.19	127.54
		233	1847.01	127.69	-110.11	-73.12	90.71	86.18	220.01	-122.41	153.33	-55.73	135.59
		114	587.63	134.96	-77.11	-32.85	90.71	86.18	101.19	30.17	99.53	31.82	10.72
		532	592.80	200.96	20.45	20.93	200.47	9.34	80.61	52.52	52.77	80.36	2.67
70	4	290	1885.75	97.44	-78.15	-71.94	91.23	32.43	248.47	-96.38	174.12	-22.03	141.82
		233	2071.29	72.16	-116.24	-92.78	48.70	62.20	239.34	-151.32	186.02	-98.00	134.11
		114	880.03	107.16	-17.49	40.96	48.70	62.20	145.09	-0.42	143.87	0.80	-13.27
		532	749.73	112.13	40.90	61.80	91.23	32.43	132.52	76.21	131.96	76.77	-5.56
70	5	290	1659.62	119.04	-66.46	-62.42	115.00	27.07	215.72	-85.17	150.31	-19.76	124.11
		233	1857.80	81.11	-122.21	-93.22	52.13	71.08	219.54	-131.22	170.08	-81.75	122.08
		114	800.94	128.06	-14.41	61.52	52.13	71.08	132.44	10.99	131.96	11.47	-7.59
		532	685.25	133.01	74.32	92.33	115.00	27.07	112.98	72.68	112.20	73.46	-5.56
70	6	290	1482.75	160.26	-30.04	-28.76	158.97	-15.60	181.36	-77.03	125.44	-21.11	106.40
		233	1710.51	103.74	-62.05	-57.87	99.56	25.99	197.91	-114.59	153.83	-70.52	108.77
		114	689.92	115.74	57.81	73.99	99.56	25.99	114.48	12.02	114.31	12.19	-4.15
		532	586.56	163.03	99.04	103.10	158.97	-15.60	87.56	59.96	85.92	61.59	-6.52
70	7	290	1360.04	167.39	-6.01	9.44	151.94	-49.40	163.52	-68.15	111.69	-16.32	96.55
		233	1620.59	136.96	-9.81	-1.81	128.96	-33.32	185.30	-101.10	143.34	-59.14	101.28
		114	618.45	143.16	50.79	64.99	128.96	-33.32	105.74	21.06	105.66	21.14	-2.67
		532	552.61	176.33	51.87	76.25	151.94	-49.40	77.93	60.04	74.01	63.96	-7.40
70	8	290	1194.75	160.83	-16.46	-15.91	160.28	9.88	146.74	-70.93	80.82	-5.01	100.01
		233	1449.52	102.53	-93.61	-60.45	69.37	73.51	171.32	-95.64	118.19	-42.51	106.59
		114	451.04	107.96	-70.65	-32.05	69.37	73.51	77.21	23.67	75.57	25.31	9.22
		532	468.05	160.93	11.83	12.49	160.28	9.88	63.09	37.92	38.20	62.81	2.64
70	9	290	977.84	133.35	-2.96	11.82	118.57	-42.39	116.80	-47.70	79.35	-10.25	68.98
		233	1160.54	110.74	-5.16	3.66	101.92	-30.74	132.09	-71.00	101.85	-40.76	72.30
		114	441.43	116.24	35.96	50.28	101.92	-30.74	74.96	16.22	74.92	16.27	-1.68
		532	406.56	140.47	36.54	58.44	118.57	-42.39	55.33	43.87	52.42	46.79	-4.99
70	10	290	1068.98	132.54	-10.64	-10.63	132.54	-0.25	131.48	-60.57	77.23	-6.32	86.46
		233	1250.14	83.72	-58.79	-42.53	67.45	45.31	151.68	-83.90	107.99	-40.21	91.56
		114	416.72	88.42	-30.46	-9.50	67.45	45.31	72.78	20.37	72.16	20.99	5.69
		532	401.96	132.54	22.39	22.40	132.54	-0.25	54.90	41.37	41.40	54.88	0.59
70	11	290	1038.28	111.05	-17.43	-15.87	109.48	-14.10	127.23	-53.57	87.72	-14.06	74.72
		233	1203.97	73.68	-35.36	-34.05	72.37	11.87	139.53	-79.69	108.27	-48.42	76.66
		114	479.65	77.47	44.76	49.86	72.37	11.87	80.46	9.99	80.36	10.09	-2.57
		532	410.21	113.82	63.70	68.04	109.48	-14.10	61.04	43.23	59.81	44.45	-4.51
71	1	119	1144.20	236.98	0.96	89.19	148.75	-114.19	-30.25	-170.62	-40.56	-160.31	36.62
		291	1255.39	262.51	1.01	97.60	165.92	-126.20	-30.97	-184.83	-45.00	-170.80	44.28
		415	550.85	256.78	-9.38	81.48	165.92	-126.20	24.20	-64.04	18.51	-58.36	-21.67
		115	587.73	231.21	-9.38	73.07	148.75	-114.19	33.52	-58.44	22.95	-47.87	-29.34
71	2	119	1163.10	206.21	3.60	85.32	124.48	-99.40	-30.54	-179.39	-41.53	-168.41	38.92
		291	1276.17	225.87	3.70	91.82	137.75	-108.68	-29.89	-194.35	-44.95	-179.29	47.44
		415	563.19	216.59	-12.08	66.75	137.75	-108.68	26.45	-67.42	20.20	-61.17	-23.41
		115	601.62	196.83	-12.09	60.25	124.48	-99.40	35.49	-62.17	23.61	-50.29	-31.93
71	3	119	1063.31	26.43	-7.78	24.46	-5.81	-7.98	-40.77	-193.51	-57.41	-176.88	47.58

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		291	1182.26	18.08	-18.94	18.04	-18.90	1.19	-29.99	-206.90	-53.12	-183.78	59.63
		415	461.88	-10.88	-19.08	-11.06	-18.90	1.19	7.77	-70.80	6.47	-69.50	-10.05
		115	456.06	2.77	-13.22	-4.64	-5.81	-7.98	9.00	-69.41	2.18	-62.59	-22.10
71	4	119	1556.38	128.92	-0.07	69.68	59.17	-64.28	-44.25	-264.67	-60.53	-248.39	57.65
		291	1738.35	191.02	1.90	90.75	102.18	-94.39	-45.84	-285.32	-68.60	-262.57	70.23
		415	732.13	174.10	-21.69	50.24	102.18	-94.39	43.53	-89.22	38.60	-84.30	-25.08
		115	768.68	110.18	-21.84	29.17	59.17	-64.28	57.76	-81.21	46.67	-70.12	-37.66
71	5	119	1344.31	161.57	0.81	92.48	69.90	-79.58	-39.70	-224.66	-52.07	-212.29	46.20
		291	1513.91	232.51	3.84	116.81	119.54	-114.33	-43.30	-242.28	-60.34	-225.25	55.67
		415	674.33	207.10	-29.75	57.80	119.54	-114.33	33.60	-83.05	28.23	-77.68	-24.44
		115	697.09	133.33	-29.95	33.48	69.90	-79.58	46.81	-75.04	36.50	-64.73	-33.91
71	6	119	1210.09	213.55	3.32	103.16	113.70	-104.99	-33.45	-190.77	-42.65	-181.57	36.93
		291	1350.36	272.91	4.36	123.03	154.24	-133.37	-35.77	-204.94	-48.67	-192.04	44.89
		415	619.12	253.75	-24.50	75.01	154.24	-133.37	26.91	-76.68	22.38	-72.15	-21.18
		115	639.80	193.41	-24.57	55.14	113.70	-104.99	37.01	-70.28	28.40	-61.67	-29.15
71	7	119	1129.55	203.81	1.12	79.42	125.51	-98.69	-29.70	-173.32	-39.84	-163.17	36.80
		291	1242.39	231.91	1.21	88.69	144.43	-111.93	-30.50	-187.51	-44.34	-173.66	44.52
		415	547.84	225.50	-10.11	70.97	144.43	-111.93	25.13	-66.03	19.69	-60.59	-21.59
		115	579.39	197.32	-10.12	61.70	125.51	-98.69	34.36	-60.26	24.19	-50.09	-29.31
71	8	119	832.87	15.32	-12.25	15.31	-12.24	-0.60	-32.15	-149.94	-45.47	-136.61	37.31
		291	929.85	10.98	-26.93	9.05	-25.00	8.33	-22.92	-160.14	-41.46	-141.60	46.90
		415	357.69	-9.34	-29.43	-13.77	-25.00	8.33	4.62	-54.71	3.83	-53.93	-6.78
		115	346.85	-7.44	-12.32	-7.51	-12.24	-0.60	4.81	-53.92	-0.18	-48.94	-16.37
71	9	119	810.16	158.93	0.80	60.75	98.98	-76.72	-21.47	-122.27	-28.83	-114.91	26.22
		291	889.71	177.54	0.84	66.89	111.50	-85.49	-21.97	-132.40	-31.99	-122.39	31.71
		415	389.76	173.19	-6.96	54.74	111.50	-85.49	17.35	-46.07	13.37	-42.09	-15.37
		115	414.69	154.54	-6.96	48.60	98.98	-76.72	23.95	-42.05	16.53	-34.62	-20.86
71	10	119	762.00	37.60	0.30	24.79	13.11	-17.71	-27.40	-134.91	-38.19	-124.12	32.31
		291	826.80	32.02	-0.51	22.69	8.82	-14.71	-21.52	-144.58	-36.50	-129.60	40.23
		415	327.00	21.04	-8.89	3.33	8.82	-14.71	8.09	-49.69	6.68	-48.28	-8.91
		115	333.96	27.39	-8.86	5.43	13.11	-17.71	10.32	-48.13	4.99	-42.80	-16.83
71	11	119	846.79	145.83	2.19	68.52	79.50	-71.61	-23.26	-133.46	-29.99	-126.72	26.40
		291	942.48	183.28	2.75	81.02	105.01	-89.46	-24.65	-143.56	-34.03	-134.19	32.04
		415	428.34	171.51	-15.36	51.14	105.01	-89.46	18.85	-53.08	15.53	-49.76	-15.10
		115	444.10	133.54	-15.39	38.64	79.50	-71.61	25.87	-48.60	19.56	-42.29	-20.75
72	1	120	369.40	222.27	-12.98	82.30	127.00	-115.48	-24.14	-37.04	-36.35	-24.82	2.90
		230	497.32	180.89	-13.29	68.58	99.01	-95.89	7.25	-48.71	-26.63	-14.83	27.35
		117	903.25	189.34	-2.79	87.54	99.01	-95.89	146.99	87.12	91.38	142.73	-17.38
		116	1016.51	230.32	-2.07	101.25	127.00	-115.48	154.52	59.88	81.66	132.74	-39.83
72	2	120	469.57	319.17	-19.92	131.84	167.41	-168.61	-19.83	-40.74	-40.26	-20.31	3.14
		230	602.49	263.30	-20.93	113.14	129.23	-141.89	8.01	-52.49	-34.08	-10.40	27.84
		117	1030.59	248.91	-38.99	80.68	129.23	-141.89	163.27	95.06	98.19	160.14	-14.28
		116	1164.63	305.40	-38.61	99.38	167.41	-168.61	169.77	72.47	92.01	150.23	-38.98
72	3	120	1051.17	578.37	-45.63	265.19	267.55	-312.00	0.10	-99.96	-95.81	-4.06	19.96
		230	1202.07	474.10	-49.47	229.64	194.99	-261.21	34.98	-105.95	-82.58	11.61	52.42
		117	1354.50	402.22	-134.27	72.96	194.99	-261.21	213.22	72.81	73.02	213.00	5.46
		116	1523.48	510.00	-133.95	108.51	267.55	-312.00	202.44	54.69	59.79	197.34	-26.99
72	4	120	297.27	119.79	-30.46	62.29	27.04	-73.03	-21.29	-36.75	-26.19	-31.85	7.19
		230	464.28	90.57	-33.84	51.57	5.16	-57.72	14.00	-52.33	-14.73	-23.60	32.87
		117	865.89	105.57	-28.02	72.39	5.16	-57.72	154.48	95.04	104.63	144.88	-21.87
		116	985.31	133.30	-23.15	83.11	27.04	-73.03	167.18	62.62	93.17	136.63	-47.55
72	5	120	282.63	124.24	-21.26	58.49	44.49	-72.41	-24.47	-33.39	-28.09	-29.77	4.38
		230	434.05	92.45	-23.38	47.34	21.73	-56.48	12.73	-47.68	-15.46	-19.49	30.14
		117	832.09	108.81	-14.90	72.18	21.73	-56.48	146.41	93.96	100.29	140.09	-17.08
		116	934.42	138.88	-11.06	83.33	44.49	-72.41	156.48	60.99	87.67	129.80	-42.85
72	6	120	342.01	173.16	-14.28	69.02	89.86	-93.13	-28.91	-36.58	-32.57	-32.92	3.83
		230	476.70	141.33	-14.83	58.37	68.13	-77.92	6.36	-51.13	-21.92	-22.85	28.74
		117	849.31	157.87	0.47	90.21	68.13	-77.92	141.00	90.18	95.57	135.62	-15.64
		116	953.10	188.66	2.06	100.86	89.86	-93.13	150.59	59.87	84.91	125.55	-40.55
72	7	120	334.87	182.45	-9.91	67.29	105.25	-94.29	-25.29	-36.25	-35.23	-26.31	3.19
		230	473.44	159.52	-10.06	59.70	89.76	-83.45	5.68	-49.32	-26.77	-16.87	27.05
		117	881.59	170.40	3.40	84.04	89.76	-83.45	145.33	87.61	92.11	140.84	-15.47
		116	973.52	192.97	3.90	91.63	105.25	-94.29	153.54	61.51	83.65	131.40	-39.33
72	8	120	869.09	478.11	-37.84	219.92	220.35	-257.98	1.98	-81.94	-78.51	-1.45	16.61
		230	985.31	391.61	-41.08	190.40	160.12	-215.81	29.33	-86.32	-68.04	11.05	42.19
		117	1085.18	330.23	-113.67	56.45	160.12	-215.81	169.59	54.21	54.49	169.31	5.75
		116	1220.99	419.74	-113.43	85.96	220.35	-257.98	160.20	40.64	44.03	156.81	-19.84
72	9	120	257.14	150.32	-8.91	56.14	85.27	-78.27	-17.19	-26.42	-25.84	-17.77	2.24
		230	350.44	123.47	-9.14	47.24	67.10	-65.56	5.20	-34.90	-19.02	-10.68	19.61
		117	637.94	129.34	-1.94	60.30	67.10	-65.56	104.53	62.22	65.16	101.59	-10.77
		116	714.85	155.92	-1.45	69.20	85.27	-78.27	109.88	42.97	58.35	94.50	-28.14
72	10	120	630.98	348.02	-26.92	157.74	163.35	-187.45	-3.74	-61.36	-58.87	-6.23	11.72

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		230	737.76	286.17	-29.04	136.71	120.42	-157.40	20.04	-66.14	-50.11	4.00	33.54
		117	881.50	247.36	-74.74	52.20	120.42	-157.40	140.63	54.96	54.96	140.63	0.81
		116	990.24	311.08	-74.50	73.24	163.35	-187.45	135.34	41.25	46.20	130.39	-21.01
72	11	120	241.49	123.03	-9.64	48.76	64.63	-65.86	-20.15	-25.86	-23.74	-22.26	2.76
		230	338.59	101.48	-9.98	41.56	49.94	-55.57	4.63	-36.17	-16.40	-15.14	20.39
		117	607.66	111.75	-0.02	61.79	49.94	-55.57	101.17	63.95	67.49	97.63	-10.91
		116	679.35	132.70	0.92	68.99	64.63	-65.86	107.66	43.00	60.15	90.51	-28.54
73	1	230	679.13	191.28	-24.10	96.92	70.25	-106.86	44.57	-55.81	24.30	-35.54	40.29
		290	1689.40	201.86	-23.52	100.60	77.74	-112.11	227.56	-55.52	155.18	16.87	123.50
		532	1330.16	210.75	-16.75	116.25	77.74	-112.11	249.25	119.87	188.64	180.49	64.56
		117	820.21	200.35	-17.52	112.58	70.25	-106.86	132.72	53.12	57.76	128.08	-18.65
73	2	230	833.38	254.18	20.73	87.26	187.65	-105.39	68.30	-52.30	37.28	-21.29	52.71
		290	1808.69	190.80	20.53	66.35	144.97	-75.51	251.49	-55.63	169.37	26.50	135.93
		532	1420.40	200.51	42.30	97.83	144.97	-75.51	264.05	129.61	200.39	193.27	67.13
		117	982.82	264.07	42.32	118.74	187.65	-105.39	148.71	65.09	68.30	145.49	-16.09
73	3	230	1352.57	486.59	47.82	78.34	456.07	-111.62	138.68	-72.80	40.11	25.78	105.50
		290	2260.61	247.52	-31.73	-26.44	242.23	38.07	325.32	-77.02	187.76	60.54	190.85
		532	1741.12	249.83	51.46	59.06	242.23	38.07	298.51	120.75	196.07	223.19	87.84
		117	1425.14	493.83	126.08	163.84	456.07	-111.62	188.47	48.37	48.41	188.43	2.49
73	4	230	738.22	106.61	-39.87	77.17	-10.43	-58.70	62.42	-72.54	40.60	-50.72	49.69
		290	1834.53	67.13	-57.54	58.38	-48.78	-31.85	258.90	-75.75	185.74	-2.59	138.31
		532	1344.93	105.50	-55.36	98.92	-48.78	-31.85	254.58	133.05	211.17	176.46	58.24
		117	790.54	140.54	-33.25	117.72	-10.43	-58.70	140.70	53.67	66.03	128.33	-30.39
73	5	230	663.91	110.16	-38.83	74.11	-2.78	-63.80	50.85	-66.98	32.45	-48.58	42.78
		290	1727.30	79.42	-48.23	60.91	-29.72	-44.95	245.36	-66.72	175.10	3.53	130.34
		532	1314.27	109.40	-44.24	94.88	-29.72	-44.95	251.25	126.98	201.85	176.38	60.81
		117	757.13	137.17	-31.87	108.08	-2.78	-63.80	133.85	49.61	59.20	124.27	-26.75
73	6	230	683.49	159.31	-39.13	91.63	28.56	-94.07	44.72	-65.28	26.66	-47.22	40.75
		290	1695.84	143.94	-41.18	85.90	16.86	-85.89	231.06	-64.43	161.14	5.49	125.58
		532	1314.74	165.36	-32.81	115.68	16.86	-85.89	247.99	118.90	193.56	173.33	63.75
		117	761.82	179.89	-29.92	121.41	28.56	-94.07	127.15	52.55	59.08	120.62	-21.08
73	7	230	675.29	169.28	-25.50	85.46	58.32	-96.44	46.63	-56.90	26.24	-36.51	41.17
		290	1676.21	165.74	-25.72	84.22	55.80	-94.67	228.52	-56.79	156.52	15.21	123.93
		532	1319.25	179.41	-16.70	106.90	55.80	-94.67	248.64	119.24	189.59	178.29	64.45
		117	795.11	182.83	-16.37	108.14	58.32	-96.44	131.23	54.65	59.31	126.57	-18.30
73	8	230	1094.09	405.41	38.14	60.99	382.55	-88.72	114.02	-57.94	31.54	24.55	85.91
		290	1800.40	208.31	-33.24	-27.30	202.37	37.41	257.25	-61.03	146.26	49.97	151.68
		532	1376.50	210.72	34.78	43.13	202.37	37.41	233.18	92.62	150.84	174.96	69.23
		117	1152.15	410.73	103.24	131.43	382.55	-88.72	149.65	36.01	36.11	149.54	3.46
73	9	230	484.30	130.03	-16.03	65.64	48.36	-72.51	32.80	-39.89	17.98	-25.08	29.28
		290	1202.48	133.34	-15.84	66.80	50.71	-74.16	163.03	-39.80	111.21	12.03	88.46
		532	945.77	140.61	-10.47	79.43	50.71	-74.16	177.83	85.28	134.75	128.35	46.16
		117	578.96	137.36	-10.72	78.28	48.36	-72.51	94.45	38.32	41.52	91.25	-13.02
73	10	230	856.92	287.08	30.95	55.32	262.70	-75.16	83.98	-48.23	26.77	8.98	65.51
		290	1491.36	142.68	-4.37	-3.78	142.09	9.27	217.00	-51.40	129.31	36.29	125.88
		532	1164.63	142.99	46.76	47.66	142.09	9.27	204.95	86.01	138.88	152.08	59.10
		117	905.76	293.03	76.44	106.76	262.70	-75.16	124.79	36.31	36.33	124.77	-1.27
73	11	230	486.70	111.99	-24.10	62.70	25.19	-65.41	32.84	-45.12	19.30	-31.57	29.54
		290	1206.14	100.90	-25.38	58.63	16.88	-59.59	164.96	-44.73	114.52	5.71	89.62
		532	937.37	115.23	-19.22	79.12	16.88	-59.59	177.11	84.75	137.48	124.38	45.71
		117	545.89	125.74	-17.35	83.19	25.19	-65.41	91.31	38.05	42.26	87.10	-14.37
74	1	431	1050.47	314.82	-17.64	76.52	220.67	-149.79	153.95	70.98	72.13	152.80	-9.67
		433	1073.89	278.52	-17.74	64.54	196.23	-132.69	154.09	52.29	63.38	143.00	-31.71
		119	412.06	290.72	9.91	104.40	196.23	-132.69	3.83	-43.35	-43.08	3.57	3.52
		233	595.13	327.13	9.91	116.37	220.67	-149.79	24.48	-45.45	-34.34	13.37	25.57
74	2	431	1064.24	315.51	-18.37	82.21	214.93	-153.18	156.48	74.12	75.86	154.73	-11.86
		433	1094.02	274.75	-18.41	68.79	187.55	-134.02	158.42	53.40	66.45	145.38	-34.64
		119	423.67	287.73	8.28	108.46	187.55	-134.02	0.78	-42.75	-42.13	0.16	5.15
		233	620.08	328.50	8.31	121.88	214.93	-153.18	23.41	-46.60	-32.71	9.51	27.92
74	3	431	1080.46	166.74	-24.96	27.60	114.17	-85.52	182.68	79.09	80.65	181.13	-12.59
		433	1062.72	82.81	-25.50	-0.17	57.49	-45.84	183.53	53.80	66.38	170.95	-38.39
		119	382.47	100.91	9.10	52.52	57.49	-45.84	17.32	-45.44	-43.74	15.62	10.20
		233	592.44	184.41	10.05	80.29	114.17	-85.52	43.55	-47.23	-29.48	25.80	36.00
74	4	431	1281.16	304.98	-30.78	60.29	213.91	-149.28	203.43	99.17	99.43	203.17	-5.22
		433	1277.15	247.14	-31.06	41.18	174.91	-121.97	202.02	85.41	96.62	190.81	-34.38
		119	582.97	268.31	15.63	109.03	174.91	-121.97	-19.21	-77.54	-75.62	-21.13	10.39
		233	829.46	326.34	15.71	128.15	213.91	-149.28	10.10	-91.68	-72.81	-8.77	39.55
74	5	431	1271.52	413.72	-45.15	81.93	286.64	-205.34	182.06	79.37	79.79	181.64	-6.53
		433	1248.10	330.54	-45.48	54.47	230.59	-166.10	181.17	71.98	79.74	173.41	-28.06
		119	556.25	361.22	19.38	150.01	230.59	-166.10	9.48	-55.50	-54.58	8.56	7.65
		233	793.39	444.52	19.59	177.47	286.64	-205.34	27.21	-64.94	-54.53	16.80	29.17
74	6	431	1194.87	428.29	-42.18	88.27	297.84	-210.61	162.48	70.47	71.34	161.61	-8.89

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		433	1175.95	349.63	-42.48	62.30	244.85	-173.51	162.36	61.03	69.17	154.22	-27.54
		119	484.98	377.35	17.63	150.13	244.85	-173.51	18.57	-39.85	-39.65	18.37	3.41
		233	690.47	456.20	17.74	176.10	297.84	-210.61	32.70	-44.41	-37.48	25.76	22.06
74	7	431	1019.54	287.00	-18.12	67.48	201.40	-137.08	152.48	71.97	73.16	151.29	-9.71
		433	1042.10	251.76	-18.23	55.85	177.67	-120.48	152.95	53.16	64.54	141.57	-31.73
		119	390.78	264.24	10.00	96.57	177.67	-120.48	2.09	-42.49	-42.19	1.79	3.67
		233	571.70	299.58	10.00	108.19	201.40	-137.08	23.15	-45.20	-33.57	11.51	25.69
74	8	431	835.84	120.45	-19.62	18.64	82.19	-62.41	142.52	61.04	62.28	141.29	-9.96
		433	819.78	52.43	-20.11	-3.89	36.21	-30.22	143.22	41.05	50.83	133.44	-30.06
		119	297.97	66.99	6.54	37.31	36.21	-30.22	14.61	-35.16	-33.74	13.19	8.29
		233	458.74	134.42	7.62	59.84	82.19	-62.41	35.08	-36.34	-22.30	21.03	28.39
74	9	431	741.71	216.93	-12.71	52.20	152.01	-103.41	109.64	50.99	51.79	108.83	-6.83
		433	757.56	190.88	-12.79	43.61	134.48	-91.13	109.78	37.67	45.60	101.85	-22.56
		119	288.36	199.68	7.09	72.29	134.48	-91.13	2.43	-30.71	-30.50	2.22	2.62
		233	418.94	225.80	7.09	80.88	152.01	-103.41	17.29	-32.39	-24.30	9.20	18.34
74	10	431	758.10	134.65	-16.78	25.02	92.85	-67.70	125.60	55.49	56.53	124.57	-8.45
		433	750.82	82.10	-17.05	7.65	57.40	-42.89	126.13	38.52	47.27	117.38	-26.27
		119	266.47	93.88	6.98	43.46	57.40	-42.89	9.90	-31.84	-30.86	8.92	6.33
		233	415.35	146.41	7.27	60.83	92.85	-67.70	27.88	-33.38	-21.60	16.11	24.14
74	11	431	821.46	279.96	-26.35	58.73	194.88	-137.20	114.37	50.71	51.36	113.73	-6.40
		433	814.23	230.38	-26.53	42.36	161.49	-113.82	114.34	42.56	48.81	108.08	-20.24
		119	325.06	247.79	11.39	97.69	161.49	-113.82	10.61	-28.75	-28.59	10.45	2.55
		233	471.84	297.50	11.45	114.06	194.88	-137.20	21.71	-31.67	-26.04	16.09	16.39
75	1	44	1307.65	971.93	-1195.49	923.23	-1146.80	-321.20	38.86	-44.49	0.79	-6.42	41.52
		485	792.50	1098.34	334.08	923.23	509.19	-321.20	32.99	-49.54	-11.21	-5.34	41.16
		484	643.29	715.59	9.36	215.76	509.19	-321.20	33.90	-50.65	-11.39	-5.37	42.17
		483	1003.46	287.68	-1218.72	215.76	-1146.80	-321.20	39.76	-45.59	0.60	-6.44	42.53
75	2	44	1250.68	930.96	-1188.68	881.99	-1139.71	-318.45	37.18	-42.04	7.19	-12.05	38.42
		485	752.32	1061.45	316.91	881.99	496.38	-318.45	27.63	-42.48	-10.71	-4.14	34.90
		484	626.64	702.28	3.86	209.76	496.38	-318.45	28.62	-49.41	-12.93	-7.86	38.93
		483	969.50	281.13	-1211.08	209.76	-1139.71	-318.45	38.30	-49.11	4.97	-15.78	42.46
75	3	44	1230.63	950.80	-1149.99	904.11	-1103.29	-309.70	36.22	-41.30	9.39	-14.47	36.88
		485	745.91	1069.38	323.76	904.11	489.03	-309.70	25.38	-39.74	-10.66	-3.70	32.38
		484	611.79	690.85	13.77	215.59	489.03	-309.70	26.53	-48.94	-13.55	-8.86	37.66
		483	934.96	284.69	-1172.40	215.59	-1103.29	-309.70	37.58	-50.71	6.51	-19.64	42.17
75	4	44	1637.41	945.30	-1152.87	898.37	-1105.94	-310.28	96.11	-103.87	-75.55	67.79	69.73
		485	1022.57	1065.53	322.42	898.37	489.58	-310.28	92.62	-124.25	-14.46	-17.17	108.43
		484	721.65	691.25	12.19	213.86	489.58	-310.28	91.38	-52.55	10.48	28.35	71.41
		483	1305.91	283.17	-1175.25	213.86	-1105.94	-310.28	119.59	-56.90	-50.62	113.30	32.71
75	5	44	1534.58	847.00	-1355.06	787.69	-1295.75	-356.50	64.94	-69.94	-38.30	33.30	57.15
		485	912.56	1034.42	272.59	787.69	519.33	-356.50	64.74	-89.18	-12.96	-11.48	76.96
		484	731.04	749.61	-32.57	197.71	519.33	-356.50	64.30	-51.94	-0.12	12.48	57.78
		483	1273.10	278.45	-1376.48	197.71	-1295.75	-356.50	72.04	-40.25	-25.46	57.25	37.97
75	6	44	1786.10	944.12	-1840.98	861.73	-1758.59	-471.90	50.85	-60.07	-17.90	8.68	53.85
		485	1011.64	1252.96	292.53	861.73	683.77	-471.90	51.81	-76.92	-15.63	-9.48	64.29
		484	900.75	971.20	-91.00	196.43	683.77	-471.90	53.12	-61.14	-9.10	1.09	56.90
		483	1515.80	304.38	-1866.54	196.43	-1758.59	-471.90	52.85	-44.98	-11.37	19.25	46.45
75	7	44	1273.93	954.79	-1138.39	908.81	-1092.41	-306.80	38.78	-44.13	-1.48	-3.87	41.44
		485	777.96	1070.54	326.78	908.81	488.51	-306.80	34.18	-50.60	-11.01	-5.41	42.29
		484	621.49	687.40	15.24	214.13	488.51	-306.80	34.99	-49.52	-10.42	-4.10	42.13
		483	971.17	282.59	-1160.87	214.13	-1092.41	-306.80	39.56	-43.01	-0.89	-2.56	41.28
75	8	44	945.63	736.11	-874.72	700.71	-839.32	-236.16	27.40	-31.31	7.57	-11.48	27.77
		485	571.63	825.51	253.80	700.71	378.60	-236.16	18.87	-29.65	-8.02	-2.75	24.12
		484	466.76	531.01	12.66	165.07	378.60	-236.16	19.86	-36.98	-10.34	-6.78	28.37
		483	710.23	217.83	-892.07	165.07	-839.32	-236.16	28.53	-38.79	5.25	-15.50	32.02
75	9	44	923.28	678.35	-852.01	643.55	-817.21	-228.13	27.80	-31.69	0.87	-4.76	29.62
		485	558.13	769.50	230.34	643.55	356.30	-228.13	23.44	-35.21	-8.04	-3.73	29.25
		484	456.21	504.24	4.50	152.45	356.30	-228.13	24.04	-36.29	-8.26	-4.00	30.09
		483	713.27	203.44	-868.21	152.45	-817.21	-228.13	28.40	-32.78	0.65	-5.03	30.46
75	10	44	877.40	666.61	-826.73	632.92	-793.04	-221.75	26.25	-29.84	5.65	-9.24	27.04
		485	532.02	753.37	224.66	632.92	345.10	-221.75	19.21	-29.77	-7.74	-2.82	24.37
		484	438.66	490.51	6.94	152.35	345.10	-221.75	19.95	-35.34	-9.46	-5.94	27.59
		483	675.18	201.78	-842.47	152.35	-793.04	-221.75	27.12	-35.55	3.93	-12.36	30.26
75	11	44	1188.61	662.82	-1210.54	609.38	-1157.10	-311.86	34.10	-39.99	-9.51	3.62	36.46
		485	677.64	852.81	209.86	609.38	453.29	-311.86	33.90	-50.42	-10.50	-6.03	42.10
		484	598.94	646.10	-51.11	141.71	453.29	-311.86	34.72	-42.12	-6.99	-0.41	38.28
		483	997.40	212.71	-1228.10	141.71	-1157.10	-311.86	35.14	-31.90	-6.00	9.24	32.64
76	1	414	477.05	156.81	-4.35	49.51	102.95	-76.02	27.39	-51.96	18.68	-43.25	-24.80
		91	527.08	157.96	-4.35	49.89	103.72	-76.56	34.16	-49.78	17.77	-33.39	-33.27
		120	956.05	163.22	5.20	64.70	103.72	-76.56	-20.53	-145.59	-31.48	-134.64	35.35
		292	1051.90	162.07	5.20	64.32	102.95	-76.02	-15.66	-159.40	-30.57	-144.50	43.82
76	2	414	545.21	194.16	-13.65	58.87	121.65	-99.05	29.74	-60.35	22.33	-52.94	-24.75

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		91	576.75	144.52	-13.67	42.54	88.31	-75.72	35.70	-59.35	20.01	-43.66	-35.28
		120	1061.02	160.26	8.63	80.58	88.31	-75.72	-25.93	-168.59	-37.09	-157.44	38.30
		292	1212.60	209.10	9.46	96.91	121.65	-99.05	-18.66	-182.82	-34.77	-166.71	48.83
76	3	414	619.84	268.26	-43.59	73.72	150.95	-151.07	25.79	-64.15	17.23	-55.59	-26.38
		91	615.97	62.42	-45.08	5.54	11.80	-53.66	40.21	-63.37	18.95	-42.10	-41.84
		120	1398.32	137.97	-11.02	115.15	11.80	-53.66	-59.35	-249.01	-83.38	-224.98	63.09
		292	1745.78	319.08	15.21	183.34	150.95	-151.07	-52.00	-271.55	-85.09	-238.47	78.54
76	4	414	595.08	-11.41	-67.17	-29.21	-49.38	25.99	24.37	-82.63	19.52	-77.78	-22.26
		91	574.41	-11.41	-59.92	-26.82	-44.51	22.58	26.15	-79.21	14.93	-68.00	-32.49
		120	1122.72	25.37	-51.81	18.07	-44.51	22.58	-19.89	-185.85	-32.12	-173.63	43.35
		292	1238.90	24.79	-58.49	15.69	-49.38	25.99	-10.88	-200.05	-27.52	-183.41	53.58
76	5	414	496.71	-7.64	-14.36	-9.91	-12.09	3.18	29.96	-63.47	22.34	-55.85	-25.57
		91	514.10	5.38	-7.64	-3.42	1.16	-6.09	33.86	-62.62	17.90	-46.66	-35.85
		120	923.66	30.46	-0.11	29.19	1.16	-6.09	-19.30	-162.07	-30.00	-151.36	37.60
		292	1045.97	22.99	-12.38	22.70	-12.09	3.18	-10.31	-175.81	-25.57	-160.55	47.88
76	6	414	478.51	72.52	-5.22	20.17	47.13	-36.46	34.21	-52.48	23.76	-42.03	-28.23
		91	533.34	94.81	-5.22	27.50	62.08	-46.93	40.98	-51.31	21.62	-31.95	-37.57
		120	919.22	103.47	8.87	50.25	62.08	-46.93	-18.22	-148.40	-28.69	-137.93	35.41
		292	1002.72	81.54	8.50	42.92	47.13	-36.46	-11.84	-162.72	-26.56	-148.01	44.76
76	7	414	469.22	117.22	-3.66	36.35	77.21	-56.88	28.08	-54.02	19.73	-45.66	-24.82
		91	514.67	126.76	-3.66	39.49	83.62	-61.36	34.68	-51.43	18.95	-35.70	-33.27
		120	944.85	131.72	5.35	53.45	83.62	-61.36	-19.87	-148.24	-30.65	-137.46	35.61
		292	1032.65	122.21	5.32	50.31	77.21	-56.88	-15.19	-162.09	-29.87	-147.41	44.06
76	8	414	490.01	221.43	-36.56	60.76	124.11	-125.04	19.64	-49.87	13.02	-43.25	-20.40
		91	482.60	46.76	-37.95	2.86	5.95	-42.33	31.37	-49.45	14.54	-32.61	-32.82
		120	1113.35	111.28	-11.06	94.27	5.95	-42.33	-48.64	-199.03	-68.21	-179.46	50.60
		292	1401.00	263.97	12.32	152.17	124.11	-125.04	-42.78	-217.05	-69.73	-190.10	63.01
76	9	414	337.52	102.23	-3.20	32.05	66.99	-49.74	19.58	-37.53	13.47	-31.41	-17.66
		91	371.37	103.31	-3.20	32.41	67.71	-50.24	24.39	-35.89	12.85	-24.35	-23.71
		120	678.33	107.26	3.88	43.43	67.71	-50.24	-14.66	-104.70	-22.49	-96.88	25.36
		292	746.44	106.18	3.88	43.07	66.99	-49.74	-11.23	-114.58	-21.88	-103.94	31.41
76	10	414	415.89	164.12	-24.97	45.50	93.65	-91.43	18.69	-44.31	12.66	-38.27	-18.54
		91	421.08	49.99	-25.58	7.77	16.64	-37.52	27.74	-43.43	13.51	-29.20	-28.47
		120	921.94	90.52	-2.41	71.46	16.64	-37.52	-36.31	-162.08	-51.32	-147.07	40.77
		292	1129.05	193.18	9.67	109.20	93.65	-91.43	-31.53	-176.78	-52.17	-156.14	50.70
76	11	414	339.02	55.41	-3.68	15.75	35.97	-27.76	23.36	-37.81	16.29	-30.74	-19.56
		91	375.25	68.23	-3.68	19.97	44.58	-33.78	28.16	-36.73	14.99	-23.55	-26.10
		120	657.93	74.08	5.90	35.40	44.58	-33.78	-13.38	-106.26	-20.94	-98.71	25.40
		292	719.15	61.44	5.72	31.19	35.97	-27.76	-9.11	-116.43	-19.65	-105.89	31.94
77	1	528	1254.00	231.51	24.10	45.39	210.23	-62.94	225.82	114.73	166.46	174.09	55.42
		431	1044.35	341.02	30.06	83.36	287.72	-117.19	139.65	44.18	46.47	137.35	-14.62
		233	832.37	335.03	-2.58	44.73	287.72	-117.19	76.92	-32.22	36.64	8.05	52.66
		290	1653.92	228.13	-11.14	6.76	210.23	-62.94	235.56	-34.14	156.63	44.78	122.71
77	2	528	1257.84	221.86	31.89	52.65	201.10	-59.27	226.71	118.92	172.04	173.59	53.89
		431	1054.57	341.78	37.52	93.94	285.36	-118.25	141.99	47.00	50.32	138.67	-17.46
		233	883.12	334.21	-0.89	47.96	285.36	-118.25	80.15	-37.97	39.45	2.73	56.13
		290	1713.70	217.75	-9.97	6.68	201.10	-59.27	241.06	-42.25	161.16	37.65	127.49
77	3	528	1350.61	138.38	-3.70	-1.23	135.92	18.55	242.64	138.88	184.60	196.92	51.51
		431	1128.62	221.65	30.05	37.25	214.45	-36.42	170.36	42.46	48.29	164.53	-26.68
		233	849.75	219.91	-28.89	-23.44	214.45	-36.42	93.28	-44.57	41.26	7.45	66.82
		290	1827.73	137.64	-63.65	-61.92	135.92	18.55	269.24	-51.83	177.56	39.85	145.02
77	4	528	1767.66	186.66	-10.17	-0.39	176.88	42.78	316.00	137.87	227.06	226.81	89.07
		431	1277.31	374.67	63.43	85.65	352.46	-80.13	182.70	76.50	76.55	182.66	-2.16
		233	1231.85	369.13	-32.65	-15.97	352.46	-80.13	124.70	-64.96	54.09	5.65	91.68
		290	2226.60	183.29	-108.42	-102.01	176.88	42.78	325.82	-71.41	204.61	49.80	182.91
77	5	528	1463.93	255.88	11.77	13.32	254.34	19.34	252.44	127.03	187.06	192.41	62.64
		431	1307.46	493.55	73.22	111.68	455.09	-121.19	166.46	64.35	64.83	165.98	-7.01
		233	1186.43	485.58	-26.59	3.90	455.09	-121.19	129.86	-35.53	61.20	33.12	81.49
		290	1918.04	255.41	-95.54	-94.47	254.34	19.34	284.84	-41.85	183.43	59.56	151.15
77	6	528	1277.93	279.14	25.00	26.36	277.79	-18.48	216.64	120.08	165.22	171.50	48.18
		431	1236.30	494.91	60.68	109.05	446.54	-136.61	149.99	53.22	54.96	148.25	-12.86
		233	1034.72	487.02	-14.50	25.98	446.54	-136.61	112.21	-20.29	57.23	34.69	65.29
		290	1693.00	278.80	-57.73	-56.71	277.79	-18.48	250.40	-24.97	167.49	57.94	126.32
77	7	528	1243.86	201.37	22.25	35.13	188.49	-46.27	225.11	114.52	167.47	172.15	55.25
		431	1012.89	314.97	30.51	75.21	270.27	-103.52	138.25	45.54	47.89	135.90	-14.58
		233	820.07	309.28	-4.48	34.52	270.27	-103.52	77.81	-33.25	38.03	6.53	53.25
		290	1640.76	198.96	-16.02	-5.55	188.49	-46.27	236.01	-35.61	157.61	42.78	123.08
77	8	528	1042.54	104.79	-6.02	-3.09	101.86	17.79	187.08	108.40	142.58	152.90	39.00
		431	877.22	165.23	21.94	25.98	161.18	-23.74	133.20	31.79	36.64	128.35	-21.64
		233	653.29	164.22	-24.67	-21.64	161.18	-23.74	72.33	-35.03	31.58	5.73	52.10
		290	1415.99	103.90	-52.76	-50.71	101.86	17.79	208.74	-40.94	137.52	30.29	112.74
77	9	528	894.53	156.86	16.99	29.76	144.10	-40.28	161.44	81.91	119.29	124.05	39.69

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		431	737.46	236.15	21.79	57.41	200.54	-79.79	99.54	32.17	33.78	97.94	-10.26
		233	591.74	231.91	-2.36	29.02	200.54	-79.79	55.45	-23.24	26.66	5.54	37.90
		290	1178.35	154.68	-9.22	1.36	144.10	-40.28	168.56	-24.73	112.18	31.65	87.86
77	10	528	948.45	103.07	3.60	3.85	102.82	4.99	170.76	95.35	129.37	136.74	37.52
		431	784.02	168.73	22.89	31.79	159.83	-34.92	116.56	31.27	34.79	113.04	-16.96
		233	601.30	166.77	-15.79	-8.85	159.83	-34.92	64.54	-30.10	29.23	5.21	45.77
		290	1274.90	102.99	-36.97	-36.79	102.82	4.99	187.28	-34.56	123.81	28.91	100.26
77	11	528	907.35	183.11	17.70	19.18	181.63	-15.58	156.33	84.88	118.60	122.61	35.67
		431	844.19	321.60	38.85	71.68	288.77	-90.58	105.29	37.20	38.49	104.00	-9.28
		233	704.17	316.32	-8.95	18.60	288.77	-90.58	75.01	-16.56	38.10	20.35	44.92
		290	1199.87	182.75	-35.01	-33.89	181.63	-15.58	176.81	-19.63	118.21	38.96	89.87
78	1	433	1091.98	282.43	-5.55	83.68	193.21	-133.17	152.23	34.70	48.04	138.89	-37.29
		413	1197.78	291.21	-5.54	86.57	199.10	-137.29	163.93	23.68	42.32	145.28	-47.61
		291	477.12	295.35	3.25	99.50	199.10	-137.29	55.63	-5.43	-1.45	51.65	15.09
		119	511.41	286.56	3.25	96.61	193.21	-133.17	57.41	-7.89	4.27	45.25	25.42
78	2	433	1112.47	280.20	-3.98	87.45	188.76	-132.75	156.62	36.36	51.39	141.59	-39.77
		413	1223.58	289.48	-3.98	90.51	194.99	-137.12	169.34	25.46	45.92	148.87	-50.26
		291	460.84	291.73	0.65	97.39	194.99	-137.12	55.34	-4.64	0.29	50.41	16.47
		119	522.41	282.45	0.65	94.34	188.76	-132.75	57.25	-8.36	5.75	43.13	26.96
78	3	433	1059.46	89.90	-4.20	26.40	59.31	-44.08	179.73	40.65	53.73	166.65	-40.60
		413	1145.65	75.91	-4.20	21.79	49.91	-37.50	193.05	31.69	49.90	174.83	-51.66
		291	471.54	77.67	-0.77	26.99	49.91	-37.50	73.41	-6.01	-1.43	68.84	18.51
		119	490.66	91.66	-0.76	31.59	59.31	-44.08	72.60	-9.56	2.40	60.65	28.97
78	4	433	1330.77	255.24	-6.28	74.54	174.42	-120.85	200.22	44.28	63.00	181.49	-50.68
		413	1498.07	285.27	-6.26	84.42	194.58	-134.96	219.30	33.87	59.45	193.72	-63.95
		291	605.73	289.50	2.69	97.61	194.58	-134.96	63.91	-23.40	-10.20	50.71	31.28
		119	691.76	259.46	2.69	87.73	174.42	-120.85	65.84	-34.02	-6.65	38.48	44.54
78	5	433	1291.15	342.38	-10.34	98.88	233.16	-163.08	177.26	35.68	49.60	163.34	-42.14
		413	1418.27	367.04	-10.33	107.00	249.72	-174.67	192.60	31.37	49.32	174.65	-50.71
		291	605.26	373.26	2.76	126.31	249.72	-174.67	73.47	-10.32	-2.84	65.99	23.90
		119	650.95	348.59	2.76	118.19	233.16	-163.08	69.34	-17.22	-2.56	54.68	32.47
78	6	433	1203.99	359.98	-10.61	103.51	245.86	-171.08	158.38	32.85	45.49	145.74	-37.78
		413	1306.25	377.05	-10.60	109.13	257.32	-179.10	170.81	28.63	44.68	154.76	-45.00
		291	612.65	383.75	3.59	130.02	257.32	-179.10	70.16	-1.06	2.77	66.33	16.07
		119	565.81	366.67	3.59	124.40	245.86	-171.08	66.00	-5.12	3.57	57.31	23.29
78	7	433	1059.96	255.93	-5.27	75.52	175.14	-120.73	151.09	35.31	49.02	137.38	-37.41
		413	1166.45	265.84	-5.27	78.78	181.79	-125.38	162.93	24.45	43.47	143.90	-47.67
		291	448.09	269.71	2.99	90.91	181.79	-125.38	54.23	-4.73	-0.48	49.98	15.25
		119	490.36	259.80	2.99	87.65	175.14	-120.73	56.20	-7.66	5.07	43.46	25.52
78	8	433	815.57	58.00	-3.18	16.97	37.85	-28.75	140.19	31.53	41.51	130.21	-31.39
		413	880.00	45.22	-3.18	12.77	29.27	-22.75	150.50	24.78	38.69	136.60	-39.43
		291	368.27	46.45	-0.84	16.34	29.27	-22.75	57.93	-4.74	-1.22	54.41	14.42
		119	381.71	59.22	-0.83	20.54	37.85	-28.75	57.11	-7.49	1.60	48.02	22.46
78	9	433	770.48	193.76	-3.86	57.39	132.52	-91.39	108.42	24.92	34.50	98.84	-26.62
		413	846.03	200.23	-3.86	59.52	136.86	-94.43	116.80	17.11	30.48	103.44	-33.97
		291	332.86	203.08	2.20	68.42	136.86	-94.43	39.43	-3.74	-0.84	36.52	10.82
		119	359.22	196.61	2.20	66.29	132.52	-91.39	40.73	-5.61	3.19	31.93	18.18
78	10	433	751.64	86.80	-3.11	25.57	58.13	-41.90	123.68	28.25	37.66	114.26	-28.46
		413	816.23	80.61	-3.11	23.53	53.97	-38.99	132.95	21.58	34.68	119.85	-35.88
		291	325.95	82.13	-0.02	28.13	53.97	-38.99	49.30	-4.06	-0.83	46.07	12.72
		119	342.26	88.32	-0.02	30.17	58.13	-41.90	49.13	-6.49	2.15	40.49	20.15
78	11	433	832.63	236.85	-6.67	68.41	161.77	-112.46	111.83	23.90	33.08	102.64	-26.89
		413	906.28	247.92	-6.67	72.05	169.20	-117.66	120.60	19.88	31.79	108.70	-32.51
		291	407.66	252.19	2.39	85.38	169.20	-117.66	47.49	-1.31	1.51	44.68	11.37
		119	389.37	241.12	2.39	81.73	161.77	-112.46	45.41	-3.98	2.80	38.63	17.00
79	1	91	446.55	157.87	1.32	45.21	113.98	-70.32	60.05	-4.07	55.30	0.68	-16.80
		90	608.41	201.72	1.42	59.66	143.47	-90.96	82.65	-1.78	74.70	6.18	-24.67
		230	894.55	209.63	18.40	84.55	143.47	-90.96	-41.81	-138.17	-43.86	-136.11	13.91
		120	904.82	165.71	18.38	70.10	113.98	-70.32	-57.61	-147.26	-63.25	-141.61	21.78
79	2	91	488.59	140.69	-6.71	40.89	93.08	-68.93	68.11	-7.03	64.60	-3.52	-15.86
		90	641.17	143.55	-6.71	41.83	95.00	-70.27	88.76	-11.20	79.64	-2.08	-28.78
		230	970.97	176.81	34.64	116.45	95.00	-70.27	-53.73	-165.44	-54.95	-164.22	11.58
		120	1013.05	174.13	34.46	115.51	93.08	-68.93	-64.08	-171.58	-69.99	-165.66	24.51
79	3	91	535.47	57.27	-44.02	19.93	-6.68	-48.87	86.63	13.57	83.92	16.29	-13.82
		90	709.43	-21.41	-98.81	-23.96	-96.25	13.84	116.91	-0.29	103.46	13.16	-37.35
		230	1389.98	192.20	-96.92	191.54	-96.25	13.84	-111.73	-245.08	-113.74	-243.07	16.24
		120	1374.61	244.92	-16.17	235.43	-6.68	-48.87	-120.08	-253.14	-133.28	-239.95	39.77
79	4	91	488.52	-11.59	-63.77	-29.57	-45.78	24.80	61.76	-28.06	59.70	-26.00	-13.45
		90	579.68	-11.57	-36.52	-20.61	-27.49	11.99	74.75	-31.68	67.07	-24.00	-27.54
		230	1016.69	56.79	-29.19	55.09	-27.49	11.99	-43.24	-178.94	-47.14	-175.04	22.67
		120	1084.40	52.39	-52.05	46.12	-45.78	24.80	-44.32	-187.22	-54.50	-177.03	36.76
79	5	91	436.95	5.59	-9.75	-9.30	5.14	-2.60	65.07	-11.07	61.09	-7.09	-16.95

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		90	549.52	44.46	-7.67	4.17	32.63	-21.84	81.85	-13.80	72.03	-3.97	-29.04
		230	858.42	70.53	20.05	57.94	32.63	-21.84	-39.76	-154.10	-42.53	-151.32	17.59
		120	873.69	44.65	4.97	44.48	5.14	-2.60	-45.39	-162.52	-53.47	-154.44	29.69
79	6	91	452.90	93.97	-3.98	23.05	66.94	-43.78	67.69	-1.86	61.54	4.30	-19.75
		90	613.25	138.89	-3.88	37.85	97.16	-64.93	89.32	-0.78	78.83	9.71	-28.90
		230	852.86	150.50	18.12	71.47	97.16	-64.93	-37.98	-139.41	-40.09	-137.30	14.50
		120	863.86	105.88	17.72	56.66	66.94	-43.78	-51.27	-148.82	-57.38	-142.71	23.64
79	7	91	441.21	126.12	-2.04	37.10	86.98	-59.03	61.15	-5.79	56.70	-1.34	-16.66
		90	591.95	156.01	-2.02	46.94	107.05	-73.08	83.23	-4.08	75.37	3.78	-24.98
		230	871.73	163.29	12.11	68.35	107.05	-73.08	-41.42	-141.22	-43.39	-139.25	13.86
		120	891.24	133.47	12.03	58.52	86.98	-59.03	-56.46	-149.97	-62.06	-144.37	22.18
79	8	91	420.64	43.13	-37.76	15.26	-9.88	-38.44	68.49	12.04	66.49	14.05	-10.44
		90	565.72	-18.98	-90.57	-22.53	-87.01	15.55	92.48	0.23	81.68	11.04	-29.66
		230	1121.46	158.61	-88.00	157.62	-87.01	15.55	-91.41	-196.18	-92.95	-194.65	12.60
		120	1098.89	202.38	-16.84	195.42	-9.88	-38.44	-97.40	-202.37	-108.14	-191.63	31.81
79	9	91	314.78	103.06	0.19	29.46	73.80	-46.41	43.09	-3.16	39.80	0.12	-11.88
		90	427.81	131.07	0.25	38.69	92.63	-59.59	59.08	-1.73	53.43	3.92	-17.66
		230	632.00	137.06	12.71	57.14	92.63	-59.59	-29.93	-99.49	-31.39	-98.02	9.98
		120	641.75	109.04	12.68	47.92	73.80	-46.41	-40.94	-105.90	-45.01	-101.82	15.76
79	10	91	364.05	45.85	-23.68	15.41	6.76	-34.49	57.83	6.66	55.70	8.79	-10.23
		90	481.28	-7.71	-40.61	-7.77	-40.55	-1.37	78.09	-0.88	69.41	7.80	-24.70
		230	881.20	116.59	-40.56	116.58	-40.55	-1.37	-68.78	-158.88	-70.21	-157.45	11.28
		120	898.16	148.18	-1.65	139.76	6.76	-34.49	-75.70	-164.67	-83.92	-156.45	25.75
79	11	91	318.87	67.56	-2.75	17.14	47.66	-31.67	47.31	-1.92	43.27	2.13	-13.52
		90	430.86	96.17	-2.70	26.57	66.90	-45.13	62.76	-1.15	55.72	5.88	-20.00
		230	608.95	104.31	12.46	49.87	66.90	-45.13	-27.80	-100.18	-29.30	-98.68	10.31
		120	618.99	75.93	12.18	40.45	47.66	-31.67	-37.42	-106.77	-41.75	-102.43	16.79
80	1	90	600.45	196.97	-8.18	53.39	135.40	-94.02	102.42	39.35	102.42	39.36	0.59
		528	590.85	198.22	-8.18	53.80	136.24	-94.61	79.89	69.47	72.14	77.23	-4.54
		290	1246.04	217.09	25.53	106.39	136.24	-94.61	158.32	-47.95	106.44	3.92	89.49
		230	1476.92	215.85	25.52	105.97	135.40	-94.02	178.81	-76.03	136.73	-33.95	94.62
80	2	90	630.45	153.52	8.66	42.92	119.26	-61.55	111.31	31.24	111.25	31.30	-2.15
		528	624.36	196.33	9.02	57.12	148.23	-81.83	87.13	77.71	85.72	79.12	-3.36
		290	1425.91	202.77	25.46	80.00	148.23	-81.83	183.52	-56.75	124.05	2.71	103.69
		230	1612.55	159.64	25.43	65.80	119.26	-61.55	195.35	-90.87	149.58	-45.10	104.90
80	3	90	757.69	59.73	-47.84	3.76	8.13	53.74	139.16	40.05	138.66	40.56	-7.06
		528	846.48	84.01	40.93	40.94	84.00	0.63	139.08	121.48	137.91	122.65	4.38
		290	1908.76	84.01	8.17	8.17	84.00	0.63	268.20	-79.63	171.97	16.60	155.60
		230	2020.49	46.42	-67.30	-29.01	8.13	53.74	240.61	-133.38	172.71	-65.49	144.16
80	4	90	646.13	13.73	-50.40	-35.78	-0.88	26.90	114.40	30.43	113.77	31.06	7.26
		528	426.16	54.34	-11.31	-9.57	52.60	-10.54	72.25	53.33	55.97	69.61	-6.55
		290	1372.63	90.47	49.67	87.53	52.60	-10.54	172.52	-83.48	110.37	-21.33	109.76
		230	1852.51	71.34	-10.91	61.32	-0.88	26.90	222.29	-113.99	168.17	-59.88	123.57
80	5	90	610.08	58.48	-15.12	-14.24	57.60	-8.00	110.81	39.41	110.79	39.43	1.21
		528	555.08	128.05	-5.75	11.72	110.58	-45.08	84.04	69.75	73.58	80.20	-6.33
		290	1286.88	147.53	55.58	92.53	110.58	-45.08	169.89	-59.19	112.39	-1.70	99.32
		230	1536.66	71.26	52.92	66.57	57.60	-8.00	197.23	-90.11	149.59	-42.47	106.86
80	6	90	602.01	137.06	-5.19	24.66	107.20	-57.93	109.08	43.41	108.98	43.51	-2.61
		528	636.78	184.28	-4.54	40.41	139.33	-80.42	90.75	77.81	83.80	84.76	-6.46
		290	1252.46	205.88	42.15	108.70	139.33	-80.42	166.12	-44.48	113.45	8.20	91.20
		230	1431.35	158.44	41.72	92.96	107.20	-57.93	180.85	-75.28	138.62	-33.05	95.05
80	7	90	586.20	152.53	-5.00	40.97	106.56	-71.61	103.61	37.10	103.61	37.10	0.42
		528	561.95	165.11	-4.98	45.11	115.02	-77.53	79.14	69.92	73.55	75.51	-4.50
		290	1235.18	182.47	25.91	93.36	115.02	-77.53	159.78	-49.58	108.12	2.07	90.26
		230	1460.18	170.02	25.76	89.21	106.56	-71.61	180.05	-78.21	138.18	-36.34	95.18
80	8	90	600.37	50.08	-47.85	1.46	0.76	48.96	109.47	30.98	109.00	31.46	-6.11
		528	676.39	64.30	31.42	32.21	63.51	5.04	111.79	96.73	110.69	97.83	3.91
		290	1517.69	63.92	0.58	0.98	63.51	5.04	213.99	-63.42	136.73	13.84	124.35
		230	1604.30	36.79	-65.79	-29.77	0.76	48.96	189.13	-106.62	135.03	-52.53	114.33
80	9	90	424.10	128.26	-4.86	34.34	89.07	-60.67	73.52	27.67	73.52	27.68	0.48
		528	414.83	132.41	-4.85	35.70	91.86	-62.63	56.94	50.25	52.17	55.02	-3.03
		290	889.45	145.26	18.41	71.82	91.86	-62.63	113.96	-34.63	76.69	2.64	64.41
		230	1051.07	141.14	18.37	70.45	89.07	-60.67	128.20	-54.86	98.04	-24.70	67.91
80	10	90	502.77	34.75	-9.62	6.77	18.36	21.42	93.87	28.13	93.65	28.35	-3.77
		528	552.78	65.40	26.00	28.56	62.84	-9.71	89.13	79.83	88.71	80.25	1.93
		290	1257.30	64.82	15.27	17.25	62.84	-9.71	174.98	-52.20	113.10	9.68	101.13
		230	1332.02	31.20	-17.38	-4.54	18.36	21.42	162.52	-86.71	118.04	-42.22	95.43
80	11	90	425.41	94.95	-3.17	18.38	73.40	-40.62	77.20	29.95	77.16	29.99	-1.30
		528	440.65	124.66	-2.82	28.26	93.57	-54.74	63.02	54.83	58.65	59.20	-4.09
		290	893.13	139.03	27.65	73.10	93.57	-54.74	118.29	-32.70	80.58	5.01	65.36
		230	1025.89	109.25	27.37	63.22	73.40	-40.62	129.34	-54.45	99.10	-24.20	68.15
81	1	221	821.25	210.57	4.10	59.72	154.95	-91.60	-36.48	-121.95	-37.81	-120.62	10.56

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		432	886.03	240.43	4.21	69.58	175.07	-105.68	-36.97	-125.89	-42.68	-120.18	21.80
		433	416.17	240.62	4.69	70.25	175.07	-105.68	46.80	-10.81	44.87	-8.89	-10.35
		431	499.77	210.75	4.59	60.39	154.95	-91.60	56.79	-16.38	49.75	-9.33	-21.59
81	2	221	846.88	222.19	6.34	68.91	159.62	-97.93	-35.41	-125.50	-36.52	-124.39	9.93
		432	918.50	258.02	6.40	80.71	183.71	-114.79	-35.95	-129.41	-41.15	-124.20	21.44
		433	459.61	257.19	4.37	77.85	183.71	-114.79	49.94	-13.10	47.24	-10.41	-12.75
		431	541.55	221.37	4.30	66.05	159.62	-97.93	60.19	-18.92	51.88	-10.60	-24.27
81	3	221	874.61	44.16	20.71	30.94	33.94	-11.63	-38.57	-156.13	-41.94	-152.75	19.64
		432	953.84	83.09	20.89	43.80	60.18	-30.00	-29.10	-160.64	-38.87	-150.87	34.51
		433	446.73	75.24	0.43	15.49	60.18	-30.00	43.46	-36.24	42.78	-35.56	-7.35
		431	477.24	37.78	-1.22	2.63	33.94	-11.63	45.65	-43.39	39.71	-37.45	-22.22
81	4	221	1040.11	128.83	8.63	33.38	104.09	-48.60	-66.89	-177.53	-69.71	-174.71	17.44
		432	1161.39	208.52	9.57	59.89	158.20	-86.48	-88.38	-188.89	-96.94	-180.33	28.05
		433	507.68	207.65	6.95	56.40	158.20	-86.48	71.11	5.58	66.90	9.80	-16.08
		431	637.27	128.13	5.84	29.88	104.09	-48.60	102.33	7.22	94.13	15.42	-26.70
81	5	221	899.52	196.61	13.80	52.79	157.62	-74.89	-47.53	-139.09	-49.09	-137.54	11.85
		432	1007.74	279.12	14.78	80.25	213.65	-114.11	-53.54	-144.52	-60.15	-137.92	23.61
		433	457.12	277.40	9.41	73.17	213.65	-114.11	54.84	-3.24	52.84	-1.24	-10.59
		431	522.40	195.15	8.18	45.71	157.62	-74.89	70.85	-7.82	63.89	-0.85	-22.34
81	6	221	843.75	223.56	12.12	59.57	176.12	-88.20	-36.76	-123.20	-37.88	-122.09	9.76
		432	936.48	291.10	12.83	82.01	221.92	-120.27	-36.23	-126.10	-41.74	-120.59	21.55
		433	435.70	290.08	9.68	77.83	221.92	-120.27	46.90	-11.80	45.63	-10.53	-8.54
		431	480.41	222.63	8.87	55.38	176.12	-88.20	55.60	-18.13	49.49	-12.02	-20.32
81	7	221	808.69	182.15	4.12	50.52	135.76	-78.15	-35.36	-123.60	-36.60	-122.36	10.39
		432	872.11	214.59	4.28	61.24	157.63	-93.46	-35.87	-127.32	-41.34	-121.86	21.67
		433	405.58	214.77	4.75	61.89	157.63	-93.46	47.86	-12.63	46.00	-10.77	-10.44
		431	487.10	182.32	4.60	51.17	135.76	-78.15	57.59	-18.13	50.73	-11.27	-21.73
81	8	221	676.30	26.02	16.17	22.72	19.47	-4.65	-29.81	-122.09	-32.57	-119.33	15.71
		432	738.33	55.27	17.02	32.62	39.67	-18.79	-21.55	-125.53	-29.39	-117.69	27.45
		433	348.25	48.55	-0.11	8.77	39.67	-18.79	32.89	-29.70	32.42	-29.23	-5.41
		431	371.74	20.47	-2.13	-1.13	19.47	-4.65	33.79	-35.42	29.24	-30.87	-17.16
81	9	221	583.44	142.54	3.11	40.44	105.21	-61.74	-25.86	-87.64	-26.82	-86.68	7.65
		432	629.61	164.64	3.19	47.73	120.10	-72.16	-26.38	-90.49	-30.45	-86.43	15.62
		433	293.30	164.68	3.30	47.88	120.10	-72.16	33.61	-8.12	32.27	-6.78	-7.35
		431	352.49	142.58	3.22	40.59	105.21	-61.74	40.81	-11.95	35.90	-7.04	-15.33
81	10	221	613.08	49.80	12.63	24.45	37.99	-17.31	-27.04	-106.61	-29.12	-104.53	12.70
		432	667.11	77.06	12.63	33.41	56.28	-30.11	-22.02	-109.79	-28.33	-103.47	22.69
		433	307.72	72.70	1.04	17.46	56.28	-30.11	31.72	-22.21	31.11	-21.60	-5.69
		431	328.90	45.98	0.50	8.50	37.99	-17.31	34.62	-26.95	30.33	-22.66	-15.67
81	11	221	596.01	149.73	7.60	40.35	116.97	-59.85	-26.01	-88.34	-26.86	-87.49	7.21
		432	657.64	192.77	8.00	54.64	146.14	-80.26	-25.97	-90.61	-29.93	-86.66	15.49
		433	301.31	192.14	6.09	52.10	146.14	-80.26	33.67	-8.67	32.69	-7.70	-6.35
		431	341.71	149.15	5.63	37.81	116.97	-59.85	40.15	-12.92	35.76	-8.53	-14.62
82	1	56	1150.24	493.65	-1314.28	428.99	-1249.63	-335.73	26.18	-31.37	-7.42	2.23	28.37
		490	638.84	732.71	57.88	428.99	361.60	-335.73	26.38	-50.21	-16.04	-7.80	38.07
		489	588.08	614.54	-84.02	168.92	361.60	-335.73	27.89	-41.46	-10.58	-2.99	34.47
		488	1044.95	244.36	-1325.07	168.92	-1249.63	-335.73	27.70	-22.63	-1.96	7.03	24.76
82	2	56	1174.85	442.44	-1352.29	374.75	-1284.60	-341.90	31.12	-37.36	-11.42	5.18	33.22
		490	663.20	712.41	28.56	374.75	366.22	-341.90	31.85	-57.48	-17.10	-8.53	44.46
		489	615.91	617.86	-98.32	153.32	366.22	-341.90	32.63	-46.24	-10.76	-2.86	39.23
		488	1083.68	230.47	-1361.75	153.32	-1284.60	-341.90	31.99	-26.21	-5.08	10.85	27.99
82	3	56	1168.10	446.74	-1341.68	379.46	-1274.39	-340.31	31.96	-38.27	-10.32	4.01	34.37
		490	662.60	708.73	27.74	379.46	357.02	-340.31	32.23	-57.78	-17.25	-8.29	44.78
		489	617.36	613.38	-94.73	161.64	357.02	-340.31	32.70	-48.02	-11.48	-3.84	40.18
		488	1077.50	238.20	-1350.95	161.64	-1274.39	-340.31	32.44	-28.52	-4.54	8.46	29.77
82	4	56	1187.90	448.08	-1335.90	380.98	-1268.79	-339.42	41.83	-40.32	10.20	-8.70	-39.97
		490	572.50	708.34	29.05	380.98	356.41	-339.42	23.68	-32.82	-3.31	-5.83	-28.22
		489	561.66	612.01	-94.33	161.27	356.41	-339.42	33.12	-19.92	4.36	8.84	-26.42
		488	1079.15	237.74	-1345.26	161.27	-1268.79	-339.42	50.56	-26.71	17.88	5.97	-38.17
82	5	56	1199.66	324.32	-1588.00	239.34	-1503.02	-394.07	9.39	-15.08	-11.64	5.95	-8.51
		490	579.04	739.47	-71.16	239.34	428.96	-394.07	1.19	-22.72	-11.04	-10.49	11.95
		489	535.84	693.10	-158.96	105.17	428.96	-394.07	10.89	-1.56	1.46	7.87	5.33
		488	1167.65	196.54	-1594.39	105.17	-1503.02	-394.07	31.73	-6.56	0.86	24.31	-15.13
82	6	56	1277.11	633.09	-1502.73	558.63	-1428.27	-391.77	6.31	-13.77	1.41	-8.87	8.62
		490	675.33	923.97	138.52	558.63	503.86	-391.77	9.60	-33.89	-15.01	-9.29	21.56
		489	633.62	753.98	-109.76	140.37	503.86	-391.77	16.27	-28.24	-7.88	-4.09	22.18
		488	1103.93	232.77	-1520.67	140.37	-1428.27	-391.77	13.51	-8.64	8.54	-3.67	9.24
82	7	56	1123.63	470.57	-1295.58	406.75	-1231.76	-329.61	24.19	-28.93	-7.39	2.65	26.09
		490	617.05	708.70	46.94	406.75	348.90	-329.61	24.54	-47.56	-15.39	-7.63	35.84
		489	568.08	599.93	-83.89	167.14	348.90	-329.61	26.30	-38.35	-9.83	-2.22	32.10
		488	1027.47	240.91	-1305.53	167.14	-1231.76	-329.61	26.00	-19.77	-1.83	8.06	22.35
82	8	56	896.87	343.47	-1031.46	291.86	-979.84	-261.35	24.46	-29.27	-7.67	2.86	26.35

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		490	507.58	544.26	21.24	291.86	273.64	-261.35	24.62	-43.96	-13.12	-6.22	34.12
		489	473.50	471.23	-72.05	125.54	273.64	-261.35	25.01	-36.74	-8.81	-2.92	30.74
		488	827.91	184.21	-1038.52	125.54	-979.84	-261.35	24.85	-22.06	-3.36	6.16	22.97
82	9	56	817.55	342.61	-935.66	296.41	-889.47	-238.57	19.09	-22.85	-5.80	2.04	20.60
		490	455.56	516.04	37.27	296.41	256.90	-238.57	19.30	-36.62	-11.61	-5.71	27.81
		489	419.88	435.51	-61.74	116.88	256.90	-238.57	20.31	-29.94	-7.55	-2.09	24.98
		488	744.74	170.57	-943.16	116.88	-889.47	-238.57	20.12	-16.19	-1.74	5.67	17.77
82	10	56	827.50	316.55	-950.89	268.89	-903.23	-241.11	22.32	-26.69	-7.41	3.03	23.94
		490	468.90	502.84	20.40	268.89	254.35	-241.11	22.56	-40.83	-12.28	-5.99	31.53
		489	436.15	434.87	-67.69	112.83	254.35	-241.11	22.98	-33.59	-8.05	-2.56	28.15
		488	762.81	167.15	-957.54	112.83	-903.23	-241.11	22.76	-19.47	-3.18	6.46	20.56
82	11	56	876.95	420.07	-1040.35	368.44	-988.72	-269.70	7.26	-12.28	-10.90	-4.12	9.64
		490	474.88	622.37	81.99	368.44	335.93	-269.70	9.98	-27.55	-11.87	-6.54	18.63
		489	444.21	512.64	-75.69	101.02	335.93	-269.70	13.85	-22.60	-6.05	-2.70	18.15
		488	773.91	164.11	-1051.81	101.02	-988.72	-269.70	11.32	-7.50	4.09	-0.28	9.15
83	1	68	866.44	223.05	-1130.60	156.88	-1064.43	-291.87	13.94	-13.04	0.17	0.73	13.49
		494	471.80	566.63	-51.02	156.88	358.72	-291.87	9.93	-26.20	-11.87	-4.39	17.68
		493	466.93	534.64	-125.53	50.38	358.72	-291.87	11.15	-22.18	-9.43	-1.60	16.20
		492	831.19	122.17	-1136.23	50.38	-1064.43	-291.87	15.09	-8.95	2.61	3.52	12.01
83	2	68	889.91	198.48	-1154.64	130.70	-1086.86	-295.15	15.99	-15.89	-3.95	4.05	15.43
		494	492.56	568.45	-68.30	130.70	369.44	-295.15	12.48	-30.50	-13.09	-4.93	21.10
		493	479.73	541.68	-136.33	35.91	369.44	-295.15	13.90	-23.30	-9.62	0.21	17.94
		492	859.44	108.77	-1159.72	35.91	-1086.86	-295.15	17.54	-8.83	-0.48	9.19	12.27
83	3	68	927.84	173.37	-1192.42	102.64	-1121.69	-302.66	20.08	-21.22	-8.96	7.81	18.87
		494	525.48	569.43	-93.60	102.64	373.19	-302.66	16.92	-36.98	-14.29	-5.76	26.61
		493	501.68	550.08	-144.66	32.23	373.19	-302.66	18.13	-26.12	-9.52	1.54	21.42
		492	904.53	106.79	-1196.25	32.23	-1121.69	-302.66	22.20	-11.27	-4.18	15.11	13.68
83	4	68	1529.31	173.82	-1190.84	102.68	-1119.70	-303.34	170.93	-137.84	151.78	-118.70	-74.46
		494	987.89	568.54	-94.84	102.68	371.02	-303.34	150.69	-110.77	21.99	17.93	-130.72
		493	682.32	549.32	-145.08	33.22	371.02	-303.34	38.72	-105.54	-14.72	-52.11	-69.67
		492	1500.40	108.16	-1194.64	33.22	-1119.70	-303.34	115.66	-189.32	115.07	-188.73	-13.41
83	5	68	1477.62	132.20	-1350.35	52.19	-1270.34	-334.99	137.69	-111.07	123.25	-96.63	-58.17
		494	915.26	632.80	-141.08	52.19	439.53	-334.99	116.85	-89.97	13.17	13.71	-103.41
		493	670.49	617.78	-190.03	-11.78	439.53	-334.99	26.68	-83.85	-16.15	-41.02	-53.85
		492	1451.91	71.83	-1353.95	-11.78	-1270.34	-334.99	94.23	-151.66	93.92	-151.36	-8.62
83	6	68	1245.84	375.17	-1197.34	308.57	-1130.74	-316.69	75.02	-60.92	72.55	-58.45	-18.15
		494	606.30	672.48	32.97	308.57	396.89	-316.69	43.60	-37.24	1.93	4.43	-40.40
		493	457.41	592.98	-114.58	81.51	396.89	-316.69	-6.67	-34.52	-13.16	-28.03	-11.78
		492	1158.94	159.26	-1208.48	81.51	-1130.74	-316.69	58.20	-91.65	57.46	-90.92	10.47
83	7	68	838.70	203.02	-1128.33	136.52	-1061.83	-290.01	11.90	-10.02	3.95	-2.07	10.54
		494	449.22	555.91	-64.02	136.52	355.37	-290.01	6.25	-20.79	-10.84	-3.70	13.04
		493	453.15	529.23	-128.39	45.47	355.37	-290.01	7.50	-19.57	-9.45	-2.62	13.10
		492	810.11	116.82	-1133.19	45.47	-1061.83	-290.01	13.23	-8.88	5.34	-0.99	10.60
83	8	68	716.42	132.37	-916.28	78.05	-861.96	-232.41	16.06	-17.17	-7.78	6.67	14.96
		494	407.34	438.01	-72.01	78.05	287.95	-232.41	13.73	-29.27	-11.06	-4.49	21.24
		493	387.20	423.38	-110.90	24.53	287.95	-232.41	14.71	-20.26	-7.16	1.61	16.93
		492	698.77	81.76	-919.19	24.53	-861.96	-232.41	17.95	-9.07	-3.88	12.77	10.64
83	9	68	616.09	152.86	-809.62	105.44	-762.21	-208.29	9.77	-8.98	0.46	0.32	9.38
		494	334.78	401.64	-41.03	105.44	255.17	-208.29	6.70	-18.34	-8.52	-3.12	12.22
		493	332.09	380.33	-91.45	33.71	255.17	-208.29	7.56	-15.68	-6.86	-1.26	11.27
		492	592.61	84.93	-813.43	33.71	-762.21	-208.29	10.58	-6.28	2.12	2.19	8.43
83	10	68	650.24	125.26	-843.97	75.31	-794.02	-214.29	12.96	-13.31	-4.61	4.26	12.37
		494	364.65	403.23	-64.72	75.31	263.20	-214.29	10.57	-24.32	-9.86	-3.88	17.19
		493	351.36	388.91	-102.08	23.63	263.20	-214.29	11.43	-17.86	-6.92	0.49	14.17
		492	633.33	76.38	-846.77	23.63	-794.02	-214.29	14.16	-7.19	-1.66	8.63	9.35
83	11	68	819.24	237.30	-846.64	189.71	-799.05	-222.08	41.58	-33.46	40.67	-32.56	-8.20
		494	386.63	459.31	6.77	189.71	276.37	-222.08	20.55	-19.62	-0.85	1.78	-20.04
		493	312.54	412.72	-85.34	51.01	276.37	-222.08	-6.91	-17.96	-8.93	-15.94	-4.27
		492	767.38	105.53	-853.57	51.01	-799.05	-222.08	33.27	-50.97	32.59	-50.28	7.57
84	1	80	1278.19	-152.64	-1848.76	-233.24	-1768.17	-360.85	33.17	-5.33	-4.74	32.58	4.72
		498	643.45	612.28	-387.24	-233.24	458.28	-360.85	21.36	-31.30	-14.67	4.73	24.48
		497	600.57	638.98	-262.31	-81.61	458.28	-360.85	4.03	-24.29	-6.90	-13.36	13.78
		496	1249.53	-7.65	-1842.13	-81.61	-1768.17	-360.85	17.04	0.48	3.03	14.49	-5.97
84	2	80	1277.40	-147.31	-1848.16	-227.25	-1768.22	-359.97	32.60	-5.52	-5.16	32.24	3.71
		498	635.04	616.07	-380.90	-227.25	462.42	-359.97	19.71	-30.14	-15.34	4.92	22.77
		497	594.29	641.09	-262.83	-84.16	462.42	-359.97	2.36	-22.68	-7.84	-12.48	12.31
		496	1249.07	-10.45	-1841.94	-84.16	-1768.22	-359.97	17.79	-0.61	2.35	14.84	-6.76
84	3	80	1288.10	-155.39	-1871.65	-236.18	-1790.86	-363.48	31.87	-5.62	-5.39	31.64	2.92
		498	638.40	626.52	-389.32	-236.18	473.37	-363.48	18.16	-29.19	-15.96	4.94	21.25
		497	596.47	651.37	-268.87	-90.88	473.37	-363.48	1.04	-21.23	-8.71	-11.48	11.05
		496	1263.48	-16.42	-1865.32	-90.88	-1790.86	-363.48	18.42	-1.34	1.86	15.22	-7.28
84	4	80	1293.63	-157.12	-1874.91	-238.41	-1793.62	-364.74	56.76	-41.31	12.36	3.09	48.81

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		498	851.87	626.70	-392.19	-238.41	472.92	-364.74	62.93	-67.09	6.26	-10.42	64.47
		497	824.13	651.65	-271.42	-92.69	472.92	-364.74	54.98	-70.06	12.12	-27.21	59.35
		496	1271.25	-17.77	-1868.53	-92.69	-1793.62	-364.74	48.78	-44.25	18.23	-13.70	43.69
84	5	80	1339.36	-82.66	-1897.74	-160.97	-1819.42	-368.80	51.29	-32.34	6.70	12.25	41.72
		498	818.45	668.69	-324.91	-160.97	504.76	-368.80	56.89	-63.66	-0.23	-6.55	60.19
		497	807.22	681.52	-264.73	-87.97	504.76	-368.80	45.77	-65.17	6.72	-26.12	52.98
		496	1289.34	-12.69	-1894.70	-87.97	-1819.42	-368.80	39.23	-32.91	13.64	-7.33	34.52
84	6	80	1329.43	-29.57	-1838.93	-107.74	-1760.76	-367.86	47.88	-20.79	3.59	23.51	32.86
		498	765.61	646.43	-287.17	-107.74	467.00	-367.86	52.08	-58.93	-4.87	-1.98	55.49
		497	747.77	659.68	-235.30	-42.61	467.00	-367.86	38.10	-57.16	3.99	-23.04	45.67
		496	1267.48	32.83	-1836.21	-42.61	-1760.76	-367.86	31.02	-16.13	12.44	2.44	23.04
84	7	80	1270.83	-166.72	-1855.11	-247.81	-1774.02	-361.02	30.36	-4.68	-3.75	29.43	5.63
		498	647.35	610.79	-399.61	-247.81	458.99	-361.02	20.29	-30.26	-13.77	3.80	23.70
		497	601.71	638.69	-266.31	-86.60	458.99	-361.02	4.56	-23.88	-6.66	-12.66	13.90
		496	1250.22	-12.61	-1848.01	-86.60	-1774.02	-361.02	14.52	1.81	3.36	12.96	-4.16
84	8	80	989.88	-120.35	-1438.12	-182.32	-1376.15	-278.97	24.73	-4.45	-4.32	24.61	1.91
		498	489.76	481.96	-299.48	-182.32	364.81	-278.97	13.88	-22.24	-12.33	3.97	16.12
		497	457.24	501.06	-206.40	-70.15	364.81	-278.97	0.63	-15.93	-6.69	-8.62	8.22
		496	971.12	-13.05	-1433.24	-70.15	-1376.15	-278.97	14.69	-1.36	1.31	12.02	-5.98
84	9	80	909.45	-108.92	-1317.60	-166.30	-1260.22	-257.02	23.08	-3.66	-3.18	22.60	3.54
		498	457.94	436.08	-275.96	-166.30	326.42	-257.02	14.89	-22.18	-10.44	3.16	17.24
		497	427.57	454.96	-187.50	-58.96	326.42	-257.02	2.80	-17.27	-5.06	-9.41	9.79
		496	889.98	-6.28	-1312.90	-58.96	-1260.22	-257.02	11.64	0.59	2.20	10.03	-3.91
84	10	80	914.95	-110.45	-1330.31	-167.93	-1272.83	-258.48	22.33	-3.79	-3.54	22.08	2.54
		498	455.13	443.99	-277.12	-167.93	334.80	-258.48	13.11	-20.99	-11.16	3.28	15.45
		497	425.28	461.84	-191.14	-64.11	334.80	-258.48	1.14	-15.57	-6.06	-8.37	8.27
		496	897.72	-11.15	-1325.78	-64.11	-1272.83	-258.48	12.41	-0.42	1.56	10.43	-4.63
84	11	80	937.10	-40.57	-1312.11	-96.58	-1256.10	-260.92	30.30	-11.30	1.45	17.56	19.17
		498	524.83	454.74	-220.06	-96.58	331.26	-260.92	31.76	-37.32	-5.00	-0.57	34.47
		497	509.05	466.41	-172.45	-37.29	331.26	-260.92	21.72	-35.52	0.99	-14.79	27.51
		496	899.08	16.21	-1309.61	-37.29	-1256.10	-260.92	17.77	-7.00	7.43	3.34	12.21
85	1	225	9796.49	37.22	-1594.68	-1586.03	28.57	118.48	21.02	-30.88	-24.85	14.99	-16.63
		228	9339.59	66.95	-1575.53	-1569.96	61.37	95.52	26.37	-18.68	-15.50	23.19	-11.54
		898	1.189e+04	66.41	-1750.49	-1745.45	61.37	95.52	55.81	-13.00	-11.88	54.69	-8.71
		897	1.213e+04	36.38	-1769.34	-1761.53	28.57	118.48	49.20	-23.93	-21.23	46.49	-13.80
85	2	225	9655.20	36.53	-1568.53	-1560.07	28.06	116.24	21.02	-30.30	-24.41	15.12	-16.36
		228	9183.39	66.21	-1549.43	-1544.02	60.81	93.32	26.57	-17.84	-14.74	23.47	-11.31
		898	1.180e+04	65.66	-1732.34	-1727.48	60.81	93.32	56.00	-12.42	-11.39	54.97	-8.35
		897	1.205e+04	35.66	-1751.12	-1743.53	28.06	116.24	49.18	-23.61	-21.05	46.63	-13.40
85	3	225	9533.48	36.15	-1542.58	-1534.14	27.72	115.11	20.98	-30.09	-24.21	15.10	-16.30
		228	9062.46	65.15	-1523.88	-1518.46	59.72	92.71	26.50	-17.64	-14.57	23.43	-11.24
		898	1.171e+04	64.57	-1713.26	-1708.41	59.72	92.71	55.95	-12.21	-11.18	54.93	-8.30
		897	1.196e+04	35.25	-1731.62	-1724.09	27.72	115.11	49.15	-23.37	-20.82	46.60	-13.36
85	4	225	9446.29	35.63	-1520.04	-1511.79	27.39	112.93	20.99	-30.04	-24.18	15.12	-16.28
		228	8974.61	66.03	-1500.50	-1495.37	60.90	89.47	26.54	-17.56	-14.49	23.47	-11.22
		898	1.168e+04	65.44	-1704.03	-1699.49	60.90	89.47	55.99	-12.16	-11.14	54.97	-8.26
		897	1.193e+04	34.67	-1723.20	-1715.92	27.39	112.93	49.15	-23.37	-20.83	46.62	-13.31
85	5	225	1.063e+04	38.05	-1764.53	-1755.46	28.98	127.55	21.71	-32.33	-26.32	15.69	-17.00
		228	1.012e+04	82.94	-1736.14	-1731.36	78.16	93.12	28.02	-18.99	-15.54	24.58	-12.25
		898	1.308e+04	82.35	-1993.09	-1988.91	78.16	93.12	57.25	-14.34	-13.27	56.18	-8.70
		897	1.338e+04	36.92	-2020.94	-2013.01	28.98	127.55	49.75	-26.50	-24.05	47.30	-13.44
85	6	225	9722.03	36.75	-1576.18	-1567.68	28.25	116.78	20.99	-30.82	-24.82	14.99	-16.58
		228	9265.95	67.27	-1556.56	-1551.19	61.90	93.23	26.35	-18.61	-15.46	23.19	-11.49
		898	1.185e+04	66.72	-1740.15	-1735.33	61.90	93.23	55.80	-12.95	-11.84	54.70	-8.65
		897	1.209e+04	35.88	-1759.45	-1751.82	28.25	116.78	49.18	-23.89	-21.20	46.50	-13.75
85	7	225	9457.33	35.84	-1527.55	-1519.16	27.46	114.21	20.91	-29.93	-24.07	15.05	-16.23
		228	8991.47	64.31	-1509.18	-1503.76	58.89	92.21	26.37	-17.56	-14.52	23.34	-11.15
		898	1.160e+04	63.75	-1689.89	-1685.03	58.89	92.21	55.84	-12.06	-11.04	54.83	-8.25
		897	1.184e+04	34.97	-1707.95	-1700.43	27.46	114.21	49.09	-23.14	-20.58	46.54	-13.34
85	8	225	7400.18	27.98	-1192.12	-1185.58	21.44	89.09	16.60	-23.39	-18.80	12.01	-12.75
		228	7024.39	50.33	-1177.71	-1173.50	46.11	71.82	21.01	-13.46	-11.09	18.65	-8.71
		898	9117.67	49.88	-1322.80	-1319.04	46.11	71.82	44.45	-9.18	-8.41	43.68	-6.37
		897	9314.01	27.29	-1336.97	-1331.12	21.44	89.09	39.01	-18.08	-16.12	37.04	-10.40
85	9	225	6842.67	26.07	-1117.90	-1111.84	20.01	83.01	14.43	-21.55	-17.36	10.25	-11.54
		228	6530.89	47.00	-1104.42	-1100.53	43.10	66.85	18.08	-13.23	-10.99	15.84	-8.07
		898	8292.66	46.61	-1230.97	-1227.46	43.10	66.85	38.16	-9.32	-8.52	37.35	-6.13
		897	8460.66	25.46	-1244.22	-1238.77	20.01	83.01	33.66	-16.79	-14.89	31.76	-9.60
85	10	225	6696.44	25.48	-1088.95	-1083.01	19.54	81.14	14.41	-21.11	-17.01	10.31	-11.35
		228	6376.67	46.00	-1075.73	-1071.91	42.18	65.29	18.16	-12.65	-10.47	15.97	-7.91
		898	8188.72	45.59	-1210.28	-1206.88	42.18	65.29	38.24	-8.88	-8.13	37.49	-5.91
		897	8361.74	24.84	-1223.27	-1217.97	19.54	81.14	33.63	-16.48	-14.67	31.82	-9.35
85	11	225	6801.26	25.81	-1107.62	-1101.64	19.84	82.07	14.42	-21.51	-17.34	10.25	-11.51

		228	6489.92	47.18	-1093.88	-1090.10	43.39	65.58	18.07	-13.19	-10.96	15.84	-8.04
		898	8271.83	46.78	-1225.23	-1221.84	43.39	65.58	38.16	-9.30	-8.50	37.36	-6.11
		897	8438.96	25.19	-1238.73	-1233.38	19.84	82.07	33.65	-16.77	-14.88	31.77	-9.57
86	1	222	8584.21	62.19	-1381.48	-1355.46	36.17	192.06	22.92	-29.28	-21.52	15.15	-18.58
		225	7983.06	68.90	-1375.82	-1351.39	44.47	186.25	28.02	-18.01	-13.27	23.29	-13.98
		897	1.077e+04	66.58	-1524.80	-1502.70	44.47	186.25	57.07	-11.10	-9.36	55.34	-10.73
		896	1.091e+04	59.72	-1530.31	-1506.77	36.17	192.06	50.64	-21.05	-17.61	47.20	-15.33
86	2	222	8463.77	61.09	-1359.77	-1334.19	35.51	188.91	22.76	-28.67	-21.16	15.25	-18.16
		225	8094.02	67.96	-1353.96	-1330.02	44.02	182.95	28.08	-17.16	-12.63	23.55	-13.58
		897	1.070e+04	65.55	-1510.80	-1489.27	44.02	182.95	57.13	-10.52	-8.94	55.56	-10.19
		896	1.084e+04	58.51	-1516.44	-1493.44	35.51	188.91	50.46	-20.69	-17.48	47.25	-14.77
86	3	222	8354.83	60.41	-1335.39	-1309.99	35.01	186.57	22.74	-28.51	-21.00	15.23	-18.13
		225	7983.84	66.96	-1329.84	-1306.01	43.12	180.89	28.04	-16.99	-12.47	23.52	-13.54
		897	1.062e+04	64.41	-1494.36	-1473.08	43.12	180.89	57.08	-10.33	-8.76	55.51	-10.17
		896	1.076e+04	57.69	-1499.73	-1477.05	35.01	186.57	50.44	-20.51	-17.29	47.22	-14.76
86	4	222	8291.05	59.92	-1319.05	-1293.78	34.65	184.97	22.72	-28.46	-20.98	15.24	-18.08
		225	7920.37	67.39	-1312.73	-1289.24	43.90	178.49	28.06	-16.91	-12.41	23.56	-13.49
		897	1.060e+04	64.71	-1487.64	-1466.84	43.90	178.49	57.09	-10.29	-8.74	55.54	-10.10
		896	1.074e+04	57.03	-1493.76	-1471.37	34.65	184.97	50.42	-20.49	-17.31	47.23	-14.69
86	5	222	9346.72	68.37	-1544.84	-1517.46	40.99	208.35	22.82	-29.97	-22.87	15.72	-18.01
		225	8961.20	75.02	-1539.30	-1513.46	49.17	202.63	29.00	-18.03	-13.61	24.58	-13.72
		897	1.179e+04	72.06	-1744.24	-1721.35	49.17	202.63	57.94	-12.10	-10.73	56.57	-9.69
		896	1.196e+04	65.24	-1749.60	-1725.35	40.99	208.35	50.49	-22.76	-19.99	47.72	-13.99
86	6	222	8528.49	61.72	-1367.53	-1341.70	35.89	190.40	22.89	-29.22	-21.49	15.15	-18.52
		225	8168.94	68.88	-1361.48	-1337.36	44.75	184.19	28.00	-17.94	-13.24	23.29	-13.93
		897	1.074e+04	66.48	-1516.45	-1494.72	44.75	184.19	57.05	-11.05	-9.34	55.34	-10.67
		896	1.088e+04	59.15	-1522.33	-1499.06	35.89	190.40	50.62	-21.01	-17.59	47.20	-15.27
86	7	222	8290.42	59.87	-1321.84	-1296.68	34.71	184.75	22.73	-28.41	-20.86	15.19	-18.13
		225	7921.06	66.13	-1316.54	-1292.88	42.47	179.31	27.95	-16.94	-12.42	23.42	-13.51
		897	1.052e+04	63.69	-1472.58	-1451.35	42.47	179.31	57.00	-10.21	-8.63	55.42	-10.20
		896	1.066e+04	57.28	-1477.72	-1455.16	34.71	184.75	50.43	-20.33	-17.08	47.18	-14.82
86	8	222	6490.16	46.74	-1031.72	-1012.05	27.07	144.31	17.99	-22.20	-16.31	12.10	-14.21
		225	6192.05	51.76	-1027.46	-1009.00	33.30	139.95	22.22	-12.98	-9.48	18.72	-10.54
		897	8283.38	49.80	-1153.43	-1136.93	33.30	139.95	45.32	-7.73	-6.54	44.13	-7.86
		896	8393.18	44.65	-1157.56	-1139.98	27.07	144.31	40.01	-15.87	-13.38	37.52	-11.54
86	9	222	5991.10	43.58	-968.56	-950.33	25.35	134.62	15.73	-20.39	-15.03	10.36	-12.84
		225	5747.55	48.31	-964.57	-947.46	31.20	130.52	19.21	-12.73	-9.43	15.91	-9.73
		897	7505.53	46.64	-1072.86	-1057.43	31.20	130.52	39.04	-7.99	-6.76	37.81	-7.49
		896	7598.95	41.79	-1076.74	-1060.29	25.35	134.62	34.66	-14.75	-12.36	32.26	-10.61
86	10	222	5863.56	42.59	-942.95	-925.07	24.70	131.57	15.63	-19.96	-14.74	10.40	-12.60
		225	5613.81	47.23	-939.03	-922.25	30.45	127.54	19.22	-12.17	-8.98	16.04	-9.48
		897	7421.56	45.43	-1055.94	-1040.97	30.45	127.54	39.04	-7.56	-6.43	37.91	-7.18
		896	7517.75	40.66	-1059.75	-1043.79	24.70	131.57	34.54	-14.45	-12.18	32.27	-10.30
86	11	222	5960.10	43.32	-960.81	-942.68	25.19	133.70	15.71	-20.36	-15.01	10.36	-12.81
		225	5716.86	48.30	-956.60	-939.66	31.36	129.38	19.20	-12.70	-9.41	15.91	-9.70
		897	7489.07	46.58	-1068.22	-1052.99	31.36	129.38	39.03	-7.96	-6.75	37.81	-7.46
		896	7581.77	41.48	-1072.30	-1056.01	25.19	133.70	34.64	-14.73	-12.35	32.26	-10.58
87	1	219	6631.12	94.30	-1035.10	-979.33	38.53	244.70	24.90	-26.09	-16.21	15.01	-20.16
		222	6341.44	73.05	-1062.13	-995.21	6.13	267.38	29.71	-15.77	-9.17	23.10	-16.03
		896	8814.73	68.59	-1138.30	-1075.83	6.13	267.38	58.43	-7.23	-4.82	56.02	-12.34
		895	8843.82	90.57	-1111.99	-1059.95	38.53	244.70	52.17	-16.10	-11.86	47.93	-16.48
87	2	219	6543.16	93.57	-1018.93	-964.20	38.85	240.60	24.54	-25.57	-16.02	14.98	-19.69
		222	6257.78	72.32	-1045.93	-980.07	6.46	263.27	29.58	-15.07	-8.79	23.29	-15.53
		896	8772.16	67.42	-1130.48	-1069.52	6.46	263.27	58.21	-6.73	-4.56	56.03	-11.68
		895	8790.28	89.49	-1104.29	-1053.65	38.85	240.60	51.68	-15.74	-11.78	47.72	-15.84
87	3	219	6462.33	92.14	-999.20	-944.95	37.90	237.18	24.54	-25.50	-15.90	14.95	-19.70
		222	6172.60	71.10	-1026.08	-960.71	5.73	259.69	29.56	-14.97	-8.67	23.26	-15.52
		896	8714.87	65.77	-1117.66	-1057.63	5.73	259.69	58.17	-6.60	-4.42	55.99	-11.69
		895	8734.48	87.70	-1091.67	-1041.87	37.90	237.18	51.65	-15.63	-11.65	47.68	-15.87
87	4	219	6416.54	91.39	-987.62	-933.46	37.23	235.59	24.49	-25.46	-15.90	14.93	-19.65
		222	6128.92	70.82	-1014.00	-948.90	5.72	257.65	29.54	-14.92	-8.65	23.28	-15.47
		896	8698.86	65.09	-1112.50	-1053.13	5.72	257.65	58.14	-6.56	-4.41	55.99	-11.61
		895	8714.74	86.60	-1087.07	-1037.70	37.23	235.59	51.58	-15.60	-11.66	47.64	-15.79
87	5	219	7211.67	109.50	-1174.36	-1114.73	49.86	270.21	23.86	-26.12	-17.36	15.11	-19.00
		222	6988.60	85.97	-1203.43	-1132.02	14.56	294.91	29.70	-15.69	-9.98	23.99	-15.06
		896	9563.48	80.30	-1308.42	-1242.68	14.56	294.91	58.24	-7.81	-6.08	56.51	-10.55
		895	9538.30	104.75	-1280.28	-1225.39	49.86	270.21	50.89	-16.73	-13.46	47.63	-14.49
87	6	219	6593.28	93.53	-1025.54	-970.02	38.02	242.99	24.85	-26.04	-16.19	15.00	-20.11
		222	6304.80	72.70	-1052.08	-985.60	6.22	265.25	29.67	-15.72	-9.15	23.10	-15.98
		896	8792.72	68.05	-1131.69	-1069.86	6.22	265.25	58.40	-7.19	-4.81	56.01	-12.29
		895	8819.37	89.63	-1105.90	-1054.28	38.02	242.99	52.13	-16.06	-11.84	47.91	-16.42
87	7	219	6418.08	90.70	-989.08	-935.32	36.94	234.86	24.60	-25.44	-15.78	14.94	-19.74

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		222	6123.97	70.05	-1015.47	-950.79	5.36	256.96	29.54	-14.92	-8.57	23.19	-15.55
		896	8640.02	65.13	-1099.44	-1039.68	5.36	256.96	58.17	-6.51	-4.29	55.95	-11.78
		895	8662.28	86.59	-1073.87	-1024.21	36.94	234.86	51.74	-15.54	-11.50	47.70	-15.98
87	8	219	5030.13	71.06	-771.77	-729.77	29.06	183.39	19.41	-19.93	-12.38	11.86	-15.50
		222	4795.57	54.83	-792.52	-741.93	4.24	200.76	23.42	-11.47	-6.55	18.51	-12.13
		896	6812.10	50.77	-862.01	-815.48	4.24	200.76	46.14	-4.86	-3.18	44.47	-9.09
		895	6825.87	67.67	-841.94	-803.32	29.06	183.39	40.92	-12.11	-9.01	37.82	-12.45
87	9	219	4619.09	66.37	-725.73	-686.67	27.31	171.50	17.07	-18.10	-11.30	10.27	-13.89
		222	4425.68	51.37	-744.80	-697.87	4.45	187.50	20.35	-11.13	-6.55	15.78	-11.10
		896	6127.01	48.05	-801.80	-758.19	4.45	187.50	39.98	-5.27	-3.58	38.30	-8.57
		895	6147.26	63.59	-783.28	-746.99	27.31	171.50	35.72	-11.27	-8.34	32.79	-11.36
87	10	219	4525.18	65.17	-705.78	-667.57	26.96	167.32	16.87	-17.77	-11.14	10.24	-13.63
		222	4331.61	50.29	-724.77	-678.71	4.23	183.24	20.27	-10.68	-6.27	15.87	-10.82
		896	6071.23	46.49	-790.34	-748.08	4.23	183.24	39.84	-4.91	-3.36	38.28	-8.21
		895	6086.46	62.00	-771.99	-736.94	26.96	167.32	35.43	-11.00	-8.22	32.65	-11.02
87	11	219	4598.00	65.94	-720.42	-681.50	27.02	170.56	17.04	-18.07	-11.30	10.26	-13.86
		222	4405.25	51.18	-739.21	-692.53	4.50	186.32	20.34	-11.10	-6.54	15.78	-11.07
		896	6114.70	47.75	-798.13	-754.87	4.50	186.32	39.97	-5.25	-3.57	38.29	-8.54
		895	6133.63	63.07	-779.89	-743.84	27.02	170.56	35.69	-11.24	-8.33	32.78	-11.33
88	1	78	5156.59	14.03	-695.69	-588.28	-93.38	254.35	34.72	-9.59	-3.00	28.12	-15.77
		219	5237.33	2.28	-727.38	-602.57	-122.54	274.77	34.03	-10.04	-3.92	27.90	-15.24
		895	6594.16	57.33	-542.27	-362.40	-122.54	274.77	55.24	-4.40	0.08	50.76	-15.72
		3	6484.85	63.71	-505.21	-348.11	-93.38	254.35	55.80	-3.81	1.01	50.98	-16.25
88	2	78	5081.81	14.14	-687.50	-579.14	-94.22	253.55	34.15	-9.39	-3.03	27.79	-15.39
		219	5143.83	4.32	-714.26	-591.17	-118.77	270.74	33.72	-9.75	-3.91	27.88	-14.82
		895	6448.68	54.27	-542.36	-369.32	-118.77	270.74	54.41	-4.10	0.07	50.25	-15.05
		3	6349.83	59.89	-511.39	-357.29	-94.22	253.55	54.69	-3.58	0.95	50.16	-15.61
88	3	78	5043.82	14.19	-672.81	-566.94	-91.68	248.04	34.30	-9.24	-2.91	27.96	-15.35
		219	5115.31	3.61	-701.72	-579.92	-118.18	266.59	33.75	-9.71	-3.89	27.92	-14.81
		895	6429.30	52.62	-534.30	-363.49	-118.18	266.59	54.31	-4.12	0.10	50.08	-15.13
		3	6323.96	58.68	-500.87	-350.51	-91.68	248.04	54.71	-3.50	1.08	50.13	-15.67
88	4	78	5010.99	14.14	-664.47	-560.07	-90.26	244.85	34.29	-9.14	-2.87	28.02	-15.27
		219	5094.63	2.91	-695.24	-573.88	-118.45	264.58	33.72	-9.72	-3.94	27.94	-14.75
		895	6407.99	51.74	-529.77	-359.58	-118.45	264.58	54.14	-4.14	0.06	49.93	-15.08
		3	6290.55	58.16	-494.19	-345.77	-90.26	244.85	54.56	-3.42	1.13	50.01	-15.59
88	5	78	5353.20	16.25	-816.40	-677.55	-122.59	310.37	32.91	-9.60	-3.87	27.18	-14.52
		219	5301.12	17.20	-813.78	-676.38	-120.20	308.70	33.17	-10.44	-5.20	27.93	-14.18
		895	6371.80	59.12	-651.62	-472.30	-120.20	308.70	52.93	-4.61	-1.20	49.52	-13.58
		3	6361.32	58.50	-654.55	-473.47	-122.59	310.37	52.47	-3.57	0.13	48.77	-13.92
88	6	78	5130.68	14.02	-689.21	-583.08	-92.11	251.73	34.67	-9.56	-2.99	28.09	-15.74
		219	5217.54	1.89	-721.92	-597.83	-122.20	272.80	33.98	-10.03	-3.93	27.89	-15.20
		895	6577.69	56.86	-537.81	-358.75	-122.20	272.80	55.17	-4.38	0.08	50.71	-15.67
		3	6461.80	63.43	-499.54	-344.01	-92.11	251.73	55.72	-3.78	1.02	50.92	-16.20
88	7	78	5023.97	13.87	-664.23	-561.12	-89.24	243.49	34.33	-9.30	-2.87	27.90	-15.46
		219	5103.90	2.32	-695.58	-575.23	-118.04	263.64	33.77	-9.63	-3.74	27.87	-14.87
		895	6442.85	53.44	-523.39	-351.92	-118.04	263.64	54.52	-4.02	0.25	50.25	-15.23
		3	6330.21	59.85	-486.90	-337.81	-89.24	243.49	54.93	-3.53	1.12	50.28	-15.82
88	8	78	3947.95	10.91	-518.80	-437.58	-70.31	190.87	27.09	-7.26	-2.24	22.07	-12.13
		219	4005.35	2.30	-542.31	-448.14	-91.87	205.96	26.73	-7.48	-2.90	22.15	-11.64
		895	5053.69	40.94	-411.26	-278.45	-91.87	205.96	42.99	-3.03	0.25	39.70	-11.85
		3	4967.59	45.82	-384.01	-267.89	-70.31	190.87	43.22	-2.68	0.91	39.62	-12.34
88	9	78	3572.31	9.97	-488.75	-412.64	-66.14	179.34	23.85	-6.60	-2.11	19.35	-10.80
		219	3626.45	2.25	-509.65	-422.05	-85.34	192.79	23.31	-7.07	-2.86	19.10	-10.50
		895	4545.31	39.54	-382.96	-258.08	-85.34	192.79	37.82	-3.23	-0.12	34.71	-10.86
		3	4472.80	43.83	-358.64	-248.67	-66.14	179.34	38.27	-2.67	0.64	34.96	-11.16
88	10	78	3509.39	10.06	-476.05	-400.79	-65.20	175.84	23.61	-6.41	-2.06	19.26	-10.57
		219	3558.25	2.99	-495.39	-409.47	-82.92	188.25	23.16	-6.89	-2.84	19.11	-10.26
		895	4453.48	36.95	-378.56	-258.69	-82.92	188.25	37.30	-3.07	-0.11	34.34	-10.53
		3	4383.41	41.04	-356.24	-250.00	-65.20	175.84	37.67	-2.50	0.68	34.49	-10.84
88	11	78	3557.86	9.96	-485.15	-409.76	-65.43	177.89	23.82	-6.59	-2.10	19.34	-10.78
		219	3615.39	2.04	-506.61	-419.42	-85.15	191.69	23.29	-7.07	-2.87	19.09	-10.48
		895	4536.05	39.28	-380.48	-256.05	-85.15	191.69	37.78	-3.22	-0.12	34.68	-10.84
		3	4459.90	43.67	-355.49	-246.39	-65.43	177.89	38.23	-2.65	0.65	34.93	-11.14
89	1	74	1267.00	446.72	65.39	151.42	360.68	-159.39	4.48	-139.85	-27.78	-107.59	60.13
		138	2048.83	200.98	55.68	67.25	189.42	-39.32	240.78	-130.83	134.61	-24.66	167.87
		85	1848.22	198.74	23.64	32.97	189.42	-39.32	321.60	37.72	178.25	181.06	141.93
		443	866.75	439.49	38.33	117.15	360.68	-159.39	110.48	3.51	15.86	98.13	34.19
89	2	74	1292.46	458.89	71.38	160.69	369.58	-163.20	3.75	-142.89	-31.14	-108.01	62.44
		138	2092.62	205.56	62.12	74.16	193.52	-39.77	246.21	-134.11	134.92	-22.82	173.03
		85	1906.90	203.08	27.98	37.54	193.52	-39.77	330.83	37.58	180.30	188.11	146.57
		443	905.43	451.03	42.62	124.07	369.58	-163.20	115.68	1.48	14.24	102.92	35.98
89	3	74	1270.56	422.79	68.03	150.29	340.54	-149.72	5.39	-144.22	-31.15	-107.67	64.28

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		138	2117.63	189.56	59.67	70.67	178.56	-36.16	250.17	-136.75	135.56	-22.13	176.66
		85	1937.15	186.94	22.42	30.79	178.56	-36.16	336.92	39.15	183.54	192.53	148.82
		443	903.64	414.30	36.65	110.41	340.54	-149.72	119.88	3.95	16.83	107.00	36.43
89	4	74	1231.71	372.60	34.38	139.89	267.09	-156.69	5.43	-144.27	-25.11	-113.73	60.33
		138	2111.65	166.67	34.20	71.97	128.90	-59.81	246.08	-135.81	141.03	-30.77	170.53
		85	1873.77	160.63	16.18	47.92	128.90	-59.81	324.53	41.07	185.46	180.14	141.71
		443	763.26	365.45	17.48	115.84	267.09	-156.69	108.33	8.17	19.32	97.18	31.51
89	5	74	1237.62	399.26	30.18	137.07	292.36	-167.41	6.32	-139.46	-26.16	-106.98	60.67
		138	2107.76	207.58	29.43	73.66	163.35	-76.96	242.52	-131.40	135.98	-24.87	168.78
		85	1880.39	202.82	13.29	52.77	163.35	-76.96	322.40	39.37	180.39	181.38	141.51
		443	801.47	393.44	15.10	116.18	292.36	-167.41	111.26	6.25	18.24	99.27	33.40
89	6	74	1221.78	371.42	26.85	124.94	273.32	-155.49	7.69	-140.34	-26.39	-106.26	62.32
		138	2106.51	188.08	25.92	64.22	149.78	-68.88	243.47	-132.75	135.01	-24.30	170.42
		85	1887.26	184.51	13.17	47.91	149.78	-68.88	324.15	37.95	180.10	182.00	143.10
		443	792.38	366.93	15.02	108.63	273.32	-155.49	113.02	5.71	18.69	100.04	35.00
89	7	74	1201.55	341.22	28.33	115.88	253.66	-140.46	7.66	-142.15	-25.80	-108.69	62.39
		138	2088.54	153.86	26.95	53.69	127.13	-51.75	244.15	-134.30	136.19	-26.34	170.88
		85	1875.53	150.66	13.33	36.86	127.13	-51.75	324.65	37.49	181.45	180.70	143.58
		443	768.79	336.69	16.03	99.06	253.67	-140.46	111.69	6.11	19.46	98.34	35.09
89	8	74	982.32	332.67	55.41	118.48	269.60	-116.23	3.78	-110.96	-24.56	-82.63	49.48
		138	1628.28	149.94	48.16	55.87	142.23	-26.93	192.32	-105.30	103.79	-16.77	136.06
		85	1494.89	148.04	17.61	23.43	142.23	-26.93	259.41	30.15	140.85	148.71	114.57
		443	705.97	325.92	29.72	86.04	269.60	-116.23	92.63	2.72	12.50	82.86	27.99
89	9	74	890.76	300.40	41.10	102.11	239.39	-109.99	3.87	-99.87	-19.27	-76.73	43.19
		138	1464.62	134.10	35.84	45.57	124.37	-29.35	172.22	-93.57	96.32	-17.68	120.05
		85	1314.41	132.30	15.79	23.72	124.37	-29.35	229.75	26.86	127.66	128.95	101.44
		443	600.86	295.58	24.07	80.26	239.39	-109.99	78.94	3.03	12.06	69.91	24.58
89	10	74	892.79	287.15	42.53	101.48	228.20	-104.62	4.36	-102.28	-21.15	-76.77	45.50
		138	1502.92	127.82	38.00	47.47	118.34	-27.59	177.43	-96.85	96.85	-16.28	124.93
		85	1363.73	125.72	15.14	22.51	118.34	-27.59	238.25	27.67	130.60	135.33	105.26
		443	621.56	281.58	23.14	76.51	228.20	-104.62	84.16	3.28	12.60	74.83	25.83
89	11	74	865.79	258.72	19.54	87.40	190.86	-107.82	5.65	-100.14	-18.50	-75.99	44.41
		138	1496.75	127.43	18.81	43.89	102.35	-45.77	173.71	-94.64	96.55	-17.48	121.46
		85	1342.95	124.90	9.47	32.02	102.35	-45.77	231.17	26.99	128.69	129.48	102.09
		443	559.81	255.47	10.92	75.53	190.86	-107.82	80.36	4.24	13.64	70.97	25.03
90	1	369	828.79	283.40	9.63	83.33	209.70	-121.43	104.05	29.58	44.74	88.90	-29.98
		367	801.44	128.05	8.05	31.61	104.49	-47.67	121.09	17.49	50.28	88.30	-48.19
		378	723.58	124.16	-11.04	8.63	104.49	-47.67	104.23	10.16	32.77	81.62	-40.20
		374	761.31	277.58	-7.53	60.34	209.70	-121.43	89.93	19.52	27.23	82.22	-21.99
90	2	369	863.51	306.86	10.07	88.94	228.00	-131.10	105.78	28.36	42.84	91.30	-30.19
		367	827.44	148.06	8.38	36.05	120.39	-55.67	121.73	16.71	47.79	90.65	-47.94
		378	756.03	143.87	-11.59	11.89	120.39	-55.67	105.87	9.44	30.97	84.34	-40.16
		374	801.16	300.81	-8.04	64.77	228.00	-131.10	92.53	18.47	26.02	84.98	-22.41
90	3	369	854.22	291.49	10.05	85.60	215.94	-124.72	106.47	27.75	43.36	90.85	-31.39
		367	823.82	143.81	8.65	36.47	115.99	-54.65	121.45	15.82	47.40	89.87	-48.36
		378	757.69	139.43	-11.42	12.02	115.99	-54.65	106.80	9.21	31.69	84.33	-41.09
		374	796.14	285.33	-8.24	61.15	215.94	-124.72	94.07	18.89	27.66	85.31	-24.13
90	4	369	853.96	269.97	6.23	75.89	200.32	-116.27	111.18	32.65	51.57	92.26	-33.58
		367	853.77	122.49	4.49	26.71	100.27	-46.13	131.77	19.62	59.08	92.32	-53.55
		378	757.16	119.70	-9.24	10.19	100.27	-46.13	111.69	11.91	39.16	84.43	-44.46
		374	770.12	265.80	-6.12	59.37	200.32	-116.27	94.00	22.04	31.66	84.38	-24.49
90	5	369	862.44	300.11	3.05	82.94	220.22	-131.72	106.86	30.42	46.42	90.86	-31.10
		367	864.30	168.67	2.01	39.28	131.40	-69.45	124.64	18.09	52.39	90.34	-49.78
		378	782.42	166.46	-6.16	28.89	131.40	-69.45	107.29	10.66	34.31	83.63	-41.55
		374	791.02	297.39	-4.61	72.55	220.22	-131.72	92.33	20.17	28.34	84.15	-22.87
90	6	369	830.42	286.01	1.37	76.49	210.88	-125.46	103.39	29.65	45.08	87.97	-29.99
		367	836.59	165.21	0.27	36.32	129.16	-68.17	120.18	17.34	50.37	87.15	-48.02
		378	759.34	163.65	-5.54	28.96	129.16	-68.17	103.75	10.22	33.15	80.81	-40.24
		374	762.91	284.10	-4.10	69.12	210.88	-125.46	89.62	19.87	27.86	81.64	-22.21
90	7	369	791.04	252.26	3.58	68.16	187.67	-109.04	102.46	29.97	46.04	86.40	-30.11
		367	793.55	127.29	2.08	26.49	102.89	-49.60	119.60	17.35	51.35	85.60	-48.17
		378	714.91	125.18	-7.47	14.82	102.89	-49.60	102.92	10.44	34.10	79.25	-40.35
		374	722.83	249.33	-5.16	56.49	187.67	-109.04	88.39	20.45	28.79	80.05	-22.30
90	8	369	662.71	228.06	8.20	67.47	168.80	-97.56	82.16	21.03	33.03	70.16	-24.27
		367	636.72	112.85	7.15	29.15	90.85	-42.91	93.49	11.98	36.05	69.42	-37.18
		378	586.94	109.29	-9.03	9.40	90.85	-42.91	82.41	6.94	24.12	65.22	-31.65
		374	618.88	223.08	-6.56	47.71	168.80	-97.56	72.76	14.30	21.10	65.96	-18.74
90	9	369	582.56	195.89	5.99	56.68	145.20	-84.00	73.75	21.21	32.10	62.87	-21.30
		367	567.57	89.87	4.85	21.37	73.35	-33.64	85.90	12.46	35.97	62.38	-34.26
		378	512.04	87.37	-7.38	6.63	73.35	-33.64	73.93	7.31	23.54	57.69	-28.60
		374	534.47	192.17	-5.03	41.94	145.20	-84.00	63.72	14.12	19.67	58.17	-15.64
90	10	369	596.64	200.38	6.22	57.94	148.66	-85.83	75.10	20.19	31.33	63.95	-22.08

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		367	579.91	98.62	5.19	24.07	79.74	-37.52	86.08	11.55	34.37	63.26	-34.36
		378	530.93	95.85	-7.60	8.51	79.74	-37.52	75.35	6.79	22.94	59.19	-29.10
		374	553.80	196.47	-5.43	42.39	148.66	-85.83	66.03	13.77	19.91	59.89	-16.83
90	11	369	583.45	197.34	1.39	52.88	145.85	-86.24	73.39	21.24	32.29	62.35	-21.30
		367	587.10	110.49	0.55	23.99	87.06	-45.02	85.39	12.37	36.02	61.74	-34.17
		378	531.95	109.25	-4.27	17.92	87.06	-45.02	73.66	7.34	23.76	57.24	-28.62
		374	535.38	195.78	-3.11	46.82	145.85	-86.24	63.55	14.31	20.02	57.85	-15.76
91	1	443	948.66	345.79	-31.88	72.36	241.55	-168.83	149.18	64.79	72.06	141.92	23.67
		85	917.75	335.23	-31.91	68.87	234.45	-163.84	153.69	76.99	94.76	135.93	32.35
		370	900.05	334.93	-32.70	67.79	234.45	-163.84	134.94	81.46	85.01	131.39	13.32
		366	958.80	345.49	-32.66	71.29	241.55	-168.83	137.66	62.03	62.31	137.37	4.64
91	2	443	979.06	357.85	-34.09	77.51	246.25	-176.88	154.35	64.61	72.09	146.86	24.81
		85	946.32	350.29	-34.11	75.02	241.17	-173.32	158.54	76.79	94.71	140.62	33.83
		370	933.05	350.96	-32.45	77.33	241.17	-173.32	140.22	81.93	85.60	136.55	14.16
		366	992.63	358.51	-32.44	79.83	246.25	-176.88	143.13	62.65	62.98	142.80	5.14
91	3	443	966.55	325.04	-33.04	65.72	226.28	-160.03	155.54	68.27	75.71	148.10	24.37
		85	944.55	332.11	-33.02	68.06	231.04	-163.37	159.65	78.55	96.56	141.64	33.71
		370	936.00	331.50	-34.62	65.84	231.04	-163.37	142.62	86.22	89.79	139.05	13.72
		366	982.54	324.43	-34.65	63.50	226.28	-160.03	145.77	68.68	68.94	145.52	4.39
91	4	443	938.18	327.53	-21.47	85.37	220.68	-160.85	149.23	69.51	75.38	143.37	20.81
		85	918.33	321.34	-21.48	83.33	216.53	-157.94	153.60	85.39	101.57	137.43	29.01
		370	889.38	316.37	-33.33	66.50	216.53	-157.94	133.20	85.34	87.52	131.02	9.97
		366	943.38	322.54	-33.32	68.54	220.68	-160.85	137.01	61.28	61.33	136.97	1.77
91	5	443	952.64	347.57	-19.41	86.27	241.88	-166.18	149.50	66.36	73.16	142.70	22.78
		85	929.57	346.66	-19.41	85.97	241.28	-165.75	153.83	79.88	97.19	136.52	31.31
		370	909.67	342.66	-29.72	71.66	241.28	-165.75	134.44	82.91	85.86	131.48	11.98
		366	962.80	343.56	-29.72	71.95	241.88	-166.18	137.82	61.68	61.84	137.66	3.45
91	6	443	932.66	323.46	-18.18	79.73	225.55	-154.48	149.57	65.46	73.20	141.84	24.31
		85	914.04	325.18	-18.18	80.30	226.70	-155.29	154.32	77.67	96.52	135.47	33.01
		370	888.27	321.80	-26.88	68.22	226.70	-155.29	134.35	82.41	86.13	130.63	13.40
		366	936.55	320.09	-26.88	67.66	225.55	-154.48	137.29	62.51	62.81	137.00	4.70
91	7	443	906.54	292.37	-18.78	69.64	203.95	-140.34	148.46	66.23	74.23	140.45	24.38
		85	891.73	292.00	-18.78	69.51	203.70	-140.16	153.61	78.08	97.64	134.05	33.09
		370	858.93	288.80	-27.13	57.97	203.70	-140.16	133.12	83.26	87.18	129.20	13.42
		366	904.92	289.18	-27.13	58.10	203.95	-140.34	135.91	63.46	63.77	135.60	4.71
91	8	443	748.27	253.34	-26.54	50.43	176.37	-124.97	120.01	52.50	58.10	114.41	18.63
		85	730.09	259.41	-26.52	52.44	180.46	-127.83	122.90	60.30	73.84	109.36	25.77
		370	725.55	259.16	-27.18	51.53	180.46	-127.83	110.09	66.26	68.88	107.47	10.39
		366	761.92	253.09	-27.20	49.52	176.37	-124.97	112.70	52.96	53.14	112.52	3.24
91	9	443	667.45	236.77	-20.72	50.75	165.31	-115.30	106.10	46.44	51.79	100.75	17.05
		85	648.82	230.82	-20.74	48.78	161.30	-112.49	109.61	55.02	68.12	96.51	23.31
		370	633.87	230.16	-22.46	46.40	161.30	-112.49	96.01	58.47	61.16	93.32	9.68
		366	673.02	236.12	-22.44	48.37	165.31	-115.30	97.78	44.60	44.82	97.56	3.42
91	10	443	677.57	225.25	-21.36	47.06	156.83	-110.42	109.63	48.37	53.82	104.18	17.44
		85	663.74	229.09	-21.35	48.33	159.41	-112.23	112.91	55.90	69.13	99.68	24.06
		370	653.92	228.26	-23.53	45.31	159.41	-112.23	100.27	61.12	63.81	97.58	9.91
		366	686.34	224.42	-23.55	44.04	156.83	-110.42	102.29	48.30	48.50	102.09	3.28
91	11	443	658.85	224.37	-13.11	54.84	156.42	-107.33	106.32	46.81	52.42	100.70	17.40
		85	647.07	225.24	-13.11	55.13	157.00	-107.74	109.97	55.39	69.10	96.26	23.68
		370	627.48	222.87	-19.23	46.64	157.00	-107.74	95.70	58.99	61.78	92.90	9.73
		366	660.78	222.00	-19.23	46.35	156.42	-107.33	97.58	44.87	45.10	97.35	3.46
92	1	366	769.63	329.80	-1.64	64.54	263.62	-132.50	93.59	52.21	53.31	92.49	-6.65
		370	806.69	393.43	-0.46	85.90	307.08	-162.97	101.71	61.19	63.22	99.67	8.85
		382	857.51	384.90	-34.18	43.64	307.08	-162.97	108.52	71.07	71.76	107.82	5.06
		395	824.78	322.16	-36.26	22.28	263.62	-132.50	103.27	59.21	61.85	100.64	-10.44
92	2	366	801.16	345.59	-0.36	73.23	272.00	-141.58	97.50	52.28	53.20	96.58	-6.37
		370	839.04	414.77	0.65	96.36	319.06	-174.57	105.61	61.41	63.56	103.47	9.50
		382	890.13	405.69	-32.71	53.93	319.06	-174.57	112.10	71.42	72.13	111.39	5.32
		395	857.02	337.38	-34.58	30.80	272.00	-141.58	106.97	59.30	61.77	104.51	-10.55
92	3	366	779.06	308.69	-2.99	56.24	249.47	-122.27	98.99	57.86	59.30	97.55	-7.56
		370	831.11	394.73	-1.23	85.17	308.33	-163.54	106.66	65.42	67.65	104.42	9.33
		382	887.24	385.80	-36.91	40.56	308.33	-163.54	113.97	77.44	78.08	113.32	4.80
		395	840.04	301.11	-40.02	11.63	249.46	-122.27	110.07	66.11	69.73	106.45	-12.09
92	4	366	769.17	312.03	-5.17	61.34	245.51	-129.13	95.60	51.41	53.52	93.50	-9.41
		370	816.77	386.46	-4.05	86.24	296.16	-164.64	102.08	64.16	64.89	101.34	5.22
		382	862.84	376.59	-40.86	39.57	296.16	-164.64	108.92	71.89	72.01	108.80	2.15
		395	818.87	303.29	-43.10	14.67	245.51	-129.13	104.51	57.08	60.64	100.95	-12.48
92	5	366	776.03	327.54	-4.87	63.97	258.70	-134.70	94.77	51.75	53.24	93.28	-7.87
		370	824.53	405.69	-3.63	90.13	311.92	-172.01	102.21	62.38	63.78	100.82	7.32
		382	874.54	396.44	-38.16	46.36	311.92	-172.01	109.23	71.38	71.78	108.83	3.85
		395	829.68	319.35	-40.45	20.20	258.70	-134.70	104.28	58.26	61.24	101.29	-11.33
92	6	366	743.63	305.18	-4.44	59.65	241.08	-125.45	92.94	52.64	53.81	91.77	-6.77

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		370	794.40	384.89	-3.20	86.33	295.36	-163.50	101.14	61.84	63.92	99.06	8.80
		382	845.13	376.06	-35.89	44.81	295.36	-163.50	107.93	71.72	72.43	107.22	5.03
		395	798.50	297.43	-38.22	18.13	241.08	-125.45	102.68	59.57	62.32	99.92	-10.54
92	7	366	710.55	275.40	-4.80	50.22	220.38	-111.31	91.53	53.53	54.78	90.28	-6.79
		370	762.52	352.65	-3.38	76.15	273.12	-148.29	99.80	62.67	64.90	97.57	8.82
		382	812.47	344.13	-36.56	34.45	273.12	-148.29	106.51	72.66	73.43	105.75	5.03
		395	765.06	268.10	-39.20	8.52	220.37	-111.31	101.39	60.38	63.31	98.45	-10.57
92	8	366	605.18	240.77	-2.11	43.99	194.67	-95.25	76.67	44.60	45.74	75.53	-5.95
		370	644.50	307.56	-0.75	66.45	240.37	-127.29	82.30	50.25	51.89	80.66	7.06
		382	687.88	300.66	-28.34	31.95	240.37	-127.29	87.91	59.61	60.05	87.47	3.49
		395	652.32	234.92	-30.75	9.49	194.67	-95.25	85.23	51.01	53.90	82.34	-9.52
92	9	366	537.31	225.32	-1.68	43.40	180.24	-90.56	66.26	37.58	38.35	65.48	-4.66
		370	566.72	272.73	-0.80	59.32	212.62	-113.26	72.29	44.01	45.57	70.73	6.46
		382	603.02	266.67	-24.73	29.32	212.62	-113.26	77.18	51.10	51.66	76.62	3.79
		395	576.73	219.94	-26.31	13.40	180.24	-90.56	73.24	42.58	44.44	71.38	-7.33
92	10	366	542.64	213.59	-2.43	38.78	172.37	-84.88	69.26	40.72	41.68	68.29	-5.17
		370	580.37	273.45	-1.23	58.91	213.32	-113.59	75.04	46.35	48.03	73.37	6.72
		382	619.61	267.18	-26.24	27.61	213.32	-113.59	80.21	54.64	55.17	79.68	3.64
		395	585.28	208.26	-28.40	7.48	172.37	-84.88	77.02	46.41	48.82	74.60	-8.25
92	11	366	522.91	211.63	-3.23	40.68	167.72	-86.64	65.90	37.82	38.64	65.08	-4.73
		370	559.93	267.98	-2.32	59.55	206.11	-113.56	71.97	44.37	45.96	70.39	6.42
		382	596.16	261.75	-25.67	29.97	206.12	-113.56	76.86	51.46	52.03	76.28	3.77
		395	562.16	206.19	-27.38	11.09	167.72	-86.64	72.91	42.77	44.71	70.98	-7.39
93	1	138	1433.54	176.60	13.75	67.03	123.32	-76.40	158.20	-89.94	91.74	-23.48	109.89
		77	1453.13	187.02	13.75	70.46	130.31	-81.30	138.56	-114.80	103.37	-79.61	87.62
		446	911.06	183.12	5.14	57.95	130.31	-81.30	63.06	-84.35	52.19	-73.48	38.52
		85	845.06	172.71	5.13	54.52	123.32	-76.40	78.94	-55.73	40.56	-17.35	60.79
93	2	138	1441.57	179.81	5.12	48.20	136.73	-75.30	156.42	-91.25	88.01	-22.84	110.74
		77	1463.49	185.26	5.16	50.01	140.41	-77.88	137.90	-114.63	101.36	-78.10	88.83
		446	915.42	185.92	7.12	52.63	140.41	-77.88	61.10	-85.03	49.04	-72.97	40.21
		85	852.91	180.46	7.09	50.82	136.73	-75.30	76.60	-58.62	35.69	-17.71	62.11
93	3	138	1431.30	164.96	-6.35	26.71	131.90	-67.60	154.66	-91.97	85.86	-23.17	110.61
		77	1458.94	168.14	-6.27	27.78	134.09	-69.13	136.82	-115.09	100.01	-78.28	88.98
		446	906.69	172.10	8.37	46.38	134.09	-69.13	59.22	-86.82	47.18	-74.78	40.16
		85	836.95	168.88	8.33	45.31	131.90	-67.60	73.85	-60.50	33.03	-19.68	61.79
93	4	138	1511.90	162.33	16.31	56.83	121.81	-65.38	173.94	-91.10	106.92	-24.07	115.21
		77	1550.11	163.84	16.32	57.33	122.83	-66.09	156.47	-118.90	121.94	-84.37	91.20
		446	978.63	162.49	12.68	52.33	122.83	-66.09	73.15	-91.99	63.80	-82.63	38.18
		85	872.91	160.98	12.67	51.83	121.81	-65.38	84.86	-58.42	48.78	-22.34	62.19
93	5	138	1458.92	206.64	26.17	90.42	142.39	-86.41	161.72	-88.82	95.71	-22.81	110.37
		77	1485.18	213.78	26.18	92.78	147.18	-89.77	144.68	-113.68	110.29	-79.29	87.76
		446	945.53	204.72	7.13	64.67	147.18	-89.77	65.80	-85.42	55.47	-75.09	38.14
		85	868.59	197.59	7.12	62.32	142.39	-86.41	78.78	-56.50	40.89	-18.62	60.74
93	6	138	1435.89	191.46	30.86	96.85	125.47	-79.01	158.87	-91.25	91.97	-24.36	110.71
		77	1464.41	210.38	30.98	103.12	138.23	-87.96	140.72	-116.00	105.45	-80.72	88.38
		446	931.79	195.09	2.16	59.02	138.23	-87.96	63.23	-85.74	52.33	-74.84	38.79
		85	852.67	176.09	2.13	52.74	125.47	-79.01	77.70	-57.32	38.86	-18.48	61.12
93	7	138	1417.01	155.18	30.26	80.59	104.85	-61.27	159.39	-92.56	93.11	-26.27	110.93
		77	1451.18	172.25	30.35	86.25	116.35	-69.33	141.88	-117.58	106.93	-82.63	88.58
		446	917.21	159.48	4.90	48.03	116.35	-69.33	64.18	-87.68	53.42	-76.91	38.97
		85	829.10	142.38	4.84	42.37	104.85	-61.27	77.82	-58.78	39.60	-20.55	61.33
93	8	138	1099.78	129.08	-8.06	17.02	104.00	-53.01	118.02	-70.75	65.04	-17.77	84.82
		77	1121.17	130.70	-8.01	17.57	105.12	-53.80	104.37	-88.37	75.96	-59.97	68.32
		446	695.46	134.49	6.58	35.95	105.12	-53.80	44.85	-66.61	35.52	-57.29	30.86
		85	642.84	132.84	6.56	35.40	104.00	-53.01	56.10	-46.59	24.60	-15.09	47.35
93	9	138	1018.36	120.96	12.10	48.62	84.43	-51.40	113.17	-64.25	65.82	-16.90	78.48
		77	1033.77	129.05	12.10	51.29	89.86	-55.21	99.44	-81.93	74.40	-56.90	62.56
		446	649.35	125.27	3.80	39.21	89.86	-55.21	45.29	-60.55	37.53	-52.79	27.58
		85	599.68	117.19	3.79	36.55	84.43	-51.40	56.32	-40.17	28.95	-12.79	43.49
93	10	138	1017.12	113.88	1.54	26.22	89.20	-46.51	111.19	-65.37	62.55	-16.73	78.88
		77	1037.03	117.93	1.60	27.58	91.96	-48.44	98.46	-82.09	72.54	-56.16	63.32
		446	646.87	119.13	5.61	32.78	91.96	-48.44	43.15	-61.91	34.75	-53.52	28.49
		85	595.04	115.07	5.56	31.43	89.20	-46.51	53.48	-42.80	24.76	-14.09	44.05
93	11	138	1019.59	129.24	21.58	65.19	85.63	-52.85	113.54	-64.98	65.94	-17.39	78.94
		77	1039.96	142.05	21.65	69.44	94.26	-58.90	100.64	-82.60	75.56	-57.52	62.99
		446	660.84	131.93	2.14	39.80	94.26	-58.90	45.38	-61.32	37.61	-53.55	27.73
		85	603.88	119.07	2.11	35.56	85.63	-52.85	55.63	-41.05	28.00	-13.42	43.68
94	1	446	313.11	184.26	2.64	55.71	131.18	-82.60	44.04	15.21	40.07	19.18	9.94
		445	375.55	135.01	2.53	39.45	98.09	-59.40	39.77	-17.00	39.26	-16.49	5.35
		367	547.39	136.38	5.95	44.24	98.09	-59.40	71.57	3.74	35.60	39.72	-33.85
		369	674.88	185.68	6.01	60.51	131.18	-82.60	91.06	20.74	36.41	75.39	-29.26
94	2	446	322.57	195.32	-0.36	53.50	141.47	-87.40	43.09	15.28	37.21	21.16	11.36

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		445	377.99	148.29	-0.58	37.93	109.79	-65.19	36.88	-16.26	35.90	-15.28	7.15
		367	560.58	151.28	7.38	48.88	109.79	-65.19	71.43	4.25	33.38	42.30	-33.29
		369	699.72	198.46	7.46	64.45	141.47	-87.40	93.20	20.23	34.69	78.74	-29.08
94	3	446	316.65	182.46	-2.80	46.86	132.81	-82.06	42.44	14.29	36.18	20.55	11.71
		445	377.80	144.70	-3.02	34.34	107.34	-64.21	34.68	-17.88	33.44	-16.64	7.98
		367	561.50	148.77	7.84	49.27	107.34	-64.21	71.79	3.88	33.15	42.53	-33.63
		369	697.17	186.71	7.88	61.79	132.81	-82.06	94.88	20.73	35.88	79.72	-29.90
94	4	446	321.88	179.51	8.32	61.51	126.32	-79.22	51.13	17.76	49.34	19.55	7.52
		445	414.78	130.06	8.29	45.20	93.15	-55.97	50.43	-17.80	50.34	-17.70	2.51
		367	588.33	128.05	3.38	38.28	93.15	-55.97	80.03	2.88	44.14	38.77	-38.48
		369	700.13	177.42	3.49	54.59	126.32	-79.22	96.87	22.30	43.14	76.02	-33.47
94	5	446	330.95	221.65	9.82	76.35	155.13	-98.32	45.68	16.81	42.40	20.09	9.16
		445	395.25	167.91	9.80	58.63	119.08	-73.04	42.69	-16.26	42.34	-15.92	4.51
		367	589.91	164.66	2.03	47.61	119.08	-73.04	74.15	3.81	37.82	40.14	-35.15
		369	720.11	218.31	2.14	65.33	155.13	-98.32	93.02	21.00	37.88	76.15	-30.50
94	6	446	330.57	211.11	9.69	71.79	149.01	-93.02	44.20	13.93	40.10	18.03	10.36
		445	390.14	158.11	9.65	54.31	113.45	-68.09	39.44	-18.55	38.85	-17.96	5.80
		367	562.69	154.89	1.58	43.01	113.45	-68.09	71.02	3.44	35.69	38.77	-33.76
		369	695.64	207.76	1.74	60.49	149.01	-93.02	90.64	21.06	36.93	74.77	-29.19
94	7	446	313.59	171.89	7.49	56.99	122.40	-75.42	44.92	12.52	41.13	16.32	10.42
		445	385.54	124.99	7.43	41.51	90.91	-53.34	40.64	-20.33	40.07	-19.76	5.87
		367	529.43	123.16	2.70	34.95	90.91	-53.34	70.70	3.06	36.74	37.02	-33.82
		369	652.00	169.97	2.85	50.43	122.40	-75.42	89.63	21.26	37.79	73.10	-29.27
94	8	446	243.86	142.18	-2.94	35.63	103.61	-64.11	32.35	11.05	27.30	16.09	9.06
		445	290.15	113.80	-3.12	26.22	84.47	-50.69	26.07	-13.58	25.05	-12.56	6.28
		367	435.41	117.38	6.40	39.31	84.47	-50.69	55.29	2.98	25.12	33.15	-25.85
		369	540.79	145.90	6.43	48.72	103.61	-64.11	73.37	15.80	27.37	61.81	-23.07
94	9	446	222.67	127.94	2.54	39.31	91.17	-57.09	31.58	10.44	28.76	13.26	7.19
		445	268.58	93.42	2.46	27.91	67.98	-40.83	28.53	-12.57	28.16	-12.20	3.91
		367	385.37	93.95	3.79	29.76	67.98	-40.83	50.76	2.61	25.55	27.82	-24.05
		369	475.07	128.48	3.84	41.16	91.17	-57.09	64.52	14.91	26.16	53.27	-20.77
94	10	446	224.36	126.92	-0.46	34.39	92.07	-56.79	30.62	10.00	26.60	14.02	8.18
		445	269.32	98.79	-0.60	25.07	73.12	-43.50	25.69	-13.04	24.92	-12.28	5.38
		367	392.99	100.83	4.84	32.55	73.12	-43.50	50.85	2.72	24.19	29.38	-23.93
		369	487.39	129.06	4.88	41.87	92.07	-56.79	66.63	14.91	25.87	55.68	-21.13
94	11	446	232.15	142.85	6.46	48.24	101.07	-62.87	31.67	9.72	28.77	12.62	7.43
		445	276.51	106.25	6.43	36.17	76.51	-45.65	28.35	-13.43	27.93	-13.01	4.17
		367	393.83	104.24	1.35	29.08	76.51	-45.65	50.46	2.44	25.60	27.29	-24.00
		369	486.59	140.76	1.46	41.15	101.07	-62.87	64.29	15.08	26.45	52.93	-20.74
95	1	85	847.07	353.10	25.49	94.23	284.36	-133.40	132.51	64.27	83.50	113.27	30.70
		446	561.61	204.97	20.37	43.73	181.62	-61.37	90.39	47.79	65.36	72.81	20.97
		369	606.77	200.11	-22.00	-3.51	181.62	-61.37	85.17	50.64	63.17	72.64	-16.60
		370	888.75	344.23	-12.88	46.99	284.36	-133.40	114.53	79.89	81.31	113.11	-6.87
95	2	85	873.92	371.38	23.30	91.15	303.53	-137.89	134.30	62.73	80.86	116.17	31.12
		446	577.57	220.29	16.74	39.20	197.83	-63.78	90.58	45.23	60.94	74.88	21.58
		369	633.75	216.05	-25.36	-7.13	197.83	-63.78	86.71	49.72	60.76	75.66	-16.92
		370	926.37	363.24	-14.88	44.83	303.53	-137.89	118.40	79.25	80.69	116.96	-7.38
95	3	85	855.62	351.21	19.50	83.16	287.55	-130.64	132.17	62.97	79.74	115.40	29.66
		446	559.76	207.08	12.90	33.49	186.49	-59.79	87.84	43.55	57.60	73.79	20.61
		369	631.15	203.36	-25.35	-8.48	186.49	-59.79	88.31	48.25	60.48	76.09	-18.44
		370	920.45	343.92	-15.18	41.19	287.55	-130.64	120.06	80.26	82.62	117.70	-9.40
95	4	85	863.86	336.77	23.35	87.99	272.13	-126.81	137.39	73.44	93.91	116.92	29.83
		446	587.59	197.81	18.31	40.54	175.59	-59.12	96.31	57.39	77.84	75.86	19.44
		369	625.21	193.29	-21.79	-4.08	175.59	-59.12	91.90	54.81	72.40	74.31	-18.52
		370	893.50	328.53	-13.02	43.38	272.13	-126.81	117.63	86.20	88.47	115.36	-8.13
95	5	85	850.99	359.76	21.29	96.17	284.88	-140.49	132.86	67.00	85.92	113.94	29.80
		446	577.82	235.39	18.32	54.20	199.51	-80.63	91.13	50.56	67.89	73.80	20.07
		369	646.88	229.43	-17.76	12.17	199.51	-80.63	87.44	52.20	65.66	73.97	-17.13
		370	901.50	351.30	-12.28	54.13	284.88	-140.49	115.82	81.99	83.69	114.12	-7.40
95	6	85	827.18	338.46	18.97	87.03	270.40	-130.81	130.94	64.07	83.42	111.58	30.33
		446	557.91	224.97	15.85	48.60	192.22	-76.00	88.96	46.83	64.47	71.32	20.79
		369	624.47	219.60	-18.74	8.64	192.22	-76.00	84.78	50.52	63.46	71.84	-16.61
		370	872.90	330.73	-13.26	47.07	270.41	-130.81	113.71	80.81	82.40	112.11	-7.07
95	7	85	806.44	306.25	19.44	76.97	248.72	-114.84	130.27	64.26	84.45	110.08	30.42
		446	537.80	188.72	15.00	36.77	166.95	-57.52	88.54	46.58	65.44	69.69	20.87
		369	584.79	184.52	-21.32	-3.74	166.95	-57.52	84.26	50.45	64.46	70.25	-16.66
		370	839.97	298.96	-13.79	36.45	248.72	-114.84	112.39	81.72	83.47	110.64	-7.11
95	8	85	806.93	274.42	15.00	64.78	224.64	-102.16	101.37	48.11	60.56	88.92	22.54
		446	431.85	161.57	9.83	25.89	145.51	-46.68	67.25	33.04	43.37	56.92	15.71
		369	490.29	158.70	-19.67	-6.47	145.51	-46.68	68.25	36.62	45.96	58.91	-14.43
		370	714.85	268.79	-11.73	32.42	224.64	-102.16	92.86	61.21	63.15	90.92	-7.59
95	9	85	597.27	243.04	17.21	63.98	196.27	-91.52	94.32	45.84	59.88	80.28	21.99

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		446	396.54	142.24	13.59	29.57	126.26	-42.43	64.29	33.90	46.75	51.44	15.02
		369	426.89	138.95	-15.71	-3.03	126.26	-42.43	60.42	36.25	45.33	51.34	-11.71
		370	623.84	237.00	-9.35	31.38	196.27	-91.51	81.17	57.47	58.46	80.19	-4.74
95	10	85	601.65	242.01	13.87	57.83	198.04	-89.98	94.09	45.17	57.79	81.46	21.41
		446	394.79	143.42	9.44	23.88	128.97	-41.55	62.77	31.64	42.44	51.98	14.82
		369	440.09	140.75	-17.57	-5.79	128.97	-41.56	62.12	34.97	43.83	53.25	-12.73
		370	641.31	236.84	-10.64	28.16	198.05	-89.98	84.24	57.68	59.18	82.74	-6.14
95	11	85	586.26	234.91	13.59	59.98	188.52	-90.08	93.45	45.72	59.83	79.34	21.78
		446	394.25	153.29	11.15	32.28	132.16	-50.56	63.50	33.36	46.26	50.61	14.91
		369	436.72	149.67	-13.80	3.72	132.16	-50.56	60.21	36.17	45.49	50.90	-11.71
		370	615.10	229.49	-9.54	31.43	188.52	-90.08	80.72	57.98	59.06	79.63	-4.85
96	1	370	865.92	374.82	-56.36	40.07	278.39	-179.66	106.67	64.49	64.73	106.43	-3.15
		369	831.76	273.31	-58.26	5.99	209.06	-131.06	113.03	62.99	66.24	109.78	-12.34
		374	741.45	285.19	-16.56	59.57	209.06	-131.06	97.43	56.17	57.06	96.55	-5.98
		382	776.80	388.03	-16.00	93.65	278.39	-179.66	93.47	55.28	55.55	93.20	3.21
96	2	370	905.13	398.07	-60.84	37.53	299.70	-188.32	109.28	62.76	63.07	108.96	-3.80
		369	869.02	297.49	-63.05	3.66	230.78	-140.01	115.18	61.03	64.13	112.08	-12.58
		374	778.59	309.54	-18.09	60.67	230.78	-140.01	99.87	54.51	55.47	98.91	-6.53
		382	815.77	411.57	-17.33	94.55	299.69	-188.32	95.92	54.29	54.41	95.80	2.26
96	3	370	890.03	374.87	-62.90	33.37	278.60	-181.31	109.32	63.32	64.12	108.53	-5.99
		369	856.07	280.18	-64.76	1.55	213.87	-135.93	115.29	60.29	64.22	111.36	-14.17
		374	768.99	293.36	-18.56	60.93	213.87	-135.93	100.24	54.86	56.51	98.59	-8.50
		382	804.15	389.41	-18.07	92.75	278.60	-181.31	95.76	56.41	56.41	95.75	-0.33
96	4	370	885.84	369.24	-55.63	39.42	274.19	-177.06	111.65	71.81	72.15	111.30	-3.71
		369	854.26	261.09	-57.71	3.10	200.29	-125.25	119.75	70.79	75.58	114.96	-14.54
		374	754.94	272.79	-16.06	56.45	200.29	-125.25	101.71	62.62	64.05	100.28	-7.34
		382	787.94	382.42	-15.46	92.77	274.19	-177.06	96.96	60.29	60.62	96.62	3.50
96	5	370	888.04	387.73	-52.73	50.43	284.57	-186.53	109.29	67.36	67.61	109.03	-3.26
		369	862.58	291.22	-54.14	18.16	218.92	-140.51	116.18	65.43	69.12	112.50	-13.17
		374	768.96	303.37	-14.87	69.58	218.92	-140.51	99.91	58.34	59.35	98.91	-6.39
		382	796.06	400.92	-14.50	101.85	284.57	-186.53	95.77	57.52	57.84	95.45	3.51
96	6	370	856.29	368.24	-52.00	44.15	272.09	-176.52	106.22	65.41	65.65	105.97	-3.17
		369	832.17	278.17	-53.47	13.98	210.71	-133.49	112.56	63.53	66.96	109.13	-12.50
		374	741.36	289.83	-14.53	64.58	210.71	-133.49	96.68	56.75	57.73	95.70	-6.17
		382	766.96	380.96	-14.12	94.75	272.09	-176.52	92.82	56.15	56.43	92.54	3.16
96	7	370	821.39	336.02	-52.80	33.07	250.15	-161.30	104.75	66.36	66.63	104.47	-3.21
		369	795.05	244.36	-54.62	2.27	187.47	-117.35	111.26	64.34	67.99	107.62	-12.56
		374	705.07	255.52	-14.92	53.13	187.47	-117.35	95.20	57.64	58.71	94.13	-6.23
		382	732.94	348.49	-14.40	83.94	250.15	-161.30	91.27	57.06	57.35	90.99	3.12
96	8	370	690.05	292.00	-49.11	26.05	216.85	-141.38	84.18	47.99	48.71	83.46	-5.03
		369	663.63	219.06	-50.53	1.54	166.99	-106.42	88.83	45.71	48.81	85.74	-11.13
		374	597.29	229.38	-14.54	47.85	166.99	-106.42	77.45	41.69	43.04	76.10	-6.81
		382	624.58	303.37	-14.16	72.36	216.85	-141.38	73.84	42.92	42.93	73.83	-0.70
96	9	370	608.83	259.82	-39.61	26.99	193.22	-124.53	75.83	46.57	46.71	75.68	-2.05
		369	585.33	189.07	-40.97	3.23	144.87	-90.64	80.22	45.30	47.62	77.90	-8.69
		374	520.79	197.39	-11.56	40.95	144.87	-90.64	68.96	40.42	41.05	68.33	-4.20
		382	545.23	269.09	-11.16	64.71	193.22	-124.53	66.33	39.92	40.14	66.11	2.44
96	10	370	621.98	259.85	-43.25	23.27	193.33	-125.45	77.27	45.94	46.37	76.85	-3.62
		369	598.63	192.89	-44.59	0.76	147.54	-93.34	81.47	43.80	46.49	78.78	-9.70
		374	535.90	201.93	-12.68	41.71	147.54	-93.34	70.51	39.70	40.75	69.46	-5.60
		382	560.17	269.86	-12.31	64.21	193.33	-125.45	67.53	40.62	40.62	67.53	0.48
96	11	370	603.54	256.16	-37.18	29.26	189.72	-122.79	75.58	47.07	47.22	75.43	-2.06
		369	585.58	191.76	-38.30	7.67	145.79	-91.99	79.96	45.60	48.01	77.54	-8.78
		374	520.76	199.96	-10.43	43.73	145.79	-91.99	68.54	40.74	41.42	67.86	-4.30
		382	539.82	265.16	-10.12	65.32	189.72	-122.79	65.97	40.40	40.63	65.74	2.42
97	1	282	301.44	158.26	5.23	52.05	111.44	-70.52	36.45	-8.94	-3.83	31.34	14.36
		89	443.30	194.40	5.24	63.94	135.70	-87.51	45.06	-14.42	4.81	25.82	27.82
		91	1020.29	192.62	1.16	58.07	135.70	-87.51	154.92	38.81	57.70	136.03	-42.85
		414	1101.01	156.51	1.11	46.18	111.44	-70.52	168.17	22.43	49.06	141.54	-56.32
97	2	282	249.13	121.62	6.46	37.34	90.74	-51.01	32.38	-4.69	-0.85	28.54	11.29
		89	413.22	181.10	6.64	56.96	130.77	-79.04	44.47	-10.55	9.83	24.09	26.57
		91	1049.62	182.34	9.64	61.21	130.77	-79.04	163.41	44.27	66.72	140.96	-46.59
		414	1114.21	122.79	9.54	41.59	90.74	-51.01	177.05	24.41	56.04	145.41	-61.87
97	3	282	362.85	14.60	-53.85	-27.38	-11.87	33.33	29.50	-29.52	-16.98	16.95	24.15
		89	525.11	57.84	1.88	5.17	54.55	-13.16	56.14	-41.07	2.06	13.01	48.29
		91	1157.80	65.11	38.14	48.70	54.55	-13.16	206.61	58.91	84.21	181.31	-55.65
		414	1329.75	38.30	-34.02	16.15	-11.87	33.33	225.08	25.35	65.17	185.26	-79.80
97	4	282	318.88	7.10	-96.96	-31.94	-57.92	50.38	48.93	-0.87	1.61	46.45	10.82
		89	368.14	7.63	-25.88	-8.39	-9.86	16.74	56.69	-3.06	11.95	41.68	25.92
		91	989.09	4.65	-29.18	-14.67	-9.86	16.74	179.85	48.33	68.94	159.23	-47.82
		414	1175.00	3.27	-99.41	-38.22	-57.92	50.38	193.37	29.23	58.60	164.00	-62.92
97	5	282	263.10	10.47	-6.63	-0.41	4.25	8.23	38.99	-5.44	-1.73	35.29	12.28

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		89	341.86	64.62	8.40	22.34	50.68	-24.28	47.74	-10.32	7.54	29.88	26.80
		91	970.96	61.78	-2.43	8.66	50.68	-24.28	168.67	43.34	64.72	147.29	-47.14
		414	1031.84	7.40	-17.24	-14.09	4.25	8.23	182.59	25.54	55.45	152.69	-61.66
97	6	282	248.60	86.44	6.60	29.39	63.64	-36.06	33.22	-8.73	-3.25	27.74	14.13
		89	398.46	138.65	6.67	46.58	98.73	-60.62	42.51	-15.95	5.00	21.56	28.03
		91	1000.79	135.52	-1.17	35.62	98.73	-60.62	160.79	39.99	61.97	138.81	-46.60
		414	1071.12	83.59	-1.53	18.43	63.64	-36.06	175.14	23.58	53.72	144.99	-60.50
97	7	282	271.93	118.66	3.64	39.17	83.12	-53.14	34.67	-8.06	-2.71	29.32	14.14
		89	406.40	147.50	3.65	48.66	102.49	-66.70	44.12	-14.10	6.11	23.91	27.71
		91	968.19	146.12	0.52	44.15	102.49	-66.70	153.74	39.52	59.03	134.23	-42.98
		414	1055.40	117.30	0.48	34.66	83.12	-53.14	167.03	22.82	50.20	139.64	-56.56
97	8	282	294.09	11.50	-50.68	-25.04	-14.13	30.61	22.34	-24.42	-14.18	12.11	19.33
		89	415.02	41.68	0.23	1.63	40.29	-7.48	44.05	-33.70	1.18	9.17	38.67
		91	907.18	47.11	32.08	38.90	40.29	-7.48	162.77	46.66	66.53	142.90	-43.73
		414	1057.03	32.38	-34.28	12.24	-14.13	30.61	177.36	19.65	51.17	145.84	-63.07
97	9	282	207.49	101.95	3.54	33.51	71.97	-45.29	25.59	-6.33	-2.61	21.87	10.25
		89	308.10	127.18	3.56	41.82	88.92	-57.15	32.02	-10.36	3.68	17.99	19.94
		91	715.98	126.01	0.86	37.95	88.92	-57.15	110.41	27.93	41.51	96.84	-30.58
		414	774.22	100.80	0.82	29.65	71.97	-45.29	119.87	16.06	35.22	100.71	-40.27
97	10	282	229.28	10.69	-17.84	-10.61	3.47	12.41	21.67	-17.71	-9.91	13.88	15.69
		89	353.46	49.98	3.01	9.16	43.83	-15.85	38.13	-25.11	2.15	10.87	31.32
		91	792.08	55.08	21.50	32.74	43.83	-15.85	139.13	39.10	56.24	122.00	-37.69
		414	874.05	21.50	-5.07	12.96	3.47	12.41	151.49	17.68	44.17	125.00	-53.32
97	11	282	178.49	62.04	4.30	20.93	45.42	-26.14	23.80	-6.22	-2.29	19.87	10.13
		89	283.30	96.21	4.35	32.17	68.38	-42.21	30.62	-11.21	3.78	15.63	20.06
		91	705.15	94.28	-0.42	25.48	68.38	-42.21	113.67	28.59	43.88	98.38	-32.66
		414	757.62	60.27	-0.62	14.23	45.42	-26.14	123.74	16.70	37.81	102.63	-42.60
98	1	121	1025.99	202.45	9.59	66.08	145.96	-87.77	161.70	70.69	91.15	141.24	-37.99
		123	1024.38	84.70	9.13	27.20	66.63	-32.24	180.52	67.97	104.67	143.82	-52.76
		124	263.50	80.70	-7.20	6.88	66.63	-32.24	-35.31	-37.20	-36.28	-36.24	-0.95
		77	468.12	196.92	-5.21	45.75	145.96	-87.77	-29.44	-59.18	-49.80	-38.82	13.82
98	2	121	1039.98	184.19	12.56	48.36	148.38	-69.74	167.34	71.79	90.64	148.48	-38.03
		123	1010.99	55.36	2.24	2.61	55.00	-4.37	184.95	68.26	102.92	150.30	-53.32
		124	216.86	55.28	-13.55	-13.27	55.00	-4.37	-27.57	-37.38	-36.76	-28.18	-2.38
		77	415.06	181.11	-0.24	32.49	148.38	-69.74	-23.48	-55.56	-49.03	-30.00	12.91
98	3	121	1044.60	155.82	9.23	26.68	138.37	-47.47	173.30	74.52	90.34	157.47	-36.23
		123	996.45	47.12	-27.55	-21.17	40.73	20.88	188.17	67.58	99.01	156.74	-52.93
		124	228.95	46.44	-35.63	-29.92	40.73	20.88	-14.02	-38.23	-36.55	-15.69	-6.15
		77	326.37	154.83	1.47	17.93	138.37	-47.47	-11.65	-48.53	-45.21	-14.97	10.55
98	4	121	1112.36	202.52	28.13	80.08	150.57	-79.75	179.86	89.89	118.17	151.59	-41.77
		123	1155.40	108.96	27.91	49.24	87.63	-35.69	204.34	96.32	144.05	156.61	-53.64
		124	290.30	101.77	-2.44	11.71	87.63	-35.69	-20.55	-43.68	-23.12	-41.11	-7.27
		77	432.09	192.88	0.24	42.55	150.57	-79.75	-42.73	-52.40	-49.01	-46.13	4.61
98	5	121	1052.25	247.02	5.44	89.86	162.59	-115.19	160.06	75.31	94.01	141.36	-35.14
		123	1093.69	178.36	5.39	67.27	116.48	-82.91	177.59	71.18	106.57	142.20	-50.13
		124	295.16	171.23	-9.09	45.65	116.48	-82.91	-27.52	-36.22	-32.28	-31.46	-4.33
		77	465.66	239.89	-9.06	68.24	162.59	-115.19	-26.20	-50.93	-44.83	-32.30	10.66
98	6	121	996.90	233.52	-11.28	85.24	137.00	-119.63	152.42	70.18	84.61	137.99	-31.28
		123	1059.18	190.63	-11.52	71.06	108.04	-99.37	167.36	61.51	91.93	136.94	-47.90
		124	325.48	185.18	-19.96	57.17	108.04	-99.37	-29.74	-38.82	-38.35	-30.22	-2.03
		77	487.47	228.23	-19.88	71.36	137.00	-119.63	-20.66	-54.17	-45.66	-29.17	14.59
98	7	121	968.94	203.58	3.41	78.94	128.06	-97.03	152.12	70.93	86.54	136.50	-32.00
		123	1013.92	143.61	3.19	59.14	87.66	-68.75	167.92	63.42	95.26	136.08	-48.09
		124	288.19	136.09	-9.92	38.51	87.66	-68.75	-31.54	-37.53	-36.74	-32.33	-2.02
		77	452.41	196.29	-9.92	58.31	128.06	-97.03	-23.07	-54.30	-45.46	-31.91	14.07
98	8	121	810.25	118.63	5.83	16.85	107.61	-33.49	134.75	57.25	69.39	122.61	-28.17
		123	776.77	36.62	-30.20	-21.97	28.38	21.96	146.08	51.91	75.96	122.02	-41.07
		124	182.94	35.97	-35.21	-27.63	28.38	21.96	-9.44	-29.68	-28.36	-10.76	-5.00
		77	244.10	118.10	0.70	11.19	107.61	-33.49	-7.86	-37.24	-34.94	-10.16	7.90
98	9	121	720.47	142.25	6.61	48.20	100.67	-62.54	113.75	50.64	64.51	99.87	-26.14
		123	725.44	66.15	6.51	23.14	49.52	-26.74	126.73	48.02	73.48	101.27	-36.82
		124	187.61	62.72	-4.68	8.52	49.52	-26.74	-24.38	-26.26	-25.56	-25.09	-0.91
		77	326.95	138.09	-3.85	33.58	100.67	-62.54	-19.94	-41.07	-34.53	-26.48	9.77
98	10	121	729.75	114.69	8.07	26.31	96.45	-40.15	120.18	52.78	64.07	108.89	-25.16
		123	708.50	35.33	-3.93	-3.73	35.14	2.77	130.94	47.85	70.34	108.45	-36.92
		124	152.39	35.30	-12.09	-11.93	35.14	2.77	-12.58	-26.81	-25.71	-13.68	-3.80
		77	247.50	113.38	1.19	18.12	96.45	-40.15	-10.31	-34.90	-31.98	-13.23	7.95
98	11	121	704.30	159.60	-5.06	58.85	95.69	-80.25	108.60	50.36	60.88	98.07	-22.41
		123	744.58	125.27	-5.23	47.50	72.53	-64.04	119.41	44.44	66.40	97.44	-34.12
		124	221.45	121.03	-12.03	36.46	72.53	-64.04	-21.32	-27.13	-26.71	-21.75	-1.51
		77	337.65	155.49	-12.00	47.80	95.69	-80.25	-15.06	-38.29	-32.23	-21.12	10.20
99	1	126	727.70	576.81	12.54	195.15	394.20	-263.99	22.52	-51.44	15.43	-44.35	-21.77

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		127	790.68	502.47	12.54	170.70	344.31	-229.07	30.91	-50.81	10.76	-30.66	-35.22
		128	1667.39	494.11	-5.97	143.84	344.31	-229.07	-27.03	-209.91	-56.45	-180.49	67.19
		140	1895.13	568.39	-5.90	168.28	394.20	-263.99	-15.41	-230.55	-51.78	-194.17	80.64
99	2	126	756.87	582.72	12.55	197.21	398.06	-266.81	22.29	-48.68	12.28	-38.66	-24.71
		127	824.11	504.34	12.54	171.43	345.45	-229.99	33.09	-49.76	7.25	-23.92	-38.38
		128	1669.31	495.92	-6.10	144.36	345.45	-229.99	-28.01	-209.82	-60.05	-177.77	69.27
		140	1907.56	574.23	-6.04	170.14	398.06	-266.81	-16.04	-231.50	-55.03	-192.51	82.95
99	3	126	770.82	531.72	11.18	180.02	362.88	-243.69	25.62	-47.74	8.99	-31.10	-30.72
		127	841.42	457.85	11.18	155.73	313.30	-208.98	40.02	-49.19	4.97	-14.14	-43.57
		128	1597.30	450.10	-5.95	130.85	313.30	-208.98	-26.47	-204.21	-60.70	-169.98	70.09
		140	1833.69	523.91	-5.89	155.14	362.88	-243.69	-16.36	-227.26	-56.68	-186.94	82.93
99	4	126	726.02	439.94	2.26	145.46	296.74	-205.35	32.96	-61.02	21.89	-49.94	-30.30
		127	779.26	384.16	2.26	127.11	259.30	-179.14	45.50	-54.06	23.22	-31.79	-41.49
		128	1623.32	383.69	1.29	125.67	259.30	-179.14	-23.19	-220.86	-51.36	-192.69	69.10
		140	1829.91	439.47	1.29	144.01	296.74	-205.35	-19.08	-244.46	-52.69	-210.85	80.29
99	5	126	702.43	488.08	4.51	162.34	330.25	-226.74	27.70	-52.09	18.43	-42.82	-25.57
		127	767.78	436.76	4.51	145.46	295.81	-202.63	39.64	-46.91	19.03	-26.31	-36.86
		128	1611.42	434.10	-1.10	137.20	295.81	-202.63	-24.36	-210.20	-53.58	-180.98	67.66
		140	1808.67	485.42	-1.09	154.08	330.25	-226.74	-19.22	-232.46	-54.18	-197.49	78.95
99	6	126	647.49	461.04	4.90	153.64	312.30	-213.83	24.09	-50.10	16.36	-42.38	-22.66
		127	716.22	414.50	4.90	138.33	281.07	-191.97	35.38	-45.14	16.68	-26.44	-34.00
		128	1584.70	411.39	-1.71	128.61	281.07	-191.97	-24.81	-209.23	-55.18	-178.86	68.40
		140	1775.49	457.91	-1.70	143.91	312.30	-213.83	-19.27	-231.02	-55.50	-194.80	79.74
99	7	126	630.39	431.29	4.95	143.88	292.36	-199.83	24.99	-52.04	17.44	-44.48	-22.91
		127	694.43	382.97	4.95	127.99	259.93	-177.12	35.97	-46.78	17.68	-28.49	-34.33
		128	1568.33	379.87	-1.64	118.31	259.93	-177.12	-24.49	-211.61	-54.45	-181.65	68.63
		140	1761.56	428.19	-1.63	134.20	292.36	-199.83	-18.86	-233.48	-54.70	-197.64	80.05
99	8	126	605.46	418.18	9.14	141.76	285.56	-191.46	19.82	-36.47	6.17	-22.81	-24.12
		127	660.39	359.38	9.14	122.43	246.10	-163.84	31.16	-38.24	2.68	-9.76	-34.14
		128	1231.18	353.02	-4.97	101.95	246.10	-163.84	-20.54	-156.34	-47.23	-129.65	53.97
		140	1416.27	411.76	-4.92	121.28	285.56	-191.46	-12.34	-174.10	-43.74	-142.70	63.98
99	9	126	502.34	386.61	7.72	130.49	263.85	-177.32	16.52	-36.73	11.32	-31.54	-15.81
		127	547.26	337.60	7.72	114.37	230.96	-154.29	22.94	-35.53	8.80	-21.39	-25.03
		128	1169.50	332.48	-3.54	97.99	230.96	-154.29	-18.77	-149.56	-39.77	-128.56	48.02
		140	1326.30	381.46	-3.50	114.11	263.85	-177.32	-11.49	-164.47	-37.25	-138.70	57.25
99	10	126	524.53	361.57	6.97	122.09	246.45	-166.04	17.98	-34.42	7.74	-24.18	-20.78
		127	573.62	312.82	6.96	106.05	213.73	-143.14	27.67	-34.29	5.59	-12.21	-29.67
		128	1130.26	308.03	-3.53	90.77	213.73	-143.14	-18.50	-146.36	-42.13	-122.72	49.63
		140	1291.96	356.75	-3.50	106.80	246.45	-166.04	-12.05	-162.62	-39.98	-134.69	58.53
99	11	126	458.43	322.30	3.48	107.43	218.35	-149.45	17.39	-36.00	11.84	-30.44	-16.30
		127	506.26	288.73	3.48	96.39	195.82	-133.68	25.43	-32.38	12.09	-19.04	-24.36
		128	1123.55	286.53	-1.18	89.53	195.82	-133.68	-17.53	-149.18	-39.07	-127.65	48.70
		140	1259.86	320.09	-1.18	100.57	218.35	-149.45	-13.64	-164.73	-39.32	-139.05	56.75
100	1	477	1266.77	353.54	-11.11	97.06	245.37	-166.56	228.24	129.77	184.21	173.80	48.96
		121	935.78	197.27	-11.44	45.56	140.27	-92.99	146.96	74.31	83.89	137.38	-24.58
		77	766.17	198.76	-7.57	50.92	140.27	-92.99	49.13	-62.19	27.38	-40.44	44.14
		138	1725.29	355.15	-7.36	102.42	245.37	-166.56	196.70	-73.01	127.70	-4.02	117.68
100	2	477	1294.61	349.40	-20.06	73.72	255.62	-160.79	231.94	135.45	184.74	182.65	48.23
		121	967.19	178.42	-22.26	16.77	139.39	-79.43	154.51	70.95	80.78	144.67	-26.93
		77	715.86	180.64	-13.55	27.70	139.39	-79.43	47.04	-56.65	25.44	-35.05	42.11
		138	1715.11	352.23	-11.96	84.65	255.62	-160.79	199.40	-67.08	129.39	2.93	117.28
100	3	477	1331.47	317.80	-30.40	44.09	243.30	-142.79	238.88	143.20	186.66	195.42	47.64
		121	1005.88	149.22	-36.07	-13.21	126.36	-60.93	163.58	61.79	72.42	152.96	-31.13
		77	617.15	151.64	-20.47	4.81	126.36	-60.93	43.11	-46.46	23.50	-26.86	37.03
		138	1680.98	321.82	-16.40	62.11	243.30	-142.79	207.59	-54.24	137.74	15.61	115.80
100	4	477	1444.79	282.05	-2.73	98.73	180.59	-136.38	267.99	152.02	220.99	199.03	56.94
		121	1018.78	197.30	-2.83	70.83	123.64	-96.52	164.26	92.78	104.98	152.06	-26.90
		77	801.13	189.08	-18.73	46.70	123.64	-96.52	58.21	-62.93	42.58	-47.30	40.61
		138	1817.08	273.91	-18.72	74.61	180.59	-136.38	226.78	-68.52	158.59	-0.33	124.45
100	5	477	1292.85	328.04	-3.04	115.07	209.93	-158.60	234.82	134.05	190.12	178.75	50.06
		121	978.65	244.26	-3.14	87.49	153.63	-119.19	147.67	67.07	77.47	137.27	-27.02
		77	764.67	242.36	-6.48	82.25	153.63	-119.19	49.39	-56.47	31.05	-38.13	40.06
		138	1723.82	326.19	-6.43	109.83	209.93	-158.60	210.09	-63.04	143.70	3.35	117.15
100	6	477	1238.96	311.56	0.11	112.39	199.28	-149.54	225.98	125.57	179.36	172.18	50.08
		121	932.84	231.70	-8.09e-03	86.09	145.60	-111.97	140.61	57.02	65.87	131.76	-25.72
		77	743.09	233.82	3.49	91.71	145.60	-111.97	46.18	-57.63	25.22	-36.67	41.68
		138	1690.41	313.61	3.68	118.01	199.28	-149.54	206.70	-64.24	138.71	3.75	117.47
100	7	477	1230.52	278.41	-2.04	103.47	172.91	-135.86	226.89	125.96	181.69	171.16	50.19
		121	899.66	201.19	-2.30	77.98	120.91	-99.46	140.01	59.30	68.57	130.74	-25.73
		77	728.50	200.04	-4.10	75.04	120.91	-99.46	47.09	-59.17	26.82	-38.89	41.75
		138	1679.41	277.31	-3.88	100.52	172.91	-135.86	207.24	-65.78	139.93	1.53	117.67
100	8	477	1030.55	249.55	-26.21	29.86	193.49	-110.98	183.99	111.03	143.25	151.77	36.23

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		121	783.15	113.55	-31.88	-16.73	98.41	-44.42	127.39	47.16	55.46	119.09	-24.43
		77	465.78	115.36	-17.99	-1.03	98.41	-44.42	32.53	-34.80	17.44	-19.71	28.08
		138	1290.88	252.89	-13.85	45.56	193.49	-110.98	159.12	-40.91	105.24	12.97	88.74
100	9	477	897.83	238.18	-6.51	69.00	162.67	-113.03	162.85	92.08	131.28	123.66	35.18
		121	659.69	138.69	-6.59	36.26	95.84	-66.25	103.75	51.14	57.89	97.01	-17.59
		77	538.33	139.40	-4.92	38.64	95.84	-66.25	34.94	-43.63	19.76	-28.45	31.02
		138	1220.61	238.92	-4.87	71.38	162.67	-113.03	141.98	-50.63	93.15	-1.81	83.79
100	10	477	932.11	217.52	-16.42	39.58	161.52	-99.82	168.63	99.67	132.64	135.67	34.45
		121	697.22	110.14	-18.42	3.61	88.11	-48.44	112.99	44.18	51.51	105.66	-21.23
		77	455.35	111.85	-10.72	13.03	88.11	-48.44	31.57	-34.87	17.61	-20.91	27.07
		138	1196.46	219.84	-9.33	48.99	161.52	-99.82	148.02	-40.19	98.73	9.10	82.74
100	11	477	882.86	215.05	-0.47	77.52	137.06	-103.57	161.59	89.75	128.59	122.76	35.80
		121	658.01	158.15	-0.57	58.77	98.80	-76.79	100.23	41.53	47.87	93.89	-18.22
		77	525.33	159.10	1.00	61.30	98.80	-76.79	33.29	-41.09	18.56	-26.36	29.65
		138	1201.62	215.97	1.13	80.05	137.06	-103.57	147.54	-45.76	99.27	2.51	83.67
101	1	123	1045.13	84.30	14.72	36.71	62.31	-32.35	178.68	44.04	82.34	140.38	-60.75
		129	1127.30	14.78	-2.13	8.31	4.35	8.22	192.98	13.81	66.04	140.76	-81.42
		139	70.39	8.09	-13.72	-9.99	4.35	8.22	5.49	-6.96	-4.68	3.21	-4.82
		124	236.17	79.45	1.27	18.41	62.31	-32.35	23.68	-9.23	11.62	2.83	15.86
101	2	123	1023.01	42.92	15.92	21.28	37.56	-10.77	182.83	47.51	82.67	147.67	-59.35
		129	1203.38	16.72	-60.32	-12.41	-31.20	37.36	196.15	14.11	64.11	146.15	-81.25
		139	170.44	6.17	-68.55	-31.18	-31.20	37.36	13.00	-9.01	-6.17	10.16	-7.38
		124	180.66	40.61	-0.54	2.51	37.56	-10.77	26.56	-2.50	12.39	11.67	14.52
101	3	123	992.94	19.33	-1.09	5.25	12.98	9.45	185.23	52.39	82.60	155.01	-55.68
		129	1250.22	17.05	-108.96	-30.97	-60.94	61.20	196.37	14.62	60.68	150.30	-79.06
		139	293.90	6.90	-116.14	-48.30	-60.94	61.20	25.36	-11.23	-6.79	20.92	-11.95
		124	197.80	16.15	-15.24	-12.08	12.98	9.45	32.95	7.81	15.13	25.63	11.42
101	4	123	1163.24	113.96	31.57	71.47	74.06	-41.17	197.49	52.57	104.08	145.98	-69.36
		129	1239.31	43.81	17.34	43.72	17.43	-1.53	211.91	16.34	84.29	143.96	-93.12
		139	170.07	17.50	-15.73	-15.66	17.43	-1.53	17.52	-13.44	6.88	-2.80	-14.71
		124	259.04	94.60	-8.45	12.09	74.06	-41.17	29.39	-3.50	26.68	-0.78	9.05
101	5	123	1107.64	180.98	17.56	76.93	121.61	-78.59	174.30	46.44	83.31	137.43	-57.92
		129	1187.19	113.84	17.41	54.81	76.45	-46.98	187.06	14.15	65.39	135.83	-78.95
		139	200.49	104.14	-3.28	24.41	76.45	-46.98	11.49	-7.26	-1.78	6.01	-8.53
		124	288.02	171.17	-3.02	46.54	121.61	-78.59	25.09	-1.34	16.15	7.60	12.51
101	6	123	1073.92	190.84	6.49	69.11	128.21	-87.31	165.19	42.42	73.87	133.74	-53.59
		129	1170.19	144.62	6.48	53.91	97.18	-65.59	177.68	12.81	57.42	133.07	-73.25
		139	213.31	141.22	-0.52	43.52	97.18	-65.59	9.36	-7.52	-6.41	8.25	-4.19
		124	320.92	187.43	-0.51	58.72	128.21	-87.31	24.95	-6.00	10.04	8.92	15.46
101	7	123	1025.96	143.59	10.86	58.94	95.52	-63.79	165.48	43.75	76.35	132.88	-53.90
		129	1123.68	98.47	10.78	44.07	65.18	-42.56	177.94	12.76	58.99	131.71	-74.16
		139	160.85	92.39	-1.38	25.83	65.18	-42.56	7.60	-7.06	-5.29	5.83	-4.77
		124	281.41	137.54	-1.33	40.69	95.52	-63.79	25.22	-6.15	12.07	7.00	15.48
101	8	123	779.50	14.75	-9.90	0.17	4.68	12.11	143.83	40.76	63.71	120.88	-42.88
		129	982.70	13.39	-98.05	-29.27	-55.39	54.17	152.28	11.31	46.56	117.03	-61.05
		139	248.11	5.82	-103.33	-42.12	-55.39	54.17	20.84	-9.00	-5.50	17.34	-9.61
		124	158.73	10.91	-18.90	-12.68	4.68	12.11	26.22	6.62	11.65	21.19	8.56
101	9	123	738.58	66.26	10.22	28.86	47.62	-26.41	125.28	31.48	57.96	98.79	-42.22
		129	789.30	10.62	10.09	10.52	10.19	-0.20	135.15	9.72	46.12	98.75	-56.92
		139	56.67	10.19	-2.99	-2.98	10.19	-0.20	4.37	-4.96	-3.25	2.66	-3.61
		124	171.33	62.43	0.55	15.36	47.62	-26.41	17.13	-5.83	8.59	2.70	11.09
101	10	123	708.22	21.25	10.36	11.39	20.22	-3.18	128.87	36.16	58.11	106.92	-39.41
		129	845.79	11.46	-48.84	-11.30	-26.08	29.23	137.00	10.19	43.14	104.05	-55.61
		139	164.83	4.07	-54.42	-24.27	-26.08	29.23	15.39	-7.31	-4.42	12.50	-7.57
		124	128.82	20.67	-2.04	-1.58	20.22	-3.18	21.92	4.00	10.54	15.37	8.63
101	11	123	754.49	125.48	5.62	46.87	84.23	-56.94	117.77	30.58	53.25	95.10	-38.25
		129	822.47	92.01	5.61	35.86	61.76	-41.21	126.64	9.17	41.33	94.48	-52.38
		139	141.00	89.03	-0.53	26.74	61.76	-41.21	6.46	-5.21	-4.21	5.46	-3.26
		124	218.03	122.49	-0.51	37.75	84.23	-56.94	17.80	-4.00	7.71	6.08	10.87
102	1	127	700.90	504.29	25.89	142.80	387.38	-205.57	59.53	-8.10	53.50	-2.08	-19.27
		130	767.70	343.83	23.75	89.33	278.25	-129.19	112.45	10.30	108.86	13.89	-18.81
		74	1333.99	345.70	30.83	98.28	278.25	-129.19	-84.23	-199.78	-87.18	-196.83	18.24
		128	1549.27	506.51	32.62	151.75	387.38	-205.57	-138.30	-217.04	-142.55	-212.80	17.78
102	2	127	722.75	505.98	26.78	142.37	390.40	-205.01	61.79	0.46	54.41	7.84	-19.95
		130	775.67	336.21	24.26	85.71	274.76	-124.07	114.90	19.42	110.46	23.86	-20.11
		74	1315.25	339.10	35.51	99.85	274.76	-124.07	-88.48	-197.66	-91.82	-194.32	18.81
		128	1549.24	509.47	37.44	156.51	390.40	-205.01	-142.55	-215.65	-147.86	-210.34	18.97
102	3	127	730.36	459.50	24.91	128.44	355.97	-185.14	67.70	11.27	56.94	22.03	-22.17
		130	784.02	300.23	22.32	75.21	247.34	-109.09	118.43	30.73	111.50	37.66	-23.66
		74	1243.59	303.14	34.09	89.89	247.34	-109.09	-90.11	-190.01	-93.74	-186.38	18.70
		128	1479.00	463.09	36.01	143.13	355.97	-185.14	-141.57	-208.76	-148.31	-202.02	20.18
102	4	127	735.02	384.88	12.42	126.53	270.76	-171.70	71.24	-15.50	59.73	-3.99	-29.43

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		130	856.78	271.32	12.32	89.16	194.48	-118.30	123.75	6.37	115.89	14.23	-29.33
		74	1318.15	272.67	15.48	93.67	194.48	-118.30	-82.68	-211.34	-85.19	-208.83	17.80
		128	1502.80	386.27	15.54	131.05	270.76	-171.70	-137.83	-230.57	-141.35	-227.05	17.71
102	5	127	720.40	437.50	12.95	137.80	312.66	-193.44	64.72	-8.92	55.47	0.33	-24.41
		130	833.84	333.02	12.75	103.37	242.40	-144.26	117.22	12.13	111.59	17.76	-23.67
		74	1312.28	332.83	12.27	102.69	242.40	-144.26	-82.45	-199.79	-85.31	-196.93	18.10
		128	1489.11	437.30	12.47	137.12	312.66	-193.44	-137.52	-218.28	-141.44	-214.36	17.35
102	6	127	667.18	415.16	12.28	128.20	299.24	-182.39	60.64	-7.68	53.11	-0.15	-21.40
		130	791.85	318.65	12.03	96.38	234.30	-136.93	113.38	12.51	109.01	16.89	-20.55
		74	1295.26	318.45	11.50	95.65	234.30	-136.93	-83.07	-198.27	-86.41	-194.93	19.33
		128	1465.38	414.95	11.76	127.48	299.24	-182.39	-137.71	-216.56	-142.31	-211.96	18.48
102	7	127	644.37	383.67	12.56	118.11	278.13	-167.42	61.64	-9.48	54.25	-2.09	-21.70
		130	777.66	283.75	12.24	85.14	210.85	-120.33	114.71	10.68	110.35	15.04	-20.85
		74	1281.27	283.68	12.04	84.87	210.85	-120.33	-82.58	-200.98	-85.83	-197.73	19.35
		128	1452.37	383.60	12.37	117.84	278.13	-167.42	-137.51	-219.28	-141.94	-214.86	18.50
102	8	127	570.81	360.83	20.08	99.90	281.01	-144.31	52.43	10.21	43.84	18.80	-16.99
		130	604.55	233.76	17.79	57.36	194.20	-83.54	91.15	25.08	85.58	30.65	-18.35
		74	954.03	236.16	27.86	69.82	194.20	-83.54	-69.97	-145.14	-72.80	-142.32	14.29
		128	1140.04	363.83	29.54	112.36	281.01	-144.31	-109.11	-159.60	-114.54	-154.17	15.64
102	9	127	489.09	338.63	16.47	97.39	257.71	-139.72	42.86	-5.87	38.32	-1.33	-14.16
		130	547.53	233.49	15.31	62.43	186.36	-89.78	80.56	7.55	77.87	10.24	-13.76
		74	939.21	234.59	19.24	67.47	186.36	-89.78	-59.54	-142.24	-61.69	-140.09	13.17
		128	1085.78	339.91	20.23	102.43	257.71	-139.72	-98.19	-154.72	-101.24	-151.67	12.77
102	10	127	502.92	313.72	15.96	89.42	240.26	-128.36	47.29	5.00	40.23	12.06	-15.77
		130	554.50	209.17	14.61	54.59	169.19	-78.61	83.82	18.97	79.33	23.45	-16.45
		74	888.75	210.92	21.08	62.81	169.19	-78.61	-62.81	-136.81	-65.34	-134.29	13.42
		128	1046.56	315.79	22.11	97.63	240.26	-128.36	-100.08	-150.04	-104.44	-145.68	14.10
102	11	127	471.05	289.21	8.82	89.28	208.74	-126.84	43.48	-5.65	38.10	-0.26	-15.35
		130	561.12	219.67	8.62	66.35	161.94	-94.08	81.08	8.77	77.95	11.91	-14.72
		74	917.65	219.58	8.38	66.01	161.94	-94.08	-58.89	-141.40	-61.26	-139.03	13.77
		128	1039.20	289.11	8.57	88.94	208.74	-126.84	-97.87	-154.44	-101.11	-151.20	13.15
103	1	422	1134.18	230.21	-9.69	131.47	89.06	-118.06	184.21	95.93	113.35	166.79	-35.14
		423	1163.89	254.39	-8.10	139.94	106.35	-130.17	170.16	41.05	87.92	123.29	-62.08
		425	1805.74	229.98	-30.70	92.93	106.35	-130.17	200.09	-95.84	10.25	94.01	-141.91
		269	1615.51	204.84	-31.32	84.46	89.06	-118.06	212.33	-39.14	35.68	137.51	-114.97
103	2	422	1115.48	205.08	-10.57	112.31	82.21	-106.77	184.95	95.64	110.65	169.94	-33.40
		423	1126.71	223.74	-9.50	118.79	95.45	-116.03	168.15	38.52	81.73	124.94	-61.11
		425	1808.63	205.52	-26.87	83.20	95.45	-116.03	207.82	-92.42	11.72	103.68	-142.90
		269	1627.76	186.26	-27.34	76.72	82.21	-106.77	221.88	-32.57	40.64	148.68	-115.19
103	3	422	1099.63	232.66	-20.10	121.88	90.68	-125.41	177.28	90.55	105.18	162.65	-32.48
		423	1138.96	265.84	-18.40	133.35	114.08	-141.80	162.13	37.17	79.21	120.10	-59.04
		425	1767.97	252.22	-31.47	106.67	114.08	-141.80	192.14	-93.32	5.88	92.95	-135.93
		269	1572.46	218.37	-32.49	95.20	90.68	-125.41	204.70	-37.35	31.85	135.50	-109.37
103	4	422	1086.39	205.71	-16.15	110.46	79.10	-109.82	178.22	93.03	110.56	160.69	-34.43
		423	1127.96	239.62	-14.32	122.21	103.09	-126.61	165.04	39.38	85.73	118.69	-60.63
		425	1741.49	225.65	-27.70	94.86	103.09	-126.61	192.61	-92.51	10.57	89.53	-136.99
		269	1544.18	190.94	-28.73	83.10	79.10	-109.82	204.23	-37.30	35.40	131.53	-110.79
103	5	422	1094.69	196.25	-19.57	103.33	73.35	-106.86	181.13	94.93	113.40	162.66	-35.37
		423	1141.90	238.17	-17.41	117.82	102.93	-127.58	168.19	42.14	89.60	120.73	-61.07
		425	1769.38	227.99	-27.22	97.84	102.93	-127.58	198.03	-91.43	13.84	92.76	-139.24
		269	1569.53	185.32	-28.64	83.34	73.35	-106.86	209.64	-37.31	37.64	134.69	-113.54
103	6	422	1125.80	220.14	-16.54	120.65	82.95	-116.82	184.02	95.58	112.94	166.66	-35.12
		423	1168.75	256.72	-14.41	133.38	108.93	-135.01	169.88	40.77	87.47	123.18	-62.03
		425	1814.07	240.15	-29.98	101.24	108.93	-135.01	200.20	-95.80	10.14	94.26	-141.90
		269	1611.26	202.59	-31.13	88.51	82.95	-116.82	212.50	-39.14	35.61	137.75	-114.99
103	7	422	1089.48	220.67	-10.58	125.33	84.76	-113.83	177.24	92.04	108.18	161.10	-33.39
		423	1120.80	247.31	-8.86	134.66	103.79	-127.15	163.22	38.77	83.11	118.89	-59.60
		425	1743.58	225.01	-29.59	91.62	103.79	-127.15	192.61	-92.78	8.77	91.06	-136.64
		269	1555.53	197.37	-30.31	82.30	84.76	-113.83	204.66	-37.55	33.85	133.26	-110.43
103	8	422	851.03	182.56	-16.24	95.13	71.19	-98.68	136.89	69.44	80.44	125.89	-24.92
		423	883.26	208.72	-14.92	104.16	89.64	-111.59	125.05	28.01	60.09	92.97	-45.65
		425	1363.06	198.53	-24.71	84.19	89.64	-111.59	146.93	-72.65	3.16	71.12	-104.40
		269	1209.34	171.87	-25.53	75.15	71.19	-98.68	156.63	-29.08	23.52	104.03	-83.67
103	9	422	794.35	159.30	-7.00	90.71	61.59	-81.87	129.26	67.61	79.95	116.92	-24.67
		423	814.37	176.71	-5.87	96.81	74.03	-90.58	119.38	29.27	62.26	86.38	-43.41
		425	1271.96	160.12	-21.27	64.82	74.03	-90.58	141.87	-66.74	8.24	66.90	-100.10
		269	1140.08	142.04	-21.72	58.73	61.59	-81.87	150.55	-27.19	25.93	97.43	-81.36
103	10	422	775.00	160.65	-12.77	85.39	62.49	-85.95	125.38	64.65	75.41	114.62	-23.19
		423	800.28	183.06	-11.58	93.15	78.33	-97.04	114.90	27.14	57.42	84.61	-41.72
		425	1250.94	172.47	-21.69	72.45	78.33	-97.04	137.45	-65.33	5.81	66.31	-96.77
		269	1116.14	149.55	-22.37	64.69	62.49	-85.95	146.30	-26.18	23.80	96.32	-78.25
103	11	422	789.67	153.71	-10.81	84.70	58.20	-81.18	129.16	67.42	79.72	116.85	-24.66

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		423	817.03	178.00	-9.37	93.16	75.46	-93.27	119.22	29.11	62.02	86.32	-43.38
		425	1276.60	165.76	-20.86	69.44	75.46	-93.27	141.93	-66.72	8.18	67.04	-100.09
		269	1137.72	140.78	-21.60	60.98	58.20	-81.18	150.64	-27.19	25.89	97.56	-81.37
104	1	421	1915.97	93.75	11.34	35.09	70.00	-37.32	297.59	-16.44	155.89	125.26	-156.27
		426	1961.34	83.54	11.32	31.72	63.14	-32.52	324.11	18.32	195.19	147.24	-151.00
		428	1165.85	78.25	-6.83	8.28	63.14	-32.52	152.97	-55.21	87.32	10.44	-96.74
		322	1163.85	88.20	-6.55	11.64	70.00	-37.32	124.50	-88.02	48.03	-11.54	-102.00
104	2	421	1932.15	86.32	10.32	32.30	64.34	-34.46	300.01	-18.59	150.68	130.74	-158.99
		426	1967.92	74.18	10.30	28.30	56.18	-28.74	326.14	17.84	189.99	153.99	-153.10
		428	1141.25	69.42	-6.20	7.04	56.18	-28.74	153.88	-48.73	86.05	19.09	-95.61
		322	1147.72	81.25	-5.87	11.04	64.34	-34.46	125.94	-83.36	46.74	-4.16	-101.51
104	3	421	1836.21	89.57	9.68	33.65	65.61	-36.61	285.43	-14.90	148.01	122.53	-149.62
		426	1867.26	68.16	9.65	26.59	51.22	-26.53	310.34	18.08	185.10	143.32	-144.63
		428	1112.30	63.47	-6.25	6.01	51.22	-26.53	148.38	-50.59	83.44	14.35	-93.29
		322	1120.03	84.39	-5.73	13.06	65.61	-36.61	121.72	-81.81	46.35	-6.44	-98.29
104	4	421	1847.37	94.29	11.72	35.26	70.74	-37.28	286.41	-15.95	150.51	119.94	-150.41
		426	1891.51	84.98	11.69	32.19	64.48	-32.89	311.95	17.52	188.42	141.05	-145.30
		428	1128.98	79.64	-6.87	8.29	64.48	-32.89	147.75	-53.59	84.56	9.61	-93.44
		322	1126.76	88.71	-6.61	11.36	70.74	-37.28	120.32	-85.17	46.65	-11.50	-98.55
104	5	421	1876.80	89.13	11.10	33.35	66.88	-35.23	291.52	-16.87	151.71	122.94	-153.52
		426	1920.61	80.44	11.08	30.49	61.04	-31.14	317.41	17.54	190.22	144.73	-148.20
		428	1137.73	75.39	-6.51	7.84	61.04	-31.14	150.01	-53.03	85.57	11.41	-94.51
		322	1136.36	83.85	-6.26	10.71	66.88	-35.23	122.22	-85.55	47.06	-10.39	-99.83
104	6	421	1915.86	93.15	11.41	34.85	69.71	-36.96	297.74	-16.33	155.88	125.53	-156.30
		426	1962.96	84.93	11.39	32.14	64.18	-33.09	324.24	18.45	195.19	147.51	-151.03
		428	1167.22	79.60	-6.84	8.58	64.18	-33.09	153.16	-55.04	87.34	10.78	-96.81
		322	1163.75	87.61	-6.61	11.29	69.71	-36.96	124.71	-87.88	48.03	-11.20	-102.08
104	7	421	1843.56	90.33	10.99	33.79	67.53	-35.90	286.47	-15.55	149.74	121.18	-150.33
		426	1887.92	82.23	10.97	31.12	62.09	-32.09	311.80	17.87	187.46	142.21	-145.22
		428	1127.60	77.07	-6.63	8.36	62.09	-32.09	148.40	-52.40	84.33	11.67	-93.60
		322	1124.85	84.97	-6.41	11.02	67.53	-35.90	121.23	-83.98	46.61	-9.36	-98.72
104	8	421	1411.77	69.65	7.43	26.17	50.91	-28.54	219.37	-11.38	114.12	93.87	-114.93
		426	1435.76	52.13	7.41	20.40	39.14	-20.30	238.64	13.84	142.63	109.85	-111.20
		428	852.36	48.52	-4.84	4.54	39.14	-20.30	113.20	-39.55	63.84	9.81	-71.44
		322	858.21	65.63	-4.42	10.30	50.91	-28.54	92.57	-63.40	35.33	-6.16	-75.18
104	9	421	1349.88	65.20	7.90	24.40	48.70	-25.95	209.78	-11.57	109.35	88.87	-110.20
		426	1380.69	58.24	7.89	22.11	44.02	-22.67	228.28	13.03	136.98	104.34	-106.38
		428	824.33	54.55	-4.76	5.78	44.02	-22.67	108.94	-37.94	61.86	9.15	-68.55
		322	823.76	61.34	-4.56	8.07	48.70	-25.95	89.10	-61.20	34.22	-6.32	-72.37
104	10	421	1305.60	62.88	6.98	23.60	46.26	-25.55	203.03	-10.71	104.97	87.35	-106.51
		426	1328.46	49.69	6.96	19.26	37.40	-19.34	220.64	12.90	131.38	102.16	-102.84
		428	794.69	46.34	-4.43	4.52	37.40	-19.34	106.40	-35.38	59.70	11.32	-66.64
		322	799.55	59.22	-4.10	8.86	46.26	-25.55	87.57	-57.77	33.29	-3.49	-70.30
104	11	421	1349.82	64.87	7.94	24.27	48.54	-25.75	209.86	-11.51	109.34	89.02	-110.22
		426	1381.60	59.01	7.93	22.34	44.60	-22.99	228.36	13.11	136.98	104.49	-106.39
		428	825.11	55.31	-4.76	5.95	44.60	-22.99	109.05	-37.84	61.87	9.34	-68.59
		322	823.72	61.02	-4.60	7.88	48.54	-25.75	89.22	-61.13	34.22	-6.13	-72.41
105	1	176	1428.56	178.52	-88.58	170.76	-80.83	-44.86	236.06	211.85	235.12	212.79	4.67
		422	1133.61	296.26	-25.35	230.27	40.64	-129.88	169.86	26.85	56.59	140.13	-58.04
		269	1465.32	223.88	-51.42	131.82	40.64	-129.88	244.52	119.10	174.91	188.70	-62.33
		320	1940.37	84.48	-93.00	72.31	-80.83	-44.86	353.44	261.37	353.44	261.37	0.38
105	2	176	1402.09	152.21	-83.06	145.99	-76.84	-37.75	230.62	216.94	230.19	217.37	2.39
		422	1143.54	263.47	-23.90	202.03	37.53	-117.82	172.78	17.90	47.95	142.72	-61.25
		269	1474.81	203.99	-45.85	120.61	37.53	-117.82	249.24	112.87	169.64	192.47	-67.22
		320	1937.25	74.01	-86.29	64.56	-76.84	-37.75	352.03	266.97	351.87	267.12	-3.58
105	3	176	1348.55	165.09	-100.45	158.06	-93.41	-42.64	222.96	204.19	221.78	205.37	4.55
		422	1105.42	297.14	-31.99	223.99	41.15	-136.84	162.97	22.11	49.35	135.72	-55.63
		269	1425.79	241.62	-52.25	148.22	41.15	-136.84	234.68	114.53	164.93	184.28	-59.29
		320	1863.89	92.08	-103.22	82.28	-93.41	-42.64	337.37	253.92	337.36	253.93	0.90
105	4	176	1381.92	169.01	-80.84	161.06	-72.90	-43.84	228.97	203.91	228.24	204.64	4.22
		422	1084.88	273.66	-24.70	213.94	35.01	-119.37	164.39	27.74	56.94	135.19	-56.02
		269	1402.62	206.19	-48.24	122.93	35.01	-119.37	235.63	116.18	170.32	181.48	-59.46
		320	1874.49	82.43	-85.27	70.06	-72.90	-43.84	341.63	250.92	341.62	250.93	0.77
105	5	176	1399.29	163.98	-79.82	156.42	-72.25	-42.28	231.93	208.35	231.38	208.91	3.58
		422	1097.17	264.35	-25.19	207.39	31.77	-115.10	167.99	28.42	58.56	137.86	-57.42
		269	1424.76	199.85	-47.04	121.04	31.77	-115.10	240.71	115.04	172.05	183.70	-62.56
		320	1894.71	81.68	-83.87	70.07	-72.25	-42.28	344.90	254.73	344.87	254.76	-1.56
105	6	176	1427.49	177.45	-87.18	169.27	-79.01	-45.79	235.91	212.00	234.88	213.03	4.85
		422	1126.18	289.72	-26.82	226.04	36.85	-126.89	169.73	26.81	56.35	140.19	-57.88
		269	1461.56	220.14	-51.00	132.29	36.85	-126.89	244.63	118.84	174.61	188.86	-62.49
		320	1942.32	88.07	-91.56	75.52	-79.01	-45.79	353.14	261.69	353.14	261.70	0.24
105	7	176	1375.51	173.43	-84.80	165.64	-77.02	-44.15	227.07	204.27	225.92	205.42	4.99

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		422	1088.39	285.39	-24.80	222.19	38.39	-124.93	163.34	25.62	53.64	135.31	-55.45
		269	1410.42	215.42	-49.78	127.25	38.39	-124.93	235.57	115.30	168.10	182.77	-59.69
		320	1870.95	82.89	-89.20	70.70	-77.02	-44.15	340.38	252.87	340.38	252.88	0.75
105	8	176	1037.77	128.20	-79.54	122.78	-74.12	-33.11	171.60	157.20	170.56	158.24	3.73
		422	855.10	232.75	-25.46	174.95	32.34	-107.63	125.48	16.30	37.13	104.66	-42.89
		269	1095.88	190.42	-40.94	117.15	32.34	-107.63	179.73	88.44	126.45	141.72	-45.00
		320	1435.93	72.46	-81.60	64.99	-74.12	-33.11	259.92	195.27	259.88	195.31	1.62
105	9	176	1003.81	124.03	-61.28	118.58	-55.83	-31.30	165.87	149.15	165.28	149.74	3.10
		422	794.79	205.37	-17.65	159.68	28.04	-90.01	119.51	19.32	40.26	98.57	-40.74
		269	1034.66	155.15	-35.70	91.41	28.04	-90.01	173.09	83.58	123.37	133.30	-44.48
		320	1364.80	58.85	-64.37	50.31	-55.83	-31.30	248.40	184.47	248.39	184.47	-0.64
105	10	176	959.38	116.56	-67.86	111.52	-62.82	-30.07	158.58	144.91	157.87	145.62	3.03
		422	779.03	205.84	-21.32	156.19	28.33	-93.88	115.67	16.69	36.24	96.12	-39.40
		269	1012.71	165.00	-36.15	100.52	28.33	-93.88	167.61	81.05	117.82	130.84	-42.79
		320	1322.29	63.03	-70.01	55.85	-62.82	-30.07	239.46	180.34	239.45	180.34	-0.36
105	11	176	1003.22	123.43	-60.50	117.75	-54.82	-31.82	165.79	149.23	165.15	149.87	3.20
		422	790.66	201.73	-18.46	157.33	25.94	-88.35	119.43	19.29	40.12	98.60	-40.65
		269	1032.57	153.07	-35.46	91.67	25.94	-88.35	173.15	83.43	123.20	133.38	-44.57
		320	1365.90	60.85	-63.57	52.09	-54.82	-31.82	248.23	184.65	248.22	184.66	-0.72
106	1	423	1142.04	243.25	11.15	111.39	143.01	-114.96	167.76	41.02	87.26	121.52	-61.02
		420	1194.93	255.60	11.29	115.50	151.39	-120.83	157.76	0.31	59.73	98.35	-76.32
		321	1529.23	237.50	-18.17	67.94	151.39	-120.83	201.71	-22.45	62.77	116.48	-108.81
		425	1451.18	225.01	-18.17	63.83	143.01	-114.96	211.69	18.27	90.31	139.65	-93.51
106	2	423	1092.51	215.42	8.78	95.84	128.36	-102.03	164.85	43.98	84.95	123.89	-57.21
		420	1128.52	219.95	8.83	97.35	131.42	-104.18	153.51	2.41	56.58	99.34	-72.46
		321	1531.01	205.48	-15.13	58.92	131.42	-104.18	208.47	-20.87	62.95	124.65	-110.44
		425	1467.70	200.91	-15.13	57.42	128.36	-102.03	219.76	20.76	91.32	149.20	-95.20
106	3	423	1113.26	259.14	7.31	111.48	154.98	-124.02	159.93	40.54	80.83	119.64	-56.45
		420	1159.02	263.69	7.35	112.98	158.05	-126.17	149.77	-0.48	52.79	96.49	-71.88
		321	1489.65	248.55	-17.86	72.65	158.05	-126.17	193.63	-21.71	56.88	115.04	-103.67
		425	1419.60	243.97	-17.86	71.14	154.98	-124.02	203.73	19.38	84.92	138.19	-88.24
106	4	423	1106.93	231.24	4.07	96.15	139.16	-111.53	162.94	40.00	85.70	117.24	-59.41
		420	1152.29	236.34	4.10	97.84	142.60	-113.94	153.50	0.96	59.45	95.01	-74.16
		321	1469.11	224.81	-15.33	66.88	142.60	-113.94	194.38	-21.83	61.33	111.23	-105.19
		425	1400.29	219.68	-15.33	65.20	139.16	-111.53	203.81	17.22	87.58	133.45	-90.43
106	5	423	1121.71	230.97	1.98	93.25	139.69	-112.12	165.48	40.39	87.67	118.20	-60.65
		420	1163.70	233.52	1.99	94.10	141.41	-113.32	155.76	1.13	61.29	95.60	-75.39
		321	1498.71	223.57	-14.89	67.27	141.41	-113.32	199.44	-22.08	63.76	113.60	-107.92
		425	1433.52	221.01	-14.89	66.43	139.69	-112.12	209.16	17.18	90.14	136.19	-93.19
106	6	423	1147.44	247.10	5.15	104.89	147.36	-119.10	167.51	40.68	86.80	121.39	-61.01
		420	1200.89	259.34	5.23	108.94	155.63	-124.89	157.52	0.21	59.41	98.32	-76.21
		321	1537.12	245.90	-17.16	73.11	155.63	-124.89	201.72	-22.39	62.60	116.73	-108.74
		425	1459.97	233.58	-17.16	69.05	147.36	-119.10	211.70	18.10	89.99	139.81	-93.54
106	7	423	1099.29	236.86	9.97	107.20	139.63	-112.28	161.04	39.57	83.13	117.48	-58.25
		420	1149.76	248.25	10.08	110.98	147.35	-117.69	151.31	0.18	56.42	95.06	-73.05
		321	1474.21	231.38	-17.48	66.56	147.35	-117.69	194.08	-21.55	59.66	112.87	-104.48
		425	1399.61	219.88	-17.48	62.77	139.63	-112.28	203.79	17.87	86.37	135.29	-89.68
106	8	423	863.00	203.68	5.58	87.39	121.86	-97.54	123.49	31.27	61.82	92.94	-43.40
		420	899.28	207.22	5.60	88.56	124.25	-99.21	115.73	-0.49	40.09	75.15	-55.40
		321	1146.57	195.45	-14.00	57.20	124.25	-99.21	148.34	-16.66	43.00	88.68	-79.27
		425	1091.64	191.89	-14.00	56.03	121.86	-97.54	156.04	15.16	64.72	106.47	-67.28
106	9	423	798.97	169.09	7.57	77.11	99.55	-79.98	117.57	28.87	61.53	84.92	-42.78
		420	834.66	177.13	7.65	79.78	105.00	-83.79	110.41	0.23	42.15	68.49	-53.49
		321	1078.55	164.73	-12.55	47.18	105.00	-83.79	142.73	-15.88	44.67	82.18	-77.05
		425	1025.10	156.61	-12.55	44.51	99.55	-79.98	149.88	12.77	64.05	98.60	-66.35
106	10	423	782.82	177.92	5.44	77.16	106.20	-85.01	113.20	28.63	57.95	83.88	-40.25
		420	814.53	181.61	5.47	78.38	108.70	-86.76	105.94	-0.18	38.30	67.46	-51.02
		321	1056.45	170.87	-12.38	49.79	108.70	-86.76	138.23	-15.45	41.41	81.37	-74.20
		425	1007.45	167.14	-12.38	48.57	106.20	-85.01	145.45	13.40	61.06	97.79	-63.42
106	11	423	801.94	171.23	4.24	73.50	101.97	-82.27	117.43	28.68	61.27	84.85	-42.78
		420	837.95	179.20	4.30	76.14	107.36	-86.05	110.27	0.18	41.97	68.48	-53.43
		321	1082.93	169.39	-11.99	50.05	107.36	-86.05	142.74	-15.84	44.58	82.31	-77.01
		425	1029.98	161.37	-11.99	47.41	101.97	-82.27	149.89	12.67	63.88	98.69	-66.37
107	1	426	1830.41	90.18	-1.08	5.83	83.27	-24.14	314.01	37.24	209.35	141.90	-134.21
		430	2091.09	90.68	-1.02	6.02	83.64	-24.41	388.40	122.49	341.53	169.36	-101.32
		266	1760.00	90.45	-3.88	2.92	83.64	-24.41	195.00	-136.39	72.55	-13.94	-159.95
		428	2068.95	89.95	-3.94	2.74	83.27	-24.14	142.55	-243.57	-59.63	-41.40	-192.85
107	2	426	1828.68	80.34	-3.47	2.40	74.47	-21.39	317.01	43.75	208.42	152.34	-133.72
		430	2082.16	89.12	-2.47	5.62	81.04	-25.99	387.44	128.80	337.27	178.97	-102.27
		266	1735.82	89.11	-2.63	5.44	81.04	-25.99	195.94	-129.01	71.30	-4.37	-158.01
		428	2028.72	80.32	-3.63	2.23	74.47	-21.39	145.65	-234.20	-57.55	-31.00	-189.46
107	3	426	1738.99	72.76	-5.98	0.08	66.70	-20.99	300.60	38.37	200.02	138.94	-127.51

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		430	2008.08	102.54	-3.53	10.68	88.33	-36.13	370.51	119.34	325.35	164.50	-96.45
		266	1708.96	102.63	-2.94	11.36	88.33	-36.13	188.72	-128.30	69.46	-9.04	-153.57
		428	1976.54	72.81	-5.35	0.76	66.70	-20.99	139.69	-230.17	-55.87	-34.61	-184.62
107	4	426	1765.15	92.16	-1.73	4.92	85.51	-24.09	302.28	35.17	201.73	135.72	-129.41
		430	2013.08	90.59	-1.94	4.34	84.31	-23.26	373.95	117.05	328.85	162.15	-97.74
		266	1696.05	90.47	-3.55	2.61	84.31	-23.26	188.06	-131.51	70.43	-13.88	-154.13
		428	1994.12	92.04	-3.34	3.19	85.51	-24.09	137.48	-234.48	-56.68	-40.32	-185.80
107	5	426	1792.63	87.19	-0.85	5.51	80.83	-22.78	307.75	36.62	204.35	140.02	-131.70
		430	2039.75	84.43	-1.20	4.48	78.74	-21.32	379.43	119.88	332.52	166.80	-99.88
		266	1710.65	84.26	-3.64	1.88	78.74	-21.32	190.93	-131.73	71.23	-12.03	-155.87
		428	2011.54	87.01	-3.27	2.90	80.83	-22.78	140.03	-235.78	-56.94	-38.81	-187.69
107	6	426	1831.86	91.75	-0.19	6.82	84.74	-24.41	314.10	37.31	209.29	142.11	-134.26
		430	2089.07	88.12	-0.64	5.48	82.00	-22.49	388.47	122.73	341.58	169.62	-101.30
		266	1756.94	87.86	-4.25	1.62	82.00	-22.49	195.22	-136.19	72.60	-13.57	-160.00
		428	2070.62	91.47	-3.77	2.96	84.74	-24.41	142.80	-243.57	-59.69	-41.07	-192.96
107	7	426	1761.25	88.76	-0.21	6.65	81.90	-23.74	301.99	36.11	201.11	136.99	-129.02
		430	2007.66	85.79	-0.57	5.55	79.66	-22.17	373.25	118.25	328.16	163.34	-97.29
		266	1693.24	85.53	-4.14	1.72	79.66	-22.17	188.80	-130.27	70.29	-11.75	-154.17
		428	1994.68	88.48	-3.76	2.82	81.90	-23.74	138.70	-233.56	-56.77	-38.10	-185.90
107	8	426	1337.10	55.58	-5.05	-0.37	50.90	-16.18	231.17	29.46	154.16	106.47	-98.00
		430	1548.38	81.08	-3.02	8.68	69.38	-29.11	285.40	91.71	250.94	126.17	-74.08
		266	1316.91	81.20	-2.31	9.51	69.38	-29.11	144.33	-99.72	52.93	-8.32	-118.12
		428	1521.29	55.65	-4.29	0.45	50.90	-16.18	106.32	-178.20	-43.85	-28.03	-142.04
107	9	426	1288.22	62.87	-0.65	4.17	58.05	-16.82	221.14	26.54	147.03	100.65	-94.50
		430	1468.51	62.83	-0.65	4.15	58.02	-16.79	272.90	86.56	239.58	119.87	-71.40
		266	1238.66	62.66	-2.74	1.91	58.02	-16.79	138.44	-94.66	51.65	-7.87	-112.68
		428	1455.66	62.71	-2.73	1.92	58.05	-16.82	101.96	-169.96	-40.91	-27.09	-135.78
107	10	426	1237.45	53.19	-3.37	0.97	48.85	-15.06	213.69	27.16	141.84	99.01	-90.77
		430	1422.44	69.31	-1.94	6.74	60.63	-23.31	262.96	84.81	230.59	117.18	-68.70
		266	1210.40	69.29	-2.07	6.59	60.63	-23.31	134.95	-90.17	49.93	-5.15	-109.14
		428	1404.38	53.18	-3.51	0.82	48.85	-15.06	100.37	-162.51	-38.82	-23.32	-131.21
107	11	426	1289.03	63.74	-0.16	4.72	58.87	-16.96	221.19	26.57	146.99	100.77	-94.52
		430	1467.39	61.40	-0.44	3.85	57.11	-15.73	272.94	86.69	239.61	120.02	-71.39
		266	1236.96	61.23	-2.94	1.18	57.11	-15.73	138.56	-94.54	51.67	-7.66	-112.71
		428	1456.60	63.55	-2.63	2.04	58.87	-16.96	102.10	-169.95	-40.95	-26.91	-135.84
108	1	430	1815.64	139.72	-53.11	-53.08	139.70	2.15	286.35	-10.07	215.80	60.47	-126.23
		176	1255.61	108.06	-74.75	-70.61	103.93	27.19	234.52	111.77	186.22	160.07	-59.97
		320	2433.54	109.82	-21.48	-15.59	103.93	27.19	457.30	295.35	443.11	309.54	45.79
		266	2481.93	139.73	1.91	1.94	139.70	2.15	474.29	208.36	472.70	209.94	-20.47
108	2	430	1773.91	135.59	-43.41	-43.41	135.59	0.56	289.75	5.37	219.68	75.43	-122.54
		176	1281.17	99.10	-69.49	-63.99	93.59	29.96	240.56	122.45	190.86	172.15	-58.31
		320	2422.39	101.09	-26.10	-18.60	93.59	29.96	454.14	300.52	439.86	314.80	44.60
		266	2453.28	135.59	1.98	1.98	135.59	0.56	470.21	216.55	468.69	218.08	-19.62
108	3	430	1699.76	149.63	-24.51	-24.35	149.48	-5.23	273.45	-6.50	206.29	60.66	-119.55
		176	1189.79	102.22	-57.94	-50.94	95.21	32.75	223.32	110.01	177.26	156.06	-55.66
		320	2339.39	103.30	-37.47	-29.39	95.21	32.75	440.49	286.98	425.82	301.65	45.13
		266	2389.39	149.66	-2.98	-2.80	149.48	-5.23	456.25	204.84	454.85	206.25	-18.76
108	4	430	1760.94	141.46	-57.38	-57.31	141.38	3.76	276.04	-10.45	208.02	57.58	-121.91
		176	1216.92	111.93	-77.67	-73.70	107.95	27.16	226.50	106.73	180.13	153.09	-58.34
		320	2336.77	113.75	-19.28	-13.48	107.95	27.16	438.61	283.00	425.70	295.92	42.92
		266	2383.49	141.49	2.80	2.90	141.38	3.76	455.26	198.73	453.59	200.40	-20.65
108	5	430	1777.27	131.98	-54.92	-54.85	131.91	3.71	281.15	-7.72	211.59	61.83	-123.51
		176	1240.61	104.71	-73.64	-69.97	101.04	25.31	231.91	110.20	183.87	158.24	-59.49
		320	2362.87	106.44	-17.69	-12.29	101.04	25.31	443.42	288.17	430.53	301.06	42.84
		266	2405.55	132.01	2.73	2.83	131.91	3.71	460.02	202.90	458.26	204.66	-21.19
108	6	430	1818.10	137.12	-56.83	-56.77	137.06	3.31	286.27	-9.98	215.67	60.62	-126.22
		176	1253.57	108.72	-76.10	-72.45	105.07	25.71	234.30	111.80	185.81	160.28	-59.90
		320	2437.21	110.42	-18.61	-13.27	105.07	25.71	457.66	295.88	443.34	310.21	45.96
		266	2483.55	137.15	2.33	2.41	137.06	3.31	474.76	208.98	473.20	210.55	-20.36
108	7	430	1745.62	132.96	-54.15	-54.11	132.91	2.81	275.17	-9.18	207.34	58.65	-121.18
		176	1203.86	104.71	-73.30	-69.70	101.10	25.08	225.00	107.81	178.48	154.33	-57.34
		320	2345.87	106.35	-18.68	-13.43	101.10	25.08	440.39	285.51	426.62	299.28	44.07
		266	2390.29	132.97	2.10	2.16	132.91	2.81	457.02	202.05	455.48	203.59	-19.77
108	8	430	1308.09	117.68	-17.09	-16.93	117.52	-4.65	210.28	-5.63	158.73	45.92	-92.05
		176	913.32	79.40	-44.19	-38.43	73.64	26.07	171.36	84.34	135.96	119.75	-42.75
		320	1804.52	80.16	-30.54	-24.01	73.64	26.07	340.11	220.37	328.40	232.08	35.57
		266	1845.37	117.70	-2.69	-2.51	117.52	-4.65	352.14	157.28	351.17	158.25	-13.73
108	9	430	1274.31	96.92	-37.24	-37.22	96.90	1.60	201.60	-6.11	151.84	43.64	-88.65
		176	884.67	75.27	-52.02	-49.20	72.45	18.72	165.42	79.27	131.40	113.29	-42.11
		320	1709.33	76.47	-14.64	-10.62	72.45	18.72	320.90	208.80	311.25	218.46	31.45
		266	1741.06	96.93	1.34	1.36	96.90	1.60	332.93	147.58	331.69	148.81	-15.09
108	10	430	1209.96	102.38	-21.31	-21.26	102.33	-2.50	194.44	-4.12	146.56	43.75	-84.94

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		176	848.11	71.92	-42.59	-38.27	67.61	21.81	159.20	78.29	126.43	111.06	-39.71
		320	1656.98	72.83	-23.50	-18.28	67.61	21.81	311.55	204.16	301.64	214.07	31.08
		266	1689.61	102.39	-1.33	-1.27	102.33	-2.50	322.91	145.62	321.77	146.76	-14.14
108	11	430	1275.68	95.48	-39.31	-39.27	95.44	2.25	201.56	-6.06	151.77	43.73	-88.64
		176	883.54	75.63	-52.76	-50.22	73.09	17.89	165.29	79.29	131.18	113.41	-42.07
		320	1711.38	76.80	-13.05	-9.33	73.09	17.89	321.10	209.10	311.37	218.82	31.54
		266	1741.98	95.49	1.57	1.62	95.44	2.25	333.19	147.92	331.97	149.15	-15.03
109	1	130	706.15	318.97	-78.61	41.52	198.83	-182.57	90.09	3.67	85.55	8.21	-19.29
		477	721.90	338.99	-78.60	48.11	212.28	-191.98	80.25	58.66	67.79	71.12	-10.66
		138	1682.21	357.72	-41.14	104.29	212.28	-191.98	182.10	-75.72	120.85	-14.46	109.73
		74	1825.83	337.71	-41.17	97.70	198.83	-182.57	178.55	-117.32	138.61	-77.38	101.11
109	2	130	716.02	308.88	-87.34	39.44	182.10	-184.82	93.91	14.49	89.22	19.18	-18.72
		477	760.75	332.05	-87.33	47.06	197.65	-185.71	89.30	66.75	72.64	83.41	-9.91
		138	1699.13	354.47	-46.59	110.23	197.65	-195.71	188.84	-71.57	123.98	-6.72	112.62
		74	1823.57	331.40	-46.69	102.61	182.10	-184.82	182.99	-113.39	140.56	-70.95	103.81
109	3	130	717.46	273.96	-83.86	34.34	155.76	-168.30	102.97	34.21	98.73	38.46	-16.55
		477	803.85	299.57	-83.86	42.76	172.95	-180.33	105.14	77.58	81.37	101.36	-9.49
		138	1669.30	321.77	-45.56	103.26	172.95	-180.33	195.31	-63.25	128.29	3.77	113.30
		74	1792.47	296.33	-45.73	94.84	155.76	-168.30	190.81	-104.29	145.65	-59.13	106.24
109	4	130	787.19	262.52	-44.03	72.53	145.97	-148.81	109.15	11.93	102.98	18.10	-23.69
		477	764.22	271.57	-44.00	75.51	152.05	-153.07	100.46	59.54	80.83	79.18	-20.44
		138	1603.34	281.94	-28.34	101.54	152.05	-153.07	179.36	-80.07	124.46	-25.17	105.97
		74	1823.47	272.95	-28.42	98.56	145.97	-148.81	185.45	-125.09	146.62	-86.25	102.72
109	5	130	748.38	323.16	-35.25	77.81	210.10	-166.55	100.49	12.74	96.02	17.21	-19.30
		477	752.30	320.08	-35.25	76.80	208.03	-165.10	91.40	64.33	78.11	77.62	-13.53
		138	1618.09	328.63	-18.00	102.60	208.03	-165.10	180.31	-73.36	122.60	-15.64	106.34
		74	1806.24	331.72	-18.00	103.62	210.10	-166.55	180.02	-115.56	140.51	-76.05	100.58
109	6	130	695.48	309.49	-31.04	67.50	210.96	-154.42	96.19	12.09	92.91	15.37	-16.28
		477	704.88	305.42	-31.05	66.16	208.22	-152.50	85.09	65.33	74.84	75.58	-9.87
		138	1616.17	313.85	-11.95	93.68	208.22	-152.50	182.08	-73.71	121.74	-13.37	108.60
		74	1797.71	317.93	-11.95	95.02	210.96	-154.42	180.85	-114.62	139.81	-73.58	102.19
109	7	130	681.01	274.05	-33.09	56.78	184.18	-139.73	97.41	10.19	94.11	13.48	-16.62
		477	672.64	270.65	-33.09	55.66	181.90	-138.13	85.26	64.78	76.08	73.97	-10.19
		138	1600.31	279.28	-14.04	83.34	181.90	-138.13	182.66	-75.30	122.96	-15.60	108.79
		74	1784.18	282.68	-14.04	84.46	184.18	-139.73	181.65	-116.73	141.00	-76.08	102.36
109	8	130	554.91	212.04	-68.56	24.71	118.76	-132.18	79.27	27.96	75.88	31.36	-12.75
		477	629.01	234.03	-68.56	31.95	133.52	-142.52	82.49	59.83	62.50	79.82	-7.31
		138	1288.07	252.27	-37.53	81.22	133.52	-142.52	150.68	-47.77	98.62	4.28	87.30
		74	1378.38	230.44	-37.69	73.98	118.76	-132.18	147.03	-79.22	111.99	-44.18	81.85
109	9	130	497.65	218.27	-49.11	31.62	137.55	-122.75	65.56	3.93	62.55	6.94	-13.27
		477	504.94	229.06	-49.10	35.17	144.80	-127.82	58.15	43.22	49.98	51.39	-7.43
		138	1184.67	240.84	-25.32	70.73	144.80	-127.82	130.12	-53.64	86.71	-10.23	78.06
		74	1292.24	230.06	-25.33	67.18	137.55	-122.75	127.86	-83.25	99.28	-54.68	72.22
109	10	130	503.86	193.23	-51.98	27.63	113.62	-114.82	72.69	20.92	69.87	23.74	-11.75
		477	550.89	207.12	-51.98	32.20	122.94	-121.35	71.48	54.23	57.52	68.19	-6.78
		138	1176.94	220.74	-27.63	70.16	122.94	-121.35	137.43	-46.68	90.84	-0.10	80.04
		74	1273.13	206.91	-27.70	65.59	113.62	-114.82	134.64	-75.99	103.19	-44.54	75.07
109	11	130	492.94	213.00	-22.67	46.05	144.28	-107.11	68.96	8.60	66.64	10.91	-11.60
		477	496.67	210.41	-22.67	45.19	142.54	-105.89	60.88	46.89	53.90	53.87	-6.99
		138	1148.15	216.48	-9.11	64.83	142.54	-105.89	130.11	-52.52	87.20	-9.62	77.43
		74	1276.68	219.08	-9.11	65.69	144.28	-107.11	129.14	-81.75	99.95	-52.57	72.82
110	1	65	873.37	138.75	17.90	88.90	67.75	-59.49	-36.17	-150.19	-36.66	-149.70	7.48
		136	904.62	120.56	16.33	82.40	54.49	-50.21	-42.62	-156.82	-47.07	-152.37	22.09
		123	625.16	97.11	-4.65	37.97	54.49	-50.21	93.64	2.35	81.37	14.61	-31.13
		121	784.98	116.73	-4.51	44.47	67.75	-59.49	113.53	-4.46	91.78	17.29	-45.75
110	2	65	881.17	79.37	2.79	71.35	10.81	-23.45	-41.48	-161.99	-42.41	-161.07	10.52
		136	913.04	74.04	-0.39	68.55	5.09	-19.45	-38.99	-167.36	-45.73	-160.63	28.61
		123	559.36	28.80	-10.87	12.84	5.09	-19.45	87.75	-1.91	79.06	6.78	-26.53
		121	701.34	36.79	-10.35	15.63	10.81	-23.45	102.98	-14.27	82.38	6.34	-44.62
110	3	65	1028.72	56.90	-42.32	55.68	-41.11	10.91	-48.61	-180.58	-50.31	-178.88	14.91
		136	1073.27	57.16	-41.44	56.06	-40.34	10.37	-36.78	-184.50	-46.39	-174.89	36.43
		123	517.16	-9.23	-43.80	-12.69	-40.34	10.37	77.94	-13.33	73.89	-9.28	-18.79
		121	630.27	-9.32	-44.86	-13.07	-41.11	10.91	86.29	-29.59	69.97	-13.26	-40.31
110	4	65	1285.13	140.00	-5.34	116.00	18.66	-53.96	-78.16	-240.66	-78.60	-240.22	8.37
		136	1379.96	192.16	7.34	137.33	62.18	-84.42	-99.93	-247.48	-104.79	-242.62	26.32
		123	782.10	148.47	-20.42	65.88	62.18	-84.42	108.93	-7.00	101.30	0.62	-28.73
		121	980.65	87.11	-23.89	44.56	18.66	-53.96	143.06	-12.54	127.49	3.02	-46.68
110	5	65	1010.92	224.43	20.91	117.80	127.54	-101.64	-45.42	-165.82	-45.59	-165.65	4.60
		136	1049.35	221.42	20.84	116.78	125.47	-100.20	-56.19	-170.47	-59.40	-167.25	18.89
		123	673.12	204.13	-2.16	76.50	125.47	-100.20	88.09	-4.87	79.30	3.92	-27.20
		121	834.91	207.20	-2.15	77.51	127.54	-101.64	109.65	-11.01	93.11	5.53	-41.49
110	6	65	928.03	264.55	16.27	101.71	179.11	-117.95	-35.71	-137.67	-36.13	-137.25	6.50

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		136	935.86	219.25	16.26	86.80	148.70	-96.66	-50.38	-145.15	-53.27	-142.26	16.30
		123	624.15	215.52	8.85	75.67	148.70	-96.66	80.02	-1.74	69.25	9.03	-27.65
		121	794.99	260.83	8.86	90.57	179.11	-117.95	102.29	-1.86	86.39	14.04	-37.45
110	7	65	910.62	206.95	14.22	98.33	122.83	-95.59	-39.11	-146.61	-39.42	-146.30	5.77
		136	942.92	194.35	14.05	94.13	114.26	-89.59	-49.97	-152.44	-53.19	-149.22	17.88
		123	617.97	183.74	-1.26	68.22	114.26	-89.59	81.18	-3.05	71.73	6.40	-26.58
		121	769.60	196.48	-1.23	72.42	122.83	-95.59	101.71	-6.88	85.50	9.32	-38.69
110	8	65	811.78	42.72	-44.90	39.87	-42.06	15.53	-37.82	-140.59	-39.26	-139.15	12.09
		136	851.34	42.86	-44.26	40.13	-41.53	15.17	-26.85	-143.47	-34.77	-135.55	29.33
		123	398.00	-8.62	-48.52	-15.61	-41.53	15.17	59.57	-10.97	56.72	-8.12	-13.90
		121	491.23	-8.64	-49.28	-15.86	-42.06	15.53	64.88	-24.37	52.23	-11.71	-31.14
110	9	65	628.99	104.72	12.26	64.04	52.94	-45.90	-26.52	-107.43	-26.85	-107.10	5.18
		136	652.39	93.96	11.56	60.27	45.24	-40.51	-31.72	-112.01	-34.75	-108.98	15.30
		123	442.52	79.11	-3.21	30.66	45.24	-40.51	64.79	0.67	56.67	8.78	-21.32
		121	554.39	90.51	-3.13	34.44	52.94	-45.90	79.03	-3.80	64.57	10.66	-31.44
110	10	65	686.57	46.44	-8.39	45.59	-7.54	-6.78	-33.47	-124.27	-34.44	-123.31	9.31
		136	708.97	46.51	-8.31	45.64	-7.44	-6.85	-28.55	-127.31	-34.37	-121.49	23.27
		123	373.20	6.01	-10.93	2.52	-7.44	-6.85	55.97	-7.95	52.52	-4.49	-14.46
		121	459.78	5.90	-10.96	2.47	-7.54	-6.78	63.95	-17.81	52.45	-6.31	-28.42
110	11	65	659.14	174.34	11.63	71.16	114.81	-78.37	-26.26	-100.47	-26.56	-100.18	4.64
		136	669.82	148.72	11.58	62.72	97.58	-66.32	-36.02	-105.53	-38.19	-103.36	12.09
		123	441.04	144.78	4.41	51.61	97.58	-66.32	57.23	-1.61	49.94	5.68	-19.38
		121	558.96	170.45	4.41	60.05	114.81	-78.37	72.83	-2.40	61.58	8.85	-26.83
111	1	135	927.84	658.78	3.73	220.73	441.78	-308.31	77.38	28.03	28.33	77.08	3.87
		137	846.44	638.32	3.73	214.00	428.05	-298.70	62.24	16.71	17.01	61.94	3.66
		127	1524.11	629.76	-14.27	187.44	428.05	-298.70	163.43	30.13	55.81	137.75	-52.57
		126	1598.32	650.21	-14.27	194.16	441.78	-308.31	177.69	42.33	67.13	152.89	-52.36
111	2	135	902.47	658.39	2.83	220.14	441.08	-308.60	83.24	17.00	19.71	80.53	13.12
		137	803.63	635.59	2.83	212.64	425.79	-297.89	66.53	4.61	7.86	63.28	13.80
		127	1599.65	627.63	-13.86	187.98	425.79	-297.89	178.14	30.76	54.05	154.86	-53.75
		126	1691.29	650.41	-13.86	195.47	441.08	-308.60	195.04	42.96	65.90	172.10	-54.43
111	3	135	804.54	601.94	3.05	201.08	403.91	-281.75	85.82	-4.08	4.77	76.96	26.79
		137	816.22	578.68	3.05	193.43	388.29	-270.82	70.91	-17.18	-4.51	58.24	30.92
		127	1650.25	571.45	-12.14	171.01	388.29	-270.82	198.44	32.83	53.94	177.33	-55.23
		126	1774.13	594.71	-12.14	178.66	403.91	-281.75	218.72	40.56	63.22	196.06	-59.36
111	4	135	571.68	400.09	-6.07	130.87	263.15	-192.01	54.15	26.40	27.67	52.88	5.81
		137	468.41	382.12	-6.07	124.96	251.09	-183.56	45.80	18.41	24.61	39.59	11.46
		127	1327.44	384.11	-2.21	130.82	251.09	-183.56	173.11	35.14	70.48	137.78	-60.22
		126	1435.47	402.08	-2.20	136.73	263.15	-192.01	188.74	35.87	73.54	151.06	-65.88
111	5	135	681.93	506.99	0.48	168.29	339.17	-238.41	52.31	23.51	23.80	52.02	2.88
		137	583.86	487.03	0.47	161.73	325.78	-229.03	43.99	18.38	21.46	40.90	8.33
		127	1349.43	484.16	-5.43	152.95	325.78	-229.03	159.04	32.86	63.47	128.43	-54.09
		126	1450.34	504.11	-5.43	159.51	339.17	-238.41	172.70	32.65	65.81	139.54	-59.54
111	6	135	692.61	502.53	3.39	167.69	338.23	-234.55	53.11	21.74	21.78	53.07	1.16
		137	601.02	484.72	3.39	161.83	326.28	-226.18	44.83	18.06	19.79	43.10	6.58
		127	1316.20	480.04	-6.44	147.33	326.28	-226.18	153.96	32.39	60.42	125.93	-51.21
		126	1410.76	497.85	-6.43	153.18	338.23	-234.55	166.67	31.64	62.41	135.90	-56.64
111	7	135	646.40	467.26	2.64	155.92	313.99	-218.46	51.09	22.49	22.60	50.97	1.80
		137	554.98	449.75	2.64	150.16	302.23	-210.23	42.81	17.92	20.12	40.61	7.07
		127	1279.65	445.46	-6.34	136.89	302.23	-210.23	153.55	32.62	61.52	124.65	-51.57
		126	1374.00	462.97	-6.33	142.65	313.99	-218.46	166.52	32.49	64.00	135.02	-56.83
111	8	135	643.60	475.90	2.48	159.02	319.36	-222.72	69.00	-5.29	2.28	61.44	22.47
		137	659.03	457.64	2.48	153.01	307.11	-214.14	56.82	-15.89	-5.45	46.38	25.50
		127	1300.88	451.77	-9.88	134.78	307.11	-214.14	156.15	24.93	40.71	140.38	-42.67
		126	1397.94	470.02	-9.88	140.79	319.36	-222.72	172.30	31.58	48.44	155.44	-45.70
111	9	135	612.79	436.88	2.37	146.25	293.00	-204.49	50.91	18.95	19.17	50.69	2.65
		137	552.39	422.69	2.37	141.59	283.48	-197.82	41.02	12.10	12.50	40.61	3.39
		127	1045.68	417.34	-8.87	124.99	283.48	-197.82	115.01	21.95	40.69	96.27	-37.32
		126	1102.21	431.52	-8.87	129.66	293.00	-204.49	125.00	28.70	47.36	106.34	-38.06
111	10	135	539.01	405.30	1.99	135.34	271.95	-189.73	55.42	1.28	6.08	50.63	15.38
		137	521.24	389.56	1.99	130.16	261.39	-182.34	46.10	-7.00	0.55	38.55	18.53
		127	1114.14	384.95	-7.69	115.87	261.39	-182.34	134.18	23.73	39.65	118.26	-38.79
		126	1198.22	400.69	-7.68	121.05	271.95	-189.73	147.52	27.99	45.18	130.33	-41.94
111	11	135	482.09	350.07	2.18	116.78	235.47	-163.51	37.41	15.47	15.53	37.35	1.14
		137	416.53	337.36	2.18	112.60	226.94	-157.54	31.58	12.61	14.05	30.14	5.02
		127	930.40	334.17	-4.52	102.71	226.94	-157.54	109.79	23.16	43.25	89.70	-36.56
		126	998.18	346.88	-4.52	106.89	235.47	-163.51	118.94	22.70	44.73	96.90	-40.43
112	1	133	1362.13	310.83	27.19	115.57	222.45	-131.37	177.56	-33.04	130.00	14.52	88.06
		65	1369.22	127.74	27.01	55.30	99.45	-45.27	170.50	-73.95	135.69	-39.14	85.43
		121	723.09	123.30	13.50	37.35	99.45	-45.27	125.45	37.69	119.20	43.94	-22.57
		477	905.04	305.48	14.59	97.62	222.45	-131.37	127.02	84.09	113.51	97.61	-19.94
112	2	133	1415.35	268.50	33.09	87.83	213.76	-99.45	182.85	-45.63	128.16	9.06	97.50

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		65	1457.00	67.93	16.16	16.31	67.79	2.73	184.51	-86.24	143.24	-44.97	97.32
		121	663.62	67.90	2.56	2.68	67.79	2.73	122.08	37.25	118.19	41.14	-17.74
		477	823.42	265.47	22.50	74.20	213.76	-99.45	117.14	81.14	103.11	95.17	-17.56
112	3	133	1486.64	212.87	38.08	63.14	187.81	-61.25	186.97	-67.41	123.37	-3.81	110.15
		65	1695.00	62.83	-40.46	-12.03	34.40	46.13	208.07	-105.92	157.75	-55.61	115.19
		121	679.23	58.25	-54.84	-30.99	34.40	46.13	116.61	32.64	115.74	33.51	-8.47
		477	679.07	210.38	21.60	44.18	187.81	-61.25	96.98	69.69	81.36	85.30	-13.50
112	4	133	1884.38	215.53	-3.54	42.60	169.39	-89.33	248.60	-67.68	177.55	3.37	132.00
		65	1901.88	90.39	-8.97	-0.34	81.75	-27.98	221.16	-125.41	173.88	-78.13	118.96
		121	897.23	100.94	40.94	60.12	81.75	-27.98	147.35	11.26	141.61	17.00	-27.35
		477	937.67	231.51	40.94	103.06	169.39	-89.33	149.32	94.47	145.29	98.50	-14.31
112	5	133	1458.84	322.43	3.72	107.36	218.79	-149.29	180.96	-43.83	131.96	5.17	92.81
		65	1556.51	210.71	3.72	70.62	143.82	-96.81	182.22	-83.78	146.25	-47.80	90.97
		121	776.51	214.83	11.84	82.85	143.82	-96.81	121.56	27.53	117.55	31.54	-19.01
		477	853.00	326.51	11.88	119.59	218.79	-149.29	113.44	74.34	103.26	84.52	-17.16
112	6	133	1274.50	338.63	3.95	136.72	205.86	-163.73	155.01	-35.01	113.31	6.68	78.64
		65	1411.20	266.98	3.49	113.01	157.47	-129.86	164.71	-68.70	132.21	-36.20	80.81
		121	749.12	257.34	-11.38	88.49	157.47	-129.86	111.67	36.97	108.09	40.56	-15.96
		477	826.80	329.32	-11.26	112.20	205.86	-163.73	104.67	67.96	89.19	83.44	-18.13
112	7	133	1299.19	297.07	6.54	113.66	189.96	-140.17	161.39	-38.89	117.64	4.86	82.75
		65	1415.07	201.72	6.30	82.22	125.79	-95.25	168.05	-74.38	134.62	-40.95	83.59
		121	720.36	199.47	2.65	76.32	125.79	-95.25	113.26	32.75	109.68	36.33	-16.60
		477	795.90	294.93	2.79	107.76	189.96	-140.17	105.64	69.20	92.70	82.14	-17.44
112	8	133	1150.84	160.77	30.57	46.14	145.21	-42.24	144.60	-53.72	94.50	-3.62	86.17
		65	1336.71	51.23	-45.38	-14.87	20.71	44.91	162.27	-83.37	122.45	-43.55	90.53
		121	530.68	46.55	-57.34	-31.50	20.71	44.91	89.60	25.27	89.05	25.82	-5.93
		477	516.57	158.99	15.73	29.50	145.21	-42.24	73.97	52.88	61.10	65.75	-10.29
112	9	133	967.10	215.58	16.37	79.86	152.09	-92.82	125.17	-24.93	91.43	8.81	62.66
		65	987.50	97.21	16.34	40.92	72.63	-37.20	121.95	-53.42	97.10	-28.57	61.16
		121	512.40	94.47	9.29	31.13	72.63	-37.20	87.66	25.83	83.75	29.73	-15.04
		477	624.43	212.56	9.60	70.07	152.09	-92.82	87.20	58.00	78.08	67.12	-13.53
112	10	133	1036.25	159.52	24.06	50.73	132.85	-53.87	130.37	-43.99	87.75	-1.37	74.93
		65	1134.37	41.36	-1.36	3.52	36.49	13.58	142.79	-71.15	109.36	-37.72	77.69
		121	464.40	40.39	-10.74	-6.83	36.49	13.58	82.72	23.05	81.83	23.94	-7.20
		477	495.99	157.60	15.63	40.38	132.85	-53.87	70.21	50.29	60.22	60.28	-9.96
112	11	133	918.26	230.97	3.52	91.61	142.88	-110.80	112.64	-26.03	82.16	4.46	57.43
		65	1010.60	174.60	3.24	72.98	104.86	-84.19	118.73	-50.50	95.17	-26.94	58.59
		121	525.84	169.39	-4.98	59.55	104.86	-84.19	80.06	25.38	77.58	27.85	-11.37
		477	580.40	225.95	-4.90	78.17	142.88	-110.80	74.72	49.10	64.57	59.25	-12.53
113	1	215	871.12	249.15	-964.74	214.20	-929.78	-203.00	58.45	-55.08	-1.12	4.49	56.70
		502	474.67	403.79	-3.17	214.20	186.42	-203.00	49.59	-46.54	1.77	1.28	48.07
		501	451.70	316.95	-129.29	1.24	186.42	-203.00	47.05	-44.36	-6.60	9.28	45.01
		500	822.70	43.58	-972.12	1.24	-929.78	-203.00	56.26	-53.25	-9.48	12.49	53.64
113	2	215	945.62	114.14	-1052.61	65.28	-1003.75	-233.72	74.30	-69.50	-6.43	11.23	71.36
		502	564.40	367.44	-115.50	65.28	186.66	-233.72	61.85	-61.74	-2.43	2.55	61.74
		501	527.35	331.24	-191.16	-46.58	186.66	-233.72	54.51	-55.56	-11.83	10.79	53.86
		500	919.31	7.44	-1057.77	-46.58	-1003.75	-233.72	67.70	-64.06	-15.83	19.46	63.47
113	3	215	991.88	46.78	-1031.58	0.27	-985.06	-219.08	95.48	-89.17	-13.77	20.07	90.76
		502	631.21	335.44	-142.93	0.27	192.24	-219.08	77.87	-82.51	-8.93	4.29	79.92
		501	564.80	315.83	-196.12	-72.53	192.24	-219.08	64.05	-71.44	-19.68	12.30	65.83
		500	957.36	-22.66	-1034.93	-72.53	-985.06	-219.08	82.83	-79.28	-24.52	28.08	76.67
113	4	215	708.49	55.99	-1012.20	11.06	-967.27	-214.41	17.35	-16.02	5.22	-3.89	16.05
		502	340.48	333.05	-131.71	11.06	190.28	-214.41	17.47	-11.56	7.81	-1.90	13.68
		501	358.90	311.21	-189.86	-68.92	190.28	-214.41	17.74	-13.14	5.38	-0.78	15.13
		500	695.00	-20.37	-1015.82	-68.92	-967.27	-214.41	17.73	-17.72	2.79	-2.78	17.50
113	5	215	693.63	82.17	-973.18	40.52	-931.53	-205.48	17.68	-16.69	4.73	-3.73	16.65
		502	326.56	330.71	-104.98	40.52	185.22	-205.48	17.60	-11.83	7.52	-1.75	13.97
		501	346.48	301.34	-178.38	-62.26	185.22	-205.48	17.95	-13.21	4.81	-0.08	15.39
		500	674.60	-16.14	-977.65	-62.26	-931.53	-205.48	18.17	-18.21	2.02	-2.06	18.08
113	6	215	693.62	82.81	-969.67	42.02	-928.87	-203.16	18.13	-17.38	4.31	-3.55	17.31
		502	325.69	329.38	-101.61	42.02	185.75	-203.16	17.87	-12.27	7.24	-1.64	14.41
		501	344.45	300.09	-175.23	-60.89	185.75	-203.16	18.26	-13.49	4.34	0.43	15.75
		500	675.39	-15.70	-974.07	-60.89	-928.87	-203.16	18.69	-18.75	1.42	-1.48	18.66
113	7	215	687.83	68.83	-969.73	27.48	-928.39	-203.04	17.87	-16.86	4.52	-3.50	16.90
		502	326.70	324.59	-111.28	27.48	185.83	-203.04	17.69	-12.15	7.24	-1.70	14.23
		501	345.63	298.54	-179.94	-67.23	185.83	-203.04	17.85	-13.50	4.55	-0.19	15.50
		500	670.72	-21.76	-973.86	-67.23	-928.39	-203.04	18.18	-18.35	1.82	-1.99	18.16
113	8	215	787.47	33.84	-792.82	-2.42	-756.56	-169.29	80.13	-74.98	-12.08	17.23	76.16
		502	511.82	258.69	-112.18	-2.42	148.93	-169.29	65.10	-69.58	-8.14	3.66	67.08
		501	454.76	244.29	-151.61	-56.25	148.93	-169.29	52.94	-60.31	-17.20	9.84	54.99
		500	757.47	-17.47	-795.33	-56.25	-756.56	-169.29	68.95	-66.70	-21.15	23.40	64.06
113	9	215	592.34	147.93	-692.34	121.99	-666.40	-145.34	35.13	-33.01	0.11	2.01	34.05

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		502	312.07	272.17	-18.66	121.99	131.52	-145.34	30.20	-27.59	2.10	0.50	28.88
		501	303.13	222.38	-100.95	-10.08	131.52	-145.34	28.94	-26.44	-2.90	5.40	27.37
		500	564.16	20.66	-697.14	-10.08	-666.40	-145.34	34.09	-32.06	-4.89	6.91	32.55
113	10	215	657.71	35.62	-729.59	3.14	-697.11	-154.27	55.58	-51.83	-6.92	10.67	52.98
		502	401.05	236.67	-98.77	3.14	134.75	-154.27	45.84	-47.51	-3.84	2.18	46.58
		501	365.71	221.93	-138.25	-51.07	134.75	-154.27	38.34	-41.43	-10.17	7.08	38.94
		500	638.09	-16.12	-732.06	-51.07	-697.11	-154.27	48.74	-46.41	-13.24	15.57	45.34
113	11	215	495.65	55.65	-695.21	26.34	-665.90	-145.42	12.82	-12.15	3.13	-2.45	12.17
		502	232.47	233.32	-75.84	26.34	131.15	-145.42	12.66	-8.64	5.14	-1.12	10.18
		501	245.49	213.19	-126.64	-44.61	131.15	-145.42	13.04	-9.37	3.18	0.49	11.12
		500	483.58	-12.25	-698.25	-44.61	-665.90	-145.42	13.31	-12.99	1.17	-0.85	13.11
114	1	227	1248.96	151.37	-1180.73	104.71	-1134.06	-244.93	70.36	-126.93	-111.88	55.32	52.37
		507	779.68	360.98	-129.38	104.71	126.89	-244.93	74.14	-139.16	-68.29	3.27	100.47
		506	524.30	341.68	-152.41	62.37	126.89	-244.93	63.98	-47.02	-13.11	30.06	51.13
		505	1124.23	110.57	-1182.26	62.37	-1134.06	-244.93	82.18	-56.77	-56.70	82.12	3.03
114	2	227	1522.71	-47.23	-1281.07	-111.87	-1216.43	-274.91	109.77	-232.36	-225.26	102.67	48.76
		507	1041.44	316.96	-288.11	-111.87	140.72	-274.91	97.35	-234.49	-141.70	4.57	148.93
		506	583.65	349.18	-221.84	-13.38	140.72	-274.91	82.04	-56.01	-27.60	53.63	55.81
		505	1386.50	46.47	-1276.27	-13.38	-1216.43	-274.91	159.02	-118.44	-111.15	151.73	-44.36
114	3	227	1884.90	-24.18	-1156.64	-75.27	-1105.54	-235.06	166.09	-371.46	-367.56	162.18	45.65
		507	1358.20	284.96	-228.65	-75.27	131.58	-235.06	128.84	-356.59	-234.10	6.35	210.85
		506	602.22	305.58	-185.97	-11.97	131.58	-235.06	108.89	-71.81	-46.37	83.45	62.85
		505	1674.03	36.41	-1153.93	-11.97	-1105.54	-235.06	262.95	-203.49	-179.83	239.29	-102.35
114	4	227	800.19	-23.78	-1158.56	-75.22	-1107.12	-236.06	17.73	-16.16	-0.19	1.76	16.92
		507	383.18	285.00	-229.91	-75.22	130.30	-236.06	20.30	-18.21	2.90	-0.82	19.17
		506	365.56	307.87	-183.52	-5.95	130.30	-236.06	17.60	-16.87	4.93	-4.20	16.62
		505	804.29	42.52	-1155.59	-5.95	-1107.12	-236.06	14.59	-14.37	1.83	-1.62	14.37
114	5	227	807.67	-11.11	-1147.24	-62.50	-1095.85	-236.09	16.79	-18.25	-5.33	3.87	16.91
		507	387.64	285.42	-222.70	-62.50	125.22	-236.09	20.77	-21.98	-0.50	-0.71	21.38
		506	364.02	307.17	-181.10	0.85	125.22	-236.09	17.80	-16.80	4.05	-3.06	16.93
		505	806.63	49.51	-1144.52	0.85	-1095.85	-236.09	12.89	-12.14	-0.78	1.52	12.46
114	6	227	811.62	4.73	-1129.58	-44.02	-1080.83	-230.05	16.59	-20.91	-10.20	5.88	16.94
		507	386.39	284.93	-204.90	-44.02	124.06	-230.05	21.42	-25.77	-3.72	-0.62	23.55
		506	357.06	302.51	-172.49	5.97	124.06	-230.05	18.10	-16.84	3.25	-2.00	17.27
		505	803.25	52.66	-1127.52	5.97	-1080.83	-230.05	11.98	-10.70	-3.23	4.51	10.66
114	7	227	801.51	-10.56	-1129.94	-60.09	-1080.41	-230.18	16.41	-19.47	-8.04	4.98	16.72
		507	384.05	279.84	-215.95	-60.09	123.98	-230.18	20.93	-23.90	-2.30	-0.68	22.40
		506	356.72	300.53	-176.11	0.44	123.98	-230.18	17.77	-16.65	3.62	-2.51	16.93
		505	797.67	47.41	-1127.39	0.44	-1080.41	-230.18	12.07	-11.04	-2.12	3.14	11.25
114	8	227	1545.38	-21.77	-887.58	-61.39	-847.96	-180.92	141.01	-316.22	-313.11	137.90	37.58
		507	1132.60	219.11	-178.08	-61.39	102.42	-180.92	108.45	-302.68	-199.57	5.34	178.21
		506	489.13	235.58	-143.37	-10.21	102.42	-180.92	91.56	-60.62	-39.79	70.73	52.31
		505	1368.57	27.19	-885.36	-10.21	-847.96	-180.92	223.98	-174.01	-153.33	203.30	-88.33
114	9	227	815.25	81.12	-835.77	47.41	-802.05	-172.56	41.04	-72.52	-62.82	31.33	31.75
		507	485.98	242.00	-105.61	47.41	88.98	-172.56	44.22	-80.39	-37.94	1.77	59.06
		506	344.35	236.07	-113.46	33.62	88.98	-172.56	38.05	-28.19	-6.66	16.53	31.02
		505	748.79	67.85	-836.28	33.62	-802.05	-172.56	46.27	-31.72	-31.54	46.09	3.71
114	10	227	1159.15	-16.32	-822.47	-52.58	-786.21	-167.08	93.33	-207.49	-204.86	90.70	28.02
		507	802.90	201.47	-162.46	-52.58	91.59	-167.08	74.37	-200.95	-130.06	3.48	120.38
		506	381.71	216.25	-132.34	-7.68	91.59	-167.08	62.30	-41.26	-25.15	46.19	37.53
		505	1037.40	26.66	-820.55	-7.68	-786.21	-167.08	145.65	-112.19	-99.95	133.41	-54.83
114	11	227	576.84	-0.27	-807.43	-35.22	-772.48	-164.29	11.87	-14.33	-6.33	3.87	12.06
		507	274.20	201.46	-149.27	-35.22	87.41	-164.29	15.11	-17.58	-2.07	-0.39	16.32
		506	254.38	214.56	-124.87	2.29	87.41	-164.29	12.92	-11.78	2.43	-1.28	12.21
		505	572.82	35.69	-805.88	2.29	-772.48	-164.29	8.88	-7.74	-1.83	2.98	7.95
115	1	239	1099.15	210.71	-1259.61	168.77	-1217.68	-244.73	58.01	-41.29	38.86	-22.13	-39.18
		511	576.67	406.60	-83.07	168.77	154.76	-244.73	70.15	-50.33	9.10	10.72	-60.23
		510	441.96	351.70	-149.37	47.56	154.76	-244.73	34.44	-30.50	-12.91	16.85	-28.86
		509	950.27	93.25	-1263.37	47.56	-1217.68	-244.73	18.61	-17.77	16.85	-16.00	-7.81
115	2	239	1536.69	-7.53	-1321.69	-58.68	-1270.54	-254.17	199.08	-138.48	137.61	-77.00	-130.28
		511	1218.68	334.57	-222.96	-58.68	170.29	-254.17	233.67	-164.72	50.70	18.25	-198.53
		510	814.77	345.14	-199.18	-24.32	170.29	-254.17	103.46	-114.61	-23.71	12.56	-107.52
		509	1245.35	25.52	-1320.39	-24.32	-1270.54	-254.17	73.09	-92.59	63.19	-82.69	-39.27
115	3	239	2099.93	98.32	-1104.65	63.59	-1069.92	-201.43	374.83	-258.83	261.77	-145.78	-242.60
		511	1962.80	308.08	-102.37	63.59	142.12	-201.43	437.86	-306.76	103.22	27.87	-370.40
		510	1191.36	285.26	-141.35	1.78	142.12	-201.43	190.79	-220.58	-37.28	7.50	-204.46
		509	1470.37	38.39	-1106.53	1.78	-1069.92	-201.43	140.44	-185.32	121.27	-166.15	-76.67
115	4	239	777.94	100.14	-1101.86	65.52	-1067.25	-201.02	14.25	-12.07	6.98	-4.80	11.77
		511	291.25	308.39	-100.86	65.52	142.00	-201.02	13.84	-7.47	7.00	-0.63	9.95
		510	316.14	285.86	-138.89	4.97	142.00	-201.02	13.78	-15.16	4.42	-5.80	13.53
		509	762.93	41.42	-1103.70	4.97	-1067.25	-201.02	14.16	-19.73	4.39	-9.96	15.35
115	5	239	808.52	86.77	-1131.80	49.41	-1094.45	-210.05	14.14	-10.14	11.15	-7.15	7.98

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		511	277.13	311.49	-118.94	49.41	143.14	-210.05	10.31	-1.87	8.71	-0.27	4.11
		510	311.84	295.42	-146.61	5.67	143.14	-210.05	10.36	-12.40	3.85	-5.89	10.28
		509	794.18	44.41	-1133.19	5.67	-1094.45	-210.05	13.82	-20.30	6.29	-12.77	14.15
115	6	239	821.11	114.14	-1109.84	79.00	-1074.70	-204.39	15.96	-10.17	15.20	-9.40	4.39
		511	258.09	316.06	-97.23	79.00	139.82	-204.39	10.58	-0.13	10.38	0.07	-1.46
		510	290.40	290.92	-136.66	14.44	139.82	-204.39	7.23	-9.91	3.32	-6.00	7.19
		509	793.57	51.53	-1111.80	14.44	-1074.70	-204.39	13.93	-21.26	8.14	-15.47	13.05
115	7	239	800.09	103.43	-1094.67	68.79	-1060.03	-200.75	14.90	-9.87	13.47	-8.44	5.77
		511	250.03	307.51	-100.03	68.79	138.69	-200.75	9.72	-0.15	9.66	-0.09	0.76
		510	291.92	284.92	-136.91	9.31	138.69	-200.75	8.39	-10.84	3.55	-6.00	8.35
		509	777.05	45.76	-1096.48	9.31	-1060.03	-200.75	13.71	-20.70	7.36	-14.35	13.35
115	8	239	1732.07	71.97	-846.16	45.12	-819.32	-154.68	319.82	-221.23	222.61	-124.02	-207.72
		511	1656.04	235.83	-80.33	45.12	110.37	-154.68	373.67	-262.45	87.55	23.66	-316.45
		510	999.87	219.47	-108.92	0.18	110.37	-154.68	163.40	-189.28	-32.02	6.14	-175.30
		509	1191.16	28.40	-847.54	0.18	-819.32	-154.68	119.98	-158.49	103.04	-141.54	-66.57
115	9	239	732.09	131.03	-874.13	102.20	-845.29	-167.79	32.22	-22.33	23.14	-13.25	-20.32
		511	354.73	272.23	-63.39	102.20	106.65	-167.79	38.69	-26.43	6.29	5.97	-32.56
		510	276.31	239.14	-105.86	26.64	106.65	-167.79	17.31	-15.12	-6.59	8.78	-14.27
		509	647.82	57.81	-876.47	26.64	-845.29	-167.79	10.45	-10.63	10.25	-10.43	-2.04
115	10	239	1274.30	68.60	-788.04	43.76	-763.20	-143.74	208.24	-143.21	146.98	-81.94	-133.34
		511	1123.89	218.12	-74.73	43.76	99.63	-143.74	243.04	-168.97	58.58	15.49	-204.88
		510	691.65	202.34	-101.51	1.20	99.63	-143.74	104.18	-120.73	-20.13	3.59	-111.83
		509	933.98	27.34	-789.34	1.20	-763.20	-143.74	77.72	-103.31	68.26	-93.84	-40.29
115	11	239	580.05	77.39	-790.92	52.32	-765.86	-145.38	10.87	-7.06	9.99	-6.18	3.88
		511	178.34	222.53	-71.86	52.32	98.35	-145.38	7.00	0.05	7.00	0.05	0.09
		510	208.97	205.50	-98.92	8.23	98.35	-145.38	5.83	-7.32	2.43	-3.91	5.76
		509	561.64	34.64	-792.26	8.23	-765.86	-145.38	9.96	-14.68	5.42	-10.14	9.55
116	1	251	1116.95	237.44	-1520.02	179.06	-1461.64	-314.94	18.98	-13.98	5.98	-0.97	16.11
		515	428.21	487.72	-142.28	179.06	166.38	-314.94	17.02	-7.92	10.10	-1.00	11.16
		514	432.14	436.49	-200.82	69.29	166.38	-314.94	9.14	-16.91	3.52	-11.29	10.72
		513	1067.99	131.54	-1523.90	69.29	-1461.64	-314.94	10.62	-22.47	-0.59	-11.26	15.66
116	2	251	873.41	206.96	-1129.88	170.77	-1093.69	-216.97	37.48	-28.80	9.38	-0.70	32.76
		515	382.07	374.36	-60.46	170.77	143.13	-216.97	41.36	-21.41	28.53	-8.58	25.31
		514	392.12	301.17	-154.75	3.29	143.13	-216.97	21.94	-40.66	17.21	-35.93	16.55
		513	814.52	44.65	-1135.04	3.29	-1093.69	-216.97	12.32	-42.31	-1.94	-28.05	23.99
116	3	251	849.92	290.18	-969.09	261.11	-940.03	-189.09	63.37	-49.55	14.25	-0.43	55.98
		515	441.16	388.91	-18.67	261.11	109.12	-189.09	74.59	-40.18	52.36	-17.95	45.36
		514	446.82	266.25	-118.43	38.70	109.12	-189.09	41.47	-72.95	35.05	-66.53	26.33
		513	767.82	73.96	-975.29	38.70	-940.03	-189.09	17.48	-69.55	-3.06	-49.01	36.95
116	4	251	779.74	291.58	-967.25	262.73	-938.40	-188.37	13.47	-17.46	-1.26	-2.73	15.45
		515	331.42	389.41	-17.38	262.73	109.29	-188.37	14.11	-18.23	-1.86	-2.26	16.17
		514	308.08	266.52	-116.38	40.85	109.29	-188.37	10.56	-23.93	-2.16	-11.21	16.64
		513	683.94	75.84	-973.38	40.85	-938.40	-188.37	10.09	-23.32	-1.55	-11.68	15.92
116	5	251	793.84	274.81	-998.26	244.39	-967.83	-194.43	14.44	-18.27	-1.09	-2.74	16.33
		515	335.08	384.57	-25.30	244.39	114.88	-194.43	15.12	-18.79	-1.08	-2.58	16.94
		514	318.91	273.80	-123.00	35.92	114.88	-194.43	10.98	-24.81	-1.59	-12.24	17.08
		513	704.18	72.26	-1004.18	35.92	-967.83	-194.43	10.34	-24.34	-1.59	-12.41	16.47
116	6	251	806.52	293.51	-1003.11	262.96	-972.56	-196.67	15.44	-19.09	-0.90	-2.76	17.24
		515	344.58	398.44	-22.53	262.96	112.96	-196.67	16.20	-19.35	-0.27	-2.88	17.73
		514	323.52	278.56	-120.61	45.00	112.96	-196.67	11.50	-25.69	-0.98	-13.21	17.56
		513	712.09	81.68	-1009.25	45.00	-972.56	-196.67	10.66	-25.36	-1.61	-13.09	17.07
116	7	251	779.98	290.23	-965.87	261.33	-936.97	-188.32	14.85	-18.57	-0.99	-2.73	16.69
		515	333.88	388.23	-18.16	261.33	108.74	-188.32	15.58	-18.94	-0.61	-2.75	17.23
		514	311.60	266.49	-116.09	41.67	108.74	-188.32	11.11	-25.13	-1.23	-12.79	17.17
		513	685.34	76.66	-971.96	41.67	-936.97	-188.32	10.35	-24.74	-1.62	-12.78	16.63
116	8	251	654.06	220.19	-735.94	197.90	-713.66	-144.26	52.75	-40.91	12.17	-0.32	46.41
		515	350.94	296.08	-14.07	197.90	84.11	-144.26	62.65	-33.13	44.78	-15.26	37.31
		514	358.81	203.26	-90.54	28.61	84.11	-144.26	34.85	-61.40	29.99	-56.54	21.08
		513	593.48	55.66	-740.71	28.61	-713.66	-144.26	13.82	-58.03	-2.62	-41.60	30.18
116	9	251	746.18	172.86	-1004.34	135.69	-967.17	-205.85	12.85	-10.57	3.16	-0.89	11.53
		515	288.81	328.61	-83.96	135.69	108.97	-205.85	11.67	-7.17	5.38	-0.88	8.89
		514	290.08	284.98	-131.79	44.22	108.97	-205.85	6.82	-12.94	1.69	-7.81	8.66
		513	704.92	84.52	-1007.46	44.22	-967.17	-205.85	7.71	-16.05	-0.53	-7.81	11.31
116	10	251	596.09	202.28	-698.39	181.27	-677.38	-135.94	37.53	-30.36	7.76	-0.59	33.69
		515	293.85	274.78	-16.35	181.27	77.16	-135.94	43.35	-24.79	28.86	-10.30	27.88
		514	293.47	190.41	-86.02	27.23	77.16	-135.94	24.02	-43.30	19.21	-38.50	17.33
		513	537.34	52.54	-702.70	27.23	-677.38	-135.94	11.42	-42.10	-1.90	-28.78	23.14
116	11	251	574.12	204.13	-717.29	182.29	-695.45	-140.15	10.91	-13.45	-0.66	-1.88	12.16
		515	244.03	280.11	-18.52	182.29	79.29	-140.15	11.41	-13.71	-0.38	-1.93	12.53
		514	229.73	197.25	-87.23	30.73	79.29	-140.15	8.26	-17.94	-0.81	-8.88	12.46
		513	507.39	56.84	-721.56	30.73	-695.45	-140.15	7.74	-17.66	-1.09	-8.83	12.09
117	1	263	1499.52	90.49	-2079.92	-6.63	-1982.79	-448.75	2.18	-36.16	1.42	-35.41	5.32

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		519	570.60	575.74	-352.41	-6.63	229.96	-448.75	8.26	-17.03	8.01	-16.78	2.50
		518	615.42	617.69	-289.41	98.31	229.96	-448.75	22.04	-14.22	7.06	0.76	17.85
		517	1466.30	190.95	-2075.43	98.31	-1982.79	-448.75	13.93	-31.31	0.47	-17.86	20.68
117	2	263	1205.28	63.78	-1683.71	-14.17	-1605.77	-360.74	-1.50	-34.44	-4.11	-31.83	8.90
		519	495.96	448.92	-295.19	-14.17	167.90	-360.74	5.85	-22.72	0.47	-17.34	11.17
		518	537.47	489.29	-237.02	84.37	167.90	-360.74	21.21	-27.06	3.84	-9.69	23.17
		517	1206.28	158.14	-1679.54	84.37	-1605.77	-360.74	11.50	-36.43	-0.75	-24.18	20.91
117	3	263	1162.83	64.00	-1670.14	-16.15	-1589.99	-364.10	-2.69	-34.77	-11.83	-25.63	14.48
		519	552.63	442.66	-305.09	-16.15	153.72	-364.10	12.00	-37.96	-9.44	-16.52	24.73
		518	588.65	493.98	-235.90	104.36	153.72	-364.10	22.46	-47.16	0.57	-25.27	32.32
		517	1227.40	179.29	-1664.92	104.36	-1589.99	-364.10	9.34	-45.53	-1.82	-34.38	22.08
117	4	263	1213.73	64.46	-1670.84	-15.90	-1590.47	-364.68	1.19	-34.77	0.49	-34.07	4.96
		519	460.95	443.19	-305.59	-15.90	153.50	-364.68	6.14	-17.05	5.92	-16.83	2.26
		518	505.26	494.97	-235.97	105.49	153.50	-364.68	19.42	-14.01	5.06	0.36	16.55
		517	1188.94	180.58	-1665.57	105.49	-1590.47	-364.68	12.32	-29.58	-0.37	-16.89	19.25
117	5	263	1220.22	63.29	-1677.67	-16.67	-1597.70	-364.45	1.12	-35.89	0.38	-35.15	5.17
		519	462.80	444.70	-304.55	-16.67	156.81	-364.45	6.10	-17.72	5.86	-17.48	2.41
		518	507.60	494.77	-236.20	101.75	156.81	-364.45	19.96	-14.48	5.03	0.45	17.06
		517	1192.19	176.61	-1672.56	101.75	-1597.70	-364.45	12.69	-30.36	-0.45	-17.22	19.82
117	6	263	1250.24	65.89	-1718.18	-16.58	-1635.71	-374.60	1.03	-37.01	0.25	-36.23	5.40
		519	475.86	456.59	-313.14	-16.58	160.03	-374.60	6.08	-18.38	5.81	-18.10	2.60
		518	522.06	509.31	-241.72	107.56	160.03	-374.60	20.55	-15.01	5.02	0.52	17.64
		517	1221.88	184.65	-1712.80	107.56	-1635.71	-374.60	13.07	-31.22	-0.54	-17.61	20.43
117	7	263	1215.24	63.50	-1672.65	-16.81	-1592.33	-364.68	0.97	-35.41	0.19	-34.64	5.25
		519	463.30	442.89	-306.11	-16.81	153.60	-364.68	5.91	-17.58	5.59	-17.26	2.72
		518	508.07	495.09	-235.85	105.64	153.60	-364.68	19.77	-14.85	4.93	-2.74e-03	17.13
		517	1190.79	180.65	-1667.34	105.64	-1592.33	-364.68	12.48	-30.33	-0.47	-17.39	19.66
117	8	263	897.03	43.41	-1295.02	-18.07	-1233.54	-280.20	-2.09	-27.66	-10.12	-19.62	11.87
		519	433.68	340.62	-236.95	-18.07	121.75	-280.20	10.09	-31.58	-8.40	-13.08	20.70
		518	460.98	380.98	-181.11	78.13	121.75	-280.20	17.40	-39.41	0.06	-22.07	26.16
		517	954.98	135.48	-1290.88	78.13	-1233.54	-280.20	6.82	-37.08	-1.65	-28.61	17.33
117	9	263	1013.57	62.50	-1403.17	-3.46	-1337.21	-303.86	1.38	-25.23	0.82	-24.68	3.81
		519	385.93	386.06	-240.49	-3.46	149.02	-303.86	5.48	-11.97	5.26	-11.75	1.94
		518	418.01	416.14	-196.63	70.49	149.02	-303.86	15.44	-10.11	4.72	0.61	12.61
		517	990.65	133.28	-1400.00	70.49	-1337.21	-303.86	9.77	-21.81	0.28	-12.32	14.48
117	10	263	826.40	47.79	-1175.52	-8.74	-1118.99	-256.83	-1.96	-23.83	-6.54	-19.24	8.90
		519	375.87	312.19	-214.27	-8.74	106.66	-256.83	6.71	-22.75	-4.43	-11.61	14.29
		518	403.02	347.61	-167.10	73.85	106.66	-256.83	15.59	-28.33	1.11	-13.86	20.65
		517	857.91	126.80	-1171.93	73.85	-1118.99	-256.83	7.14	-29.63	-0.99	-21.50	15.26
117	11	263	875.08	48.84	-1202.21	-8.98	-1144.39	-262.66	0.74	-25.71	0.17	-25.13	3.85
		519	333.34	319.93	-218.74	-8.98	110.17	-262.66	4.27	-12.72	4.04	-12.48	1.99
		518	366.38	356.13	-170.33	75.63	110.17	-262.66	14.61	-10.56	3.58	0.47	12.49
		517	854.88	129.78	-1198.53	75.63	-1144.39	-262.66	9.30	-21.76	-0.28	-12.18	14.35
118	1	280	980.87	210.22	-1204.44	201.47	-1195.69	-110.90	55.00	-13.40	9.79	31.82	32.38
		523	569.37	216.89	-596.39	201.47	-580.98	-110.90	38.73	-27.33	0.48	10.92	32.61
		522	438.72	31.28	-601.06	11.19	-580.98	-110.90	14.97	-16.18	-0.65	-0.57	15.58
		521	866.78	21.29	-1205.79	11.19	-1195.69	-110.90	30.91	-1.91	8.66	20.34	15.34
118	2	280	1047.34	242.83	-1233.02	231.04	-1221.23	-131.39	71.80	-13.84	14.88	43.08	40.43
		523	617.70	251.67	-605.78	231.04	-585.15	-131.39	48.92	-28.38	3.33	17.20	38.02
		522	476.47	42.48	-612.65	14.97	-585.15	-131.39	21.33	-13.57	-0.36	8.12	16.93
		521	926.93	28.79	-1235.04	14.97	-1121.23	-131.39	45.04	0.14	11.19	33.99	19.34
118	3	280	1453.34	53.16	-1572.78	15.68	-1535.30	-243.99	155.05	-10.75	20.53	123.77	64.87
		523	839.92	98.95	-699.26	15.68	-615.98	-243.99	103.22	-50.29	-7.78	60.71	68.69
		522	633.82	63.71	-703.57	-23.87	-615.98	-243.99	46.85	-11.66	-5.99	41.19	17.30
		521	1311.43	14.54	-1573.71	-23.87	-1535.30	-243.99	106.41	-20.15	22.31	104.25	13.48
118	4	280	1163.25	44.15	-1508.93	17.02	-1481.80	-203.47	17.63	-59.10	12.34	-53.82	19.43
		523	653.16	70.61	-755.58	17.02	-701.99	-203.47	15.71	-52.85	13.51	-50.65	12.07
		522	633.27	42.83	-757.58	-12.75	-701.99	-203.47	8.86	-55.98	5.35	-52.47	14.68
		521	1145.31	14.91	-1509.46	-12.75	-1481.80	-203.47	11.42	-62.87	4.18	-55.63	22.03
118	5	280	939.94	160.18	-1303.28	145.25	-1288.36	-147.04	36.11	-20.45	16.35	-0.69	26.97
		523	526.75	172.46	-649.33	145.25	-622.12	-147.04	26.02	-28.19	10.81	-12.98	24.35
		522	506.27	39.92	-654.77	7.27	-622.12	-147.04	11.84	-31.48	6.42	-26.05	14.34
		521	919.07	23.74	-1304.83	7.27	-1288.36	-147.04	20.37	-22.18	11.95	-13.76	16.96
118	6	280	973.98	201.52	-1210.65	193.32	-1202.45	-107.31	60.24	-10.87	17.25	32.12	34.77
		523	554.55	207.94	-594.62	193.32	-580.01	-107.31	43.51	-25.58	7.88	10.06	34.53
		522	419.63	34.53	-598.74	15.79	-580.01	-107.31	17.43	-17.52	5.72	-5.81	16.50
		521	854.56	25.17	-1211.83	15.79	-1202.45	-107.31	32.42	-1.07	15.08	16.26	16.73
118	7	280	964.53	160.75	-1204.58	151.94	-1195.78	-109.29	60.48	-16.56	12.43	31.50	37.32
		523	556.58	167.86	-598.34	151.94	-582.42	-109.29	44.72	-31.68	3.27	9.76	38.06
		522	434.95	12.57	-602.49	-7.50	-582.42	-109.29	20.40	-20.52	2.58	-2.70	20.29
		521	858.14	2.46	-1205.74	-7.50	-1195.78	-109.29	35.27	-4.50	11.73	19.03	19.54
118	8	280	1153.26	35.97	-1231.65	4.69	-1200.37	-196.65	127.04	-7.96	16.31	102.77	51.84

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		523	667.26	75.36	-542.54	4.69	-471.87	-196.65	84.30	-40.21	-6.95	51.04	55.09
		522	500.22	54.65	-545.32	-18.80	-471.87	-196.65	39.16	-9.08	-5.32	35.39	12.95
		521	1039.90	13.07	-1232.24	-18.80	-1200.37	-196.65	88.46	16.62	17.95	87.12	9.70
118	9	280	699.69	137.93	-865.22	131.37	-858.66	-80.84	40.31	-10.20	7.50	22.61	24.10
		523	405.11	143.02	-429.64	131.37	-417.99	-80.84	28.64	-20.39	0.82	7.43	24.29
		522	314.92	19.04	-432.94	4.09	-417.99	-80.84	11.52	-12.31	0.04	-0.82	11.91
		521	621.04	11.60	-866.17	4.09	-858.66	-80.84	22.86	-1.79	6.72	14.36	11.72
118	10	280	961.75	49.99	-1069.17	28.15	-1047.33	-154.78	95.38	-8.22	13.47	73.70	42.15
		523	554.42	74.91	-484.20	28.15	-437.44	-154.78	64.07	-32.74	-3.77	35.09	44.33
		522	423.40	35.29	-488.12	-15.39	-437.44	-154.78	27.77	-8.33	-2.93	22.37	12.87
		521	868.17	7.33	-1070.05	-15.39	-1047.33	-154.78	63.31	11.97	14.30	60.98	10.68
118	11	280	696.02	133.09	-868.66	126.84	-862.42	-78.85	43.24	-8.82	11.65	22.78	25.43
		523	397.16	138.03	-428.64	126.84	-417.45	-78.85	31.32	-19.43	4.93	6.95	25.35
		522	304.45	20.83	-431.63	6.64	-417.45	-78.85	12.86	-13.03	3.57	-3.73	12.42
		521	614.30	13.74	-869.51	6.64	-862.42	-78.85	23.71	-1.33	10.29	12.09	12.49
119	1	290	960.96	199.78	-1302.03	194.94	-1297.20	-85.08	43.56	-20.82	16.09	6.65	31.84
		528	513.44	204.04	-600.55	194.94	-591.45	-85.08	41.00	0.35	24.07	17.28	20.04
		527	486.82	22.78	-603.23	10.99	-591.45	-85.08	42.84	-14.21	11.33	17.30	28.37
		526	926.33	16.50	-1302.71	10.99	-1297.20	-85.08	45.21	-35.20	3.34	6.67	40.17
119	2	290	1090.16	185.75	-1379.81	176.09	-1370.15	-122.59	64.39	-22.70	12.43	29.26	42.72
		528	601.84	194.66	-632.96	176.09	-614.39	-122.59	60.40	-6.40	22.43	31.57	33.09
		527	569.96	38.73	-637.40	15.72	-614.39	-122.59	57.77	-13.27	12.13	32.37	34.04
		526	1053.53	26.48	-1380.91	15.72	-1370.15	-122.59	61.95	-29.76	2.12	30.07	43.68
119	3	290	1384.47	-43.42	-1625.97	-52.79	-1616.60	-121.44	111.75	-17.14	-12.02	106.63	25.17
		528	795.88	-31.54	-746.79	-52.79	-725.54	-121.44	115.99	-2.70	7.59	105.70	33.40
		527	758.58	6.16	-745.69	-14.00	-725.54	-121.44	102.14	4.07	14.76	91.44	30.57
		526	1348.01	-4.85	-1625.75	-14.00	-1616.60	-121.44	97.26	-9.74	-4.85	92.37	22.34
119	4	290	1331.92	-48.13	-1651.14	-58.31	-1640.96	-127.34	46.11	-103.31	25.37	-82.56	51.66
		528	661.33	-33.27	-705.88	-58.31	-680.84	-127.34	55.71	-62.70	50.52	-57.51	24.24
		527	599.61	-21.77	-705.44	-46.37	-680.84	-127.34	42.53	-68.94	21.99	-48.40	43.22
		526	1283.22	-36.27	-1651.07	-46.37	-1640.96	-127.34	40.59	-117.22	-3.17	-73.46	70.65
119	5	290	1130.55	82.89	-1439.70	73.49	-1430.30	-119.28	53.79	-60.81	31.41	-38.43	45.43
		528	561.46	93.97	-621.18	73.49	-600.70	-119.28	62.22	-16.76	56.99	-11.54	19.62
		527	473.51	-10.07	-624.78	-34.16	-600.70	-119.28	52.34	-39.31	28.62	-15.59	40.14
		526	1072.61	-24.04	-1440.42	-34.16	-1430.30	-119.28	50.04	-89.49	3.04	-42.48	65.95
119	6	290	985.38	179.78	-1310.50	174.70	-1305.42	-86.82	60.94	-29.22	30.41	1.31	42.67
		528	492.91	184.80	-571.73	174.70	-561.63	-86.82	61.05	7.88	48.84	20.09	22.36
		527	461.68	4.15	-574.96	-9.18	-561.63	-86.82	56.33	-18.23	25.95	12.15	36.63
		526	915.02	-3.39	-1311.21	-9.18	-1305.42	-86.82	57.82	-56.93	7.52	-6.63	56.94
119	7	290	950.54	148.88	-1304.67	143.68	-1299.48	-86.77	49.51	-24.26	17.70	7.55	36.53
		528	502.50	153.78	-601.70	143.68	-591.60	-86.77	46.88	-3.65	26.01	17.22	24.88
		527	490.27	6.33	-604.19	-6.26	-591.60	-86.77	47.78	-17.05	13.43	17.30	32.36
		526	928.82	-0.46	-1305.27	-6.26	-1299.48	-86.77	50.40	-37.65	5.12	7.62	44.01
119	8	290	1097.78	-43.83	-1270.42	-51.22	-1263.03	-94.91	93.22	-14.75	-11.60	90.06	18.18
		528	633.77	-34.22	-581.12	-51.22	-564.12	-94.91	95.84	-3.27	4.17	88.39	26.13
		527	602.34	6.20	-579.91	-9.59	-564.12	-94.91	83.68	3.96	11.31	76.33	23.06
		526	1067.96	-2.44	-1270.18	-9.59	-1263.03	-94.91	80.68	-7.15	-4.47	78.00	15.12
119	9	290	684.47	128.30	-932.54	124.65	-928.89	-62.14	32.11	-15.51	11.61	4.99	23.58
		528	365.39	131.58	-432.48	124.65	-425.55	-62.14	30.45	-0.44	17.54	12.48	15.24
		527	350.52	11.99	-434.38	3.17	-425.55	-62.14	31.63	-10.69	8.52	12.42	21.07
		526	663.37	7.29	-933.02	3.17	-928.89	-62.14	33.20	-25.67	2.59	4.94	29.41
119	10	290	919.21	-6.81	-1112.50	-12.98	-1106.34	-82.34	66.16	-9.64	-4.01	60.53	19.87
		528	522.55	0.56	-513.59	-12.98	-500.05	-82.34	69.94	0.04	8.38	61.60	22.66
		527	500.68	2.77	-513.53	-10.72	-500.05	-82.34	63.06	0.99	10.43	53.61	22.29
		526	896.08	-4.56	-1112.49	-10.72	-1106.34	-82.34	58.81	-8.22	-1.96	52.55	19.51
119	11	290	692.67	117.19	-937.25	113.40	-933.46	-63.10	41.66	-20.07	19.56	2.03	29.59
		528	343.59	120.92	-416.51	113.40	-408.99	-63.10	41.31	4.02	31.30	14.04	16.53
		527	336.42	1.66	-418.69	-8.04	-408.99	-63.10	39.01	-12.80	16.64	9.56	25.66
		526	656.91	-3.75	-937.75	-8.04	-933.46	-63.10	40.13	-37.67	4.91	-2.45	38.73
120	1	300	1089.64	282.33	-1331.99	281.66	-1331.33	-32.84	60.61	-36.41	-0.21	24.42	46.92
		532	652.55	282.81	-656.47	281.66	-655.32	-32.84	52.97	-49.45	-6.52	10.04	50.54
		531	540.37	29.05	-656.89	27.47	-655.32	-32.84	47.72	-32.19	-1.74	17.27	38.81
		530	995.42	28.27	-1332.12	27.47	-1331.33	-32.84	55.81	-19.59	4.57	31.65	35.19
120	2	300	1230.18	286.14	-1450.46	282.75	-1447.07	-76.64	78.12	-26.32	3.99	47.81	47.40
		532	731.35	289.00	-657.12	282.75	-650.87	-76.64	59.74	-54.15	-18.75	24.34	52.71
		531	610.81	25.28	-659.56	16.59	-650.87	-76.64	56.17	-29.33	-11.35	38.19	34.85
		530	1141.97	20.59	-1451.07	16.59	-1447.07	-76.64	75.31	-2.25	11.39	61.66	29.53
120	3	300	1098.03	412.00	-1301.77	411.52	-1301.29	28.70	38.70	-22.54	-2.50	18.66	-28.74
		532	816.29	412.29	-658.27	411.52	-657.50	28.70	42.63	-48.43	-42.87	37.07	-21.80
		531	682.67	-15.50	-658.79	-16.78	-657.50	28.70	76.96	-30.62	-30.59	76.94	-1.77
		530	1008.14	-16.14	-1301.93	-16.78	-1301.29	28.70	60.03	8.27	9.78	58.52	-8.71
120	4	300	1056.59	157.50	-1383.90	157.31	-1383.71	17.04	73.09	-82.54	-11.09	1.64	77.56

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		532	720.60	157.65	-698.20	157.31	-697.86	17.04	59.03	-122.69	-29.15	-34.52	90.82
		531	593.04	-40.44	-698.30	-40.88	-697.86	17.04	41.20	-82.62	-13.97	-27.45	61.54
		530	949.25	-40.66	-1383.93	-40.88	-1383.71	17.04	54.73	-41.94	4.08	8.71	48.28
120	5	300	1085.05	126.60	-1417.74	125.98	-1417.13	-30.89	63.83	-74.32	-15.54	5.04	68.31
		532	668.20	127.09	-735.78	125.98	-734.67	-30.89	53.23	-110.41	-31.32	-25.86	81.77
		531	568.61	-16.82	-736.00	-18.15	-734.67	-30.89	46.00	-67.81	-14.54	-7.26	56.79
		530	1027.58	-17.47	-1417.81	-18.15	-1417.13	-30.89	57.19	-32.30	1.25	23.64	43.32
120	6	300	1102.70	221.11	-1324.01	220.70	-1323.60	-25.19	71.36	-53.99	-11.68	29.04	59.27
		532	705.78	221.39	-701.17	220.70	-700.48	-25.19	63.10	-82.22	-22.69	3.57	71.47
		531	589.43	12.49	-701.37	11.60	-700.48	-25.19	56.76	-47.60	-7.90	17.05	50.67
		530	1016.77	12.08	-1324.07	11.60	-1323.60	-25.19	66.05	-20.41	3.11	42.53	38.47
120	7	300	1082.39	237.93	-1323.55	237.29	-1322.91	-31.56	64.75	-39.07	-2.51	28.19	49.58
		532	649.04	238.41	-654.85	237.29	-653.73	-31.56	57.57	-54.80	-8.94	11.70	55.23
		531	546.70	17.13	-655.22	15.65	-653.73	-31.56	52.02	-34.13	-1.88	19.76	41.69
		530	998.61	16.39	-1323.65	15.65	-1322.91	-31.56	59.78	-18.98	4.55	36.25	36.05
120	8	300	854.07	336.67	-994.80	336.08	-994.21	27.95	35.56	-23.48	-1.85	13.93	-28.45
		532	653.51	337.01	-502.69	336.08	-501.76	27.95	38.15	-42.58	-35.33	30.90	-23.08
		531	539.81	-11.50	-503.35	-13.09	-501.76	27.95	64.12	-25.85	-25.57	63.84	-5.00
		530	777.46	-12.30	-995.01	-13.09	-994.21	27.95	49.46	5.32	7.91	46.87	-10.37
120	9	300	773.46	187.81	-950.37	187.30	-949.86	-24.07	43.41	-26.37	-0.57	17.61	33.68
		532	463.60	188.18	-470.92	187.30	-470.04	-24.07	38.05	-36.27	-5.36	7.14	36.63
		531	387.96	16.23	-471.23	15.04	-470.04	-24.07	34.59	-23.40	-1.52	12.71	28.11
		530	710.44	15.64	-950.46	15.04	-949.86	-24.07	40.29	-13.83	3.28	23.18	25.17
120	10	300	766.79	259.53	-933.26	259.45	-933.17	10.12	17.94	-5.36	-1.84	14.41	-8.35
		532	536.90	259.59	-471.39	259.45	-471.25	10.12	22.43	-25.82	-25.56	22.16	-3.56
		531	458.22	-9.33	-471.47	-9.55	-471.25	10.12	46.34	-18.03	-17.54	45.86	5.57
		530	712.63	-9.44	-933.28	-9.55	-933.17	10.12	38.13	6.16	6.18	38.11	0.78
120	11	300	780.72	153.79	-945.93	153.44	-945.57	-19.82	49.38	-36.13	-6.94	20.18	40.55
		532	493.13	154.04	-495.73	153.44	-495.13	-19.82	43.68	-54.48	-14.35	3.55	48.25
		531	415.19	7.00	-495.91	6.22	-495.13	-19.82	39.61	-31.96	-4.94	12.59	34.70
		530	722.31	6.63	-945.98	6.22	-945.57	-19.82	45.97	-14.28	2.47	29.22	26.99
121	1	310	1049.08	490.59	-1188.72	487.25	-1185.37	-74.82	53.50	-38.16	5.98	9.36	45.80
		304	710.00	492.22	-638.17	487.25	-633.20	-74.82	50.70	-23.89	11.46	15.36	37.25
		308	574.76	44.24	-641.46	35.98	-633.20	-74.82	58.94	-28.01	3.65	27.28	41.84
		307	919.00	40.54	-1189.94	35.98	-1185.37	-74.82	61.43	-41.97	-1.83	21.28	50.39
121	2	310	1205.47	394.54	-1316.04	390.91	-1312.40	-78.74	90.98	-21.78	11.80	57.40	51.57
		304	789.42	396.63	-693.15	390.91	-687.44	-78.74	83.79	-12.17	17.89	53.73	44.51
		308	657.27	36.63	-696.00	28.06	-687.44	-78.74	77.49	-14.45	10.17	52.87	40.72
		307	1075.77	32.67	-1317.01	28.06	-1312.40	-78.74	84.81	-24.19	4.08	56.54	47.77
121	3	310	959.39	398.95	-1128.14	398.86	-1128.05	-11.49	55.81	-3.70	23.24	28.87	29.62
		304	666.15	398.98	-715.97	398.86	-715.86	-11.49	56.87	38.70	52.51	43.05	7.76
		308	565.03	47.65	-716.03	47.47	-715.86	-11.49	50.66	15.43	28.26	37.84	16.95
		307	854.77	47.59	-1128.16	47.47	-1128.05	-11.49	52.05	-29.41	-1.01	23.65	38.82
121	4	310	1023.83	475.40	-1140.46	474.10	-1139.16	-45.81	58.41	-51.24	-0.32	7.49	54.69
		304	717.76	476.01	-624.83	474.10	-622.92	-45.81	57.54	-46.87	1.30	9.37	52.05
		308	545.06	15.77	-626.20	12.49	-622.92	-45.81	59.75	-48.14	-1.14	12.75	53.50
		307	855.39	14.31	-1140.98	12.49	-1139.16	-45.81	60.60	-52.50	-2.76	10.87	56.14
121	5	310	1052.72	450.54	-1220.90	447.58	-1217.94	-70.27	55.04	-45.00	3.54	6.50	50.00
		304	697.40	452.17	-626.94	447.58	-622.34	-70.27	51.10	-38.00	3.60	9.49	44.45
		308	559.49	18.41	-630.05	10.71	-622.34	-70.27	57.61	-38.77	-1.13	19.97	47.02
		307	921.27	14.71	-1221.94	10.71	-1217.94	-70.27	61.24	-45.45	-1.19	16.98	52.57
121	6	310	1060.31	508.11	-1193.15	503.86	-1188.90	-84.90	50.03	-35.66	4.93	9.44	42.79
		304	722.02	510.28	-619.18	503.86	-612.76	-84.90	47.48	-24.56	6.14	16.78	35.62
		308	583.43	40.82	-623.79	29.79	-612.76	-84.90	61.37	-28.33	0.31	32.73	41.82
		307	930.00	35.67	-1194.79	29.79	-1188.90	-84.90	62.96	-38.47	-0.90	25.38	48.98
121	7	310	1015.21	484.00	-1139.62	481.17	-1136.79	-67.77	49.58	-34.20	4.55	10.84	41.77
		304	701.70	485.36	-615.82	481.17	-611.63	-67.77	47.80	-22.93	7.23	17.64	34.98
		308	563.98	34.01	-618.74	26.89	-611.63	-67.77	59.40	-26.92	1.49	30.99	40.56
		307	884.46	30.83	-1140.72	26.89	-1136.79	-67.77	60.53	-37.53	-1.19	24.19	47.36
121	8	310	728.29	309.90	-852.46	309.89	-852.45	-2.83	42.75	-0.06	19.23	23.46	21.30
		304	519.22	309.90	-553.56	309.89	-553.55	-2.83	45.11	34.15	43.96	35.30	3.36
		308	434.27	38.80	-553.56	38.79	-553.55	-2.83	38.28	15.49	23.92	29.84	11.00
		307	645.45	38.80	-852.46	38.79	-852.45	-2.83	39.03	-21.84	-0.81	17.99	28.95
121	9	310	746.27	337.19	-852.51	334.77	-850.10	-53.57	38.11	-26.80	4.20	7.11	32.43
		304	502.18	338.40	-456.06	334.77	-452.43	-53.57	35.94	-17.20	7.59	11.14	26.51
		308	410.62	29.44	-458.39	23.49	-452.43	-53.57	41.92	-19.89	2.24	19.79	29.63
		307	658.35	26.76	-853.37	23.49	-850.10	-53.57	43.84	-29.24	-1.15	15.76	35.55
121	10	310	695.44	285.98	-818.55	285.67	-818.25	-18.38	39.40	-7.67	13.79	17.95	23.44
		304	472.30	286.10	-498.79	285.67	-498.36	-18.38	38.78	18.15	30.40	26.53	10.13
		308	401.11	30.51	-498.99	29.87	-498.36	-18.38	37.33	4.24	15.91	25.66	15.81
		307	622.01	30.27	-818.65	29.87	-818.25	-18.38	38.63	-22.26	-0.70	17.07	29.12
121	11	310	752.46	346.92	-854.97	344.01	-852.05	-59.17	36.19	-25.42	3.62	7.15	30.75

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		304	508.73	348.44	-445.52	344.01	-441.08	-59.17	34.16	-17.58	4.64	11.93	25.61
		308	415.41	27.52	-448.55	20.05	-441.08	-59.17	43.28	-20.07	0.39	22.82	29.62
		307	664.46	24.04	-856.05	20.05	-852.05	-59.17	44.70	-27.30	-0.63	18.03	34.77
122	1	320	3252.95	66.93	-3967.00	-189.61	-3710.46	-984.41	208.10	-41.69	3.29	163.13	95.98
		176	1714.26	836.45	-1134.05	-189.61	-107.98	-984.41	143.61	-114.29	-25.15	54.47	122.65
		122	1320.63	1131.66	-889.70	349.95	-107.98	-984.41	39.43	-26.42	-1.17	14.19	32.02
		98	3109.86	576.02	-3936.53	349.95	-3710.46	-984.41	123.14	26.97	27.27	122.84	5.35
122	2	320	3184.72	34.80	-3860.44	-201.43	-3624.21	-929.71	213.61	-32.71	2.34	178.56	86.05
		176	1618.73	745.97	-1113.79	-201.43	-166.38	-929.71	154.69	-91.59	-19.63	82.72	112.00
		122	1278.47	1045.36	-879.71	332.04	-166.38	-929.71	61.84	-13.54	3.82	44.47	31.74
		98	3073.32	539.63	-3831.80	332.04	-3624.21	-929.71	140.60	25.50	25.79	140.31	5.79
122	3	320	3115.00	49.73	-3819.12	-197.97	-3571.42	-947.08	200.02	-29.98	9.82	160.23	87.00
		176	1604.29	788.58	-1107.17	-197.97	-120.62	-947.08	136.22	-90.80	-13.17	58.58	107.69
		122	1234.49	1084.04	-865.20	339.46	-120.62	-947.08	34.32	-12.63	4.25	17.44	22.53
		98	2989.12	556.74	-3788.70	339.46	-3571.42	-947.08	119.12	27.20	27.24	119.09	1.83
122	4	320	3130.80	70.81	-3819.78	-177.95	-3571.02	-951.81	196.28	-47.49	-1.59	150.37	95.30
		176	1679.36	806.23	-1098.45	-177.95	-114.27	-951.81	138.25	-120.05	-28.88	47.08	123.44
		122	1304.63	1088.99	-867.18	336.09	-114.27	-951.81	39.81	-35.56	-3.23	7.48	37.30
		98	2986.25	555.63	-3790.56	336.09	-3571.02	-951.81	111.73	23.09	24.05	110.78	9.16
122	5	320	3147.57	61.41	-3829.86	-181.85	-3586.60	-942.02	202.56	-43.54	0.63	158.39	94.44
		176	1664.94	792.36	-1092.75	-181.85	-118.54	-942.02	141.84	-115.78	-27.37	53.43	122.31
		122	1284.12	1074.61	-862.29	330.86	-118.54	-942.02	41.29	-30.01	-2.07	13.35	34.81
		98	3002.04	545.61	-3801.36	330.86	-3586.60	-942.02	118.83	25.41	25.93	118.31	6.94
122	6	320	3254.87	71.55	-3967.30	-185.93	-3709.81	-986.73	208.41	-40.24	3.78	164.38	94.91
		176	1711.51	841.67	-1133.41	-185.93	-105.81	-986.73	142.94	-113.14	-25.79	55.59	121.41
		122	1319.04	1134.72	-890.66	349.86	-105.81	-986.73	39.78	-24.56	-1.80	17.01	30.77
		98	3115.24	576.99	-3936.94	349.86	-3709.81	-986.73	125.99	27.59	27.78	125.81	4.27
122	7	320	3131.34	67.72	-3826.11	-180.49	-3577.90	-951.26	198.42	-38.69	3.58	156.15	90.75
		176	1645.26	807.09	-1096.76	-180.49	-109.19	-951.26	136.47	-107.89	-24.16	52.74	115.97
		122	1272.69	1091.94	-862.56	338.57	-109.19	-951.26	38.21	-23.77	-1.35	15.79	29.78
		98	3000.69	557.39	-3796.72	338.57	-3577.90	-951.26	119.42	26.17	26.39	119.20	4.56
122	8	320	2407.67	38.62	-2954.61	-154.09	-2761.90	-734.63	154.26	-22.45	8.25	123.57	66.94
		176	1238.57	613.51	-857.17	-154.09	-89.57	-734.63	104.46	-68.97	-9.36	44.84	82.37
		122	951.93	842.67	-668.49	263.75	-89.57	-734.63	25.36	-8.80	3.50	13.06	16.39
		98	2311.36	432.69	-2930.84	263.75	-2761.90	-734.63	91.80	21.09	21.10	91.79	0.97
122	9	320	2278.22	45.73	-2777.67	-132.86	-2599.07	-687.28	146.03	-29.03	2.19	114.81	67.01
		176	1198.65	580.66	-794.87	-132.86	-81.35	-687.28	101.22	-79.63	-17.58	39.17	85.86
		122	924.82	787.66	-624.90	244.11	-81.35	-687.28	28.59	-18.34	-0.62	10.86	22.76
		98	2178.39	401.53	-2756.49	244.11	-2599.07	-687.28	86.73	18.93	19.15	86.50	3.91
122	10	320	2201.58	36.18	-2695.51	-137.50	-2521.83	-666.55	141.54	-22.53	5.81	113.20	62.02
		176	1137.55	554.06	-779.93	-137.50	-88.37	-666.55	97.11	-66.58	-10.92	41.45	77.55
		122	877.03	761.22	-611.31	238.28	-88.37	-666.55	25.76	-10.69	2.40	12.67	17.48
		98	2111.32	390.82	-2674.36	238.28	-2521.83	-666.55	84.48	19.07	19.13	84.42	1.96
122	11	320	2279.30	48.30	-2777.83	-130.82	-2598.71	-688.57	146.20	-28.23	2.46	115.51	66.42
		176	1197.14	583.56	-794.51	-130.82	-80.14	-688.57	100.85	-78.99	-17.93	39.79	85.16
		122	923.96	789.36	-625.43	244.06	-80.14	-688.57	28.79	-17.32	-0.96	12.43	22.06
		98	2181.39	402.06	-2756.72	244.06	-2598.71	-688.57	88.31	19.27	19.43	88.15	3.31
123	1	224	966.76	-1.63	-1320.42	-74.90	-1247.14	-302.10	21.05	-22.20	-19.50	18.36	10.46
		406	538.88	569.22	-216.59	-74.90	427.53	-302.10	25.03	-21.82	-3.49	6.70	22.86
		405	504.28	576.95	-183.30	-33.88	427.53	-302.10	27.17	-9.24	3.66	14.27	17.41
		403	979.21	37.18	-1318.20	-33.88	-1247.14	-302.10	26.58	-13.00	-12.35	25.94	5.01
123	2	224	970.45	8.32	-1321.41	-64.72	-1248.37	-302.97	20.72	-22.40	-19.78	18.10	10.29
		406	535.21	571.52	-209.00	-64.72	427.24	-302.97	24.43	-21.77	-4.13	6.78	22.45
		405	502.59	578.33	-180.32	-29.24	427.24	-302.97	26.57	-9.54	2.88	14.16	17.15
		403	981.20	41.91	-1319.51	-29.24	-1248.37	-302.97	26.12	-13.42	-12.78	25.48	4.99
123	3	224	1001.66	-17.96	-1372.78	-95.82	-1294.92	-315.32	22.13	-24.31	-21.50	19.31	11.08
		406	559.98	582.08	-242.48	-95.82	435.42	-315.32	25.21	-23.34	-5.07	6.94	23.52
		405	520.00	593.35	-194.10	-36.16	435.42	-315.32	27.30	-10.41	2.13	14.76	17.77
		403	1019.70	38.40	-1369.49	-36.16	-1294.92	-315.32	27.81	-14.97	-14.29	27.13	5.32
123	4	224	1003.75	-17.13	-1371.52	-94.87	-1293.77	-315.05	41.39	-20.14	41.27	-20.02	2.66
		406	504.88	581.69	-241.58	-94.87	434.98	-315.05	22.57	16.56	21.65	17.48	-2.16
		405	541.45	593.23	-192.25	-34.00	434.98	-315.05	24.48	-8.55	16.99	-1.07	13.83
		403	1042.62	40.39	-1368.17	-34.00	-1293.77	-315.05	40.99	-42.95	36.62	-38.58	18.65
123	5	224	1080.31	16.56	-1446.98	-65.15	-1365.27	-336.02	42.60	-24.04	42.56	-24.01	1.60
		406	542.53	612.86	-231.68	-65.15	446.33	-336.02	24.90	12.25	17.82	19.33	-6.28
		405	549.97	624.85	-186.16	-7.64	446.33	-336.02	18.42	-9.80	11.23	-2.61	12.30
		403	1120.45	70.97	-1443.88	-7.64	-1365.27	-336.02	40.66	-50.64	35.97	-45.94	20.17
123	6	224	1023.53	78.32	-1311.10	10.76	-1243.54	-298.82	43.01	-25.42	43.01	-25.42	-0.05
		406	489.67	582.88	-145.31	10.76	426.81	-298.82	25.30	10.97	17.47	18.80	-7.13
		405	502.54	582.88	-145.31	10.77	426.81	-298.82	17.97	-9.67	11.29	-2.99	11.83
		403	1044.03	78.32	-1311.09	10.77	-1243.54	-298.82	40.89	-51.27	36.83	-47.20	18.91
123	7	224	964.42	-4.44	-1320.82	-78.12	-1247.14	-302.60	20.75	-21.66	-19.06	18.15	10.17

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		406	538.64	568.99	-219.62	-78.12	427.49	-302.60	24.90	-21.25	-3.24	6.89	22.52
		405	504.71	576.88	-185.43	-36.03	427.49	-302.60	27.05	-8.95	3.86	14.24	17.24
		403	976.99	35.36	-1318.54	-36.03	-1247.14	-302.60	26.13	-12.59	-11.97	25.50	4.89
123	8	224	769.26	-14.02	-1053.48	-73.90	-993.60	-242.19	17.12	-18.87	-16.75	15.00	8.47
		406	430.27	447.48	-186.40	-73.90	334.98	-242.19	19.32	-18.01	-4.02	5.33	18.07
		405	399.00	456.15	-149.12	-27.95	334.98	-242.19	21.03	-7.91	1.56	11.55	13.58
		403	783.53	29.39	-1050.93	-27.95	-993.60	-242.19	21.70	-11.65	-11.17	21.22	3.98
123	9	224	690.98	-2.56	-945.26	-55.03	-892.78	-216.13	14.93	-15.74	-13.79	12.99	7.48
		406	384.90	405.72	-156.42	-55.03	304.33	-216.13	17.83	-15.50	-2.48	4.81	16.26
		405	360.33	411.51	-131.50	-24.32	304.33	-216.13	19.31	-6.67	2.57	10.07	12.44
		403	700.11	26.50	-943.60	-24.32	-892.78	-216.13	18.73	-9.23	-8.74	18.24	3.66
123	10	224	710.37	-11.63	-974.35	-66.65	-919.33	-223.47	15.53	-16.91	-14.90	13.52	7.83
		406	396.63	412.86	-170.80	-66.65	308.71	-223.47	17.93	-16.34	-3.36	4.95	16.63
		405	369.06	420.63	-137.51	-25.59	308.71	-223.47	19.38	-7.32	1.72	10.34	12.63
		403	722.60	27.18	-972.09	-25.59	-919.33	-223.47	19.41	-10.32	-9.82	18.91	3.83
123	11	224	693.80	41.81	-940.03	-7.44	-890.79	-214.31	21.02	-11.42	20.94	-11.33	1.64
		406	335.36	413.13	-116.64	-7.44	303.93	-214.31	11.60	9.10	9.17	11.54	-0.41
		405	359.00	414.79	-110.37	0.49	303.93	-214.31	13.50	-6.21	6.81	0.48	9.34
		403	707.26	49.34	-939.64	0.49	-890.79	-214.31	21.53	-25.34	18.58	-22.39	11.38
124	1	236	901.51	-8.10	-1294.70	-72.68	-1230.12	-280.93	13.79	-8.50	13.24	-7.96	-3.45
		113	479.43	527.09	-204.26	-72.68	395.50	-280.93	14.36	-7.97	2.37	4.01	-11.14
		110	451.03	533.63	-175.85	-37.73	395.50	-280.93	5.66	-6.34	-1.84	1.15	-5.81
		409	905.25	25.14	-1292.99	-37.73	-1230.12	-280.93	9.21	-10.99	9.03	-10.82	1.87
124	2	236	904.41	-12.97	-1305.92	-79.26	-1239.63	-285.15	12.87	-7.96	12.43	-7.53	-2.98
		113	484.03	529.97	-212.72	-79.26	396.51	-285.15	13.61	-7.76	1.84	4.01	-10.63
		110	455.08	537.55	-179.99	-38.94	396.51	-285.15	5.25	-6.32	-2.34	1.27	-5.49
		409	909.72	25.33	-1303.91	-38.94	-1239.63	-285.15	8.50	-10.52	8.25	-10.27	2.16
124	3	236	913.41	-45.28	-1354.04	-115.32	-1284.01	-294.55	9.08	-5.19	8.61	-4.72	-2.53
		113	502.71	544.59	-246.79	-115.32	413.12	-294.55	10.87	-6.73	0.63	3.50	-8.68
		110	475.98	554.81	-199.19	-57.50	413.12	-294.55	5.70	-5.58	-2.56	2.68	-5.00
		409	922.03	9.56	-1351.07	-57.50	-1284.01	-294.55	5.54	-5.67	5.42	-5.55	1.15
124	4	236	954.23	-45.20	-1356.04	-115.18	-1286.06	-294.68	50.49	-30.97	20.10	-0.58	39.39
		113	611.36	544.93	-246.73	-115.18	413.39	-294.68	45.14	-26.48	17.17	1.49	34.95
		110	603.62	555.75	-196.56	-54.19	413.39	-294.68	42.35	-31.70	14.31	-3.66	35.92
		409	961.31	12.67	-1352.92	-54.19	-1286.06	-294.68	47.72	-36.22	17.24	-5.74	40.37
124	5	236	1093.35	-92.24	-1520.17	-176.01	-1436.40	-335.56	56.10	-39.06	10.96	6.07	47.52
		113	714.07	594.27	-322.20	-176.01	448.09	-335.56	52.26	-38.31	13.09	0.85	44.87
		110	679.31	614.09	-230.23	-64.23	448.09	-335.56	48.02	-38.35	11.45	-1.78	42.67
		409	1109.05	13.44	-1514.07	-64.23	-1436.40	-335.56	51.79	-39.04	9.32	3.44	45.32
124	6	236	977.88	75.73	-1362.60	12.83	-1299.70	-294.12	53.63	-35.25	25.09	-6.71	41.50
		113	571.15	562.21	-144.63	12.83	404.75	-294.12	44.02	-25.38	16.09	2.56	34.03
		110	595.33	564.08	-138.19	21.14	404.75	-294.12	41.29	-37.23	11.17	-7.12	38.18
		409	974.11	83.68	-1362.23	21.14	-1299.70	-294.12	51.06	-47.27	20.17	-16.38	45.64
124	7	236	896.51	-19.31	-1296.21	-84.97	-1230.55	-282.02	13.25	-8.00	12.72	-7.47	-3.31
		113	481.71	525.63	-215.23	-84.97	395.38	-282.02	13.86	-7.59	2.38	3.89	-10.70
		110	452.99	533.16	-181.86	-44.08	395.38	-282.02	5.67	-6.01	-1.65	1.31	-5.65
		409	901.85	19.55	-1294.17	-44.08	-1230.55	-282.02	8.85	-10.21	8.69	-10.05	1.74
124	8	236	702.10	-35.14	-1041.26	-89.00	-987.40	-226.46	6.84	-3.95	6.40	-3.51	-2.13
		113	387.40	419.00	-189.95	-89.00	318.04	-226.46	8.40	-5.40	0.31	2.69	-6.80
		110	367.18	426.93	-152.97	-44.08	318.04	-226.46	4.65	-4.48	-2.09	2.26	-4.02
		409	708.47	7.47	-1038.95	-44.08	-987.40	-226.46	4.06	-3.99	4.01	-3.94	0.65
124	9	236	641.76	-9.18	-925.31	-55.58	-878.91	-200.89	9.52	-5.78	9.19	-5.46	-2.21
		113	342.07	375.76	-149.14	-55.58	282.20	-200.89	9.86	-5.36	1.68	2.82	-7.59
		110	321.86	380.69	-127.57	-29.08	282.20	-200.89	3.83	-4.26	-1.26	0.84	-3.91
		409	644.99	16.02	-924.00	-29.08	-878.91	-200.89	6.40	-7.60	6.25	-7.44	1.48
124	10	236	648.36	-29.83	-958.28	-79.27	-908.84	-208.46	6.89	-3.93	6.62	-3.66	-1.69
		113	355.01	385.48	-172.77	-79.27	291.98	-208.46	7.92	-4.66	0.71	2.54	-6.22
		110	335.72	392.45	-140.53	-40.07	291.98	-208.46	3.85	-3.83	-1.67	1.69	-3.45
		409	654.31	7.36	-956.27	-40.07	-908.84	-208.46	4.37	-4.64	4.24	-4.51	1.08
124	11	236	672.36	37.33	-962.97	-8.07	-917.56	-208.22	30.48	-19.47	15.77	-4.76	22.77
		113	380.03	394.92	-115.66	-8.07	287.33	-208.22	23.54	-12.23	9.30	2.01	17.51
		110	394.90	397.43	-106.47	3.63	287.33	-208.22	22.21	-20.00	5.96	-3.76	20.54
		409	672.99	48.51	-962.44	3.63	-917.56	-208.22	29.19	-27.28	12.43	-10.53	25.79
125	1	248	1026.82	244.56	-1348.97	202.49	-1306.90	-255.48	19.65	-15.44	14.86	-10.66	12.04
		283	387.64	584.27	31.53	202.49	413.31	-255.48	7.93	0.38	4.28	4.04	3.77
		161	431.21	551.37	-59.45	78.61	413.31	-255.48	7.99	-12.59	-0.82	-3.78	10.18
		132	984.78	124.22	-1352.51	78.61	-1306.90	-255.48	18.87	-27.59	9.76	-18.48	18.45
125	2	248	1023.84	205.64	-1384.52	160.13	-1339.01	-265.13	17.87	-14.55	12.14	-8.82	12.37
		283	406.86	585.01	-5.32	160.13	419.57	-265.13	8.92	-1.73	3.58	3.61	5.32
		161	445.34	560.86	-77.96	63.33	419.57	-265.13	8.97	-12.58	-0.74	-2.87	10.72
		132	992.18	111.78	-1387.46	63.33	-1339.01	-265.13	17.46	-24.93	7.82	-15.29	17.76
125	3	248	1025.11	220.21	-1360.87	176.55	-1317.21	-259.09	16.57	-13.51	13.60	-10.53	8.98

		283	389.76	588.24	13.50	176.55	425.19	-259.09	4.70	2.40	3.11	3.99	1.06
		161	430.91	558.74	-77.45	56.10	425.19	-259.09	5.01	-9.83	-1.73	-3.09	7.39
		132	983.81	103.35	-1364.46	56.10	-1317.21	-259.09	15.78	-24.63	8.76	-17.61	15.31
125	4	248	1140.11	223.33	-1361.58	179.74	-1317.98	-259.21	70.05	-47.82	3.67	18.56	58.46
		283	613.59	589.66	15.82	179.74	425.75	-259.21	64.67	-49.21	14.02	1.45	56.59
		161	588.34	559.88	-75.21	58.92	425.75	-259.21	60.08	-38.57	13.83	7.68	49.23
		132	1099.28	106.10	-1365.16	58.92	-1317.98	-259.21	66.34	-38.07	3.48	24.79	51.10
125	5	248	1328.10	101.03	-1606.26	41.14	-1546.36	-314.11	75.48	-58.90	-16.83	33.42	62.32
		283	758.70	650.99	-120.65	41.14	489.20	-314.11	73.39	-66.05	8.95	-1.61	69.52
		161	683.93	644.32	-146.86	8.25	489.20	-314.11	69.30	-39.16	14.63	15.51	54.23
		132	1318.11	69.32	-1607.43	8.25	-1546.36	-314.11	75.93	-36.54	-11.15	50.54	47.02
125	6	248	1299.28	280.78	-1544.07	228.16	-1491.45	-305.38	80.60	-57.01	6.47	17.13	68.60
		283	700.42	664.04	14.21	228.16	450.10	-305.38	73.68	-56.38	15.07	2.23	64.71
		161	674.99	635.14	-53.86	131.19	450.10	-305.38	68.24	-48.65	13.57	6.02	58.32
		132	1263.18	186.76	-1547.02	131.19	-1491.45	-305.38	75.66	-49.77	4.97	20.92	62.21
125	7	248	1010.54	224.46	-1339.29	181.90	-1296.72	-254.45	18.85	-14.81	14.33	-10.29	11.48
		283	385.96	576.05	17.63	181.90	411.78	-254.45	7.55	0.49	4.13	3.91	3.53
		161	429.40	546.56	-68.60	66.19	411.78	-254.45	7.66	-11.97	-0.76	-3.55	9.72
		132	971.80	112.14	-1342.68	66.19	-1296.72	-254.45	18.13	-26.44	9.43	-17.75	17.66
125	8	248	789.43	174.32	-1044.38	141.12	-1011.18	-198.40	12.53	-10.19	10.44	-8.10	6.57
		283	300.35	453.58	15.15	141.12	327.60	-198.40	3.29	2.05	2.25	3.08	0.46
		161	329.10	429.82	-57.48	44.74	327.60	-198.40	3.49	-7.21	-1.47	-2.25	5.34
		132	755.80	80.78	-1047.23	44.74	-1011.18	-198.40	11.90	-18.60	6.72	-13.43	11.45
125	9	248	727.50	165.96	-961.18	135.55	-930.77	-182.60	13.87	-10.97	10.42	-7.52	8.59
		283	277.11	413.79	15.72	135.55	293.95	-182.60	5.73	0.17	3.05	2.85	2.78
		161	308.27	391.94	-46.31	51.69	293.95	-182.60	5.77	-8.97	-0.54	-2.66	7.29
		132	699.47	84.53	-963.61	51.69	-930.77	-182.60	13.35	-19.54	6.83	-13.03	13.11
125	10	248	726.60	152.44	-967.80	121.14	-936.50	-184.61	12.14	-9.87	9.72	-7.44	6.89
		283	276.32	416.09	5.60	121.14	300.55	-184.61	3.90	1.32	2.40	2.83	1.27
		161	308.12	396.04	-56.32	39.18	300.55	-184.61	4.12	-7.44	-1.04	-2.27	5.74
		132	698.94	72.94	-970.26	39.18	-936.50	-184.61	11.62	-17.89	6.28	-12.54	11.36
125	11	248	868.41	186.09	-1069.58	149.81	-1033.31	-210.32	46.86	-33.19	5.76	7.92	40.01
		283	449.36	457.95	6.25	149.81	314.39	-210.32	42.26	-31.37	9.04	1.85	36.64
		161	441.83	438.19	-42.91	80.90	314.39	-210.32	39.24	-29.00	7.46	2.78	34.04
		132	844.26	119.27	-1071.68	80.90	-1033.31	-210.32	44.00	-30.97	4.17	8.86	37.42
126	1	260	1145.83	877.98	-1010.33	850.37	-982.72	-226.64	29.17	-24.84	-2.11	6.45	26.66
		287	637.98	937.96	263.90	850.37	351.49	-226.64	26.08	-31.53	-3.43	-2.02	28.80
		286	445.93	573.03	119.62	341.15	351.49	-226.64	24.14	-26.81	-2.17	-0.50	25.46
		285	895.64	378.88	-1020.45	341.15	-982.72	-226.64	27.30	-20.18	-0.86	7.97	23.33
126	2	260	1120.74	827.12	-1036.69	797.73	-1007.30	-232.19	26.24	-21.81	0.05	4.38	23.93
		287	606.19	898.30	261.64	797.73	362.21	-232.19	22.44	-27.60	-3.53	-1.63	25.00
		286	439.24	570.89	103.86	312.55	362.21	-232.19	20.78	-24.78	-2.93	-1.08	22.76
		285	888.02	352.21	-1046.95	312.55	-1007.30	-232.19	24.59	-19.00	0.66	4.93	21.69
126	3	260	1092.41	862.98	-977.31	836.18	-950.51	-220.45	24.08	-20.08	1.97	2.03	22.08
		287	609.02	921.04	263.54	836.18	348.41	-220.45	19.73	-24.64	-3.64	-1.27	22.15
		286	421.65	556.45	114.82	322.86	348.41	-220.45	18.09	-24.14	-3.73	-2.32	21.10
		285	840.52	359.94	-987.59	322.86	-950.51	-220.45	22.46	-19.60	1.88	0.98	21.03
126	4	260	1427.00	869.67	-977.43	843.24	-951.00	-219.36	95.79	-83.65	-53.18	65.32	67.37
		287	839.41	926.58	265.86	843.24	349.20	-219.36	88.01	-97.82	-0.79	-9.02	92.83
		286	557.80	557.49	118.19	326.48	349.20	-219.36	83.40	-38.18	16.54	28.68	60.48
		285	1175.09	363.10	-987.62	326.48	-951.00	-219.36	111.35	-44.18	-35.85	103.02	35.03
126	5	260	1378.32	786.83	-1146.79	752.27	-1112.24	-256.18	71.23	-57.03	-34.42	48.62	48.88
		287	737.64	891.06	279.39	752.27	418.18	-256.18	61.79	-67.42	-0.46	-5.18	64.56
		286	522.54	608.72	73.73	264.26	418.18	-256.18	59.41	-24.33	10.95	24.12	41.35
		285	1163.93	310.39	-1158.37	264.26	-1112.24	-256.18	84.07	-29.16	-23.01	77.92	25.66
126	6	260	1852.31	719.06	-1646.85	663.79	-1591.58	-357.36	117.69	-104.25	-66.14	79.58	83.70
		287	1031.11	941.28	203.56	663.79	481.05	-357.36	109.05	-122.51	-1.83	-11.63	115.68
		286	790.84	769.97	39.02	327.94	481.05	-357.36	103.20	-49.46	19.74	34.00	75.99
		285	1705.87	392.31	-1655.95	327.94	-1591.58	-357.36	135.95	-55.31	-44.57	125.21	44.01
126	7	260	1106.77	855.34	-974.40	828.71	-947.76	-219.16	27.64	-23.44	-1.48	5.67	25.29
		287	618.00	913.18	260.16	828.71	344.64	-219.16	24.47	-29.83	-3.45	-1.91	27.14
		286	429.90	554.07	115.31	324.74	344.64	-219.16	22.64	-25.78	-2.38	-0.75	24.19
		285	859.22	361.43	-984.45	324.74	-947.76	-219.16	25.85	-19.42	-0.40	6.83	22.34
126	8	260	840.27	677.48	-740.55	657.48	-720.55	-167.21	18.32	-15.20	1.66	1.46	16.76
		287	473.00	719.26	204.91	657.48	266.69	-167.21	14.94	-18.53	-2.71	-0.88	16.71
		286	321.63	427.57	92.90	253.78	266.69	-167.21	13.75	-18.23	-2.83	-1.65	15.98
		285	640.89	281.67	-748.45	253.78	-720.55	-167.21	17.15	-14.92	1.54	0.69	16.03
126	9	260	808.02	608.10	-724.39	588.02	-704.31	-162.34	20.42	-17.39	-1.27	4.31	18.70
		287	445.81	653.41	185.00	588.02	250.39	-162.34	18.15	-22.14	-2.54	-1.45	20.14
		286	316.40	405.02	79.96	234.59	250.39	-162.34	16.77	-19.03	-1.71	-0.56	17.89
		285	635.65	261.87	-731.58	234.59	-704.31	-162.34	19.07	-14.31	-0.44	5.19	16.45
126	10	260	778.29	599.76	-706.04	580.13	-686.41	-158.89	17.58	-14.73	1.00	1.85	16.15

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		287	429.47	644.00	184.81	580.13	248.68	-158.89	14.62	-18.31	-2.65	-1.03	16.45
		286	302.92	395.91	77.20	224.43	248.68	-158.89	13.41	-17.55	-2.57	-1.57	15.47
		285	605.06	251.35	-713.33	224.43	-686.41	-158.89	16.37	-13.98	1.08	1.31	15.17
126	11	260	1199.41	519.70	-1077.90	484.36	-1042.56	-234.96	68.93	-60.84	-36.84	44.93	50.39
		287	655.76	651.89	154.84	484.36	322.37	-234.96	64.23	-72.67	-1.65	-6.79	68.40
		286	506.00	514.53	35.08	227.25	322.37	-234.96	60.68	-31.61	10.47	18.61	45.96
		285	1085.56	269.33	-1084.64	227.25	-1042.56	-234.96	77.94	-32.33	-24.73	70.33	27.95
127	1	272	2022.01	393.39	-2687.03	293.97	-2587.61	-544.40	26.87	-16.20	-8.57	19.24	16.44
		372	847.76	981.41	-137.15	293.97	550.29	-544.40	42.95	-29.53	2.94	10.48	36.05
		323	848.86	948.90	-193.22	205.40	550.29	-544.40	35.22	-31.05	10.76	-6.58	31.98
		318	1930.28	307.76	-2689.97	205.40	-2587.61	-544.40	13.17	-11.75	-0.75	2.17	12.37
127	2	272	1961.54	387.86	-2599.97	291.56	-2503.67	-527.68	26.54	-16.18	-8.66	19.02	16.27
		372	826.74	959.10	-125.56	291.56	541.98	-527.68	42.32	-29.48	2.62	10.22	35.70
		323	828.79	922.41	-189.95	190.47	541.98	-527.68	34.51	-31.04	10.34	-6.87	31.63
		318	1865.42	290.14	-2603.33	190.47	-2503.67	-527.68	12.78	-11.79	-0.94	1.93	12.20
127	3	272	1948.55	387.64	-2575.29	292.06	-2479.71	-523.51	27.27	-16.61	-9.30	19.96	16.35
		372	823.62	946.04	-127.01	292.06	526.98	-523.51	43.05	-30.75	2.05	10.25	36.67
		323	823.35	911.47	-185.82	198.67	526.98	-523.51	34.61	-32.30	10.11	-7.80	32.23
		318	1851.55	297.36	-2578.40	198.67	-2479.71	-523.51	12.34	-11.68	-1.24	1.91	11.91
127	4	272	1980.41	402.37	-2573.14	306.60	-2477.37	-525.17	43.99	-3.77	-3.77	43.99	0.01
		372	765.05	952.37	-120.50	306.60	525.27	-525.17	40.78	-10.33	9.04	21.42	24.79
		323	749.92	913.81	-184.58	203.95	525.27	-525.17	26.33	-10.90	18.56	-3.14	15.13
		318	1853.97	303.14	-2576.56	203.95	-2477.37	-525.17	24.43	0.76	5.76	19.43	-9.66
127	5	272	1979.60	414.78	-2558.54	318.99	-2462.75	-525.01	43.06	-5.82	-5.69	42.92	2.60
		372	785.06	973.81	-101.93	318.99	552.89	-525.01	42.83	-14.70	7.58	20.55	28.03
		323	776.95	921.82	-194.21	174.73	552.89	-525.01	27.34	-16.19	17.18	-6.04	18.41
		318	1832.98	275.39	-2563.41	174.73	-2462.75	-525.01	19.49	0.76	3.92	16.33	-7.01
127	6	272	2392.90	458.19	-3162.52	341.08	-3045.41	-640.55	44.21	-2.13	-2.08	44.16	1.49
		372	938.63	1211.23	-130.46	341.08	739.70	-640.55	44.19	-9.48	11.65	23.06	26.22
		323	944.19	1153.94	-250.82	163.42	739.70	-640.55	30.65	-9.88	21.27	-0.50	17.09
		318	2244.43	286.56	-3168.55	163.42	-3045.41	-640.55	24.13	4.02	7.54	20.61	-7.64
127	7	272	1949.63	384.57	-2580.70	289.00	-2485.13	-523.69	27.07	-15.70	-8.78	20.15	15.75
		372	819.52	945.40	-128.80	289.00	527.59	-523.69	42.50	-29.41	2.54	10.54	35.73
		323	819.24	912.05	-185.73	198.73	527.59	-523.69	34.24	-30.84	10.48	-7.07	31.33
		318	1855.10	297.29	-2583.70	198.73	-2485.13	-523.69	12.32	-10.63	-0.84	2.53	11.35
127	8	272	1508.46	302.36	-1992.94	228.23	-1918.81	-405.78	20.94	-12.76	-7.17	15.36	12.53
		372	636.59	732.12	-98.54	228.23	405.34	-405.78	32.97	-23.61	1.50	7.86	28.11
		323	635.72	705.56	-143.11	157.11	405.34	-405.78	26.51	-24.69	7.69	-5.87	24.69
		318	1434.42	233.61	-1995.31	157.11	-1918.81	-405.78	9.52	-8.87	-0.98	1.63	9.11
127	9	272	1415.94	276.45	-1879.06	207.04	-1809.64	-380.54	19.19	-11.53	-6.15	13.81	11.67
		372	595.28	688.13	-93.97	207.04	387.12	-380.54	30.63	-21.11	2.05	7.47	25.73
		323	596.31	664.08	-135.75	141.21	387.12	-380.54	25.02	-22.24	7.64	-4.86	22.79
		318	1349.11	212.82	-1881.25	141.21	-1809.64	-380.54	9.26	-8.34	-0.56	1.48	8.74
127	10	272	1375.14	273.26	-1816.99	205.97	-1749.70	-368.94	19.41	-11.76	-6.56	14.21	11.62
		372	581.87	668.47	-88.33	205.97	374.17	-368.94	30.68	-21.79	1.55	7.34	26.08
		323	582.13	643.28	-131.63	137.48	374.17	-368.94	24.68	-22.94	7.28	-5.53	22.93
		318	1305.37	207.04	-1819.26	137.48	-1749.70	-368.94	8.80	-8.30	-0.83	1.34	8.48
127	11	272	1621.80	312.45	-2143.22	233.21	-2063.98	-433.96	28.03	-2.92	-2.55	27.66	3.37
		372	645.51	815.67	-90.11	233.21	492.35	-433.96	31.29	-9.95	6.89	14.46	20.27
		323	648.69	777.75	-167.51	117.89	492.35	-433.96	22.34	-10.33	13.48	-1.48	14.52
		318	1523.34	201.03	-2147.12	117.89	-2063.98	-433.96	12.40	3.37	4.05	11.73	-2.38
128	1	216	5000.04	493.68	-172.15	288.52	33.01	-307.43	26.25	-10.44	-1.48	17.29	-15.77
		75	4923.38	117.87	-335.29	111.28	-328.70	-54.23	48.93	21.13	28.10	41.97	-12.05
		2	7848.22	-303.99	-447.71	-423.00	-328.70	-54.23	79.37	18.13	18.38	79.12	3.90
		894	6956.18	231.18	-443.93	-245.76	33.01	-307.43	54.44	-11.20	-11.20	54.44	0.18
128	2	216	5233.73	503.32	-184.37	288.36	30.59	-318.78	26.68	-11.88	-1.94	16.74	-16.87
		75	4825.24	112.40	-350.33	105.23	-343.16	-57.16	47.53	18.98	26.85	39.65	-12.76
		2	7582.89	-312.40	-449.37	-418.61	-343.16	-57.16	75.92	17.81	17.84	75.88	1.45
		894	6963.27	242.98	-447.86	-235.47	30.59	-318.78	53.08	-11.06	-10.95	52.96	-2.66
128	3	216	4945.48	478.17	-167.50	279.17	31.49	-298.14	26.30	-10.43	-1.38	17.25	-15.83
		75	4874.30	113.92	-325.38	107.47	-318.93	-52.85	48.76	20.88	27.97	41.67	-12.14
		2	7783.33	-294.56	-433.55	-409.19	-318.93	-52.85	79.00	18.12	18.34	78.79	3.62
		894	6901.25	224.08	-430.07	-237.48	31.49	-298.14	54.36	-11.01	-11.01	54.36	-0.06
128	4	216	4946.61	480.38	-164.99	281.64	33.75	-297.93	26.31	-10.41	-1.35	17.26	-15.83
		75	4864.89	116.09	-323.38	109.76	-317.04	-52.38	48.76	20.93	28.08	41.61	-12.16
		2	7767.96	-294.03	-436.26	-413.24	-317.04	-52.38	78.95	18.16	18.37	78.74	3.55
		894	6927.93	224.34	-431.96	-241.36	33.75	-297.93	54.39	-11.06	-11.06	54.39	-0.12
128	5	216	4970.58	483.85	-166.28	283.49	34.08	-300.19	26.34	-10.52	-1.43	17.25	-15.88
		75	4868.34	116.49	-326.01	110.16	-319.67	-52.57	48.67	20.78	27.93	41.52	-12.18
		2	7760.41	-296.50	-438.93	-415.76	-319.67	-52.57	78.77	18.10	18.30	78.57	3.44
		894	6936.12	226.33	-434.67	-242.43	34.08	-300.19	54.30	-11.06	-11.06	54.30	-0.26
128	6	216	5001.16	496.68	-169.43	291.51	35.74	-307.52	26.26	-10.42	-1.49	17.33	-15.75

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		75	4919.53	120.08	-333.58	113.68	-327.18	-53.48	48.92	21.14	28.10	41.96	-12.03
		2	7838.21	-304.06	-450.87	-427.74	-327.18	-53.48	79.36	18.11	18.36	79.11	3.87
		894	6983.41	231.98	-446.16	-249.91	35.74	-307.52	54.48	-11.23	-11.23	54.48	0.16
128	7	216	4924.37	479.49	-163.37	281.76	34.36	-296.67	26.28	-10.28	-1.32	17.32	-15.72
		75	4873.45	116.63	-321.59	110.40	-315.36	-51.87	48.87	21.08	28.13	41.82	-12.09
		2	7789.55	-293.07	-436.07	-413.78	-315.36	-51.87	79.25	18.15	18.39	79.01	3.77
		894	6929.57	223.33	-431.39	-242.42	34.36	-296.67	54.51	-11.07	-11.07	54.51	0.14
128	8	216	3881.24	370.64	-129.68	216.64	24.32	-230.94	20.90	-8.16	-1.00	13.75	-12.52
		75	3858.72	88.71	-252.01	83.70	-247.00	-41.02	38.81	16.66	22.28	33.19	-9.64
		2	6178.93	-228.21	-336.57	-317.79	-247.00	-41.02	62.94	14.43	14.61	62.76	2.96
		894	5456.89	173.26	-333.78	-184.84	24.32	-230.94	43.31	-8.67	-8.67	43.31	0.08
128	9	216	3460.13	345.38	-120.43	201.66	23.29	-215.15	17.94	-7.27	-1.10	11.77	-10.84
		75	3373.78	82.14	-234.57	77.55	-229.98	-37.86	33.35	14.35	19.14	28.57	-8.25
		2	5361.54	-212.66	-312.74	-295.43	-229.98	-37.86	54.03	12.36	12.52	53.88	2.55
		894	4777.79	162.12	-310.15	-171.32	23.29	-215.15	37.08	-7.72	-7.72	37.08	-0.04
128	10	216	3429.76	336.76	-117.84	196.46	22.45	-209.99	17.97	-7.26	-1.04	11.75	-10.87
		75	3346.36	79.95	-229.07	75.43	-224.55	-37.09	33.26	14.21	19.07	28.40	-8.30
		2	5325.47	-207.42	-304.88	-287.75	-224.55	-37.09	53.83	12.35	12.49	53.69	2.40
		894	4747.15	158.17	-302.44	-166.72	22.45	-209.99	37.04	-7.61	-7.61	37.04	-0.17
128	11	216	3460.73	347.04	-118.91	203.32	24.81	-215.20	17.95	-7.25	-1.10	11.79	-10.83
		75	3371.66	83.37	-233.62	78.89	-229.14	-37.44	33.34	14.36	19.14	28.56	-8.24
		2	5356.03	-212.71	-314.48	-298.06	-229.14	-37.44	54.03	12.35	12.50	53.87	2.54
		894	4792.89	162.56	-311.38	-173.63	24.81	-215.20	37.10	-7.73	-7.73	37.10	-0.04
129	1	213	4822.24	155.28	-444.40	-252.55	-36.57	-279.72	20.83	-15.25	-12.67	18.24	-9.31
		216	5026.60	386.69	-444.39	-176.44	118.75	-388.44	36.38	9.99	10.56	35.82	-3.81
		894	8463.47	249.59	-1034.49	-903.65	118.75	-388.44	60.62	4.49	5.01	60.11	5.36
		893	8588.73	40.15	-1056.47	-979.76	-36.57	-279.72	42.53	-18.21	-18.21	42.53	-0.13
129	2	213	5274.19	170.71	-473.93	-263.42	-39.79	-302.30	21.69	-17.31	-13.43	17.81	-11.67
		216	5314.90	397.87	-473.93	-188.72	112.66	-409.02	35.72	7.77	9.09	34.40	-5.93
		894	8678.37	252.82	-1080.98	-940.82	112.66	-409.02	59.20	4.18	4.27	59.10	2.28
		893	8895.18	46.28	-1101.59	-1015.52	-39.79	-302.30	42.71	-18.45	-18.25	42.51	-3.46
129	3	213	4770.06	152.65	-432.03	-244.46	-34.92	-272.92	20.92	-15.03	-12.35	18.23	-9.46
		216	4961.35	374.74	-432.02	-171.42	114.15	-377.27	36.29	10.04	10.67	35.66	-4.01
		894	8348.02	241.30	-1005.19	-878.04	114.15	-377.27	60.56	4.76	5.23	60.10	5.09
		893	8464.73	40.22	-1026.22	-951.08	-34.92	-272.92	42.67	-17.79	-17.79	42.67	-0.36
129	4	213	4733.46	142.54	-427.53	-247.71	-37.28	-264.91	20.93	-15.02	-12.31	18.22	-9.49
		216	4965.85	375.16	-427.49	-171.20	118.87	-374.21	36.34	10.09	10.73	35.71	-4.04
		894	8333.56	244.71	-993.90	-868.06	118.87	-374.21	60.64	4.81	5.28	60.16	5.11
		893	8419.25	34.41	-1016.25	-944.57	-37.28	-264.91	42.68	-17.77	-17.77	42.67	-0.34
129	5	213	4765.87	143.02	-431.13	-249.96	-38.15	-266.83	20.96	-15.18	-12.41	18.19	-9.61
		216	4992.78	377.94	-431.10	-172.70	119.54	-377.21	36.31	9.96	10.63	35.64	-4.13
		894	8363.11	246.55	-1000.76	-873.75	119.54	-377.21	60.56	4.76	5.20	60.12	4.97
		893	8453.88	34.13	-1023.29	-951.02	-38.15	-266.83	42.66	-17.84	-17.84	42.66	-0.51
129	6	213	4777.99	143.74	-439.95	-257.06	-39.15	-270.74	20.81	-15.21	-12.62	18.23	-9.29
		216	5030.27	387.42	-439.90	-176.91	124.43	-385.25	36.45	10.08	10.64	35.88	-3.80
		894	8444.81	253.99	-1021.06	-891.49	124.43	-385.25	60.73	4.55	5.08	60.20	5.44
		893	8533.79	33.76	-1044.55	-971.65	-39.15	-270.74	42.54	-18.19	-18.19	42.54	-0.05
129	7	213	4686.44	139.11	-424.39	-247.77	-37.50	-261.40	20.85	-14.82	-12.22	18.25	-9.28
		216	4940.52	373.70	-424.34	-170.61	119.96	-371.63	36.41	10.30	10.87	35.83	-3.85
		894	8305.98	244.86	-985.80	-860.90	119.96	-371.63	60.79	4.84	5.37	60.26	5.39
		893	8376.15	32.87	-1008.43	-938.06	-37.50	-261.40	42.68	-17.73	-17.73	42.68	-0.04
129	8	213	3726.52	118.68	-334.69	-189.21	-26.80	-211.64	16.61	-11.66	-9.57	14.53	-7.39
		216	3885.12	290.21	-334.68	-132.79	88.33	-292.23	28.87	8.20	8.67	28.39	-3.10
		894	6555.31	186.79	-778.99	-680.52	88.33	-292.23	48.26	3.95	4.34	47.86	4.18
		893	6635.10	31.49	-795.23	-736.94	-26.80	-211.64	34.00	-13.90	-13.90	34.00	-0.12
129	9	213	3351.28	107.70	-310.78	-177.13	-25.95	-195.11	14.25	-10.69	-8.86	12.43	-6.50
		216	3486.81	270.70	-310.77	-123.52	83.45	-271.69	24.82	6.62	7.03	24.41	-2.71
		894	5850.65	174.99	-722.97	-631.43	83.45	-271.69	41.29	2.93	3.26	40.97	3.51
		893	5945.35	27.47	-738.47	-685.04	-25.95	-195.11	28.99	-12.64	-12.64	28.98	-0.28
129	10	213	3322.23	106.24	-303.90	-172.63	-25.03	-191.33	14.31	-10.57	-8.68	12.42	-6.58
		216	3450.41	264.06	-303.89	-120.73	80.90	-265.48	24.77	6.65	7.10	24.32	-2.82
		894	5786.10	170.39	-706.69	-617.20	80.90	-265.48	41.26	3.08	3.38	40.96	3.36
		893	5876.23	27.52	-721.66	-669.11	-25.03	-191.33	29.07	-12.40	-12.40	29.06	-0.41
129	11	213	3326.60	101.28	-308.30	-179.63	-27.39	-190.12	14.24	-10.66	-8.84	12.42	-6.49
		216	3488.62	271.11	-308.27	-123.78	86.61	-269.92	24.86	6.67	7.08	24.45	-2.70
		894	5839.88	177.44	-715.51	-624.68	86.61	-269.92	41.35	2.96	3.30	41.02	3.55
		893	5914.51	23.92	-731.84	-680.54	-27.39	-190.12	28.99	-12.62	-12.62	28.99	-0.23
130	1	210	7207.24	6.79	-1036.36	-1001.01	-28.56	-188.75	16.79	-21.89	-20.41	15.31	-7.42
		213	6650.02	213.92	-1002.02	-921.60	133.50	-302.19	26.59	-4.37	-4.33	26.54	-1.20
		893	1.020e+04	192.09	-1425.01	-1366.42	133.50	-302.19	54.36	-4.41	-4.28	54.23	2.67
		892	1.052e+04	-3.86	-1470.54	-1445.83	-28.56	-188.75	43.21	-20.56	-20.36	43.01	-3.55
130	2	210	7731.83	11.03	-1098.13	-1055.02	-32.07	-214.38	18.05	-24.05	-21.32	15.33	-10.35

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		213	7129.45	228.81	-1064.38	-972.31	136.74	-332.55	26.83	-5.50	-4.98	26.31	-4.08
		893	1.074e+04	203.19	-1527.54	-1461.10	136.74	-332.55	54.27	-5.06	-5.06	54.26	-0.49
		892	1.113e+04	-2.26	-1573.63	-1543.82	-32.07	-214.38	43.98	-22.10	-21.41	43.28	-6.75
130	3	210	7059.28	6.34	-1008.31	-974.19	-27.78	-182.92	16.92	-21.42	-19.86	15.37	-7.57
		213	6510.38	209.79	-974.52	-896.17	131.44	-294.37	26.65	-3.85	-3.79	26.58	-1.41
		893	1.002e+04	188.59	-1384.65	-1327.49	131.44	-294.37	54.51	-3.90	-3.80	54.40	2.49
		892	1.034e+04	-3.91	-1429.38	-1405.51	-27.78	-182.92	43.40	-20.08	-19.87	43.19	-3.66
130	4	210	6986.63	7.00	-989.02	-954.49	-27.53	-182.21	16.93	-21.42	-19.86	15.36	-7.58
		213	6418.18	199.89	-957.24	-880.60	123.25	-287.76	26.64	-3.88	-3.81	26.57	-1.42
		893	9968.03	178.44	-1377.26	-1322.08	123.25	-287.76	54.47	-3.90	-3.80	54.36	2.48
		892	1.030e+04	-3.68	-1419.80	-1395.96	-27.53	-182.21	43.36	-20.06	-19.84	43.15	-3.69
130	5	210	7038.27	7.84	-995.69	-960.19	-27.67	-185.39	16.98	-21.63	-20.02	15.36	-7.74
		213	6460.97	200.50	-964.21	-886.48	122.76	-290.69	26.64	-4.02	-3.94	26.56	-1.56
		893	1.003e+04	178.57	-1391.17	-1335.35	122.76	-290.69	54.43	-4.02	-3.93	54.34	2.31
		892	1.037e+04	-3.22	-1433.51	-1409.06	-27.67	-185.39	43.38	-20.24	-20.01	43.14	-3.87
130	6	210	7126.73	7.68	-1015.96	-980.36	-27.92	-187.53	16.79	-21.86	-20.40	15.32	-7.38
		213	6548.16	203.04	-983.73	-905.52	124.82	-294.45	26.58	-4.38	-4.33	26.54	-1.15
		893	1.013e+04	181.14	-1414.70	-1358.38	124.82	-294.45	54.32	-4.40	-4.27	54.20	2.71
		892	1.047e+04	-3.32	-1457.82	-1433.23	-27.92	-187.53	43.17	-20.53	-20.33	42.98	-3.52
130	7	210	6928.70	7.11	-980.42	-946.34	-26.97	-180.27	16.83	-21.22	-19.76	15.36	-7.33
		213	6360.29	196.50	-949.10	-873.76	121.16	-283.96	26.63	-3.79	-3.75	26.59	-1.16
		893	9901.68	175.42	-1364.78	-1310.52	121.16	-283.96	54.47	-3.84	-3.71	54.34	2.75
		892	1.023e+04	-3.42	-1406.66	-1383.10	-26.97	-180.27	43.30	-19.90	-19.72	43.12	-3.41
130	8	210	5493.44	4.71	-782.09	-755.88	-21.49	-141.19	13.42	-16.60	-15.42	12.24	-5.85
		213	5064.28	162.99	-755.70	-695.15	102.45	-227.94	21.21	-2.72	-2.68	21.17	-0.98
		893	7833.50	146.72	-1070.98	-1026.70	102.45	-227.94	43.43	-2.79	-2.69	43.33	2.16
		892	8070.71	-3.11	-1105.81	-1087.43	-21.49	-141.19	34.54	-15.58	-15.43	34.40	-2.70
130	9	210	5021.28	4.98	-723.20	-698.23	-19.99	-132.50	11.51	-15.32	-14.25	10.44	-5.25
		213	4633.43	148.75	-699.47	-643.15	92.43	-211.19	18.14	-3.28	-3.24	18.09	-0.98
		893	7079.98	133.31	-998.52	-957.64	92.43	-211.19	37.04	-3.27	-3.21	36.97	1.63
		892	7312.41	-2.61	-1030.10	-1012.72	-19.99	-132.50	29.48	-14.38	-14.22	29.32	-2.65
130	10	210	4939.08	4.73	-707.61	-683.33	-19.55	-129.26	11.59	-15.06	-13.95	10.47	-5.34
		213	4555.66	146.46	-684.19	-629.02	91.29	-206.85	18.17	-2.99	-2.94	18.12	-1.10
		893	6984.54	131.37	-976.09	-936.01	91.29	-206.85	37.13	-2.99	-2.93	37.07	1.53
		892	7210.81	-2.64	-1007.24	-990.32	-19.55	-129.26	29.59	-14.11	-13.95	29.42	-2.71
130	11	210	4976.55	5.48	-711.86	-686.76	-19.63	-131.82	11.51	-15.31	-14.25	10.44	-5.23
		213	4576.70	142.71	-689.31	-634.21	87.61	-206.89	18.14	-3.28	-3.24	18.10	-0.95
		893	7040.56	127.23	-992.79	-953.17	87.61	-206.89	37.02	-3.27	-3.20	36.95	1.65
		892	7283.31	-2.31	-1023.04	-1005.72	-19.63	-131.82	29.46	-14.36	-14.20	29.30	-2.63
131	1	207	9486.76	-8.38	-1518.94	-1512.18	-15.15	-100.83	16.56	-27.45	-25.28	14.39	-9.53
		210	8897.42	135.32	-1472.46	-1449.64	112.50	-190.18	23.95	-12.96	-12.66	23.64	-3.32
		892	1.180e+04	131.95	-1746.42	-1726.97	112.50	-190.18	53.34	-10.19	-10.18	53.33	-0.81
		891	1.213e+04	-9.43	-1795.22	-1789.51	-15.15	-100.83	44.81	-23.53	-22.81	44.08	-7.02
131	2	207	1.019e+04	-8.12	-1629.86	-1620.55	-17.43	-122.56	18.13	-29.87	-26.48	14.73	-12.31
		210	9529.83	151.06	-1580.53	-1551.98	122.51	-220.52	25.10	-13.97	-12.95	24.09	-6.22
		892	1.264e+04	146.44	-1909.36	-1885.43	122.51	-220.52	54.11	-11.40	-11.20	53.91	-3.63
		891	1.306e+04	-9.71	-1961.73	-1954.00	-17.43	-122.56	45.89	-26.06	-24.72	44.55	-9.72
131	3	207	9258.69	-8.44	-1475.82	-1469.45	-14.81	-96.48	16.71	-26.81	-24.59	14.49	-9.57
		210	8666.34	131.87	-1430.26	-1408.32	109.94	-183.80	24.13	-12.17	-11.84	23.80	-3.43
		892	1.158e+04	128.62	-1698.21	-1679.53	109.94	-183.80	53.58	-9.53	-9.52	53.56	-0.83
		891	1.191e+04	-9.44	-1746.03	-1740.65	-14.81	-96.48	44.97	-22.99	-22.26	44.25	-6.97
131	4	207	9159.96	-7.49	-1448.40	-1441.35	-14.54	-100.56	16.71	-26.83	-24.60	14.49	-9.59
		210	8561.17	129.35	-1404.72	-1381.98	106.61	-185.37	24.10	-12.20	-11.87	23.77	-3.45
		892	1.156e+04	125.67	-1696.76	-1677.71	106.61	-185.37	53.55	-9.54	-9.53	53.53	-0.88
		891	1.190e+04	-8.69	-1742.93	-1737.07	-14.54	-100.56	44.98	-23.00	-22.26	44.25	-7.02
131	5	207	9240.45	-7.44	-1462.12	-1454.78	-14.79	-103.10	16.78	-27.08	-24.80	14.50	-9.75
		210	8637.71	131.37	-1418.05	-1394.64	107.95	-189.02	24.14	-12.37	-12.01	23.78	-3.61
		892	1.165e+04	127.55	-1714.98	-1695.38	107.95	-189.02	53.56	-9.72	-9.71	53.55	-1.03
		891	1.200e+04	-8.70	-1761.61	-1755.52	-14.79	-103.10	45.02	-23.25	-22.49	44.26	-7.17
131	6	207	9373.98	-7.55	-1489.48	-1482.18	-14.85	-103.76	16.55	-27.42	-25.27	14.40	-9.49
		210	8779.44	133.00	-1444.65	-1421.21	109.56	-190.86	23.92	-12.94	-12.65	23.62	-3.28
		892	1.176e+04	129.26	-1739.69	-1719.99	109.56	-190.86	53.33	-10.18	-10.17	53.32	-0.79
		891	1.210e+04	-8.78	-1787.04	-1780.96	-14.85	-103.76	44.81	-23.52	-22.79	44.09	-7.00
131	7	207	9085.13	-7.36	-1435.42	-1428.49	-14.30	-99.29	16.59	-26.60	-24.47	14.46	-9.35
		210	8492.52	128.10	-1392.13	-1369.70	105.67	-183.27	24.01	-12.10	-11.81	23.72	-3.20
		892	1.147e+04	124.49	-1678.90	-1660.07	105.67	-183.27	53.49	-9.42	-9.41	53.48	-0.64
		891	1.181e+04	-8.54	-1724.63	-1718.86	-14.30	-99.29	44.90	-22.76	-22.07	44.22	-6.78
131	8	207	7194.78	-6.60	-1143.81	-1138.98	-11.44	-73.99	13.23	-20.79	-19.09	11.54	-7.40
		210	6728.22	101.96	-1108.44	-1091.64	85.16	-141.61	19.18	-9.21	-8.98	18.95	-2.54
		892	9020.50	99.51	-1312.21	-1297.86	85.16	-141.61	42.65	-7.14	-7.13	42.65	-0.45
		891	9277.00	-7.35	-1349.28	-1345.19	-11.44	-73.99	35.76	-17.78	-17.25	35.23	-5.30
131	9	207	6615.35	-5.78	-1060.64	-1055.79	-10.63	-71.38	11.37	-19.21	-17.66	9.82	-6.72

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		210	6208.26	94.80	-1028.25	-1012.07	78.61	-133.84	16.37	-9.24	-9.01	16.13	-2.46
		892	8218.42	92.35	-1225.63	-1211.90	78.61	-133.84	36.39	-7.34	-7.32	36.38	-0.77
		891	8455.21	-6.55	-1259.71	-1255.63	-10.63	-71.38	30.61	-16.52	-15.98	30.07	-5.02
131	10	207	6488.63	-5.81	-1036.69	-1032.05	-10.44	-68.96	11.45	-18.85	-17.27	9.87	-6.74
		210	6079.73	92.88	-1004.80	-989.11	77.19	-130.30	16.47	-8.81	-8.55	16.22	-2.52
		892	8093.31	90.50	-1198.85	-1185.54	77.19	-130.30	36.52	-6.97	-6.95	36.51	-0.78
		891	8329.41	-6.55	-1232.38	-1228.48	-10.44	-68.96	30.70	-16.21	-15.68	30.17	-4.99
131	11	207	6552.73	-5.31	-1044.28	-1039.12	-10.47	-73.00	11.37	-19.19	-17.65	9.82	-6.69
		210	6142.73	93.51	-1012.80	-996.27	76.98	-134.22	16.35	-9.23	-9.00	16.12	-2.44
		892	8198.09	90.85	-1221.90	-1208.03	76.98	-134.22	36.38	-7.33	-7.32	36.37	-0.76
		891	8438.81	-6.18	-1255.16	-1250.88	-10.47	-73.00	30.61	-16.51	-15.97	30.08	-5.01
132	1	204	1.081e+04	0.46	-1788.87	-1788.57	0.15	-23.27	17.76	-31.27	-27.81	14.30	-12.56
		207	1.027e+04	92.58	-1749.16	-1745.21	88.63	-85.20	24.04	-18.02	-16.93	22.94	-6.70
		891	1.285e+04	92.19	-1955.56	-1952.01	88.63	-85.20	53.88	-13.84	-13.57	53.60	-4.30
		890	1.317e+04	0.42	-1995.64	-1995.37	0.15	-23.27	46.42	-25.91	-24.45	44.96	-10.16
132	2	204	1.168e+04	-2.24	-1946.90	-1946.29	-2.85	-34.45	19.31	-33.77	-29.27	14.81	-14.78
		207	1.106e+04	108.01	-1900.64	-1894.82	102.19	-107.98	25.80	-19.05	-17.09	23.84	-9.16
		891	1.393e+04	107.32	-2169.85	-2164.72	102.19	-107.98	55.21	-15.43	-14.85	54.63	-6.39
		890	1.433e+04	-2.32	-2216.73	-2216.19	-2.85	-34.45	47.54	-28.96	-27.03	45.60	-12.01
132	3	204	1.052e+04	0.50	-1732.58	-1732.32	0.23	-21.38	17.86	-30.49	-27.05	14.42	-12.44
		207	9970.37	89.35	-1694.17	-1690.46	85.65	-81.17	24.26	-17.04	-15.95	23.16	-6.65
		891	1.260e+04	88.96	-1904.35	-1901.03	85.65	-81.17	54.13	-13.06	-12.80	53.87	-4.14
		890	1.292e+04	0.47	-1943.12	-1942.89	0.23	-21.38	46.53	-25.30	-23.90	45.13	-9.93
132	4	204	1.046e+04	0.21	-1714.70	-1714.33	-0.16	-25.22	17.88	-30.52	-27.06	14.42	-12.47
		207	9908.46	91.12	-1675.88	-1671.66	86.91	-86.17	24.26	-17.06	-15.95	23.15	-6.69
		891	1.261e+04	90.64	-1904.67	-1900.94	86.91	-86.17	54.14	-13.07	-12.81	53.88	-4.18
		890	1.293e+04	0.16	-1943.94	-1943.61	-0.16	-25.22	46.55	-25.33	-23.92	45.14	-9.97
132	5	204	1.057e+04	0.15	-1735.77	-1735.36	-0.26	-26.58	17.95	-30.80	-27.28	14.43	-12.62
		207	1.002e+04	92.85	-1696.31	-1691.90	88.44	-88.66	24.34	-17.28	-16.12	23.18	-6.83
		891	1.271e+04	92.34	-1925.11	-1921.21	88.44	-88.66	54.18	-13.30	-13.02	53.90	-4.31
		890	1.304e+04	0.10	-1965.03	-1964.67	-0.26	-26.58	46.59	-25.62	-24.18	45.15	-10.10
132	6	204	1.073e+04	0.28	-1766.26	-1765.87	-0.10	-26.13	17.75	-31.24	-27.79	14.31	-12.52
		207	1.018e+04	93.82	-1726.32	-1721.98	89.48	-88.84	24.04	-17.97	-16.89	22.95	-6.67
		891	1.283e+04	93.35	-1949.29	-1945.42	89.48	-88.84	53.90	-13.82	-13.55	53.63	-4.26
		890	1.315e+04	0.24	-1989.66	-1989.32	-0.10	-26.13	46.43	-25.90	-24.45	44.98	-10.12
132	7	204	1.038e+04	0.29	-1699.44	-1699.08	-0.07	-24.56	17.75	-30.28	-26.90	14.38	-12.28
		207	9832.10	90.18	-1661.00	-1656.88	86.06	-84.85	24.13	-16.94	-15.89	23.08	-6.47
		891	1.250e+04	89.72	-1882.26	-1878.60	86.06	-84.85	54.04	-12.91	-12.67	53.80	-3.99
		890	1.281e+04	0.25	-1921.12	-1920.80	-0.07	-24.56	46.46	-25.05	-23.68	45.09	-9.80
132	8	204	8169.15	0.44	-1340.94	-1340.74	0.25	-16.04	14.13	-23.65	-20.99	11.48	-9.66
		207	7730.68	68.78	-1311.33	-1308.53	65.98	-62.05	19.26	-12.98	-12.16	18.44	-5.07
		891	9804.35	68.49	-1470.88	-1468.37	65.98	-62.05	43.05	-9.85	-9.67	42.88	-3.05
		890	1.006e+04	0.42	-1500.76	-1500.59	0.25	-16.04	36.97	-19.55	-18.50	35.91	-7.64
132	9	204	7550.12	0.26	-1251.23	-1251.01	0.03	-16.88	12.21	-21.88	-19.43	9.76	-8.80
		207	7176.53	65.27	-1223.29	-1220.43	62.42	-60.55	16.47	-12.78	-11.98	15.66	-4.79
		891	8961.93	64.98	-1373.44	-1370.89	62.42	-60.55	36.80	-9.91	-9.70	36.58	-3.16
		890	9184.64	0.24	-1401.66	-1401.46	0.03	-16.88	31.74	-18.20	-17.15	30.69	-7.17
132	10	204	7389.04	0.28	-1219.96	-1219.75	0.08	-15.83	12.27	-21.44	-19.01	9.83	-8.73
		207	7008.99	63.48	-1192.73	-1190.02	60.76	-58.31	16.59	-12.24	-11.43	15.78	-4.76
		891	8822.18	63.18	-1344.99	-1342.57	60.76	-58.31	36.94	-9.47	-9.27	36.73	-3.07
		890	9048.75	0.26	-1372.49	-1372.30	0.08	-15.83	31.80	-17.87	-16.85	30.78	-7.04
132	11	204	7501.66	0.16	-1238.67	-1238.39	-0.11	-18.47	12.20	-21.86	-19.42	9.77	-8.77
		207	7128.28	65.96	-1210.60	-1207.52	62.89	-62.57	16.47	-12.75	-11.95	15.67	-4.77
		891	8950.97	65.62	-1369.96	-1367.23	62.89	-62.57	36.81	-9.90	-9.69	36.60	-3.14
		890	9173.40	0.13	-1398.34	-1398.10	-0.11	-18.47	31.74	-18.20	-17.15	30.70	-7.14
133	1	201	1.121e+04	16.55	-1870.72	-1869.35	15.18	50.84	19.48	-33.30	-28.27	14.45	-15.49
		204	1.073e+04	72.45	-1841.37	-1841.31	72.39	10.80	25.18	-20.94	-18.61	22.85	-10.10
		890	1.320e+04	72.45	-2021.50	-2021.44	72.39	10.80	55.00	-15.67	-14.87	54.20	-7.46
		889	1.347e+04	16.44	-2050.72	-2049.47	15.18	50.84	48.08	-26.80	-24.53	45.80	-12.85
133	2	201	1.215e+04	18.68	-2048.10	-2047.07	17.65	46.10	20.73	-35.52	-29.94	15.15	-16.81
		204	1.159e+04	82.50	-2015.30	-2015.30	82.50	0.71	27.07	-21.87	-18.84	24.04	-11.79
		890	1.447e+04	82.50	-2283.39	-2283.39	82.50	0.71	56.51	-17.45	-16.43	55.49	-8.63
		889	1.484e+04	18.57	-2316.08	-2315.17	17.65	46.10	49.04	-29.97	-27.54	46.60	-13.65
133	3	201	1.089e+04	16.18	-1807.08	-1805.70	14.80	50.25	19.49	-32.40	-27.50	14.59	-15.18
		204	1.040e+04	69.95	-1778.78	-1778.71	69.88	11.70	25.38	-19.81	-17.55	23.11	-9.86
		890	1.295e+04	69.94	-1970.52	-1970.45	69.88	11.70	55.22	-14.79	-14.07	54.50	-7.09
		889	1.323e+04	16.05	-1998.69	-1997.44	14.80	50.25	48.10	-26.15	-24.01	45.97	-12.41
133	4	201	1.087e+04	15.72	-1800.57	-1799.33	14.47	47.55	19.51	-32.44	-27.52	14.59	-15.21
		204	1.038e+04	71.58	-1771.39	-1771.36	71.55	7.59	25.40	-19.84	-17.56	23.12	-9.90
		890	1.297e+04	71.58	-1973.37	-1973.34	71.55	7.59	55.24	-14.82	-14.09	54.50	-7.12
		889	1.325e+04	15.60	-2002.43	-2001.31	14.47	47.55	48.12	-26.20	-24.05	45.97	-12.44
133	5	201	1.100e+04	15.81	-1826.34	-1825.12	14.59	47.47	19.57	-32.72	-27.75	14.60	-15.33

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		204	1.050e+04	72.94	-1796.56	-1796.54	72.92	6.64	25.47	-20.08	-17.76	23.15	-10.02
		890	1.308e+04	72.94	-1994.27	-1994.25	72.92	6.64	55.28	-15.07	-14.32	54.53	-7.24
		889	1.336e+04	15.69	-2023.94	-2022.83	14.59	47.47	48.16	-26.48	-24.31	45.98	-12.55
133	6	201	1.116e+04	16.21	-1856.79	-1855.52	14.93	48.85	19.46	-33.25	-28.26	14.47	-15.44
		204	1.068e+04	73.68	-1826.78	-1826.75	73.65	7.75	25.19	-20.88	-18.57	22.88	-10.06
		890	1.319e+04	73.68	-2016.52	-2016.49	73.65	7.75	55.02	-15.64	-14.86	54.23	-7.40
		889	1.346e+04	16.09	-2046.42	-2045.26	14.93	48.85	48.07	-26.80	-24.54	45.82	-12.78
133	7	201	1.078e+04	15.67	-1784.14	-1782.88	14.41	47.53	19.40	-32.22	-27.35	14.53	-15.09
		204	1.030e+04	70.78	-1755.31	-1755.28	70.75	8.09	25.25	-19.72	-17.50	23.03	-9.74
		890	1.285e+04	70.78	-1948.18	-1948.15	70.75	8.09	55.11	-14.64	-13.93	54.40	-7.01
		889	1.312e+04	15.54	-1976.89	-1975.76	14.41	47.53	48.04	-25.91	-23.78	45.91	-12.36
133	8	201	8445.19	12.58	-1397.16	-1396.08	11.49	39.17	15.41	-25.14	-21.33	11.60	-11.82
		204	8055.27	53.85	-1375.41	-1375.35	53.79	9.56	20.12	-15.12	-13.40	18.40	-7.59
		890	1.007e+04	53.84	-1521.43	-1521.37	53.79	9.56	43.89	-11.18	-10.65	43.36	-5.38
		889	1.029e+04	12.48	-1543.08	-1542.10	11.49	39.17	38.19	-20.20	-18.58	36.56	-9.61
133	9	201	7831.54	11.53	-1310.05	-1309.11	10.59	35.30	13.39	-23.27	-19.76	9.88	-10.79
		204	7505.72	51.09	-1289.31	-1289.28	51.05	6.97	17.27	-14.82	-13.16	15.61	-7.12
		890	9214.36	51.09	-1420.67	-1420.64	51.05	6.97	37.60	-11.20	-10.61	37.01	-5.32
		889	9401.78	11.45	-1441.33	-1440.47	10.59	35.30	32.89	-18.83	-17.22	31.28	-8.99
133	10	201	7652.08	11.33	-1274.70	-1273.75	10.37	34.97	13.39	-22.78	-19.33	9.95	-10.62
		204	7317.52	49.70	-1254.54	-1254.50	49.66	7.47	17.38	-14.19	-12.57	15.75	-6.98
		890	9073.46	49.70	-1392.35	-1392.31	49.66	7.47	37.72	-10.71	-10.17	37.17	-5.11
		889	9266.73	11.23	-1412.42	-1411.56	10.37	34.97	32.91	-18.47	-16.93	31.37	-8.74
133	11	201	7801.68	11.34	-1302.31	-1301.42	10.45	34.19	13.38	-23.25	-19.75	9.88	-10.76
		204	7475.94	51.77	-1281.21	-1281.19	51.75	5.28	17.27	-14.79	-13.13	15.62	-7.09
		890	9207.32	51.77	-1417.91	-1417.89	51.75	5.28	37.60	-11.19	-10.61	37.03	-5.28
		889	9394.29	11.26	-1438.93	-1438.13	10.45	34.19	32.89	-18.83	-17.23	31.29	-8.95
134	1	198	1.072e+04	39.35	-1782.51	-1773.68	30.51	126.55	21.42	-33.42	-26.68	14.67	-18.01
		201	1.033e+04	66.59	-1765.10	-1758.99	60.48	105.57	26.80	-22.00	-18.15	22.95	-13.16
		889	1.279e+04	66.08	-1931.99	-1926.40	60.48	105.57	56.37	-15.62	-14.17	54.92	-10.14
		888	1.298e+04	38.60	-1949.18	-1941.09	30.51	126.55	49.74	-25.80	-22.70	46.64	-14.99
134	2	198	1.167e+04	41.02	-1979.20	-1969.65	31.47	138.62	22.03	-34.98	-28.32	15.37	-18.31
		201	1.122e+04	81.36	-1953.72	-1948.00	75.65	107.69	28.46	-22.50	-18.38	24.35	-13.88
		889	1.406e+04	80.76	-2192.31	-2187.20	75.65	107.69	57.83	-17.13	-15.74	56.44	-10.10
		888	1.431e+04	40.01	-2217.39	-2208.84	31.47	138.62	50.24	-28.46	-25.68	47.46	-14.53
134	3	198	1.039e+04	38.29	-1718.15	-1709.44	29.58	123.38	21.29	-32.45	-25.96	14.81	-17.50
		201	9985.41	64.30	-1701.47	-1695.40	58.23	103.32	26.91	-20.76	-17.09	23.24	-12.71
		889	1.255e+04	63.73	-1884.37	-1878.88	58.23	103.32	56.51	-14.69	-13.39	55.21	-9.55
		888	1.275e+04	37.47	-1900.80	-1892.92	29.58	123.38	49.64	-25.12	-22.26	46.78	-14.35
134	4	198	1.041e+04	37.99	-1719.72	-1711.22	29.49	121.93	21.31	-32.50	-26.00	14.81	-17.54
		201	9999.21	65.60	-1702.10	-1696.35	59.84	100.68	26.93	-20.80	-17.11	23.24	-12.75
		889	1.258e+04	65.04	-1889.97	-1884.77	59.84	100.68	56.52	-14.73	-13.42	55.21	-9.58
		888	1.278e+04	37.16	-1907.32	-1899.65	29.49	121.93	49.65	-25.18	-22.31	46.78	-14.37
134	5	198	1.054e+04	38.37	-1746.91	-1738.38	29.84	123.12	21.36	-32.75	-26.22	14.82	-17.63
		201	1.013e+04	66.72	-1728.86	-1723.12	60.98	101.33	26.99	-21.05	-17.32	23.27	-12.85
		889	1.268e+04	66.19	-1909.62	-1904.41	60.98	101.33	56.57	-14.98	-13.65	55.24	-9.67
		888	1.288e+04	37.58	-1927.42	-1919.67	29.84	123.12	49.69	-25.43	-22.54	46.80	-14.45
134	6	198	1.069e+04	39.08	-1774.77	-1766.06	30.36	125.43	21.38	-33.37	-26.68	14.69	-17.93
		201	1.030e+04	67.47	-1756.67	-1750.77	61.56	103.59	26.79	-21.93	-18.11	22.98	-13.10
		889	1.278e+04	66.96	-1928.70	-1923.31	61.56	103.59	56.38	-15.60	-14.16	54.94	-10.06
		888	1.297e+04	38.32	-1946.56	-1938.60	30.36	125.43	49.72	-25.79	-22.73	46.66	-14.90
134	7	198	1.032e+04	37.70	-1703.30	-1694.83	29.24	121.11	21.25	-32.33	-25.83	14.75	-17.49
		201	9921.23	64.83	-1685.97	-1680.21	59.07	100.23	26.79	-20.72	-17.06	23.13	-12.67
		889	1.246e+04	64.29	-1864.20	-1858.98	59.07	100.23	56.41	-14.57	-13.26	55.09	-9.56
		888	1.265e+04	36.92	-1881.27	-1873.60	29.24	121.11	49.60	-24.92	-22.03	46.71	-14.39
134	8	198	8061.29	29.65	-1327.49	-1320.72	22.89	95.56	16.83	-25.20	-20.14	11.77	-13.67
		201	7735.28	49.56	-1314.70	-1309.97	44.83	80.20	21.32	-15.87	-13.05	18.50	-9.85
		889	9765.43	49.12	-1454.37	-1450.08	44.83	80.20	44.89	-11.09	-10.12	43.91	-7.33
		888	9922.68	29.02	-1466.96	-1460.83	22.89	95.56	39.38	-19.41	-17.21	37.19	-11.16
134	9	198	7487.52	27.54	-1249.16	-1242.98	21.37	88.57	14.71	-23.33	-18.65	10.03	-12.49
		201	7221.18	46.88	-1236.80	-1232.56	42.63	73.68	18.39	-15.54	-12.83	15.68	-9.20
		889	8923.77	46.51	-1358.60	-1354.73	42.63	73.68	38.56	-11.17	-10.13	37.51	-7.13
		888	9055.71	27.00	-1370.78	-1365.15	21.37	88.57	34.04	-18.12	-15.94	31.87	-10.42
134	10	198	7307.70	26.95	-1213.40	-1207.30	20.85	86.80	14.64	-22.79	-18.25	10.11	-12.21
		201	7031.89	45.60	-1201.46	-1197.24	41.38	72.43	18.45	-14.86	-12.25	15.84	-8.95
		889	8792.40	45.20	-1332.14	-1328.33	41.38	72.43	38.63	-10.65	-9.69	37.68	-6.80
		888	8930.54	26.37	-1343.91	-1338.39	20.85	86.80	33.98	-17.74	-15.70	31.94	-10.06
134	11	198	7470.87	27.39	-1244.86	-1238.75	21.28	87.94	14.69	-23.30	-18.65	10.04	-12.45
		201	7204.41	47.36	-1232.12	-1227.99	43.23	72.58	18.38	-15.51	-12.81	15.69	-9.16
		889	8920.25	47.00	-1356.77	-1353.01	43.23	72.58	38.56	-11.16	-10.12	37.53	-7.08
		888	9051.98	26.84	-1369.33	-1363.77	21.28	87.94	34.03	-18.11	-15.96	31.88	-10.37
135	1	194	9309.92	66.59	-1531.47	-1504.30	39.42	206.59	23.46	-31.57	-22.95	14.84	-20.00

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		198	9022.40	72.26	-1526.74	-1500.88	46.40	201.70	28.67	-21.16	-15.54	23.05	-15.76
		888	1.155e+04	69.95	-1681.37	-1657.82	46.40	201.70	57.85	-13.55	-11.38	55.68	-12.26
		887	1.163e+04	64.15	-1685.98	-1661.24	39.42	206.59	51.34	-22.68	-18.80	47.46	-16.49
135	2	194	1.015e+04	73.17	-1713.16	-1684.15	44.15	225.81	23.21	-32.27	-24.44	15.38	-19.32
		198	9839.49	77.87	-1709.28	-1681.32	49.91	221.78	29.59	-21.27	-16.05	24.36	-15.44
		888	1.261e+04	74.99	-1911.26	-1886.18	49.91	221.78	58.67	-14.62	-12.89	56.94	-11.12
		887	1.272e+04	70.18	-1915.03	-1889.00	44.15	225.81	51.07	-24.39	-21.28	47.95	-15.00
135	3	194	9021.02	64.48	-1473.19	-1446.63	37.91	200.35	23.15	-30.59	-22.37	14.93	-19.34
		198	8721.16	69.52	-1468.97	-1443.58	44.13	196.01	28.63	-19.91	-14.63	23.34	-15.12
		888	1.135e+04	66.94	-1640.02	-1617.21	44.13	196.01	57.82	-12.63	-10.71	55.90	-11.47
		887	1.143e+04	61.78	-1644.11	-1620.25	37.91	200.35	51.03	-22.00	-18.45	47.49	-15.69
135	4	194	9049.79	64.44	-1479.09	-1452.62	37.98	200.38	23.16	-30.65	-22.42	14.93	-19.37
		198	8750.77	70.73	-1473.84	-1448.83	45.72	194.96	28.65	-19.96	-14.66	23.34	-15.15
		888	1.139e+04	68.16	-1648.03	-1625.59	45.72	194.96	57.83	-12.68	-10.75	55.90	-11.50
		887	1.147e+04	61.72	-1653.13	-1629.38	37.98	200.38	51.04	-22.06	-18.51	47.49	-15.72
135	5	194	9164.35	65.13	-1504.42	-1477.73	38.45	202.90	23.19	-30.85	-22.60	14.95	-19.44
		198	8867.29	71.78	-1498.88	-1473.73	46.63	197.18	28.69	-20.17	-14.84	23.36	-15.23
		888	1.147e+04	69.34	-1664.81	-1642.09	46.63	197.18	57.87	-12.89	-10.95	55.93	-11.56
		887	1.155e+04	62.55	-1670.19	-1646.10	38.45	202.90	51.07	-22.27	-18.71	47.51	-15.76
135	6	194	9292.95	66.30	-1527.37	-1500.23	39.16	206.20	23.40	-31.51	-22.97	14.85	-19.91
		198	9006.10	72.77	-1521.98	-1496.33	47.11	200.63	28.65	-21.08	-15.52	23.08	-15.68
		888	1.155e+04	70.43	-1679.50	-1656.18	47.11	200.63	57.83	-13.53	-11.39	55.70	-12.16
		887	1.162e+04	63.82	-1684.74	-1660.08	39.16	206.20	51.29	-22.67	-18.84	47.46	-16.39
135	7	194	8978.46	63.93	-1464.09	-1437.82	37.66	198.62	23.17	-30.55	-22.26	14.89	-19.41
		198	8680.87	69.93	-1459.08	-1434.20	45.05	193.44	28.56	-19.92	-14.59	23.23	-15.16
		888	1.128e+04	67.47	-1624.00	-1601.58	45.05	193.44	57.75	-12.56	-10.60	55.79	-11.57
		887	1.136e+04	61.33	-1628.87	-1605.20	37.66	198.62	51.05	-21.88	-18.27	47.44	-15.82
135	8	194	7000.92	49.88	-1137.60	-1117.04	29.32	154.91	18.30	-23.80	-17.36	11.86	-15.15
		198	6758.67	53.64	-1134.46	-1114.77	33.95	151.67	22.67	-15.24	-11.14	18.57	-11.77
		888	8838.09	51.66	-1265.17	-1247.46	33.95	151.67	45.89	-9.50	-8.04	44.43	-8.87
		887	8903.26	47.81	-1268.22	-1249.73	29.32	154.91	40.47	-17.00	-14.26	37.72	-12.25
135	9	194	6500.76	46.64	-1073.68	-1054.64	27.59	144.83	16.09	-21.99	-16.04	10.15	-13.82
		198	6307.41	50.76	-1070.25	-1052.15	32.67	141.28	19.67	-14.92	-11.01	15.75	-10.96
		888	8053.82	49.08	-1183.13	-1166.71	32.67	141.28	39.58	-9.71	-8.18	38.05	-8.55
		887	8107.04	44.87	-1186.48	-1169.20	27.59	144.83	35.14	-15.91	-13.22	32.44	-11.41
135	10	194	6340.19	45.47	-1041.31	-1022.59	26.76	141.37	15.92	-21.44	-15.72	10.20	-13.46
		198	6139.79	49.24	-1038.15	-1020.32	31.40	138.11	19.64	-14.23	-10.50	15.91	-10.60
		888	7941.54	47.41	-1160.16	-1144.15	31.40	138.11	39.56	-9.19	-7.80	38.17	-8.11
		887	7997.95	43.55	-1163.22	-1146.42	26.76	141.37	34.96	-15.53	-13.02	32.46	-10.96
135	11	194	6491.35	46.48	-1071.40	-1052.37	27.45	144.61	16.06	-21.96	-16.05	10.15	-13.77
		198	6298.34	51.04	-1067.60	-1049.62	33.06	140.68	19.65	-14.88	-11.00	15.77	-10.91
		888	8052.79	49.35	-1182.09	-1165.80	33.06	140.68	39.57	-9.69	-8.18	38.06	-8.49
		887	8105.36	44.68	-1185.79	-1168.55	27.45	144.61	35.11	-15.90	-13.24	32.45	-11.35
136	1	170	7062.72	120.78	-1116.15	-1056.10	60.73	265.84	25.70	-27.28	-16.90	15.32	-21.03
		194	6788.98	91.56	-1153.44	-1077.97	16.09	297.09	30.49	-17.93	-10.38	22.94	-17.57
		887	9490.28	84.70	-1270.44	-1201.83	16.09	297.09	59.96	-9.27	-6.33	57.03	-13.96
		886	9544.99	115.29	-1234.52	-1179.96	60.73	265.84	53.95	-17.40	-12.86	49.41	-17.42
136	2	170	7686.42	139.70	-1262.69	-1198.67	75.68	292.71	24.50	-27.33	-18.16	15.33	-19.78
		194	7486.27	105.30	-1305.45	-1224.04	23.89	328.97	30.33	-17.94	-11.41	23.80	-16.51
		887	1.026e+04	97.55	-1445.40	-1371.75	23.89	328.97	59.55	-9.88	-7.72	57.40	-12.05
		886	1.025e+04	133.58	-1404.27	-1346.38	75.68	292.71	52.43	-17.98	-14.47	48.92	-15.32
136	3	170	6850.36	117.26	-1071.28	-1013.33	59.30	255.98	25.17	-26.52	-16.57	15.22	-20.38
		194	6580.52	87.80	-1109.05	-1035.43	14.18	287.56	30.22	-16.93	-9.84	23.13	-16.85
		887	9333.72	80.24	-1237.65	-1171.60	14.18	287.56	59.55	-8.48	-5.88	56.95	-13.05
		886	9373.32	111.27	-1201.46	-1149.49	59.30	255.98	53.21	-16.78	-12.60	49.03	-16.57
136	4	170	6878.22	118.06	-1077.57	-1019.34	59.83	257.36	25.18	-26.57	-16.62	15.23	-20.39
		194	6609.57	89.11	-1114.62	-1041.04	15.53	288.36	30.24	-16.98	-9.88	23.14	-16.88
		887	9375.87	81.40	-1246.95	-1181.08	15.53	288.36	59.56	-8.54	-5.93	56.96	-13.07
		886	9415.55	111.93	-1211.48	-1159.38	59.83	257.36	53.22	-16.84	-12.66	49.04	-16.59
136	5	170	6962.39	119.82	-1097.34	-1038.59	61.06	260.88	25.20	-26.69	-16.74	15.25	-20.43
		194	6697.74	90.46	-1134.75	-1060.54	16.25	292.25	30.27	-17.14	-10.03	23.16	-16.93
		887	9434.45	83.18	-1259.95	-1193.03	16.25	292.25	59.61	-8.70	-6.08	56.99	-13.11
		886	9472.59	114.02	-1224.03	-1171.07	61.06	260.88	53.26	-16.97	-12.79	49.08	-16.61
136	6	170	7054.66	120.71	-1113.91	-1054.05	60.84	265.19	25.62	-27.24	-16.93	15.31	-20.94
		194	6783.31	91.31	-1151.43	-1076.05	15.93	296.62	30.44	-17.88	-10.40	22.96	-17.47
		887	9482.57	84.45	-1268.20	-1199.69	15.93	296.62	59.90	-9.25	-6.36	57.01	-13.84
		886	9534.28	115.24	-1232.07	-1177.68	60.84	265.19	53.85	-17.37	-12.89	49.36	-17.31
136	7	170	6827.72	116.19	-1066.27	-1008.47	58.40	254.94	25.27	-26.53	-16.48	15.22	-20.48
		194	6553.50	87.72	-1102.75	-1029.84	14.80	285.46	30.24	-16.95	-9.77	23.06	-16.94
		887	9289.28	80.45	-1226.50	-1160.85	14.80	285.46	59.59	-8.45	-5.78	56.92	-13.21
		886	9332.73	110.40	-1191.49	-1139.49	58.40	254.94	53.34	-16.75	-12.49	49.08	-16.75
136	8	170	5325.99	90.34	-826.96	-782.12	45.51	197.79	19.89	-20.71	-12.88	12.06	-16.02

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		194	5107.85	67.62	-856.14	-799.19	10.67	222.17	23.93	-12.99	-7.46	18.40	-13.17
		887	7285.28	61.85	-953.83	-902.65	10.67	222.17	47.21	-6.31	-4.31	45.22	-10.14
		886	7314.07	85.78	-925.85	-885.58	45.51	197.79	42.12	-12.98	-9.73	38.87	-12.99
136	9	170	4923.28	85.03	-782.57	-740.52	42.98	186.32	17.62	-18.93	-11.80	10.50	-14.48
		194	4737.60	64.38	-808.91	-755.97	11.43	208.40	20.90	-12.62	-7.40	15.68	-12.15
		887	6603.43	59.36	-894.80	-846.88	11.43	208.40	41.04	-6.69	-4.65	38.99	-9.68
		886	6641.39	81.02	-869.47	-831.42	42.98	186.32	36.95	-12.18	-9.05	33.81	-12.00
136	10	170	4805.20	83.07	-757.64	-716.75	42.19	180.83	17.32	-18.50	-11.62	10.44	-14.11
		194	4624.56	62.29	-784.25	-732.34	10.38	203.10	20.74	-12.07	-7.11	15.78	-11.75
		887	6516.08	56.88	-876.59	-830.08	10.38	203.10	40.81	-6.25	-4.39	38.95	-9.17
		886	6545.94	78.79	-851.10	-814.50	42.19	180.83	36.53	-11.83	-8.91	33.61	-11.53
136	11	170	4918.84	84.99	-781.32	-739.38	43.04	185.95	17.57	-18.90	-11.82	10.49	-14.43
		194	4737.47	64.23	-807.79	-754.91	11.35	208.14	20.86	-12.59	-7.41	15.69	-12.10
		887	6599.16	59.22	-893.56	-845.69	11.35	208.14	41.01	-6.68	-4.66	38.98	-9.61
		886	6635.47	80.99	-868.11	-830.16	43.04	185.95	36.89	-12.16	-9.06	33.79	-11.94
137	1	72	5871.21	-17.30	-788.78	-602.35	-203.74	330.26	33.54	-11.89	-4.22	25.87	-17.01
		170	5493.46	0.80	-718.50	-573.28	-144.42	288.74	34.50	-9.43	-2.10	27.17	-16.38
		886	7101.58	36.29	-605.77	-425.07	-144.42	288.74	61.05	-3.39	0.81	56.85	-15.90
		1	7459.73	24.26	-682.13	-454.13	-203.74	330.26	60.02	-5.77	-1.31	55.56	-16.54
137	2	72	6139.71	-18.92	-929.15	-695.85	-252.23	397.41	31.31	-11.95	-5.15	24.51	-15.75
		170	5555.31	13.22	-801.69	-643.36	-145.11	322.42	33.37	-9.84	-3.45	26.98	-15.34
		886	6858.85	38.77	-710.46	-526.58	-145.11	322.42	58.43	-3.72	-0.57	55.28	-13.63
		1	7380.51	14.05	-845.34	-579.07	-252.23	397.41	56.18	-5.64	-2.27	52.81	-14.03
137	3	72	5698.55	-16.60	-761.45	-581.02	-197.03	319.12	32.69	-11.65	-4.23	25.27	-16.55
		170	5332.78	1.12	-692.55	-552.54	-138.89	278.42	33.96	-9.05	-2.09	26.99	-15.84
		886	6897.43	34.73	-585.37	-411.75	-138.89	278.42	59.86	-2.99	0.85	56.03	-15.04
		1	7225.28	22.87	-660.13	-440.23	-197.03	319.12	58.46	-5.45	-1.30	54.30	-15.75
137	4	72	5723.91	-16.71	-768.35	-585.76	-199.30	322.34	32.70	-11.67	-4.25	25.28	-16.56
		170	5347.68	1.62	-697.02	-556.27	-139.13	280.22	33.98	-9.07	-2.11	27.02	-15.85
		886	6904.98	34.86	-590.44	-416.45	-139.13	280.22	59.88	-3.02	0.82	56.05	-15.04
		1	7243.18	22.50	-667.75	-445.94	-199.30	322.34	58.46	-5.48	-1.33	54.32	-15.75
137	5	72	5772.63	-17.40	-783.72	-597.46	-203.66	328.70	32.71	-11.71	-4.30	25.29	-16.56
		170	5380.88	2.01	-708.48	-566.33	-140.14	284.23	34.01	-9.15	-2.18	27.03	-15.88
		886	6927.00	36.25	-598.16	-421.78	-140.14	284.23	59.92	-3.09	0.74	56.10	-15.05
		1	7281.08	23.25	-679.82	-452.91	-203.66	328.70	58.49	-5.51	-1.38	54.36	-15.72
137	6	72	5854.66	-18.45	-791.06	-606.22	-203.29	329.61	33.42	-11.87	-4.24	25.79	-16.95
		170	5479.70	-0.26	-721.39	-577.32	-144.32	288.34	34.40	-9.44	-2.17	27.13	-16.31
		886	7088.55	39.03	-597.75	-414.39	-144.32	288.34	60.90	-3.37	0.78	56.76	-15.79
		1	7441.74	27.49	-674.07	-443.29	-203.29	329.61	59.83	-5.71	-1.29	55.42	-16.43
137	7	72	5695.92	-17.02	-756.79	-579.08	-194.73	316.04	32.87	-11.65	-4.15	25.38	-16.66
		170	5339.73	0.02	-691.03	-551.85	-139.16	277.14	34.06	-9.02	-1.98	27.02	-15.93
		886	6925.59	35.90	-577.92	-402.86	-139.16	277.14	60.08	-2.96	0.96	56.17	-15.22
		1	7247.68	24.83	-649.65	-430.09	-194.73	316.04	58.77	-5.46	-1.22	54.52	-15.95
137	8	72	4450.69	-12.91	-586.41	-448.11	-151.21	245.33	25.82	-9.14	-3.27	19.94	-13.07
		170	4172.62	0.35	-535.01	-426.84	-107.82	214.96	26.88	-6.96	-1.49	21.41	-12.45
		886	5418.07	27.13	-450.22	-315.27	-107.82	214.96	47.31	-2.14	0.84	44.32	-11.77
		1	5662.02	18.38	-506.12	-336.53	-151.21	245.33	46.12	-4.20	-0.94	42.85	-12.40
137	9	72	4072.61	-12.06	-555.11	-423.25	-143.92	232.85	22.99	-8.21	-2.98	17.75	-11.66
		170	3803.47	1.10	-503.88	-402.07	-100.70	202.60	23.62	-6.64	-1.60	18.58	-11.28
		886	4896.23	25.18	-426.77	-300.89	-100.70	202.60	41.86	-2.51	0.39	38.96	-10.96
		1	5154.05	16.31	-482.30	-322.07	-143.92	232.85	41.19	-4.04	-0.99	38.14	-11.34
137	10	72	3976.57	-11.67	-539.92	-411.40	-140.19	226.66	22.52	-8.08	-2.99	17.42	-11.40
		170	3713.89	1.28	-489.46	-390.55	-97.63	196.87	23.32	-6.43	-1.59	18.49	-10.98
		886	4782.29	24.32	-415.44	-293.49	-97.63	196.87	41.20	-2.29	0.41	38.51	-10.48
		1	5023.54	15.54	-470.08	-314.35	-140.19	226.66	40.32	-3.86	-0.98	37.44	-10.91
137	11	72	4063.47	-12.70	-556.37	-425.40	-143.67	232.49	22.92	-8.20	-2.99	17.71	-11.62
		170	3795.84	0.51	-505.48	-404.32	-100.65	202.37	23.57	-6.64	-1.64	18.56	-11.23
		886	4888.82	26.68	-422.29	-294.96	-100.65	202.37	41.78	-2.50	0.37	38.91	-10.90
		1	5143.90	18.09	-477.81	-316.04	-143.67	232.49	41.09	-4.01	-0.98	38.06	-11.28
138	1	1126	5858.49	-39.76	-482.44	-269.33	-252.88	221.19	39.12	-11.72	-4.80	32.20	-17.44
		78	5181.15	-40.19	-493.84	-273.21	-260.81	226.74	42.61	8.49	10.45	40.65	-7.94
		3	6706.39	97.92	-404.13	-45.40	-260.81	226.74	58.46	12.52	16.04	54.95	-12.21
		1133	7426.33	97.94	-392.33	-41.51	-252.88	221.19	55.16	-7.87	0.79	46.50	-21.71
138	2	1126	5766.28	-39.11	-474.86	-265.37	-248.60	217.71	38.59	-11.54	-4.85	31.90	-17.04
		78	5124.08	-39.77	-492.64	-271.43	-260.98	226.37	42.18	8.82	10.63	40.38	-7.55
		3	6581.12	96.45	-404.35	-46.93	-260.98	226.37	56.93	11.79	15.12	53.59	-11.80
		1133	7292.81	96.49	-385.95	-40.86	-248.60	217.71	53.53	-8.77	-0.36	45.12	-21.29
138	3	1126	5752.70	-38.60	-465.14	-260.40	-243.34	213.10	38.74	-11.57	-4.81	31.98	-17.17
		78	5099.84	-39.24	-482.25	-266.23	-255.26	221.44	42.46	9.37	11.14	40.68	-7.46
		3	6536.31	95.35	-395.12	-44.51	-255.26	221.44	56.91	11.97	15.24	53.63	-11.68
		1133	7268.38	95.39	-377.40	-38.67	-243.34	213.10	53.39	-9.17	-0.71	44.93	-21.39
138	4	1126	5721.88	-38.63	-457.03	-257.13	-238.53	208.99	38.73	-11.58	-4.80	31.95	-17.18

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		78	5076.30	-39.38	-476.60	-263.81	-252.16	218.54	42.54	9.72	11.45	40.80	-7.34
		3	6495.53	95.89	-389.38	-41.33	-252.16	218.54	56.70	11.99	15.21	53.49	-11.55
		1133	7231.44	95.94	-369.11	-34.65	-238.53	208.99	53.09	-9.50	-1.05	44.64	-21.39
138	5	1126	5873.27	-44.29	-555.98	-309.53	-290.74	255.67	37.38	-11.30	-5.41	31.49	-15.88
		78	5362.18	-45.94	-603.40	-325.67	-323.67	278.73	41.29	9.35	10.68	39.95	-6.39
		3	6740.60	108.99	-503.23	-70.56	-323.67	278.73	53.83	9.53	12.50	50.86	-11.08
		1133	7417.60	109.07	-454.23	-54.43	-290.73	255.67	50.26	-11.45	-3.58	42.39	-20.58
138	6	1126	5842.65	-39.36	-478.98	-267.13	-251.21	219.67	39.07	-11.71	-4.80	32.16	-17.41
		78	5158.77	-39.72	-488.62	-270.42	-257.92	224.36	42.56	8.52	10.47	40.61	-7.91
		3	6678.75	96.84	-399.82	-45.06	-257.92	224.36	58.36	12.51	16.01	54.86	-12.17
		1133	7404.93	96.86	-389.84	-41.77	-251.21	219.66	55.05	-7.91	0.74	46.40	-21.67
138	7	1126	5746.24	-37.98	-461.17	-257.44	-241.71	211.45	38.76	-11.58	-4.76	31.94	-17.22
		78	5075.45	-38.41	-472.85	-261.43	-249.84	217.14	42.36	8.95	10.81	40.50	-7.66
		3	6530.58	93.53	-387.16	-43.79	-249.84	217.14	57.24	12.15	15.50	53.90	-11.82
		1133	7260.13	93.56	-375.06	-39.80	-241.71	211.45	53.82	-8.55	-0.07	45.34	-21.38
138	8	1126	4516.82	-29.76	-358.34	-200.61	-187.49	164.16	30.63	-9.13	-3.79	25.28	-13.57
		78	4000.15	-30.23	-370.95	-204.91	-196.27	170.30	33.55	7.33	8.75	32.13	-5.93
		3	5123.12	73.50	-303.78	-34.02	-196.27	170.30	44.88	9.43	12.00	42.31	-9.20
		1133	5697.87	73.53	-290.73	-29.71	-187.49	164.16	42.10	-7.18	-0.53	35.45	-16.83
138	9	1126	4047.38	-27.96	-339.19	-189.42	-177.73	155.50	26.86	-8.06	-3.31	22.11	-11.96
		78	3584.18	-28.30	-348.42	-192.57	-184.15	160.00	29.29	6.01	7.32	27.97	-5.37
		3	4636.08	68.88	-285.33	-32.29	-184.15	160.00	40.13	8.58	10.99	37.73	-8.37
		1133	5136.57	68.90	-275.78	-29.15	-177.73	155.50	37.84	-5.62	0.36	31.87	-14.97
138	10	1126	3988.52	-27.32	-329.57	-184.46	-172.43	151.01	26.64	-7.98	-3.32	21.99	-11.81
		78	3539.04	-27.78	-341.98	-188.69	-181.07	157.05	29.21	6.49	7.70	28.00	-5.10
		3	4541.52	67.45	-280.32	-31.80	-181.07	157.06	39.27	8.27	10.55	37.00	-8.08
		1133	5048.90	67.48	-267.48	-27.57	-172.43	151.01	36.85	-6.34	-0.48	30.99	-14.79
138	11	1126	4038.57	-27.74	-337.26	-188.20	-176.80	154.66	26.83	-8.05	-3.31	22.09	-11.95
		78	3571.73	-28.04	-345.52	-191.01	-182.55	158.68	29.26	6.02	7.33	27.95	-5.36
		3	4620.71	68.28	-282.93	-32.11	-182.55	158.68	40.08	8.58	10.97	37.68	-8.35
		1133	5124.68	68.30	-274.39	-29.29	-176.80	154.66	37.78	-5.64	0.33	31.81	-14.95
139	1	69	6795.84	39.89	-561.20	-381.59	-139.72	275.14	58.94	-2.32	1.40	55.23	-14.62
		200	7220.74	28.24	-645.19	-413.04	-203.91	320.07	57.68	-5.50	-1.22	53.40	-15.88
		267	5684.74	-18.94	-757.76	-572.80	-203.91	320.07	32.50	-11.60	-4.33	25.23	-16.36
		885	5212.10	0.09	-681.16	-541.35	-139.72	275.14	33.53	-8.18	-1.71	27.06	-15.10
139	2	69	6648.81	37.20	-561.86	-388.92	-135.74	271.46	58.05	-2.07	1.36	54.62	-13.95
		200	7075.94	24.13	-651.28	-422.63	-204.53	319.61	56.45	-5.31	-1.29	52.43	-15.24
		267	5615.47	-17.92	-751.93	-565.32	-204.53	319.61	31.87	-11.46	-4.37	24.78	-16.03
		885	5126.06	2.29	-669.64	-531.61	-135.74	271.46	33.19	-7.94	-1.71	26.97	-14.74
139	3	69	6635.53	35.81	-547.31	-376.72	-134.78	265.28	58.11	-1.98	1.50	54.63	-14.04
		200	7030.09	24.21	-627.68	-406.96	-196.51	308.49	56.58	-5.27	-1.19	52.49	-15.36
		267	5540.76	-17.14	-727.08	-547.71	-196.51	308.49	31.95	-11.41	-4.28	24.82	-16.07
		885	5085.21	0.97	-653.21	-517.46	-134.78	265.28	33.20	-7.84	-1.59	26.95	-14.75
139	4	69	6629.16	35.90	-543.03	-372.71	-134.42	263.81	58.09	-1.96	1.53	54.61	-14.04
		200	7016.87	24.63	-621.73	-402.30	-194.80	306.07	56.57	-5.25	-1.16	52.48	-15.37
		267	5521.72	-17.14	-722.11	-544.45	-194.80	306.07	31.94	-11.39	-4.26	24.81	-16.07
		885	5073.08	0.60	-649.88	-514.87	-134.42	263.81	33.18	-7.82	-1.57	26.93	-14.74
139	5	69	6539.91	31.87	-627.74	-462.57	-133.31	285.78	57.11	-2.39	0.66	54.06	-13.11
		200	7082.67	10.11	-750.75	-510.17	-230.47	353.79	55.02	-5.46	-1.89	51.44	-14.27
		267	5783.11	-15.44	-812.57	-597.54	-230.47	353.79	31.08	-11.61	-4.87	24.34	-15.57
		885	5160.36	12.02	-695.26	-549.93	-133.31	285.78	32.87	-8.22	-2.32	26.97	-14.41
139	6	69	6806.72	37.03	-567.77	-390.98	-139.76	275.08	59.09	-2.33	1.43	55.33	-14.73
		200	7233.49	24.98	-651.07	-422.34	-203.76	319.87	57.86	-5.56	-1.23	53.54	-15.98
		267	5695.06	-17.73	-753.77	-567.74	-203.76	319.87	32.62	-11.61	-4.30	25.31	-16.43
		885	5222.37	1.04	-677.18	-536.39	-139.76	275.08	33.63	-8.17	-1.64	27.10	-15.17
139	7	69	6647.87	36.91	-542.49	-370.82	-134.77	264.57	58.20	-1.95	1.57	54.68	-14.12
		200	7040.64	25.72	-621.68	-400.54	-195.42	307.03	56.71	-5.27	-1.14	52.59	-15.45
		267	5538.40	-17.58	-725.46	-547.61	-195.42	307.03	32.02	-11.40	-4.24	24.86	-16.12
		885	5086.55	0.31	-652.96	-517.89	-134.77	264.57	33.24	-7.82	-1.53	26.96	-14.78
139	8	69	5215.35	27.99	-420.75	-288.12	-104.63	204.76	45.94	-1.36	1.35	43.23	-11.00
		200	5510.74	19.44	-480.87	-310.71	-150.72	237.02	44.66	-4.07	-0.85	41.44	-12.10
		267	4329.09	-13.34	-559.63	-422.25	-150.72	237.02	25.25	-8.96	-3.31	19.60	-12.70
		885	3981.52	0.21	-504.51	-399.66	-104.63	204.76	26.29	-6.02	-1.11	21.38	-11.60
139	9	69	4685.99	27.29	-396.46	-271.70	-97.47	193.14	40.43	-1.76	0.81	37.86	-10.09
		200	4991.39	18.66	-457.31	-294.55	-144.10	225.78	39.60	-3.86	-0.92	36.67	-10.90
		267	3944.85	-13.05	-533.07	-402.02	-144.10	225.78	22.29	-8.01	-3.04	17.32	-11.22
		885	3609.18	0.72	-477.36	-379.17	-97.47	193.14	22.97	-5.77	-1.31	18.51	-10.40
139	10	69	4596.60	25.05	-388.76	-268.99	-94.72	187.66	39.97	-1.57	0.87	37.53	-9.76
		200	4885.33	16.43	-447.59	-291.17	-139.99	219.35	38.99	-3.73	-0.91	36.17	-10.62
		267	3864.68	-12.04	-516.03	-388.08	-139.99	219.35	21.98	-7.91	-3.02	17.09	-11.06
		885	3538.36	1.21	-461.83	-365.90	-94.72	187.66	22.78	-5.58	-1.24	18.45	-10.20
139	11	69	4692.19	25.72	-400.13	-276.91	-97.49	193.11	40.51	-1.77	0.83	37.91	-10.15

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		200	4998.60	16.86	-460.59	-299.71	-144.02	225.67	39.70	-3.89	-0.93	36.75	-10.96
		267	3950.53	-12.37	-530.86	-399.21	-144.02	225.67	22.35	-8.02	-3.03	17.36	-11.26
		885	3614.86	1.25	-475.15	-376.41	-97.49	193.11	23.02	-5.76	-1.27	18.53	-10.44
140	1	66	8949.64	83.32	-1166.05	-1097.96	15.23	283.61	58.80	-7.31	-4.85	56.34	-12.52
		69	9039.80	109.03	-1134.70	-1079.19	53.52	256.81	52.92	-16.29	-12.12	48.75	-16.48
		885	6671.60	113.70	-1042.40	-982.22	53.52	256.81	25.08	-25.62	-16.09	15.55	-19.81
		884	6345.84	89.02	-1074.78	-1000.98	15.23	283.61	29.66	-15.34	-8.83	23.15	-15.84
140	2	66	8906.49	82.30	-1158.58	-1092.01	15.73	279.60	58.54	-6.82	-4.59	56.31	-11.86
		69	8982.54	108.02	-1127.45	-1073.31	53.88	252.89	52.38	-15.93	-12.02	48.47	-15.86
		885	6592.31	112.98	-1028.40	-969.31	53.88	252.89	24.71	-25.13	-15.91	15.49	-19.36
		884	6274.08	88.36	-1060.63	-988.00	15.73	279.60	29.53	-14.69	-8.48	23.32	-15.36
140	3	66	8807.60	79.39	-1135.88	-1070.67	14.18	273.84	58.51	-6.63	-4.38	56.26	-11.89
		69	8887.44	104.71	-1105.24	-1052.27	51.74	247.55	52.40	-15.76	-11.81	48.46	-15.92
		885	6470.69	110.04	-999.40	-941.10	51.74	247.55	24.73	-25.00	-15.73	15.46	-19.37
		884	6145.17	85.92	-1031.24	-959.50	14.18	273.84	29.49	-14.52	-8.29	23.27	-15.34
140	4	66	8774.44	78.65	-1128.09	-1062.85	13.41	272.89	58.49	-6.58	-4.34	56.25	-11.87
		69	8853.71	104.18	-1097.10	-1044.26	51.34	246.34	52.39	-15.71	-11.76	48.45	-15.90
		885	6449.47	109.36	-994.55	-936.53	51.34	246.34	24.72	-24.96	-15.69	15.45	-19.35
		884	6123.36	85.00	-1026.71	-955.12	13.41	272.89	29.48	-14.48	-8.27	23.26	-15.32
140	5	66	9353.77	86.45	-1264.54	-1197.44	19.35	293.51	58.43	-7.30	-5.32	56.46	-11.22
		69	9417.61	115.76	-1230.36	-1176.56	61.97	263.67	51.83	-16.43	-12.90	48.29	-15.12
		885	6830.12	122.97	-1077.79	-1016.79	61.97	263.67	24.33	-25.39	-16.58	15.53	-18.98
		884	6535.19	95.38	-1113.70	-1037.67	19.35	293.51	29.58	-14.90	-9.01	23.69	-15.07
140	6	66	8952.21	83.53	-1166.41	-1098.49	15.61	283.34	58.87	-7.32	-4.82	56.36	-12.63
		69	9045.14	108.75	-1135.65	-1080.08	53.18	257.04	53.03	-16.31	-12.08	48.80	-16.59
		885	6669.45	113.50	-1042.07	-981.75	53.18	257.04	25.16	-25.66	-16.06	15.56	-19.89
		884	6341.14	89.30	-1073.85	-1000.16	15.61	283.34	29.72	-15.38	-8.79	23.13	-15.93
140	7	66	8773.09	79.46	-1127.43	-1062.11	14.14	273.06	58.52	-6.60	-4.32	56.25	-11.96
		69	8854.09	104.50	-1097.00	-1043.87	51.37	247.01	52.46	-15.72	-11.74	48.48	-15.99
		885	6465.30	109.47	-998.74	-940.64	51.37	247.01	24.77	-24.99	-15.68	15.46	-19.41
		884	6137.80	85.54	-1030.27	-958.88	14.14	273.06	29.50	-14.51	-8.25	23.23	-15.37
140	8	66	8779.64	61.18	-875.20	-824.72	10.71	211.47	46.39	-4.88	-3.15	44.67	-9.25
		69	6939.82	80.66	-851.58	-810.55	39.64	191.22	41.50	-12.21	-9.13	38.41	-12.49
		885	5032.34	84.74	-771.06	-725.96	39.64	191.22	19.56	-19.54	-12.24	12.25	-15.24
		884	4770.50	66.17	-795.60	-740.14	10.71	211.47	23.37	-11.12	-6.26	18.51	-12.00
140	9	66	6223.20	58.46	-821.56	-773.97	10.87	199.04	40.25	-5.32	-3.60	38.53	-8.69
		69	6286.51	76.64	-799.47	-760.72	37.90	180.12	36.25	-11.40	-8.51	33.37	-11.36
		885	4650.12	80.07	-731.36	-689.18	37.90	180.12	17.20	-17.77	-11.23	10.65	-13.64
		884	4430.96	62.65	-754.20	-702.42	10.87	199.04	20.32	-10.82	-6.31	15.81	-10.96
140	10	66	6143.87	56.28	-804.80	-758.81	10.29	193.61	40.08	-4.94	-3.34	38.48	-8.35
		69	6201.69	74.25	-783.10	-745.77	36.91	174.98	35.96	-11.10	-8.35	33.21	-11.05
		885	4538.25	78.04	-707.47	-666.34	36.91	174.98	17.01	-17.43	-11.02	10.60	-13.39
		884	4319.12	60.93	-730.01	-679.38	10.29	193.61	20.23	-10.37	-6.02	15.88	-10.69
140	11	66	6224.59	58.58	-821.75	-774.26	11.08	198.88	40.29	-5.33	-3.58	38.54	-8.76
		69	6289.43	76.49	-800.00	-761.21	37.71	180.25	36.31	-11.41	-8.50	33.40	-11.43
		885	4648.86	79.96	-731.18	-688.92	37.71	180.25	17.24	-17.79	-11.21	10.66	-13.68
		884	4428.28	62.80	-753.69	-701.97	11.08	198.88	20.35	-10.84	-6.29	15.80	-11.01
141	1	63	1.084e+04	72.04	-1540.94	-1517.48	48.58	193.09	57.10	-11.14	-9.39	55.35	-10.80
		66	1.097e+04	62.88	-1548.40	-1522.95	37.42	200.90	50.67	-21.15	-17.69	47.21	-15.38
		884	8710.64	65.16	-1417.67	-1389.93	37.42	200.90	22.93	-29.36	-21.54	15.12	-18.64
		881	8353.18	74.15	-1410.02	-1384.46	48.58	193.09	28.04	-18.03	-13.24	23.25	-14.06
141	2	63	1.077e+04	71.11	-1527.29	-1504.44	48.27	189.72	57.15	-10.56	-8.97	55.56	-10.26
		66	1.091e+04	61.67	-1534.95	-1510.07	36.79	197.75	50.48	-20.78	-17.55	47.25	-14.82
		884	8598.72	64.05	-1398.09	-1370.84	36.79	197.75	22.76	-28.75	-21.19	15.20	-18.22
		881	8232.62	73.29	-1390.24	-1365.22	48.27	189.72	28.10	-17.19	-12.61	23.51	-13.66
141	3	63	1.064e+04	69.17	-1499.54	-1476.99	46.62	186.75	57.06	-10.31	-8.72	55.47	-10.24
		66	1.078e+04	60.48	-1506.60	-1482.16	36.05	194.14	50.45	-20.50	-17.25	47.20	-14.83
		884	8436.08	63.02	-1361.73	-1334.77	36.05	194.14	22.73	-28.52	-20.95	15.16	-18.18
		881	8068.99	71.51	-1354.48	-1329.59	46.62	186.75	28.00	-16.98	-12.42	23.43	-13.58
141	4	63	1.061e+04	68.36	-1492.07	-1469.34	45.63	186.96	57.05	-10.26	-8.68	55.46	-10.21
		66	1.074e+04	60.40	-1498.56	-1474.09	35.94	193.75	50.44	-20.44	-17.20	47.20	-14.80
		884	8410.49	62.90	-1356.26	-1329.29	35.94	193.75	22.71	-28.47	-20.92	15.16	-18.15
		881	8043.24	70.69	-1349.60	-1324.54	45.63	186.96	27.98	-16.94	-12.39	23.43	-13.56
141	5	63	1.133e+04	75.09	-1649.58	-1626.99	52.50	196.08	57.56	-11.15	-9.69	56.10	-9.92
		66	1.148e+04	63.06	-1659.16	-1634.10	38.00	206.24	50.44	-21.72	-18.74	47.46	-14.36
		884	8918.99	66.32	-1463.88	-1435.56	38.00	206.24	22.76	-29.26	-21.92	15.42	-18.10
		881	8543.68	78.02	-1453.98	-1428.46	52.50	196.08	28.57	-17.38	-12.87	24.06	-13.67
141	6	63	1.083e+04	71.76	-1539.86	-1516.36	48.26	193.18	57.12	-11.16	-9.37	55.33	-10.90
		66	1.097e+04	62.99	-1547.00	-1521.59	37.58	200.65	50.72	-21.15	-17.64	47.21	-15.48
		884	8710.68	65.25	-1417.39	-1389.72	37.58	200.65	22.99	-29.40	-21.52	15.11	-18.73
		881	8352.53	73.85	-1410.08	-1384.49	48.26	193.18	28.07	-18.09	-13.25	23.22	-14.15
141	7	63	1.060e+04	69.12	-1489.71	-1467.14	46.55	186.20	57.03	-10.27	-8.66	55.42	-10.27

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		66	1.073e+04	60.43	-1496.77	-1472.32	35.98	193.60	50.46	-20.43	-17.16	47.18	-14.88
		884	8424.90	62.83	-1360.07	-1333.22	35.98	193.60	22.74	-28.49	-20.90	15.15	-18.20
		881	8058.77	71.32	-1352.81	-1328.04	46.55	186.20	27.97	-16.98	-12.40	23.39	-13.59
141	8	63	8291.49	53.41	-1156.42	-1138.94	35.93	144.36	45.30	-7.71	-6.50	44.09	-7.91
		66	8397.99	46.77	-1161.82	-1142.90	27.85	150.02	40.01	-15.86	-13.34	37.49	-11.59
		884	6547.52	48.71	-1050.87	-1030.00	27.85	150.02	17.98	-22.20	-16.27	12.05	-14.25
		881	6252.64	55.21	-1045.32	-1026.04	35.93	144.36	22.18	-12.97	-9.43	18.64	-10.57
141	9	63	7554.69	50.51	-1084.47	-1068.08	34.13	135.39	39.06	-8.02	-6.78	37.82	-7.54
		66	7646.60	44.03	-1089.74	-1071.94	26.24	140.91	34.68	-14.83	-12.42	32.27	-10.65
		884	6082.95	45.69	-994.71	-975.26	26.24	140.91	15.73	-20.44	-15.05	10.33	-12.89
		881	5841.17	52.04	-989.30	-971.39	34.13	135.39	19.23	-12.75	-9.41	15.88	-9.78
141	10	63	7441.97	48.92	-1061.47	-1045.58	33.03	131.87	39.04	-7.56	-6.40	37.88	-7.23
		66	7535.75	42.70	-1066.51	-1049.28	25.48	137.16	34.55	-14.46	-12.18	32.26	-10.34
		884	5930.27	44.50	-963.63	-944.61	25.48	137.16	15.62	-19.98	-14.72	10.36	-12.63
		881	5682.98	50.57	-958.45	-940.91	33.03	131.87	19.20	-12.17	-8.95	15.98	-9.52
141	11	63	7550.54	50.36	-1083.86	-1067.45	33.95	135.44	39.07	-8.03	-6.77	37.81	-7.60
		66	7642.96	44.10	-1088.95	-1071.19	26.33	140.77	34.70	-14.83	-12.39	32.27	-10.71
		884	6082.94	45.74	-994.55	-975.14	26.33	140.77	15.76	-20.47	-15.03	10.33	-12.94
		881	5840.80	51.87	-989.34	-971.41	33.95	135.44	19.24	-12.78	-9.41	15.87	-9.83
142	1	60	1.196e+04	69.88	-1766.80	-1761.57	64.64	97.89	55.80	-13.06	-11.92	54.66	-8.79
		63	1.220e+04	38.21	-1786.75	-1778.54	30.00	122.14	49.19	-23.99	-21.26	46.46	-13.88
		881	9972.01	38.94	-1639.19	-1630.25	30.00	122.14	21.06	-30.97	-24.89	14.98	-16.71
		880	9518.88	70.34	-1618.97	-1613.27	64.64	97.89	26.39	-18.77	-15.55	23.17	-11.62
142	2	60	1.187e+04	69.28	-1748.96	-1743.94	64.26	95.43	55.98	-12.48	-11.43	54.93	-8.43
		63	1.212e+04	37.47	-1768.95	-1760.97	29.49	119.77	49.18	-23.66	-21.08	46.59	-13.48
		881	9837.34	38.22	-1614.76	-1606.03	29.49	119.77	21.05	-30.39	-24.45	15.11	-16.44
		880	9369.63	69.75	-1594.49	-1589.00	64.26	95.43	26.58	-17.93	-14.80	23.45	-11.39
142	3	60	1.172e+04	67.41	-1717.57	-1712.51	62.34	94.92	55.87	-12.18	-11.14	54.84	-8.33
		63	1.196e+04	36.88	-1736.80	-1728.87	28.95	118.30	49.11	-23.29	-20.72	46.53	-13.41
		881	9657.69	37.67	-1576.71	-1568.00	28.95	118.30	20.96	-30.07	-24.17	15.06	-16.32
		880	9193.19	67.91	-1557.20	-1551.63	62.34	94.92	26.44	-17.67	-14.59	23.36	-11.25
142	4	60	1.169e+04	66.72	-1711.28	-1706.08	61.52	96.01	55.86	-12.14	-11.11	54.84	-8.30
		63	1.193e+04	36.92	-1730.09	-1722.06	28.89	118.85	49.10	-23.24	-20.68	46.53	-13.38
		881	9636.90	37.71	-1572.78	-1563.96	28.89	118.85	20.95	-30.02	-24.13	15.06	-16.29
		880	9172.70	67.22	-1553.68	-1547.97	61.52	96.01	26.43	-17.64	-14.57	23.36	-11.22
142	5	60	1.247e+04	71.76	-1880.29	-1875.38	66.84	97.86	56.57	-13.24	-12.18	55.50	-8.55
		63	1.276e+04	39.03	-1900.64	-1892.83	31.22	122.80	49.44	-24.93	-22.41	46.92	-13.46
		881	1.021e+04	40.01	-1684.32	-1675.53	31.22	122.80	21.39	-31.19	-25.22	15.42	-16.68
		880	9702.89	72.38	-1663.61	-1658.08	66.84	97.86	27.28	-18.27	-14.99	24.00	-11.78
142	6	60	1.196e+04	69.44	-1765.94	-1760.65	64.15	98.43	55.79	-13.07	-11.91	54.63	-8.87
		63	1.219e+04	38.23	-1785.64	-1777.39	29.98	122.34	49.22	-23.99	-21.22	46.45	-13.97
		881	9974.27	38.95	-1639.80	-1630.84	29.98	122.34	21.10	-31.01	-24.87	14.97	-16.79
		880	9521.61	69.90	-1619.85	-1614.10	64.15	98.43	26.41	-18.82	-15.56	23.15	-11.69
142	7	60	1.167e+04	67.26	-1707.38	-1702.33	62.21	94.58	55.83	-12.12	-11.09	54.79	-8.33
		63	1.191e+04	36.80	-1726.58	-1718.66	28.88	117.91	49.09	-23.20	-20.62	46.51	-13.42
		881	9641.07	37.55	-1574.13	-1565.46	28.88	117.91	20.94	-30.02	-24.11	15.04	-16.31
		880	9179.10	67.74	-1554.66	-1549.13	62.21	94.58	26.39	-17.66	-14.58	23.32	-11.23
142	8	60	9122.09	52.00	-1325.02	-1321.09	48.06	73.51	44.38	-9.15	-8.38	43.61	-6.39
		63	9313.05	28.52	-1339.82	-1333.67	22.38	91.49	38.97	-18.01	-16.03	36.99	-10.44
		881	7490.16	29.13	-1217.21	-1210.46	22.38	91.49	16.58	-23.37	-18.76	11.97	-12.76
		880	7119.60	52.39	-1202.20	-1197.87	48.06	73.51	20.96	-13.47	-11.11	18.59	-8.71
142	9	60	8343.58	49.09	-1242.73	-1239.09	45.44	68.53	38.15	-9.37	-8.55	37.33	-6.19
		63	8509.14	26.77	-1256.78	-1251.05	21.03	85.62	33.66	-16.84	-14.92	31.74	-9.66
		881	6969.22	27.29	-1149.95	-1143.69	21.03	85.62	14.46	-21.61	-17.39	10.24	-11.59
		880	6660.14	49.42	-1135.71	-1131.73	45.44	68.53	18.10	-13.29	-11.02	15.83	-8.13
142	10	60	8207.40	47.72	-1215.38	-1211.83	44.17	66.88	38.19	-8.88	-8.12	37.43	-5.94
		63	8376.19	26.02	-1229.03	-1223.45	20.45	83.48	33.61	-16.45	-14.62	31.78	-9.39
		881	6794.47	26.58	-1115.24	-1109.11	20.45	83.48	14.41	-21.11	-16.99	10.28	-11.38
		880	6478.93	48.07	-1101.39	-1097.48	44.17	66.88	18.13	-12.68	-10.49	15.93	-7.92
142	11	60	8339.72	48.85	-1242.26	-1238.58	45.17	68.82	38.15	-9.38	-8.54	37.32	-6.24
		63	8505.05	26.77	-1256.17	-1250.41	21.02	85.73	33.67	-16.83	-14.89	31.73	-9.70
		881	6970.46	27.29	-1150.30	-1144.02	21.02	85.73	14.48	-21.63	-17.38	10.23	-11.64
		880	6661.67	49.18	-1136.20	-1132.19	45.17	68.82	18.11	-13.32	-11.03	15.82	-8.17
143	1	57	1.233e+04	77.58	-1845.02	-1845.02	77.58	1.82	54.58	-13.14	-12.55	53.99	-6.28
		60	1.264e+04	16.96	-1876.32	-1875.25	15.89	45.00	47.66	-24.91	-22.92	45.67	-11.85
		880	1.036e+04	17.07	-1700.97	-1699.80	15.89	45.00	19.29	-30.81	-26.30	14.78	-14.34
		879	9828.52	77.58	-1669.57	-1669.57	77.58	1.82	24.98	-17.81	-15.93	23.10	-8.77
143	2	57	1.223e+04	77.06	-1824.11	-1824.11	77.06	0.28	54.83	-12.60	-12.04	54.27	-6.12
		60	1.255e+04	16.53	-1855.26	-1854.26	15.53	43.35	47.75	-24.62	-22.70	45.82	-11.63
		880	1.021e+04	16.64	-1673.28	-1672.17	15.53	43.35	19.40	-30.30	-25.81	14.91	-14.25
		879	9666.84	77.06	-1642.01	-1642.01	77.06	0.28	25.25	-17.05	-15.16	23.36	-8.74
143	3	57	1.207e+04	74.99	-1791.67	-1791.67	74.99	2.09	54.72	-12.29	-11.75	54.19	-5.95

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		60	1.238e+04	16.38	-1821.95	-1820.90	15.34	43.85	47.66	-24.20	-22.31	45.77	-11.49
		880	1.004e+04	16.50	-1638.13	-1636.96	15.34	43.85	19.28	-29.94	-25.52	14.86	-14.06
		879	9498.52	74.99	-1607.74	-1607.73	74.99	2.09	25.09	-16.78	-14.96	23.28	-8.53
143	4	57	1.205e+04	74.49	-1786.83	-1786.82	74.48	3.64	54.72	-12.25	-11.73	54.19	-5.92
		60	1.236e+04	16.50	-1816.88	-1815.78	15.39	45.00	47.65	-24.16	-22.28	45.77	-11.46
		880	1.003e+04	16.62	-1637.14	-1635.91	15.39	45.00	19.27	-29.90	-25.49	14.86	-14.04
		879	9489.97	74.49	-1606.96	-1606.96	74.48	3.64	25.08	-16.74	-14.94	23.28	-8.50
143	5	57	1.280e+04	82.90	-1944.84	-1944.83	82.89	-3.33	55.46	-13.38	-12.73	54.81	-6.67
		60	1.316e+04	15.96	-1979.09	-1978.11	14.98	44.21	48.16	-26.00	-23.98	46.15	-12.06
		880	1.060e+04	16.09	-1747.39	-1746.28	14.98	44.21	19.95	-31.32	-26.55	15.18	-14.90
		879	1.002e+04	82.90	-1713.02	-1713.01	82.89	-3.33	26.03	-17.48	-15.30	23.85	-9.51
143	6	57	1.233e+04	77.24	-1844.73	-1844.73	77.24	2.68	54.57	-13.15	-12.55	53.97	-6.35
		60	1.236e+04	17.00	-1875.88	-1874.78	15.90	45.62	47.67	-24.91	-22.89	45.65	-11.92
		880	1.036e+04	17.12	-1703.32	-1702.11	15.90	45.62	19.32	-30.84	-26.29	14.77	-14.41
		879	9837.96	77.24	-1672.06	-1672.05	77.24	2.68	24.99	-17.85	-15.94	23.09	-8.84
143	7	57	1.203e+04	74.77	-1782.10	-1782.10	74.77	2.00	54.67	-12.23	-11.70	54.14	-5.92
		60	1.233e+04	16.35	-1812.27	-1811.23	15.31	43.62	47.63	-24.10	-22.21	45.75	-11.46
		880	1.001e+04	16.47	-1634.70	-1633.55	15.31	43.62	19.24	-29.86	-25.46	14.84	-14.03
		879	9480.65	74.77	-1604.42	-1604.42	74.77	2.00	25.04	-16.75	-14.95	23.24	-8.48
143	8	57	9392.42	57.80	-1382.56	-1382.56	57.80	1.91	43.50	-9.24	-8.85	43.11	-4.50
		60	9635.55	12.69	-1405.88	-1405.06	11.87	34.06	37.84	-18.70	-17.27	36.41	-8.90
		880	7782.21	12.78	-1265.13	-1264.22	11.87	34.06	15.25	-23.23	-19.81	11.82	-10.96
		879	7356.04	57.80	-1241.72	-1241.72	57.80	1.91	19.90	-12.77	-11.39	18.53	-6.56
143	9	57	8603.53	54.58	-1297.13	-1297.13	54.58	1.01	37.30	-9.43	-8.99	36.86	-4.49
		60	8817.97	11.86	-1319.17	-1318.42	11.12	31.43	32.60	-17.49	-16.07	31.18	-8.29
		880	7239.07	11.94	-1193.01	-1192.19	11.12	31.43	13.25	-21.53	-18.37	10.09	-9.99
		879	6877.48	54.58	-1170.90	-1170.90	54.58	1.01	17.12	-12.64	-11.29	15.77	-6.19
143	10	57	8456.09	53.14	-1267.49	-1267.49	53.14	1.16	37.37	-8.95	-8.55	36.97	-4.31
		60	8672.89	11.54	-1288.96	-1288.23	10.81	30.79	32.60	-17.09	-15.74	31.24	-8.09
		880	7060.82	11.62	-1158.10	-1157.28	10.81	30.79	13.24	-21.04	-17.94	10.14	-9.84
		879	6693.90	53.14	-1136.55	-1136.54	53.14	1.16	17.18	-12.06	-10.75	15.87	-6.06
143	11	57	8601.58	54.39	-1296.97	-1296.97	54.39	1.49	37.29	-9.43	-8.99	36.85	-4.53
		60	8815.71	11.88	-1318.92	-1318.17	11.13	31.77	32.60	-17.48	-16.06	31.18	-8.33
		880	7244.02	11.96	-1194.31	-1193.47	11.13	31.77	13.27	-21.54	-18.37	10.09	-10.03
		879	6882.74	54.39	-1172.28	-1172.28	54.39	1.49	17.13	-12.66	-11.29	15.76	-6.23
144	1	136	974.89	109.75	2.06	56.51	55.30	-53.84	-13.87	-157.28	-21.82	-149.33	32.82
		134	1051.79	80.42	0.70	46.42	34.71	-39.43	-14.02	-174.04	-25.59	-162.46	41.46
		129	614.26	67.00	-13.43	18.86	34.71	-39.43	57.52	-52.47	41.41	-36.36	-38.88
		123	683.40	97.56	-13.30	28.95	55.30	-53.84	69.53	-47.58	45.18	-23.24	-47.52
144	2	136	972.60	46.30	-5.20	33.10	8.00	-22.49	-17.44	-168.06	-26.20	-159.31	35.24
		134	1068.59	29.74	-10.88	25.79	-6.93	-12.04	-14.81	-184.03	-27.72	-171.12	44.93
		129	584.65	9.36	-15.83	0.46	-6.93	-12.04	50.12	-58.73	37.79	-46.40	-34.50
		123	629.26	30.37	-14.60	7.78	8.00	-22.49	59.96	-55.24	39.31	-34.59	-44.19
144	3	136	1088.29	13.40	-37.25	12.18	-36.03	7.76	-22.48	-184.55	-32.35	-174.68	38.75
		134	1199.46	11.50	-47.14	8.30	-43.94	13.30	-17.04	-199.22	-31.58	-184.68	49.37
		129	593.10	-11.30	-49.37	-16.72	-43.94	13.30	38.53	-70.98	31.56	-64.01	-26.72
		123	601.23	-10.48	-38.39	-12.84	-36.03	7.76	44.89	-68.11	30.80	-54.01	-37.34
144	4	136	1474.82	160.63	-7.63	74.72	78.28	-84.11	-35.51	-242.43	-50.72	-227.22	54.00
		134	1697.41	257.93	-5.96	107.26	144.71	-130.61	-38.03	-264.61	-59.48	-243.16	66.34
		129	785.78	247.58	-21.11	81.76	144.71	-130.61	58.96	-70.66	48.61	-60.31	-35.14
		123	820.12	149.10	-21.61	49.21	78.28	-84.11	76.09	-63.09	57.38	-44.38	-47.48
144	5	136	1118.93	212.71	-0.10	86.40	126.21	-104.53	-18.31	-167.58	-26.51	-159.39	33.99
		134	1237.00	234.79	0.03	93.71	141.12	-114.96	-20.67	-183.99	-32.32	-172.33	42.04
		129	680.44	227.20	-12.41	73.68	141.12	-114.96	50.77	-58.20	38.38	-45.81	-34.59
		123	726.73	205.02	-12.44	66.37	126.21	-104.53	63.14	-51.81	44.20	-32.87	-42.64
144	6	136	998.57	218.57	3.46	83.09	138.94	-103.86	-14.41	-143.41	-22.14	-135.68	30.61
		134	1062.99	191.54	3.41	74.18	120.76	-91.14	-18.61	-159.28	-28.96	-148.93	36.73
		129	604.71	186.15	-6.27	59.12	120.76	-91.14	47.54	-49.92	33.31	-35.69	-34.41
		123	674.86	213.23	-6.27	68.03	138.94	-103.86	60.05	-42.36	40.14	-22.45	-40.53
144	7	136	1007.33	190.72	3.35	78.15	115.92	-91.76	-15.79	-150.44	-23.53	-142.70	31.34
		134	1085.68	178.10	3.28	73.98	107.40	-85.80	-19.55	-166.24	-30.10	-155.69	37.90
		129	606.10	170.27	-9.70	53.17	107.40	-85.80	47.10	-53.09	34.01	-40.00	-33.77
		123	663.77	182.95	-9.69	57.35	115.92	-91.76	59.40	-45.82	40.58	-27.00	-40.32
144	8	136	859.13	8.39	-41.93	4.75	-38.29	13.03	-17.64	-143.63	-25.33	-135.94	30.16
		134	947.21	7.44	-51.15	1.41	-45.12	17.80	-12.70	-154.78	-24.11	-143.37	38.62
		129	461.89	-9.33	-53.97	-18.18	-45.12	17.80	29.01	-55.77	23.97	-50.73	-20.05
		123	463.47	-9.04	-44.10	-14.84	-38.29	13.03	33.35	-53.90	22.76	-43.30	-28.50
144	9	136	701.65	87.22	1.64	42.55	46.31	-42.75	-10.38	-111.95	-16.07	-106.25	23.37
		134	758.04	70.12	1.13	36.76	34.49	-34.48	-11.01	-123.76	-19.20	-115.58	29.25
		129	435.68	61.76	-9.10	18.18	34.49	-34.48	39.23	-37.76	28.41	-26.94	-26.76
		123	482.04	79.32	-9.05	23.97	46.31	-42.75	47.81	-33.90	31.53	-17.62	-32.64
144	10	136	725.90	20.81	-7.31	17.93	-4.43	-8.52	-15.16	-127.09	-21.92	-120.33	26.66

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		134	800.50	16.63	-10.25	15.59	-9.21	-5.18	-12.70	-137.74	-22.52	-127.92	33.64
		129	412.86	1.03	-11.83	-1.59	-9.21	-5.18	28.58	-47.94	22.93	-42.30	-20.00
		123	427.46	7.07	-10.75	0.75	-4.43	-8.52	34.11	-45.29	23.54	-34.72	-26.98
144	11	136	714.85	147.78	2.32	57.32	92.78	-70.54	-10.67	-104.24	-16.25	-98.67	22.14
		134	764.42	132.22	2.27	52.19	82.30	-63.20	-13.57	-115.56	-21.07	-108.06	26.62
		129	429.89	127.98	-5.15	40.54	82.30	-63.20	33.68	-36.34	23.91	-26.57	-24.27
		123	476.58	143.59	-5.14	45.67	92.78	-70.54	42.57	-31.02	28.73	-17.18	-28.75
145	1	137	813.18	656.65	18.35	255.38	419.61	-308.41	35.49	-8.02	-7.18	34.65	-5.98
		62	936.36	815.72	18.60	307.78	526.54	-383.26	33.55	-29.44	-29.42	33.54	1.11
		130	1545.48	767.84	-82.20	159.09	526.54	-383.26	167.05	91.26	94.55	163.76	-15.45
		127	1445.64	608.97	-82.67	106.69	419.61	-308.41	173.79	107.87	116.79	164.87	-22.55
145	2	137	766.40	655.93	17.98	260.30	413.61	-309.62	29.42	-24.58	-24.58	29.41	-0.48
		62	931.22	824.39	18.36	315.82	526.93	-388.95	30.60	-48.01	-46.83	29.43	9.55
		130	1615.63	773.03	-87.77	158.32	526.93	-388.95	183.83	93.97	95.56	182.24	-11.85
		127	1513.12	604.64	-88.23	102.80	413.61	-309.62	188.95	111.08	117.81	182.22	-21.88
145	3	137	746.50	597.91	16.87	238.99	375.79	-282.35	12.91	-54.00	-53.11	12.02	7.66
		62	1070.31	753.95	17.25	290.43	480.78	-355.84	22.39	-76.94	-70.30	15.75	24.81
		130	1640.36	705.70	-82.18	142.74	480.78	-355.84	205.98	98.04	98.47	205.55	-6.80
		127	1559.76	549.71	-82.61	91.30	375.79	-282.35	208.03	109.45	115.66	201.82	-23.95
145	4	137	401.89	393.25	2.40	156.32	239.33	-190.97	5.74	-5.56	-5.52	5.71	0.62
		62	624.39	490.87	2.76	188.54	305.09	-236.99	12.56	-23.40	-16.42	5.58	14.22
		130	1281.22	469.77	-35.98	128.70	305.09	-236.99	167.72	97.20	107.54	157.39	-24.94
		127	1277.93	371.80	-35.98	96.49	239.33	-190.97	181.19	94.76	118.43	157.51	-38.54
145	5	137	556.44	495.37	9.20	180.62	323.94	-232.28	9.71	-10.40	-9.47	8.78	-4.22
		62	644.91	578.00	9.25	207.81	379.43	-271.12	12.65	-23.21	-21.14	10.58	8.37
		130	1297.83	557.01	-34.50	143.08	379.43	-271.12	156.37	92.88	99.35	149.90	-19.21
		127	1292.53	474.43	-34.59	115.89	323.94	-232.28	166.37	92.74	111.01	148.10	-31.80
145	6	137	581.13	491.74	11.11	173.56	329.29	-227.35	13.73	-12.01	-10.55	12.27	-5.96
		62	607.45	567.87	11.12	198.60	380.38	-263.12	15.79	-23.48	-22.49	14.81	6.15
		130	1269.60	548.12	-32.36	135.38	380.38	-263.12	153.21	91.08	95.91	148.38	-16.64
		127	1261.54	472.15	-32.52	110.34	329.29	-227.35	161.30	92.39	107.85	145.84	-28.74
145	7	137	530.67	457.37	11.03	164.32	304.08	-211.95	11.12	-11.03	-9.76	9.85	-5.15
		62	589.86	538.05	11.04	190.86	358.23	-249.86	13.38	-23.41	-22.09	12.05	6.86
		130	1237.09	517.44	-33.91	125.30	358.23	-249.86	152.13	91.99	97.14	146.98	-16.83
		127	1226.68	436.92	-34.08	98.76	304.08	-211.95	160.94	93.31	109.47	144.77	-28.84
145	8	137	604.70	473.39	13.51	190.41	296.50	-223.74	10.59	-45.03	-44.19	9.74	6.80
		62	862.40	599.47	13.85	231.98	381.34	-283.13	18.10	-63.32	-57.91	12.69	20.29
		130	1296.46	560.07	-67.16	111.57	381.34	-283.13	162.76	75.33	75.55	162.53	-4.43
		127	1228.46	434.02	-67.52	70.00	296.50	-223.74	163.89	84.97	89.28	159.59	-17.92
145	9	137	529.89	434.10	11.86	167.13	278.83	-203.60	21.08	-6.34	-5.76	20.50	-3.95
		62	600.11	535.41	12.00	200.49	346.92	-251.26	20.36	-20.04	-19.94	20.26	1.97
		130	1050.21	505.52	-51.11	107.49	346.92	-251.26	116.77	65.34	67.89	114.23	-11.15
		127	993.66	404.36	-51.39	74.13	278.83	-203.60	121.80	74.73	82.07	114.46	-17.08
145	10	137	473.51	401.44	11.08	158.02	254.49	-189.13	8.26	-31.61	-31.27	7.93	3.63
		62	686.66	501.07	11.28	190.85	321.49	-236.03	14.40	-46.67	-42.66	10.38	15.14
		130	1101.65	471.00	-51.10	98.41	321.49	-236.03	138.04	69.47	70.06	137.45	-6.34
		127	1055.25	371.44	-51.36	65.58	254.49	-189.13	140.40	76.04	81.44	134.99	-17.85
145	11	137	401.34	342.51	7.82	121.68	228.66	-158.57	9.00	-8.56	-7.63	8.06	-3.94
		62	431.26	397.73	7.83	139.84	265.72	-184.51	10.71	-16.94	-16.10	9.86	4.77
		130	897.84	383.46	-23.42	94.32	265.72	-184.51	109.13	65.19	68.64	105.69	-11.81
		127	891.73	328.36	-23.54	76.16	228.66	-158.57	115.00	66.00	77.11	103.89	-20.52
146	1	62	1380.70	894.58	-3.78	57.18	833.61	-225.94	147.72	10.25	96.89	61.08	66.36
		133	1710.37	505.67	-103.54	-103.52	505.65	3.64	252.41	-1.08	182.31	69.02	113.38
		477	1400.44	505.68	20.13	20.15	505.65	3.64	206.96	141.20	179.33	168.83	32.46
		130	1657.04	904.19	110.28	180.85	833.61	-225.94	163.92	90.87	93.90	160.89	-14.56
146	2	62	1514.78	912.08	-10.10	45.30	856.69	-219.13	163.87	-4.13	96.61	63.13	82.31
		133	1886.24	495.41	-134.66	-132.69	493.45	35.14	280.77	-16.18	192.19	72.40	135.86
		477	1529.87	496.00	9.93	12.48	493.45	35.14	233.29	143.84	191.53	185.61	44.63
		130	1734.63	922.30	124.85	190.47	856.69	-219.13	177.31	94.98	95.96	176.33	-8.92
146	3	62	1620.37	839.72	-17.01	29.85	792.87	-194.80	171.06	-33.00	86.97	51.10	100.45
		133	2166.06	438.96	-151.78	-146.27	433.45	56.79	320.50	-44.83	205.52	70.15	169.66
		477	1735.60	440.84	-3.04	4.35	433.45	56.79	280.46	145.37	213.63	212.20	67.54
		130	1741.69	849.58	123.75	180.46	792.87	-194.80	193.18	95.05	95.08	193.15	-1.67
146	4	62	1110.47	513.86	16.30	72.29	457.87	-157.23	106.00	-27.40	74.85	3.76	56.44
		133	1796.27	285.60	-17.86	-14.01	281.75	-33.95	254.53	-38.86	186.49	29.18	123.83
		477	1352.14	286.78	52.35	57.37	281.75	-33.95	230.98	147.31	202.81	175.48	39.54
		130	1303.57	523.04	78.50	143.67	457.87	-157.23	161.14	80.08	91.17	150.06	-27.85
146	5	62	1067.60	602.51	14.15	88.64	528.02	-195.65	95.58	-14.33	67.43	13.82	47.97
		133	1680.51	380.93	-9.33	8.05	363.54	-80.52	234.89	-21.30	170.72	42.87	111.00
		477	1344.65	383.90	45.06	65.42	363.54	-80.52	224.28	136.24	187.97	172.55	43.34
		130	1320.62	610.44	63.59	146.01	528.02	-195.65	149.48	78.69	84.68	143.49	-19.70
146	6	62	1002.75	594.18	10.43	82.60	522.00	-192.16	90.65	-8.28	63.69	18.69	44.05

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		133	1615.62	390.22	-11.01	8.48	370.73	-86.27	228.54	-13.00	165.42	50.12	106.12
		477	1343.29	392.96	35.95	58.18	370.73	-86.27	223.82	132.80	182.49	174.12	45.32
		130	1298.71	600.81	53.49	132.30	522.00	-192.16	146.93	76.52	80.76	142.69	-16.76
146	7	62	1004.47	568.10	8.07	69.78	506.38	-175.37	92.71	-11.08	65.23	16.40	45.80
		133	1608.25	361.39	-18.71	-7.00	349.68	-65.67	228.65	-16.79	165.49	46.37	107.30
		477	1326.05	363.32	33.58	47.22	349.68	-65.67	222.55	132.25	183.32	171.48	44.76
		130	1268.51	574.63	55.76	124.01	506.38	-175.37	145.96	78.60	83.05	141.50	-16.74
146	8	62	1294.20	670.41	-15.54	20.10	634.77	-152.24	137.74	-26.95	68.42	42.37	81.31
		133	1705.26	348.07	-129.12	-123.26	342.20	52.56	253.07	-36.34	160.71	56.02	134.91
		477	1366.89	350.10	-7.76	0.13	342.20	52.56	219.46	112.60	165.99	166.07	53.43
		130	1380.73	678.12	100.14	143.49	634.77	-152.24	152.42	73.70	73.70	152.42	-0.17
146	9	62	927.62	583.74	-0.59	42.02	541.13	-151.92	97.02	3.67	64.31	36.38	44.53
		133	1205.70	333.58	-59.85	-59.74	333.47	-6.56	176.91	-3.75	127.69	45.47	80.44
		477	986.44	333.61	17.92	18.05	333.47	-6.56	150.57	99.21	128.90	120.89	25.37
		130	1117.61	590.20	70.74	119.81	541.13	-151.92	114.08	63.24	65.52	111.79	-10.54
146	10	62	1059.82	552.95	-7.62	26.83	518.50	-134.62	109.81	-20.17	58.80	30.83	63.47
		133	1460.10	294.75	-84.88	-83.49	293.36	22.97	214.62	-27.94	140.58	46.10	111.70
		477	1170.60	295.21	7.43	9.27	293.36	22.97	191.35	101.59	147.96	144.98	44.86
		130	1162.13	559.68	78.41	119.59	518.50	-134.62	129.89	66.00	66.18	129.71	-3.38
146	11	62	717.80	417.13	7.03	56.14	368.02	-133.16	65.48	-6.79	45.87	12.83	32.14
		133	1154.35	270.43	-9.43	2.49	258.51	-56.50	163.66	-10.39	118.30	34.97	76.40
		477	955.89	272.21	25.48	39.18	258.51	-56.50	159.93	94.56	130.66	123.83	32.51
		130	918.79	421.90	38.95	92.83	368.02	-133.16	104.66	55.25	58.22	101.68	-11.76
147	1	141	963.98	243.46	-25.43	81.93	136.10	-131.69	145.86	91.40	103.14	134.12	-22.39
		145	1034.92	207.16	-25.66	69.92	111.59	-114.53	159.59	61.96	95.18	126.37	-46.26
		136	378.88	214.56	-15.80	87.17	111.59	-114.53	-24.76	-38.54	-25.43	-37.87	2.96
		65	578.19	250.62	-15.34	99.18	136.10	-131.69	3.77	-51.36	-17.47	-30.12	26.83
147	2	141	972.59	197.00	-34.45	54.71	107.84	-112.63	155.59	95.03	105.81	144.82	-23.17
		145	1025.57	146.67	-34.67	38.08	73.92	-88.88	168.46	64.77	96.42	136.81	-47.75
		136	299.15	161.64	-16.14	71.59	73.92	-88.88	-21.85	-30.44	-23.56	-28.73	3.43
		65	529.21	211.09	-15.03	88.21	107.84	-112.63	10.76	-45.65	-14.17	-20.72	28.01
147	3	141	1003.02	150.86	-41.02	32.98	76.86	-93.40	169.80	99.60	108.90	160.50	-23.80
		145	1044.86	94.84	-41.30	14.46	39.08	-66.95	180.83	66.13	95.80	151.16	-50.23
		136	227.58	116.41	-18.88	58.45	39.08	-66.95	-14.37	-23.73	-22.37	-15.73	3.30
		65	486.96	170.32	-16.48	76.97	76.86	-93.40	21.93	-37.59	-9.27	-6.40	29.73
147	4	141	1297.83	344.39	-60.78	73.53	210.08	-190.73	199.88	113.26	115.20	197.94	-12.81
		145	1393.97	345.80	-60.78	73.99	211.03	-191.40	206.33	92.56	112.70	186.19	-43.42
		136	668.60	373.20	-14.86	147.31	211.03	-191.40	-39.17	-72.03	-69.70	-41.50	8.44
		65	884.15	371.80	-14.87	146.85	210.08	-190.73	-5.17	-91.78	-67.20	-29.76	39.05
147	5	141	1111.04	323.04	-34.63	91.65	196.76	-170.94	162.19	98.24	105.47	154.95	-20.26
		145	1204.81	318.22	-34.64	90.06	193.52	-168.67	173.34	73.99	100.99	146.34	-44.20
		136	445.32	331.27	-13.02	124.73	193.52	-168.67	-26.18	-32.60	-32.60	-26.18	-0.04
		65	620.94	336.07	-12.99	126.32	196.76	-170.94	1.63	-47.31	-28.12	-17.56	23.90
147	6	141	973.00	265.06	-9.72	98.07	157.27	-134.17	145.23	87.94	95.78	137.38	-19.69
		145	1066.33	265.17	-9.72	98.10	157.35	-134.22	155.43	58.14	85.74	127.82	-43.86
		136	378.67	263.38	-12.55	93.48	157.35	-134.22	-27.58	-29.34	-29.33	-27.58	-0.10
		65	539.85	263.27	-12.55	93.44	157.27	-134.17	5.41	-42.73	-19.29	-18.02	24.06
147	7	141	989.06	279.33	-16.50	93.92	168.91	-143.08	145.98	87.74	94.83	138.89	-19.05
		145	1064.39	262.99	-16.53	88.53	157.92	-135.39	155.96	61.46	87.17	130.25	-42.05
		136	377.37	266.99	-10.14	98.93	157.92	-135.39	-24.48	-29.21	-29.14	-24.55	0.58
		65	552.81	283.29	-10.07	104.31	168.91	-143.08	5.06	-42.44	-21.47	-15.91	23.59
147	8	141	771.08	106.54	-32.98	21.46	52.11	-68.06	132.06	77.22	84.68	124.60	-18.79
		145	801.06	60.68	-33.26	6.28	21.14	-46.38	140.66	50.97	74.21	117.42	-39.30
		136	163.56	79.00	-16.03	41.82	21.14	-46.38	-10.24	-17.53	-16.39	-11.38	2.65
		65	368.72	122.65	-13.55	57.00	52.11	-68.06	18.11	-28.24	-5.92	-4.20	23.16
147	9	141	689.93	177.41	-17.42	58.80	101.19	-95.09	104.06	64.91	72.26	96.71	-15.29
		145	740.44	154.14	-17.54	51.11	85.49	-84.10	113.26	44.35	66.61	91.01	-32.22
		136	268.42	159.36	-10.25	63.62	85.49	-84.10	-18.37	-25.37	-18.91	-24.84	1.86
		65	407.92	182.50	-10.00	71.31	101.19	-95.09	2.83	-35.21	-13.25	-19.14	18.79
147	10	141	712.21	126.00	-26.11	31.61	68.28	-73.81	117.51	69.32	75.47	111.36	-16.08
		145	746.52	91.75	-26.24	20.30	45.21	-57.66	125.15	46.58	66.95	104.78	-34.43
		136	183.80	104.11	-11.24	47.67	45.21	-57.66	-11.77	-17.98	-17.21	-12.54	2.05
		65	356.51	137.59	-10.33	58.97	68.28	-73.81	13.12	-27.77	-8.69	-5.96	20.40
147	11	141	695.51	189.43	-8.71	67.77	112.95	-96.46	103.85	62.84	68.18	98.52	-13.79
		145	758.38	186.41	-8.72	66.77	110.91	-95.04	111.03	42.15	61.36	91.82	-30.89
		136	268.97	186.54	-8.50	67.13	110.91	-95.04	-19.11	-21.09	-21.07	-19.12	0.16
		65	387.20	189.57	-8.49	68.13	112.95	-96.46	3.94	-30.62	-14.26	-12.42	17.25
148	1	146	888.59	511.05	-30.42	157.61	323.02	-257.79	32.33	-93.93	27.88	-89.48	-23.29
		150	835.32	385.83	-30.48	116.41	238.94	-198.94	31.64	-95.24	21.19	-84.80	-34.88
		137	1342.57	409.85	7.38	178.29	238.94	-198.94	-23.03	-185.98	-27.06	-181.94	25.31
		135	1547.34	534.19	8.32	219.49	323.02	-257.79	-12.55	-194.45	-20.38	-186.62	36.90
148	2	146	863.20	481.71	-34.90	146.43	300.38	-246.57	35.00	-95.00	29.20	-89.20	-26.83

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		150	861.27	340.54	-35.00	99.97	205.56	-180.19	37.47	-95.46	24.10	-82.09	-39.98
		137	1447.00	369.53	7.54	171.50	205.56	-180.19	-32.62	-212.07	-39.53	-205.16	34.53
		135	1685.48	509.16	9.19	217.96	300.38	-246.57	-22.45	-224.26	-34.43	-212.28	47.69
148	3	146	875.27	431.43	-34.67	130.44	266.32	-222.93	40.46	-93.51	32.07	-85.12	-32.45
		150	891.55	288.70	-34.82	83.45	170.42	-155.80	49.13	-91.53	31.07	-73.47	-47.06
		137	1604.42	317.49	5.37	152.43	170.42	-155.80	-43.82	-247.83	-56.30	-235.34	48.90
		135	1872.02	458.29	7.44	199.42	266.32	-222.93	-36.17	-266.13	-55.30	-247.00	63.51
148	4	146	747.24	256.68	-16.23	76.45	164.01	-129.24	22.79	-98.06	18.80	-94.07	-21.60
		150	703.31	222.04	-16.23	65.05	140.76	-112.96	19.92	-97.12	10.09	-87.29	-32.46
		137	1232.47	239.23	11.17	109.65	140.76	-112.96	-18.49	-185.39	-26.21	-177.68	35.05
		135	1367.47	273.54	11.51	121.04	164.01	-129.24	-5.71	-196.25	-17.50	-184.46	45.91
148	5	146	755.20	431.89	-12.98	136.93	281.99	-210.28	31.67	-79.55	24.30	-72.17	-27.68
		150	780.24	380.59	-12.98	120.06	247.55	-186.17	33.48	-78.54	19.52	-64.58	-37.00
		137	1228.07	390.66	5.34	148.45	247.55	-186.17	-16.07	-160.80	-21.27	-155.60	26.94
		135	1369.76	441.87	5.43	165.32	281.99	-210.28	-8.01	-171.67	-16.49	-163.19	36.26
148	6	146	740.83	468.35	-10.00	150.69	307.66	-225.93	29.09	-74.07	22.33	-67.30	-25.53
		150	762.34	414.31	-10.00	132.92	271.39	-200.54	31.07	-73.01	18.37	-60.31	-34.06
		137	1194.27	420.48	1.65	150.74	271.39	-200.54	-15.84	-149.58	-20.46	-144.97	24.42
		135	1330.65	474.49	1.69	168.52	307.66	-225.93	-8.91	-159.54	-16.50	-151.96	32.95
148	7	146	716.75	421.18	-10.90	134.68	275.60	-204.22	30.06	-74.79	23.40	-68.14	-25.57
		150	739.99	369.10	-10.90	117.55	240.65	-179.76	31.64	-74.11	18.82	-61.29	-34.52
		137	1169.20	376.44	2.69	138.47	240.65	-179.76	-15.66	-152.17	-20.42	-147.41	25.04
		135	1305.53	428.46	2.75	155.60	275.60	-204.22	-7.93	-162.15	-15.83	-154.25	34.00
148	8	146	687.07	335.86	-28.53	101.08	206.25	-174.45	31.92	-73.20	25.31	-66.59	-25.51
		150	699.19	218.67	-28.67	62.50	127.50	-119.32	39.16	-71.61	24.83	-57.28	-37.18
		137	1268.22	242.72	3.93	119.16	127.50	-119.32	-35.88	-197.70	-46.07	-187.51	39.31
		135	1484.62	358.12	5.87	157.75	206.25	-174.45	-30.00	-212.40	-45.58	-196.82	50.98
148	9	146	600.68	345.82	-18.76	107.24	219.82	-173.38	22.64	-64.06	19.21	-60.62	-16.91
		150	577.44	267.92	-18.79	81.61	167.52	-136.77	22.52	-64.65	14.79	-56.92	-24.79
		137	929.48	282.47	4.80	119.76	167.52	-136.77	-15.40	-127.89	-18.44	-124.85	18.24
		135	1065.14	359.93	5.27	145.39	219.82	-173.38	-8.34	-134.23	-14.02	-128.56	26.12
148	10	146	596.56	301.58	-21.11	92.15	188.32	-154.01	27.20	-63.87	21.54	-58.21	-21.99
		150	608.83	213.93	-21.18	63.30	129.45	-112.80	32.28	-62.64	20.28	-50.63	-31.55
		137	1074.67	230.86	3.97	105.39	129.45	-112.80	-26.98	-162.22	-34.68	-154.52	31.35
		135	1244.90	317.65	4.91	134.24	188.32	-154.01	-21.52	-174.00	-33.42	-162.10	40.90
148	11	146	521.52	322.10	-7.42	103.40	211.28	-155.68	20.89	-53.07	16.13	-48.31	-18.15
		150	537.12	283.75	-7.42	90.78	185.54	-137.66	22.25	-52.35	13.22	-43.32	-24.33
		137	847.18	288.50	1.49	104.45	185.54	-137.66	-11.38	-107.69	-14.77	-104.31	17.74
		135	944.78	326.83	1.52	117.07	211.28	-155.68	-6.31	-114.85	-11.86	-109.30	23.92
149	1	481	1235.30	248.64	20.60	95.68	173.56	-107.16	228.37	120.15	191.56	156.95	51.26
		141	893.19	250.63	20.60	96.34	174.89	-108.10	130.42	71.89	82.53	119.78	-22.58
		65	863.26	247.75	14.50	87.36	174.89	-108.10	62.04	-64.81	40.93	-43.70	47.24
		133	1721.72	245.76	14.50	86.70	173.56	-107.16	215.88	-72.45	149.96	-6.53	121.08
149	2	481	1263.32	189.93	26.62	61.56	154.99	-66.97	232.91	130.65	197.66	165.90	48.60
		141	927.05	211.64	26.95	68.81	169.77	-77.32	142.42	69.31	81.72	130.01	-27.45
		65	848.79	209.35	18.71	58.29	169.77	-77.32	68.96	-61.71	45.30	-38.05	50.32
		133	1750.59	187.79	18.24	51.04	154.99	-66.97	230.02	-70.93	161.24	-2.16	126.36
149	3	481	1326.94	137.70	26.09	36.06	127.73	-31.84	244.03	146.12	208.27	181.88	47.14
		141	989.09	174.02	28.78	48.89	153.90	-50.17	158.82	62.32	76.90	144.24	-34.57
		65	820.22	172.31	17.14	35.54	153.90	-50.17	75.60	-56.71	49.62	-30.73	52.56
		133	1825.85	136.63	13.81	22.71	127.73	-31.84	253.97	-66.06	181.00	6.91	134.27
149	4	481	1772.78	255.06	54.30	69.23	240.13	-52.68	323.79	143.06	238.98	227.87	90.19
		141	1246.06	388.76	63.55	116.24	336.07	-119.83	178.65	93.52	93.87	178.29	-5.46
		65	1231.05	381.34	18.87	64.14	336.07	-119.83	102.64	-77.26	47.35	-21.98	83.00
		133	2275.67	251.95	5.32	17.13	240.13	-52.68	306.78	-86.73	192.46	27.60	178.65
149	5	481	1398.76	321.74	28.09	106.30	243.53	-129.81	255.26	132.43	202.64	185.05	60.78
		141	1047.28	337.55	28.16	111.52	254.18	-137.27	146.36	76.87	82.36	140.87	-18.75
		65	899.18	334.45	19.44	99.70	254.18	-137.27	67.63	-51.34	42.45	-26.16	48.60
		133	1826.97	318.69	19.33	94.48	243.53	-129.81	237.52	-56.77	162.73	18.02	128.13
149	6	481	1265.54	322.03	-6.43	123.75	191.84	-160.66	235.25	120.62	186.12	169.75	56.73
		141	894.23	264.52	-6.78	104.72	153.01	-133.48	129.83	61.13	68.30	122.66	-21.00
		65	735.63	268.51	-1.26	114.24	153.01	-133.48	45.99	-52.71	29.49	-36.22	36.82
		133	1682.80	325.87	-0.76	133.27	191.84	-160.66	212.42	-54.24	147.32	10.87	114.55
149	7	481	1257.58	294.17	12.66	108.97	197.86	-133.55	231.89	120.46	184.81	167.55	55.04
		141	921.82	284.08	12.66	105.65	191.09	-128.81	131.27	64.20	70.60	124.87	-19.71
		65	784.38	282.40	9.37	100.68	191.09	-128.81	55.40	-49.65	35.07	-29.33	41.50
		133	1675.01	292.48	9.37	103.99	197.86	-133.55	215.97	-53.34	149.27	13.35	116.25
149	8	481	1020.96	97.37	18.71	23.20	92.87	-18.26	187.65	114.12	161.34	140.43	35.25
		141	764.40	126.24	21.75	33.70	114.29	-33.26	123.99	47.17	59.26	111.90	-27.97
		65	630.02	125.15	12.49	23.36	114.29	-33.26	58.94	-44.07	38.90	-24.04	40.77
		133	1410.85	96.84	8.89	12.86	92.87	-18.26	197.12	-51.65	140.98	4.50	103.99
149	9	481	886.21	180.51	14.52	68.34	126.69	-77.70	163.82	85.89	135.91	113.81	37.37

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		141	640.71	182.69	14.52	69.06	128.15	-78.73	93.21	50.64	57.26	86.59	-15.43
		65	606.16	180.63	10.07	62.56	128.15	-78.73	44.03	-43.82	28.72	-28.51	33.33
		133	1222.93	178.46	10.07	61.84	126.69	-77.70	154.87	-48.78	107.37	-1.29	86.12
149	10	481	937.53	116.95	19.49	35.22	101.22	-35.86	172.58	100.27	145.19	127.66	35.08
		141	694.55	138.98	20.20	42.70	116.49	-46.54	109.06	45.25	54.13	100.17	-22.09
		65	581.52	137.39	12.86	33.77	116.49	-46.54	51.61	-39.36	33.55	-21.30	36.28
		133	1279.98	115.62	11.89	26.29	101.22	-35.86	176.02	-45.23	124.61	6.18	93.45
149	11	481	902.75	221.02	-0.24	83.94	136.84	-107.42	167.74	86.06	132.88	120.92	40.40
		141	641.65	190.06	-0.35	73.72	115.99	-92.83	93.03	44.51	49.35	88.19	-14.55
		65	535.33	191.55	1.94	77.49	115.99	-92.83	35.12	-37.10	22.37	-24.35	27.54
		133	1201.45	222.47	2.08	87.71	136.84	-107.42	152.97	-38.69	105.90	8.38	82.49
150	1	145	1051.55	211.70	1.90	74.46	139.15	-99.79	157.74	43.31	78.09	122.96	-52.63
		151	1131.74	174.75	1.89	62.30	114.34	-82.42	172.99	30.16	72.36	130.79	-65.17
		134	259.87	172.33	-2.80	55.20	114.34	-82.42	24.71	3.44	14.87	13.28	10.60
		136	437.40	209.30	-2.80	67.35	139.15	-99.79	37.37	-11.33	20.60	5.45	23.14
150	2	145	1035.74	154.64	1.62	53.35	102.90	-72.38	165.64	46.84	79.68	132.80	-53.13
		151	1095.00	98.58	1.61	34.92	65.27	-46.04	181.02	34.38	74.53	140.88	-65.38
		134	200.03	97.02	-1.50	30.25	65.27	-46.04	30.85	9.29	16.75	23.40	10.25
		136	370.12	153.09	-1.50	48.69	102.90	-72.38	41.36	-4.14	21.90	15.31	22.51
150	3	145	1045.92	104.82	1.18	35.96	70.04	-48.94	176.86	50.72	80.84	146.73	-53.78
		151	1090.35	35.57	1.17	13.18	23.56	-16.40	192.26	38.89	76.09	155.06	-65.74
		134	231.00	34.30	-1.48	9.27	23.56	-16.40	42.29	14.74	18.77	38.25	9.74
		136	328.91	103.54	-1.45	32.04	70.04	-48.94	48.66	4.80	23.53	29.93	21.69
150	4	145	1465.95	361.93	1.02	112.25	250.70	-166.65	206.00	48.71	77.51	177.19	-60.83
		151	1548.41	287.27	0.98	87.69	200.56	-131.55	227.31	36.29	73.58	190.01	-75.72
		134	525.70	288.72	4.25	92.40	200.56	-131.55	46.68	-19.35	-4.78	32.10	-27.39
		136	739.24	363.40	4.27	116.97	250.70	-166.65	52.67	-34.23	-0.85	19.28	42.27
150	5	145	1240.81	325.97	-0.89	103.68	221.40	-152.46	171.42	44.73	76.56	139.59	-54.95
		151	1313.44	276.72	-0.90	87.48	188.34	-129.32	187.19	31.91	71.32	147.78	-67.57
		134	328.51	277.69	1.16	90.50	188.34	-129.32	31.86	6.93	11.62	27.17	9.74
		136	507.34	326.94	1.16	106.70	221.40	-152.46	40.30	-4.46	16.85	18.98	22.36
150	6	145	1084.38	264.66	-0.26	88.64	175.76	-125.09	154.19	41.98	71.05	125.12	-49.17
		151	1180.81	244.88	-0.26	82.13	162.48	-115.80	167.86	25.69	62.79	130.76	-62.43
		134	284.93	244.20	-1.62	80.10	162.48	-115.80	25.03	5.69	9.84	20.88	7.94
		136	447.72	263.98	-1.62	86.60	175.76	-125.09	37.92	-4.58	18.11	15.23	21.20
150	7	145	1087.19	265.68	-0.30	88.43	176.96	-125.41	154.44	41.57	69.74	126.26	-48.85
		151	1176.62	242.28	-0.30	80.73	161.25	-114.41	168.31	27.38	62.95	132.75	-61.21
		134	292.13	241.75	-1.38	79.11	161.25	-114.41	28.48	5.90	10.36	24.02	8.99
		136	446.59	265.14	-1.38	86.81	176.96	-125.41	38.71	-4.01	17.16	17.53	21.36
150	8	145	800.06	68.68	1.04	23.93	45.80	-32.00	137.41	39.59	62.99	114.01	-41.73
		151	831.14	12.53	1.01	5.45	8.09	-5.61	149.33	30.71	59.51	120.53	-50.86
		134	177.99	11.45	-1.28	2.08	8.09	-5.61	33.38	12.21	15.21	30.38	7.38
		136	245.95	67.58	-1.23	20.56	45.80	-32.00	37.99	4.57	18.70	23.86	16.51
150	9	145	753.53	157.40	1.01	54.43	103.97	-74.17	112.01	30.76	54.31	88.46	-36.86
		151	811.22	132.16	1.00	46.13	87.03	-62.31	122.71	21.24	50.08	93.86	-45.77
		134	188.20	130.80	-1.66	42.12	87.03	-62.31	18.08	3.05	9.80	11.33	7.48
		136	312.04	156.05	-1.66	50.42	103.97	-74.17	26.86	-6.90	14.03	5.93	16.38
150	10	145	750.63	98.03	0.59	33.04	65.58	-45.92	122.70	34.80	55.84	101.67	-37.50
		151	788.31	54.84	0.59	18.84	36.59	-25.63	133.46	26.03	52.15	107.34	-46.09
		134	165.20	54.11	-0.91	16.60	36.59	-25.63	28.22	8.96	11.97	25.21	7.00
		136	248.37	97.29	-0.91	30.81	65.58	-45.92	33.29	1.89	15.66	19.53	15.58
150	11	145	772.16	186.83	-0.20	62.31	124.31	-88.23	110.10	29.95	50.40	89.66	-34.94
		151	838.82	171.13	-0.20	57.15	113.77	-80.85	119.90	18.70	44.76	93.84	-44.25
		134	203.18	170.73	-1.00	55.95	113.77	-80.85	18.64	3.92	7.01	15.55	6.00
		136	318.56	186.43	-1.00	61.12	124.31	-88.23	27.33	-3.32	12.65	11.36	15.31
151	1	150	828.94	386.78	-89.32	151.98	145.48	-238.03	82.49	-30.60	81.85	-29.96	-8.48
		155	874.09	63.69	-125.78	33.74	-95.83	-69.12	68.53	-68.21	52.80	-52.48	-43.63
		62	1281.76	185.64	-112.80	168.67	-95.83	-69.12	-62.48	-210.58	-62.96	-210.10	-8.41
		137	1307.29	464.51	-32.12	286.91	145.48	-238.03	-29.39	-192.10	-33.91	-187.58	26.75
151	2	150	859.65	345.45	-103.41	140.52	101.51	-223.58	92.76	-21.95	91.85	-21.04	-10.16
		155	917.29	19.72	-170.51	11.34	-162.13	-39.03	85.25	-60.63	67.75	-43.12	-47.41
		62	1449.65	168.01	-166.74	163.40	-162.13	-39.03	-78.57	-235.44	-78.80	-235.21	-6.05
		137	1392.78	440.18	-46.09	292.58	101.51	-223.58	-48.78	-219.05	-54.70	-213.13	31.19
151	3	150	888.68	296.48	-103.56	123.86	69.06	-198.14	105.79	-9.71	103.82	-7.75	-14.94
		155	969.54	0.62	-188.47	-1.37	-186.49	-19.25	114.15	-42.62	95.83	-24.31	-50.36
		62	1599.87	144.78	-187.61	143.66	-186.49	-19.25	-97.10	-264.44	-97.10	-264.44	-0.07
		137	1523.91	390.87	-52.93	268.88	69.06	-198.14	-81.59	-255.40	-89.11	-247.89	35.35
151	4	150	628.27	217.54	-47.76	75.95	93.82	-132.35	66.38	-36.69	65.65	-35.96	-8.65
		155	698.40	48.46	-57.49	17.15	-26.19	-48.34	57.58	-60.99	45.30	-48.71	-36.13
		62	1093.61	129.44	-41.20	114.42	-26.19	-48.34	-52.69	-193.36	-53.45	-192.60	10.32
		137	1210.37	271.70	-4.65	173.23	93.82	-132.35	-23.94	-189.03	-33.11	-179.86	37.81
151	5	150	725.48	376.70	-39.10	133.97	203.63	-204.96	72.30	-21.21	69.75	-18.67	-15.22

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		155	774.74	199.82	-41.65	74.96	83.21	-120.67	73.15	-43.46	58.56	-28.87	-38.58
		62	994.04	235.40	-12.47	139.72	83.21	-120.67	-47.30	-171.21	-47.30	-171.21	0.50
		137	1191.01	406.16	-3.80	198.73	203.63	-204.96	-31.71	-165.42	-36.11	-161.01	23.86
151	6	150	710.46	410.50	-33.16	144.68	232.66	-217.42	67.88	-19.55	65.76	-17.43	-13.45
		155	751.84	238.95	-34.74	87.74	116.47	-136.09	69.70	-39.71	57.15	-27.17	-34.86
		62	973.34	262.66	-10.21	135.98	116.47	-136.09	-45.78	-161.30	-45.79	-161.28	-1.47
		137	1158.83	431.12	-5.54	192.92	232.66	-217.42	-33.80	-154.92	-37.18	-151.54	19.94
151	7	150	688.32	365.25	-35.85	129.38	200.03	-197.41	69.26	-19.60	67.19	-17.52	-13.42
		155	733.60	191.87	-38.14	71.61	82.13	-114.88	70.21	-40.66	57.25	-27.70	-35.62
		62	949.06	220.96	-12.94	125.89	82.13	-114.88	-45.82	-163.49	-45.83	-163.49	-0.87
		137	1133.16	389.43	-5.74	183.66	200.03	-197.41	-32.14	-157.06	-35.89	-153.30	21.33
151	8	150	701.34	226.26	-85.69	95.88	44.70	-153.86	84.14	-6.58	82.62	-5.06	-11.64
		155	767.29	-5.41	-163.42	-5.87	-162.96	-8.50	91.10	-32.95	76.52	-18.37	-39.95
		62	1287.49	112.81	-163.22	112.55	-162.96	-8.50	-78.73	-211.01	-78.73	-211.01	-0.19
		137	1204.08	305.18	-46.18	214.30	44.70	-153.86	-66.60	-203.74	-72.63	-197.70	28.13
151	9	150	565.58	267.52	-55.25	103.33	108.93	-161.36	56.81	-20.07	56.21	-19.47	-6.75
		155	595.31	57.42	-73.08	28.37	-44.04	-54.28	49.30	-44.26	38.59	-33.56	-29.78
		62	852.09	129.65	-61.00	112.68	-44.04	-54.28	-42.13	-143.19	-42.34	-142.98	-4.61
		137	903.74	314.38	-17.80	187.64	108.93	-161.36	-21.55	-132.06	-24.72	-128.89	18.43
151	10	150	598.68	216.70	-62.51	87.70	66.48	-139.20	69.80	-8.52	68.42	-7.14	-10.33
		155	648.92	15.31	-100.84	8.87	-94.41	-26.58	74.64	-30.05	62.50	-17.91	-33.52
		62	1026.72	102.38	-98.00	98.79	-94.41	-26.58	-61.31	-173.17	-61.31	-173.17	0.02
		137	1022.38	271.93	-27.83	177.62	66.48	-139.20	-50.57	-167.21	-55.38	-162.40	23.21
151	11	150	500.38	281.02	-24.38	99.27	157.37	-149.91	48.75	-13.99	47.27	-12.51	-9.51
		155	530.86	157.96	-25.68	58.37	73.91	-91.49	49.94	-28.43	41.01	-19.49	-24.91
		62	689.14	176.28	-7.85	94.52	73.91	-91.49	-32.79	-115.86	-32.80	-115.85	-0.75
		137	821.41	296.71	-3.92	135.42	157.37	-149.91	-24.01	-111.40	-26.54	-108.87	14.65
152	1	155	730.42	152.07	60.22	81.94	130.35	39.02	115.91	-6.70	115.07	-5.86	-10.11
		481	672.63	293.67	126.34	150.25	269.76	-58.56	93.51	50.73	92.60	51.63	-6.16
		133	1699.50	280.29	-55.90	-45.36	269.76	-58.56	199.26	-76.01	141.96	-18.71	111.76
		62	1819.49	136.44	-119.76	-113.67	130.35	39.02	205.66	-117.44	164.43	-76.20	107.81
152	2	155	805.29	153.74	-3.59	67.76	82.39	78.32	130.79	-0.37	129.60	0.82	-12.43
		481	765.80	238.31	133.86	140.77	231.39	-25.97	116.25	69.51	115.83	69.93	-4.41
		133	1847.48	233.62	-71.60	-69.38	231.39	-25.97	230.78	-80.33	162.50	-12.04	128.77
		62	1923.47	106.99	-166.98	-142.38	82.39	78.32	224.04	-128.92	176.27	-81.15	120.75
152	3	155	897.26	149.51	-43.07	53.41	53.03	96.29	152.19	12.12	150.61	13.69	-14.78
		481	901.30	188.22	119.59	119.63	188.18	1.69	145.84	95.71	145.66	95.89	-3.03
		133	2038.71	188.19	-84.22	-84.21	188.18	1.69	269.46	-84.76	188.17	-3.48	148.95
		62	2088.84	91.37	-188.77	-150.43	53.03	96.29	249.32	-141.86	193.13	-85.67	137.20
152	4	155	645.90	110.91	22.05	25.32	107.64	16.73	110.64	15.27	110.55	15.35	2.82
		481	541.35	243.28	56.86	80.30	219.84	-61.81	64.26	45.64	51.78	58.12	-8.75
		133	1573.94	238.35	13.39	31.90	219.84	-61.81	177.10	-90.13	114.93	-27.97	112.91
		62	1893.21	109.75	-25.19	-23.08	107.64	16.73	225.94	-122.97	173.70	-70.74	124.48
152	5	155	682.92	229.15	60.80	92.85	197.10	-66.09	111.01	18.53	110.55	18.98	-6.48
		481	693.32	336.64	62.48	128.75	270.37	-117.38	81.65	55.80	74.98	62.46	-11.31
		133	1497.45	319.76	-8.55	40.85	270.37	-117.38	168.81	-63.58	119.32	-14.09	95.15
		62	1726.50	217.64	-15.59	4.95	197.10	-66.09	194.53	-97.22	154.89	-57.57	99.98
152	6	155	667.83	266.72	58.25	104.94	220.03	-86.91	104.98	16.07	104.72	16.33	-4.86
		481	662.13	343.54	59.03	130.47	272.11	-123.37	75.39	52.85	71.26	56.99	-8.73
		133	1444.95	324.55	-18.17	34.27	272.11	-123.37	161.63	-58.21	115.08	-11.66	89.82
		62	1672.94	251.18	-22.41	8.75	220.03	-86.91	185.45	-89.23	148.54	-52.32	93.68
152	7	155	650.66	222.18	59.72	88.32	193.59	-61.87	106.00	15.45	105.67	15.78	-5.41
		481	646.39	314.96	61.61	119.45	257.12	-106.34	77.88	54.38	74.23	58.02	-8.50
		133	1441.13	298.17	-18.41	22.63	257.12	-106.34	164.72	-58.81	117.04	-11.14	91.56
		62	1650.77	211.03	-25.93	-8.50	193.59	-61.87	185.92	-90.82	148.48	-53.38	94.65
152	8	155	715.20	120.87	-49.99	39.38	31.50	85.34	120.41	8.97	119.05	10.33	-12.24
		481	719.09	142.50	91.49	93.02	140.97	8.71	117.44	76.41	117.33	76.52	-2.09
		133	1612.74	141.32	-73.39	-73.03	140.97	8.71	214.71	-67.04	149.85	-2.18	118.61
		62	1638.65	68.76	-163.94	-126.67	31.50	85.34	196.05	-112.85	151.56	-68.37	108.46
152	9	155	504.21	104.15	53.37	57.85	99.66	14.41	81.37	-1.32	80.88	-0.83	-6.37
		481	471.14	208.41	80.24	100.98	187.67	-47.20	64.44	37.29	63.67	38.06	-4.51
		133	1173.53	197.78	-32.64	-22.53	187.67	-47.20	137.62	-51.70	97.90	-11.98	77.09
		62	1270.87	100.91	-66.91	-65.66	99.66	14.41	144.13	-79.90	115.11	-50.88	75.23
152	10	155	596.09	96.16	2.55	42.00	56.71	46.23	101.50	9.15	100.62	10.03	-8.96
		481	592.80	145.42	80.90	83.97	142.35	-13.72	93.39	62.40	93.14	62.65	-2.78
		133	1361.27	143.36	-45.12	-44.11	142.35	-13.72	176.62	-56.56	123.57	-3.52	97.75
		62	1420.85	70.37	-99.74	-86.08	56.71	46.23	168.40	-93.48	131.06	-56.14	91.56
152	11	155	472.33	178.18	41.94	70.63	149.48	-55.55	75.31	11.31	75.12	11.50	-3.45
		481	466.89	236.30	42.67	89.99	188.98	-83.20	54.44	38.41	51.81	41.04	-5.94
		133	1032.49	223.32	-12.63	21.71	188.98	-83.20	116.72	-41.82	82.97	-8.07	64.90
		62	1190.45	168.10	-16.27	2.35	149.48	-55.55	132.91	-64.24	106.28	-37.61	67.39
153	1	53	1024.91	292.79	35.53	136.71	191.61	-125.67	-25.97	-152.78	-26.04	-152.71	2.97

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		156	1032.95	265.55	35.39	127.71	173.23	-112.80	-48.16	-160.58	-48.91	-159.82	9.20
		145	689.11	248.19	3.49	78.45	173.23	-112.80	80.58	-25.28	71.93	-16.62	-29.01
		141	837.57	275.56	3.50	87.45	191.61	-125.67	105.60	-20.31	94.81	-9.52	-35.24
153	2	53	1054.87	220.01	48.51	124.47	144.06	-85.19	-29.05	-167.83	-29.38	-167.50	6.78
		156	1061.12	191.19	48.03	114.83	124.39	-71.42	-47.21	-175.26	-48.91	-173.55	14.69
		145	633.87	166.86	4.30	46.77	124.39	-71.42	76.90	-35.20	70.38	-28.68	-26.24
		141	776.34	196.04	4.44	56.41	144.06	-85.19	99.47	-32.18	89.92	-22.63	-34.15
153	3	53	1097.80	174.21	57.64	121.81	110.03	-57.99	-29.51	-181.52	-30.54	-180.49	12.46
		156	1104.54	142.16	55.27	110.50	86.94	-41.82	-43.45	-189.46	-46.68	-186.23	21.49
		145	650.00	107.59	2.26	22.92	86.94	-41.82	72.25	-47.28	67.45	-42.48	-23.48
		141	741.98	141.40	2.86	34.24	110.03	-57.99	91.82	-44.96	83.59	-36.74	-32.51
153	4	53	1265.39	350.75	69.43	161.79	258.39	-132.11	-68.70	-189.53	-70.89	-187.35	16.10
		156	1310.43	296.47	69.43	143.93	221.96	-106.61	-114.57	-206.62	-119.20	-201.99	20.11
		145	682.07	276.56	13.79	68.39	221.96	-106.61	91.00	7.23	78.94	19.30	-29.41
		141	935.39	329.99	14.64	86.24	258.39	-132.11	137.99	23.20	127.25	33.94	-33.43
153	5	53	1165.92	367.95	39.07	148.52	258.49	-154.97	-41.07	-166.57	-41.64	-166.01	8.40
		156	1164.41	312.49	39.07	130.29	221.28	-128.92	-71.01	-177.19	-72.86	-175.34	13.88
		145	684.24	299.52	8.86	87.10	221.28	-128.92	81.30	-15.74	73.14	-7.58	-26.92
		141	881.42	354.78	9.06	105.34	258.49	-154.97	113.74	-7.62	104.36	1.75	-32.40
153	6	53	1032.71	355.13	14.70	133.95	235.88	-162.41	-30.66	-143.09	-31.02	-142.73	6.35
		156	1030.21	307.10	14.67	118.14	203.63	-139.83	-53.63	-151.85	-55.05	-150.43	11.74
		145	666.69	300.18	1.13	97.68	203.63	-139.83	72.61	-17.57	64.63	-9.59	-25.61
		141	828.40	348.24	1.13	113.48	235.88	-162.41	98.26	-11.48	88.67	-1.89	-31.00
153	7	53	1017.69	332.61	23.21	134.06	221.76	-148.36	-32.43	-144.48	-32.81	-144.10	6.53
		156	1028.84	300.60	23.18	123.53	200.25	-133.30	-55.00	-152.95	-56.56	-151.38	12.28
		145	646.10	289.89	2.03	91.67	200.25	-133.30	71.83	-16.87	64.35	-9.39	-24.65
		141	798.69	321.93	2.04	102.21	221.76	-148.36	97.38	-11.39	88.10	-2.11	-30.40
153	8	53	851.59	124.91	45.48	93.41	76.98	-38.86	-22.41	-142.33	-23.25	-141.49	10.00
		156	856.75	101.23	42.61	84.68	59.16	-26.39	-32.54	-148.42	-35.14	-145.83	17.15
		145	513.40	71.19	1.26	13.28	59.16	-26.39	55.57	-38.87	51.99	-35.29	-18.04
		141	576.36	97.09	1.90	22.01	76.98	-38.86	70.15	-37.23	63.87	-30.95	-25.19
153	9	53	726.57	210.98	24.18	96.03	139.13	-90.88	-19.50	-107.63	-19.59	-107.55	2.72
		156	732.54	190.75	24.10	89.35	125.49	-81.34	-35.21	-113.23	-35.88	-112.57	7.15
		145	479.60	179.28	2.50	56.29	125.49	-81.34	56.00	-16.73	50.10	-10.83	-19.86
		141	586.11	199.58	2.51	62.97	139.13	-90.88	73.80	-13.22	66.39	-5.81	-24.29
153	10	53	766.67	144.14	37.41	87.75	93.80	-53.28	-21.46	-123.61	-22.09	-122.98	8.00
		156	771.76	120.59	36.75	79.79	77.55	-41.90	-32.57	-129.31	-34.64	-127.24	13.98
		145	435.79	100.84	2.16	25.44	77.55	-41.90	51.29	-28.88	47.61	-25.19	-16.79
		141	526.55	124.85	2.36	33.41	93.80	-53.28	66.11	-26.89	60.16	-20.93	-22.77
153	11	53	731.16	245.66	12.56	94.50	163.72	-111.29	-22.09	-102.27	-22.35	-102.00	4.60
		156	731.31	213.88	12.54	84.04	142.38	-96.35	-38.23	-108.42	-39.29	-107.36	8.56
		145	467.36	208.14	1.21	66.97	142.38	-96.35	51.56	-12.45	46.04	-6.92	-17.97
		141	581.20	239.94	1.22	77.43	163.72	-111.29	69.72	-8.32	62.98	-1.57	-21.93
154	1	154	368.74	259.26	-3.01	78.34	177.91	-121.32	24.99	15.41	16.45	23.95	-2.98
		160	369.06	194.06	-3.04	56.89	134.13	-90.67	49.76	13.94	37.33	26.37	17.05
		150	1059.05	214.09	31.32	111.28	134.13	-90.67	164.32	57.20	87.39	134.13	-48.20
		146	1245.06	278.73	31.92	132.74	177.91	-121.32	174.73	23.50	66.51	131.71	-68.23
154	2	154	245.96	191.20	-3.88	54.55	132.76	-89.36	20.93	9.02	10.35	19.60	3.75
		160	403.51	122.47	-3.99	31.92	86.57	-57.02	54.00	-0.48	32.72	20.80	26.58
		150	1098.54	147.79	33.46	94.69	86.57	-57.02	184.36	62.83	94.80	152.39	-53.51
		146	1308.05	214.73	35.35	117.32	132.76	-89.36	197.71	25.91	72.42	151.20	-76.34
154	3	154	236.72	149.35	-2.67	40.75	105.94	-68.66	19.62	-4.40	3.16	12.05	11.16
		160	469.37	82.16	-2.93	18.57	60.67	-36.98	56.68	-18.95	26.43	11.30	37.05
		150	1192.87	108.33	31.98	79.65	60.67	-36.98	209.02	68.28	104.35	172.95	-61.44
		146	1429.22	172.58	35.19	101.83	105.94	-68.66	226.24	28.54	81.09	173.70	-87.34
154	4	154	436.82	171.39	3.73	55.62	119.50	-77.50	57.22	9.20	9.22	57.21	0.86
		160	395.81	164.40	3.73	53.32	114.82	-74.22	64.04	16.13	24.11	56.06	17.85
		150	1155.07	168.32	11.87	65.37	114.82	-74.22	187.61	54.70	76.60	165.71	-49.30
		146	1278.45	175.31	11.87	67.67	119.50	-77.50	198.89	29.68	61.71	166.86	-66.29
154	5	154	458.16	340.17	0.35	110.03	230.49	-158.88	36.72	10.35	10.83	36.25	3.50
		160	460.01	303.56	0.35	97.99	205.92	-141.68	50.94	9.46	25.98	34.42	20.30
		150	1194.80	309.91	12.90	116.88	205.92	-141.68	169.47	50.41	76.36	143.53	-49.15
		146	1355.55	346.50	12.91	128.92	230.49	-158.88	181.51	25.05	61.21	145.35	-65.95
154	6	154	498.34	397.43	0.71	129.37	268.77	-185.71	33.38	9.09	9.53	32.94	3.23
		160	487.41	348.75	0.71	113.36	236.10	-162.84	47.68	8.37	24.31	31.74	19.30
		150	1171.35	354.09	11.36	129.35	236.10	-162.84	157.26	47.80	71.48	133.58	-45.06
		146	1337.71	402.76	11.37	145.36	268.77	-185.71	168.28	23.20	56.69	134.79	-61.14
154	7	154	446.37	347.50	1.30	113.00	235.79	-161.85	31.84	9.10	9.49	31.45	2.95
		160	449.44	305.92	1.29	99.33	207.88	-142.31	46.50	7.82	24.11	30.20	19.10
		150	1132.53	311.11	11.69	114.92	207.88	-142.31	157.68	47.99	72.34	133.33	-45.59
		146	1291.64	352.68	11.70	128.60	235.79	-161.85	168.87	23.43	57.72	134.58	-61.73
154	8	154	178.13	102.34	-2.43	26.64	73.28	-46.91	14.39	-4.83	1.91	7.66	9.17

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		160	364.58	48.43	-2.78	8.79	36.86	-21.42	44.39	-16.77	20.49	7.14	29.84
		150	924.10	72.37	23.94	59.45	36.86	-21.42	164.58	54.01	82.68	135.91	-48.46
		146	1111.90	122.24	28.33	77.29	73.28	-46.91	178.29	22.25	64.11	136.43	-69.13
154	9	154	268.22	193.32	-1.47	59.50	132.35	-90.32	18.33	10.46	10.63	18.16	-1.12
		160	270.35	150.90	-1.48	45.55	103.87	-70.39	34.77	9.08	24.55	19.31	12.58
		150	761.39	162.66	19.59	78.38	103.87	-70.39	116.16	39.49	60.05	95.60	-33.96
		146	889.78	204.86	19.83	92.33	132.35	-90.32	123.73	16.86	46.13	94.45	-47.66
154	10	154	177.04	132.21	-1.23	38.62	92.36	-61.07	15.31	-0.51	3.24	11.55	6.73
		160	327.73	88.62	-1.30	24.26	63.06	-40.56	38.70	-9.27	18.49	10.94	23.69
		150	835.93	102.51	21.36	60.80	63.06	-40.56	141.03	45.61	69.47	117.16	-41.32
		146	992.46	145.44	22.09	75.16	92.36	-61.07	152.38	19.62	54.22	117.78	-58.28
154	11	154	341.20	270.08	0.59	87.85	182.82	-126.10	23.48	6.45	6.78	23.16	2.33
		160	338.27	236.85	0.59	76.92	160.52	-110.49	33.85	5.75	17.31	22.29	13.83
		150	824.62	240.69	8.25	88.42	160.52	-110.49	112.29	34.21	51.21	95.30	-32.22
		146	941.78	273.91	8.26	99.34	182.82	-126.10	120.20	16.64	40.67	96.16	-43.72
155	1	152	1289.01	333.12	10.45	178.27	165.30	-161.20	154.03	-51.55	120.62	-18.13	75.85
		53	1574.77	306.95	9.34	169.29	146.99	-148.39	188.78	-81.91	159.20	-52.33	84.46
		141	802.26	269.33	-32.99	89.35	146.99	-148.39	122.78	25.25	121.81	26.23	-9.68
		481	735.25	296.46	-32.83	98.33	165.30	-161.20	93.38	50.27	83.23	60.42	-18.29
155	2	152	1319.75	277.07	13.06	169.48	120.65	-129.72	155.96	-67.56	118.19	-29.79	83.76
		53	1675.93	241.47	9.93	156.74	94.66	-111.53	204.89	-97.76	170.16	-63.03	96.46
		141	746.91	186.98	-40.07	52.25	94.66	-111.53	122.92	21.27	122.61	21.59	-5.66
		481	627.66	225.50	-39.86	64.99	120.65	-129.72	82.72	42.74	70.63	54.83	-18.36
155	3	152	1347.43	245.99	11.22	176.36	80.85	-107.23	153.95	-85.92	112.52	-44.49	90.67
		53	1805.96	211.79	4.49	162.90	53.39	-88.00	223.55	-114.64	183.23	-74.32	109.60
		141	715.12	129.14	-48.85	26.90	53.39	-88.00	123.08	18.29	123.08	18.29	-0.19
		481	528.26	169.73	-48.52	40.36	80.85	-107.23	69.48	31.01	52.37	48.12	-19.12
155	4	152	1666.96	326.71	-6.07	167.38	153.25	-166.24	213.58	-53.72	149.68	10.18	114.01
		53	1876.24	357.11	-4.98	177.74	174.39	-181.03	216.93	-96.70	168.50	-48.27	113.33
		141	895.52	315.41	-58.02	83.00	174.39	-181.03	138.73	53.53	137.29	54.96	-10.96
		481	900.87	284.00	-58.11	72.64	153.25	-166.24	126.53	105.35	118.47	113.41	-10.28
155	5	152	1486.26	369.43	5.44	171.77	203.10	-181.32	177.14	-53.40	131.06	-7.32	92.19
		53	1755.11	374.04	5.52	173.31	206.25	-183.52	200.78	-88.16	163.67	-51.05	96.68
		141	841.88	345.77	-35.14	104.38	206.25	-183.52	124.72	30.37	123.85	31.24	-8.99
		481	794.21	341.09	-35.15	102.84	203.10	-181.32	98.84	67.37	91.24	74.97	-13.47
155	6	152	1313.25	371.04	14.23	172.73	212.53	-177.29	151.97	-47.24	114.16	-9.42	78.12
		53	1593.94	364.61	14.13	170.59	208.15	-174.23	184.04	-75.91	151.43	-43.31	86.09
		141	785.02	342.94	-17.07	117.72	208.15	-174.23	114.62	31.59	114.17	32.03	-6.05
		481	747.74	349.44	-17.05	119.86	212.53	-177.29	86.46	56.35	76.90	65.92	-14.02
155	7	152	1310.37	355.15	10.64	167.60	198.19	-171.57	152.64	-48.08	113.94	-9.38	79.19
		53	1572.68	340.79	10.38	162.80	188.37	-164.71	182.11	-77.30	149.41	-44.59	86.11
		141	760.52	316.50	-23.36	104.76	188.37	-164.71	112.56	29.72	112.03	30.26	-6.62
		481	726.91	331.08	-23.33	109.57	198.19	-171.57	85.64	56.38	76.55	65.47	-13.53
155	8	152	1036.47	184.57	7.20	137.52	54.25	-78.31	117.78	-69.05	85.95	-37.23	70.24
		53	1418.31	157.83	0.73	126.60	31.96	-62.70	174.61	-91.03	143.17	-59.59	85.81
		141	550.87	87.08	-39.38	15.73	31.96	-62.70	95.22	13.01	95.22	13.01	0.22
		481	393.87	119.97	-39.06	26.66	54.25	-78.31	52.10	21.28	38.00	35.37	-15.35
155	9	152	922.42	237.13	7.26	123.85	120.55	-114.92	109.98	-36.24	85.18	-11.43	54.88
		53	1122.01	219.86	6.63	117.96	108.53	-106.51	133.89	-57.72	112.20	-36.03	60.71
		141	561.87	195.16	-22.42	64.21	108.53	-106.51	86.00	18.74	85.42	19.32	-6.24
		481	517.81	212.98	-22.33	70.10	120.55	-114.92	65.24	37.08	58.40	43.92	-12.07
155	10	152	954.68	186.63	9.79	122.78	73.64	-84.94	109.96	-55.36	80.68	-26.08	63.11
		53	1250.35	163.96	6.98	114.40	56.53	-72.96	153.23	-75.93	125.55	-48.25	74.68
		141	508.51	117.23	-31.18	29.52	56.53	-72.96	86.14	14.90	86.12	14.91	-0.97
		481	401.96	142.56	-31.03	37.90	73.64	-84.94	51.88	26.46	41.26	37.08	-12.53
155	11	152	936.05	258.32	9.24	120.77	146.79	-123.86	108.88	-33.89	81.59	-6.59	56.14
		53	1132.79	252.05	9.14	118.68	142.52	-120.87	131.28	-54.41	107.89	-31.02	61.62
		141	552.53	236.09	-13.61	79.97	142.52	-120.87	81.48	22.25	81.18	22.55	-4.22
		481	525.39	242.44	-13.59	82.06	146.79	-123.86	61.40	40.45	54.88	46.97	-9.70
156	1	45	8098.64	243.53	-933.17	-808.59	118.95	-362.03	61.24	5.77	6.35	60.67	5.63
		48	8190.26	33.19	-954.62	-884.82	-36.61	-253.14	42.83	-17.74	-17.74	42.83	-0.03
		875	4552.21	149.29	-381.29	-195.38	-36.61	-253.14	21.75	-14.16	-11.32	18.91	-9.69
		874	4868.27	381.01	-381.21	-119.15	118.95	-362.03	37.41	12.10	12.76	36.75	-4.03
156	2	45	8019.26	236.74	-912.56	-790.59	114.77	-353.98	61.09	5.97	6.47	60.59	5.21
		48	8107.70	32.64	-933.28	-864.53	-36.12	-248.36	42.94	-17.41	-17.40	42.93	-0.43
		875	4535.76	146.91	-373.15	-190.13	-36.12	-248.36	21.87	-14.13	-11.13	18.87	-9.96
		874	4831.33	371.63	-373.05	-116.19	114.77	-353.98	37.29	11.99	12.75	36.53	-4.32
156	3	45	7980.90	235.68	-901.34	-780.96	115.30	-349.83	61.26	6.04	6.59	60.71	5.51
		48	8051.83	31.45	-922.19	-854.98	-35.77	-244.09	42.95	-17.33	-17.33	42.95	-0.11
		875	4479.86	143.38	-368.33	-189.18	-35.77	-244.09	21.81	-13.88	-10.98	18.91	-9.74
		874	4798.61	368.39	-368.25	-115.16	115.30	-349.83	37.37	12.24	12.94	36.67	-4.13
156	4	45	7979.28	235.79	-901.11	-780.53	115.20	-350.07	61.27	6.04	6.60	60.71	5.53

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		48	8049.42	31.48	-921.92	-854.56	-35.88	-244.31	42.95	-17.32	-17.32	42.95	-0.09
		875	4479.94	143.35	-368.91	-189.68	-35.88	-244.31	21.80	-13.87	-10.98	18.91	-9.73
		874	4798.63	368.39	-368.83	-115.64	115.20	-350.07	37.37	12.25	12.94	36.67	-4.12
156	5	45	8122.78	240.53	-937.40	-810.81	113.93	-364.82	60.44	5.83	6.11	60.16	3.88
		48	8250.36	34.01	-957.95	-885.48	-38.46	-258.14	42.96	-17.54	-17.49	42.90	-1.86
		875	4730.22	153.28	-385.99	-194.25	-38.46	-258.14	22.25	-15.08	-11.50	18.68	-10.98
		874	4960.62	380.22	-385.87	-119.57	113.93	-364.82	37.04	10.99	12.09	35.94	-5.24
156	6	45	8095.28	243.54	-932.54	-807.68	118.68	-362.30	61.22	5.78	6.35	60.65	5.59
		48	8185.11	32.81	-953.97	-884.03	-37.13	-253.23	42.82	-17.72	-17.72	42.82	-0.07
		875	4555.87	148.89	-381.85	-195.83	-37.13	-253.23	21.75	-14.18	-11.32	18.89	-9.73
		874	4871.06	380.97	-381.76	-119.48	118.68	-362.30	37.40	12.07	12.74	36.73	-4.06
156	7	45	7973.60	235.15	-899.74	-779.74	115.15	-348.98	61.31	6.04	6.62	60.73	5.60
		48	8043.23	31.67	-920.55	-853.50	-35.38	-243.61	42.95	-17.32	-17.32	42.95	-4.05e-03
		875	4466.77	143.38	-367.38	-188.62	-35.38	-243.61	21.78	-13.81	-10.96	18.93	-9.66
		874	4788.06	367.58	-367.30	-114.87	115.15	-348.98	37.38	12.30	12.98	36.71	-4.06
156	8	45	6273.65	182.73	-697.55	-604.46	89.64	-270.70	48.81	4.95	5.42	48.35	4.50
		48	6315.18	24.20	-713.77	-661.93	-27.64	-188.60	34.22	-13.56	-13.56	34.22	0.08
		875	3501.45	110.61	-284.93	-146.68	-27.64	-188.60	17.32	-10.76	-8.51	15.07	-7.63
		874	3763.54	285.30	-284.87	-89.21	89.64	-270.70	29.73	9.93	10.46	29.20	-3.20
156	9	45	5593.11	170.22	-653.39	-566.09	82.92	-253.53	41.71	3.82	4.18	41.35	3.70
		48	5668.02	23.31	-668.34	-619.31	-25.71	-177.49	29.19	-12.29	-12.29	29.19	-0.20
		875	3163.04	104.81	-267.08	-136.56	-25.71	-177.49	14.88	-9.92	-7.92	12.89	-6.75
		874	3370.85	266.60	-267.02	-83.33	82.92	-253.53	25.52	8.07	8.55	25.04	-2.85
156	10	45	5526.96	165.85	-635.70	-550.73	80.89	-246.75	41.72	3.96	4.32	41.37	3.63
		48	5590.69	22.34	-650.32	-602.73	-25.24	-172.46	29.26	-12.07	-12.06	29.26	-0.24
		875	3122.73	101.52	-259.88	-133.12	-25.24	-172.46	14.91	-9.76	-7.73	12.89	-6.77
		874	3331.81	259.59	-259.82	-81.11	80.89	-246.75	25.50	8.15	8.65	25.00	-2.90
156	11	45	5591.28	170.23	-653.04	-565.58	82.77	-253.68	41.70	3.82	4.18	41.34	3.68
		48	5665.19	23.10	-667.97	-618.87	-26.00	-177.54	29.18	-12.28	-12.28	29.18	-0.22
		875	3165.09	104.58	-267.39	-136.81	-26.00	-177.54	14.88	-9.93	-7.92	12.88	-6.76
		874	3372.45	266.58	-267.33	-83.51	82.77	-253.68	25.51	8.06	8.54	25.03	-2.87
157	1	156	1084.84	263.50	18.74	118.81	163.43	-120.33	-12.64	-156.27	-16.50	-152.40	23.24
		153	1166.38	258.15	18.71	117.03	159.82	-117.80	-11.55	-168.82	-18.00	-162.37	31.19
		151	705.38	241.52	-10.02	71.68	159.82	-117.80	48.24	-69.47	36.72	-57.95	-34.98
		145	757.19	246.90	-10.02	73.45	163.43	-120.33	55.95	-65.72	38.22	-47.98	-42.94
157	2	156	1103.30	186.48	20.23	98.16	108.55	-82.96	-14.50	-171.57	-19.09	-166.98	26.45
		153	1197.89	193.48	20.37	100.51	113.34	-86.32	-10.99	-183.82	-18.53	-176.28	35.31
		151	693.48	173.13	-11.26	48.53	113.34	-86.32	43.44	-80.80	34.50	-71.87	-32.09
		145	724.20	165.99	-11.26	46.18	108.55	-82.96	48.99	-77.60	33.95	-62.57	-40.96
157	3	156	1144.27	133.28	20.77	85.68	68.37	-55.59	-13.86	-186.38	-19.63	-180.61	31.01
		153	1247.53	145.97	21.52	90.10	77.39	-61.90	-9.17	-199.07	-17.96	-190.28	39.89
		151	725.37	119.95	-12.65	29.91	77.39	-61.90	38.19	-94.88	31.22	-87.91	-29.65
		145	728.07	106.51	-12.65	25.49	68.37	-55.59	41.91	-90.60	29.55	-78.24	-38.54
157	4	156	1369.57	286.53	15.07	122.33	179.27	-132.71	-40.91	-204.74	-58.38	-187.28	50.56
		153	1572.49	354.49	15.33	144.76	225.05	-164.76	-39.01	-226.65	-62.82	-202.84	62.46
		151	733.72	341.50	-8.07	108.37	225.05	-164.76	44.73	-55.26	27.03	-37.57	-38.16
		145	792.11	273.28	-8.08	85.94	179.27	-132.71	61.49	-52.02	31.48	-22.01	-50.06
157	5	156	1226.26	308.50	13.82	123.58	198.75	-142.46	-21.69	-172.95	-29.75	-164.89	33.98
		153	1341.09	318.35	13.84	126.82	205.37	-147.10	-18.71	-188.20	-30.86	-176.05	43.73
		151	706.29	307.91	-5.67	96.87	205.37	-147.10	45.05	-64.58	33.69	-53.22	-33.41
		145	770.72	298.03	-5.67	93.62	198.75	-142.46	54.16	-61.43	34.80	-42.06	-43.16
157	6	156	1088.49	308.12	12.88	120.97	200.02	-142.23	-16.21	-148.24	-21.72	-142.73	26.41
		153	1148.71	278.33	12.83	111.16	180.00	-128.21	-15.62	-161.30	-23.98	-152.95	33.87
		151	646.09	268.58	-5.59	82.99	180.00	-128.21	41.20	-60.80	30.38	-49.98	-31.41
		145	720.33	298.41	-5.59	92.80	200.02	-142.23	49.56	-56.68	32.64	-39.76	-38.88
157	7	156	1085.22	299.55	13.81	119.92	193.44	-138.06	-17.56	-149.49	-23.34	-143.71	27.00
		153	1158.41	282.63	13.78	114.35	182.06	-130.09	-16.05	-162.44	-24.89	-153.60	34.87
		151	639.77	272.07	-5.98	84.03	182.06	-130.09	40.00	-60.46	29.53	-49.99	-30.71
		145	707.90	289.02	-5.98	89.60	193.44	-138.06	47.98	-57.00	31.08	-40.10	-38.58
157	8	156	886.54	92.97	15.56	64.13	44.41	-37.43	-10.36	-146.08	-14.79	-141.65	24.11
		153	967.30	103.98	16.50	68.05	52.42	-43.04	-6.59	-155.82	-13.33	-149.08	31.00
		151	572.17	81.95	-10.30	19.23	52.42	-43.04	29.35	-75.61	24.18	-70.44	-22.70
		145	568.83	70.02	-10.30	15.31	44.41	-37.43	31.94	-72.24	22.72	-63.02	-29.59
157	9	156	769.56	189.29	12.58	83.48	118.39	-86.61	-9.76	-110.31	-12.78	-107.29	17.16
		153	827.52	184.86	12.56	82.01	115.40	-84.52	-8.81	-119.29	-13.75	-114.34	22.84
		151	490.51	174.01	-6.49	52.12	115.40	-84.52	32.96	-48.28	24.95	-40.28	-24.22
		145	528.60	178.46	-6.49	53.58	118.39	-86.61	38.40	-45.70	25.92	-33.22	-29.89
157	10	156	801.81	115.98	14.68	65.07	65.58	-50.65	-10.42	-127.06	-14.52	-122.96	21.47
		153	871.97	121.81	14.85	67.05	69.61	-53.47	-7.47	-136.11	-13.73	-129.85	27.67
		151	491.41	106.47	-7.95	28.91	69.61	-53.47	27.26	-62.29	21.89	-56.92	-21.25
		145	503.76	100.47	-7.95	26.94	65.58	-50.65	30.46	-59.39	21.10	-50.03	-27.45
157	11	156	771.90	214.11	9.29	84.68	138.72	-98.78	-11.72	-105.88	-15.68	-101.91	18.92

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		153	817.99	196.10	9.26	78.75	126.61	-90.31	-11.04	-115.14	-17.07	-109.11	24.32
		151	457.68	189.04	-4.03	58.40	126.61	-90.31	29.05	-43.47	21.43	-35.85	-22.23
		145	508.27	207.08	-4.03	64.33	138.72	-98.78	34.85	-40.68	22.82	-28.65	-27.64
158	1	199	7800.65	-309.24	-424.37	-409.87	-323.74	-38.19	79.11	18.06	18.30	78.87	3.85
		45	7018.11	226.47	-418.60	-231.80	39.67	-292.58	55.39	-10.84	-10.83	55.38	-0.76
		874	4930.05	487.31	-151.56	296.08	39.67	-292.58	26.66	-10.50	-1.69	17.85	-15.80
		258	4852.50	121.28	-327.02	118.00	-323.74	-38.19	47.57	21.22	27.45	41.34	-11.20
158	2	199	7728.75	-301.85	-413.42	-399.08	-316.19	-37.34	78.58	18.05	18.25	78.38	3.47
		45	6975.18	220.89	-408.00	-225.39	38.28	-285.47	55.23	-10.70	-10.68	55.21	-1.12
		874	4897.27	475.00	-148.33	288.39	38.28	-285.47	26.72	-10.57	-1.63	17.78	-15.92
		258	4803.53	117.91	-319.41	114.70	-316.19	-37.34	47.34	20.90	27.30	40.95	-11.33
158	3	199	7747.32	-299.23	-411.50	-397.76	-312.96	-36.79	78.92	18.11	18.34	78.69	3.68
		45	6973.04	218.73	-405.63	-225.50	38.60	-282.88	55.40	-10.71	-10.70	55.39	-0.86
		874	4865.40	471.77	-146.13	287.04	38.60	-282.88	26.68	-10.39	-1.54	17.83	-15.81
		258	4804.46	117.92	-316.10	114.78	-312.96	-36.79	47.49	21.14	27.50	41.13	-11.27
158	4	199	7749.99	-299.47	-411.59	-397.85	-313.21	-36.76	78.93	18.10	18.32	78.71	3.70
		45	6973.31	218.89	-405.74	-225.46	38.61	-283.03	55.40	-10.70	-10.69	55.39	-0.85
		874	4865.61	471.98	-146.23	287.14	38.61	-283.03	26.68	-10.40	-1.55	17.83	-15.80
		258	4806.82	117.88	-316.34	114.74	-313.21	-36.76	47.49	21.13	27.47	41.15	-11.26
158	5	199	7623.30	-310.72	-417.11	-401.78	-326.05	-37.36	77.08	18.05	18.14	76.99	2.32
		45	6998.41	227.80	-412.80	-223.27	38.27	-292.39	54.69	-10.75	-10.67	54.60	-2.37
		874	5008.83	483.66	-153.67	291.72	38.27	-292.39	26.87	-11.11	-1.72	17.48	-16.39
		258	4770.75	116.36	-329.20	113.20	-326.05	-37.36	46.80	20.16	27.09	39.86	-11.69
158	6	199	7797.62	-309.86	-424.31	-409.97	-324.20	-37.89	79.06	18.05	18.29	78.82	3.82
		45	7017.51	226.66	-418.52	-231.62	39.76	-292.66	55.37	-10.83	-10.83	55.36	-0.79
		874	4932.45	487.47	-151.55	296.16	39.76	-292.66	26.67	-10.51	-1.69	17.85	-15.82
		258	4853.11	121.04	-327.42	117.82	-324.20	-37.89	47.55	21.18	27.42	41.31	-11.20
158	7	199	7755.06	-298.27	-410.92	-397.14	-312.05	-36.91	79.03	18.10	18.33	78.79	3.77
		45	6970.06	218.09	-405.04	-225.40	38.45	-282.26	55.43	-10.70	-10.69	55.42	-0.77
		874	4856.40	470.80	-145.82	286.53	38.45	-282.26	26.67	-10.36	-1.54	17.85	-15.78
		258	4806.65	117.95	-315.22	114.78	-312.05	-36.91	47.53	21.18	27.48	41.22	-11.24
158	8	199	6149.42	-231.67	-319.78	-309.28	-242.17	-28.55	62.87	14.43	14.61	62.68	3.00
		45	5518.64	169.14	-315.02	-175.90	30.02	-219.09	44.13	-8.44	-8.43	44.12	-0.57
		874	3820.67	365.87	-112.90	222.94	30.02	-219.09	21.21	-8.14	-1.13	14.20	-12.51
		258	3801.51	92.01	-244.61	89.57	-242.17	-28.55	37.80	16.87	21.91	32.76	-8.95
158	9	199	5331.41	-216.47	-295.98	-285.72	-226.72	-26.65	53.87	12.31	12.47	53.72	2.54
		45	4815.33	158.70	-292.13	-161.08	27.65	-204.71	37.73	-7.47	-7.46	37.72	-0.65
		874	3408.62	340.55	-106.28	206.61	27.65	-204.71	18.22	-7.29	-1.23	12.16	-10.86
		258	3327.49	84.25	-229.01	81.97	-226.72	-26.65	32.43	14.41	18.69	28.15	-7.67
158	10	199	5301.78	-210.91	-288.83	-279.00	-220.74	-25.87	53.77	12.34	12.49	53.62	2.44
		45	4790.56	154.40	-284.93	-157.58	27.06	-199.33	37.74	-7.39	-7.38	37.73	-0.71
		874	3372.63	331.92	-103.27	201.59	27.06	-199.33	18.23	-7.23	-1.14	12.14	-10.86
		258	3300.61	82.38	-222.94	80.17	-220.74	-25.87	32.39	14.37	18.72	28.04	-7.71
158	11	199	5329.74	-216.81	-295.94	-285.78	-226.98	-26.48	53.85	12.31	12.46	53.69	2.52
		45	4815.04	158.81	-292.09	-160.98	27.70	-204.76	37.72	-7.46	-7.45	37.71	-0.67
		874	3409.96	340.64	-106.27	206.66	27.70	-204.76	18.22	-7.30	-1.23	12.15	-10.86
		258	3327.83	84.12	-229.23	81.87	-226.98	-26.48	32.42	14.40	18.68	28.13	-7.67
159	1	160	298.78	239.75	22.41	28.61	233.55	-36.18	-11.47	-22.91	-16.42	-17.96	-5.67
		50	505.13	400.92	41.24	87.81	354.36	-120.75	-4.59	-29.39	-20.11	-13.87	12.00
		155	1154.54	411.21	97.91	154.76	354.36	-120.75	153.63	89.43	103.41	139.65	-26.50
		150	1067.83	242.46	86.65	95.56	233.55	-36.18	167.73	74.92	107.09	135.56	-44.17
159	2	160	332.28	195.10	1.49	1.53	195.07	2.65	-29.78	-32.43	-30.88	-31.33	-1.30
		50	552.26	353.02	38.11	65.50	325.63	-88.74	-12.13	-52.06	-37.36	-26.83	19.26
		155	1200.59	361.62	106.81	142.80	325.63	-88.74	170.75	102.74	114.27	159.21	-25.53
		150	1108.99	195.13	78.76	78.82	195.07	2.65	186.85	88.61	120.76	154.71	-46.09
159	3	160	421.99	171.09	-18.88	-16.29	168.49	22.05	-50.93	-52.94	-51.54	-52.33	0.92
		50	632.22	303.93	27.90	42.78	289.05	-62.34	-22.52	-79.29	-57.36	-44.45	27.64
		155	1273.93	310.08	104.25	125.28	289.05	-62.34	192.75	121.58	130.40	183.93	-23.45
		150	1196.66	173.05	61.66	66.21	168.49	22.05	210.10	102.16	136.21	176.05	-50.16
159	4	160	345.87	189.75	19.95	30.12	179.58	-40.29	9.83	-28.55	-28.21	9.49	-3.55
		50	433.90	320.04	29.99	76.27	273.76	-106.22	27.16	-28.28	-19.45	18.33	20.28
		155	1233.76	322.81	43.72	92.77	273.76	-106.22	183.28	90.86	98.05	176.10	-24.74
		150	1174.77	190.84	35.36	46.62	179.58	-40.29	190.56	65.98	89.28	167.26	-48.58
159	5	160	339.20	313.77	27.05	82.65	258.17	-113.36	-11.45	-29.39	-28.56	-12.28	-3.77
		50	563.54	407.15	28.76	113.92	321.98	-158.03	8.18	-34.01	-21.92	-3.91	19.08
		155	1196.01	412.77	46.91	137.70	321.98	-158.03	161.44	88.38	97.05	152.77	-23.64
		150	1190.63	318.70	45.89	106.43	258.17	-113.36	171.16	63.64	90.41	144.39	-46.49
159	6	160	381.52	356.61	26.30	99.34	283.58	-137.07	-11.95	-30.58	-29.21	-13.31	-4.85
		50	574.18	428.73	27.18	123.34	332.57	-171.37	6.34	-32.89	-22.42	-4.13	17.35
		155	1155.90	433.94	42.87	144.23	332.57	-171.37	150.64	85.15	91.94	143.85	-19.96
		150	1165.02	361.46	42.34	120.23	283.58	-137.07	158.80	61.02	85.15	134.67	-42.16
159	7	160	344.69	315.86	26.94	83.30	259.49	-114.49	-12.90	-29.66	-28.39	-14.16	-4.43

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		50	544.44	399.08	28.47	111.18	316.37	-154.31	4.96	-33.44	-22.77	-5.71	17.20
		155	1129.68	403.95	44.47	132.05	316.37	-154.31	150.32	84.84	92.24	142.92	-20.72
		150	1126.33	320.18	43.49	104.18	259.49	-114.49	159.19	61.90	86.62	134.47	-42.35
159	8	160	336.68	128.95	-24.23	-19.52	124.24	26.46	-41.07	-43.79	-41.53	-43.32	1.02
		50	496.82	230.48	19.63	28.30	221.82	-41.85	-19.62	-64.57	-46.89	-37.29	21.95
		155	993.24	234.53	84.06	96.77	221.82	-41.85	151.34	96.17	103.10	144.42	-18.28
		150	929.34	132.61	40.59	48.96	124.24	26.46	165.39	81.45	108.46	138.39	-39.21
159	9	160	210.44	176.01	18.73	27.25	167.49	-35.60	-9.14	-16.64	-13.51	-12.27	-3.70
		50	360.58	280.90	27.95	64.77	244.07	-89.21	-1.78	-21.72	-14.79	-8.72	9.50
		155	815.72	287.73	61.76	105.41	244.07	-89.21	108.93	63.40	72.15	100.19	-17.93
		150	765.10	178.91	56.47	67.89	167.49	-35.60	118.25	51.81	73.42	96.64	-31.13
159	10	160	279.74	131.43	2.22	2.30	131.35	-3.25	-31.36	-33.03	-33.03	-31.36	-0.03
		50	431.24	225.17	22.38	39.76	207.79	-56.76	-11.77	-49.43	-35.49	-25.71	18.18
		155	880.57	230.56	66.27	89.04	207.79	-56.76	130.83	81.10	87.14	124.79	-16.24
		150	834.79	131.48	51.45	51.58	131.35	-3.25	141.86	66.88	89.60	119.14	-34.46
159	11	160	260.47	242.91	18.91	66.54	195.28	-91.65	-8.80	-21.51	-20.62	-9.69	-3.24
		50	401.67	296.81	19.67	84.52	231.97	-117.33	4.31	-23.70	-16.08	-3.31	12.47
		155	816.70	300.49	31.05	99.57	231.97	-117.33	107.43	60.86	65.77	102.52	-14.30
		150	820.11	246.28	30.59	81.59	195.28	-91.65	113.40	43.97	61.23	96.15	-30.01
160	1	42	6915.57	59.19	-596.40	-407.04	-130.17	297.13	56.81	-5.67	-0.67	51.81	-16.95
		169	6763.72	66.29	-557.90	-392.04	-99.57	275.71	57.68	-4.07	-0.99	52.61	-16.94
		255	5435.11	15.18	-762.06	-647.32	-99.57	275.71	35.72	-9.92	-2.95	28.75	-16.42
		873	5567.43	2.61	-795.09	-662.31	-130.17	297.13	34.79	-11.46	-4.61	27.94	-16.42
160	2	42	6747.32	65.73	-722.13	-528.80	-127.60	339.02	54.68	-5.84	-1.96	50.79	-14.83
		169	6720.84	64.49	-727.70	-531.04	-132.17	342.22	54.49	-3.93	0.02	50.53	-14.67
		255	5729.28	17.40	-915.23	-765.66	-132.17	342.22	33.82	-10.07	-3.93	27.69	-15.21
		873	5699.96	19.25	-910.27	-763.43	-127.60	339.02	33.88	-11.85	-5.91	27.95	-15.37
160	3	42	6736.02	54.29	-581.25	-401.29	-125.68	286.34	55.80	-5.36	-0.61	51.06	-16.36
		169	6558.73	62.44	-539.00	-384.71	-91.85	262.66	56.57	-3.70	1.14	51.73	-16.38
		255	5265.64	16.86	-726.48	-617.77	-91.85	262.66	35.34	-9.48	-2.80	28.65	-15.97
		873	5419.38	2.97	-763.00	-634.35	-125.68	286.34	34.49	-11.06	-4.55	27.98	-15.95
160	4	42	6752.05	54.65	-585.57	-405.33	-125.58	287.93	55.92	-5.35	-0.59	51.16	-16.41
		169	6606.48	61.51	-549.87	-391.33	-97.02	267.94	56.67	-3.76	1.10	51.81	-16.44
		255	5314.28	15.37	-735.81	-623.42	-97.02	267.94	35.35	-9.55	-2.82	28.62	-16.02
		873	5436.49	3.73	-766.73	-637.42	-125.58	287.93	34.53	-11.06	-4.51	27.97	-15.99
160	5	42	6774.18	56.84	-600.97	-418.01	-126.12	294.75	55.99	-5.35	-0.69	51.33	-16.26
		169	6644.58	62.72	-570.64	-406.11	-101.81	277.73	56.58	-3.86	0.91	51.80	-16.30
		255	5380.54	15.26	-760.68	-643.60	-101.81	277.73	35.14	-9.74	-3.00	28.40	-16.03
		873	5482.49	5.34	-786.97	-655.51	-126.12	294.75	34.48	-11.14	-4.59	27.93	-15.99
160	6	42	6927.75	59.47	-599.80	-410.07	-130.26	298.47	56.87	-5.69	-0.67	51.85	-16.99
		169	6783.50	66.31	-562.78	-395.64	-100.83	277.87	57.75	-4.10	0.98	52.66	-16.99
		255	5457.11	15.07	-767.02	-651.12	-100.83	277.87	35.76	-9.94	-2.95	28.77	-16.45
		873	5582.35	2.99	-798.80	-665.54	-130.26	298.47	34.83	-11.47	-4.60	27.96	-16.45
160	7	42	6766.05	55.65	-580.66	-399.34	-125.67	287.22	56.09	-5.27	-0.49	51.31	-16.45
		169	6621.11	62.47	-544.44	-385.19	-96.78	267.00	56.81	-3.81	1.08	51.92	-16.51
		255	5316.35	14.91	-735.03	-623.33	-96.78	267.00	35.33	-9.63	-2.83	28.53	-16.11
		873	5437.95	3.11	-766.26	-637.48	-125.67	287.22	34.53	-11.01	-4.41	27.93	-16.04
160	8	42	5289.47	42.14	-446.44	-306.62	-97.68	220.83	44.15	-3.98	-0.29	40.46	-12.81
		169	5144.52	48.77	-411.61	-292.99	-69.85	201.34	44.67	-2.83	0.97	40.87	-12.89
		255	4112.29	13.10	-558.60	-475.65	-69.85	201.34	27.89	-7.44	-2.15	22.60	-12.61
		873	4237.05	1.65	-588.62	-489.29	-97.68	220.83	27.30	-8.52	-3.41	22.20	-12.52
160	9	42	4772.67	40.97	-422.01	-290.34	-90.71	208.86	38.91	-4.12	-0.65	35.44	-11.72
		169	4671.92	45.68	-396.97	-280.55	-70.74	194.88	39.58	-2.86	0.62	36.10	-11.65
		255	3772.88	10.77	-536.67	-455.16	-70.74	194.88	24.55	-6.84	-2.08	19.80	-11.26
		873	3861.33	2.60	-558.25	-464.95	-90.71	208.86	23.85	-8.07	-3.35	19.14	-11.32
160	10	42	4672.59	38.26	-413.61	-287.14	-88.21	202.86	38.35	-3.95	-0.62	35.02	-11.40
		169	4557.89	43.56	-386.48	-276.48	-66.45	187.63	38.97	-2.66	0.70	35.61	-11.34
		255	3678.38	11.71	-516.91	-438.75	-66.45	187.63	24.34	-6.59	-2.00	19.74	-11.00
		873	3778.53	2.80	-540.42	-449.41	-88.21	202.86	23.69	-7.85	-3.32	19.16	-11.06
160	11	42	4779.52	41.12	-423.89	-292.02	-90.76	209.60	38.94	-4.14	-0.65	35.46	-11.74
		169	4682.99	45.69	-399.68	-282.55	-71.44	196.08	39.62	-2.88	0.61	36.13	-11.68
		255	3785.14	10.72	-539.43	-457.28	-71.44	196.08	24.58	-6.85	-2.08	19.81	-11.27
		873	3869.66	2.81	-560.31	-466.74	-90.76	209.60	23.87	-8.07	-3.35	19.14	-11.34
161	1	50	939.83	359.44	-95.89	44.18	219.37	-210.14	71.51	-36.59	55.23	-20.31	38.66
		152	1833.70	286.86	-95.94	20.29	170.63	-176.02	238.37	-37.87	176.46	24.03	115.19
		481	1332.55	316.28	-42.10	103.55	170.63	-176.02	244.45	134.30	205.03	173.72	52.80
		155	1064.80	388.51	-41.71	127.43	219.37	-210.14	139.49	73.69	83.80	129.37	-23.73
161	2	50	1045.25	299.82	-106.77	13.40	179.64	-185.53	81.55	-53.28	56.27	-28.00	52.62
		152	2063.59	216.85	-106.91	-13.93	123.87	-146.48	270.34	-56.74	191.04	22.56	140.17
		481	1541.72	254.39	-40.53	89.99	123.87	-146.48	285.36	142.65	230.47	197.54	69.43
		155	1063.32	336.61	-39.65	117.32	179.64	-185.53	152.73	89.95	95.70	146.98	-18.12
161	3	50	1148.28	244.30	-105.15	-7.58	146.72	-156.77	87.93	-75.37	54.37	-41.81	65.98

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		152	2355.31	166.36	-105.45	-33.30	94.22	-120.02	310.62	-78.95	210.79	20.87	170.07
		481	1833.29	204.39	-36.53	73.64	94.22	-120.02	341.28	153.76	264.51	230.53	92.21
		155	1087.98	281.59	-35.51	99.36	146.72	-156.77	170.12	105.81	108.09	167.85	-11.88
161	4	50	813.66	301.08	-50.50	28.24	222.34	-146.57	70.55	-27.57	45.06	-2.07	43.03
		152	1901.62	297.00	-50.56	26.88	219.56	-144.63	260.76	-30.83	185.49	44.43	127.60
		481	1419.74	304.69	-26.14	58.99	219.56	-144.63	259.00	155.17	205.89	208.27	51.90
		155	1199.99	308.81	-26.11	60.36	222.34	-146.57	171.80	55.42	65.46	161.77	-32.67
161	5	50	917.13	391.45	-45.96	82.74	262.75	-199.33	66.52	-37.33	45.69	-16.50	41.59
		152	1877.57	343.79	-46.04	67.04	230.71	-176.90	245.80	-39.37	176.89	29.54	122.07
		481	1345.63	355.43	-20.21	104.51	230.71	-176.90	247.07	137.22	200.43	183.87	54.30
		155	1127.78	403.17	-20.21	120.21	262.75	-199.33	146.68	60.37	69.23	137.83	-26.18
161	6	50	895.82	414.64	-42.39	93.79	278.46	-209.03	61.82	-34.36	42.65	-15.19	38.42
		152	1797.91	348.24	-42.47	71.93	233.84	-177.79	235.71	-34.44	169.91	31.36	115.96
		481	1299.25	359.51	-17.69	107.98	233.84	-177.79	239.03	127.94	191.11	175.86	55.02
		155	1090.47	426.00	-17.69	129.85	278.46	-209.03	136.30	56.85	63.85	129.31	-22.52
161	7	50	877.80	383.54	-44.64	78.04	260.87	-193.59	62.48	-35.10	42.97	-15.59	39.02
		152	1772.47	331.40	-44.76	60.84	225.79	-169.04	231.59	-36.18	166.10	29.30	115.09
		481	1282.64	342.42	-19.19	97.44	225.79	-169.04	236.70	127.31	189.90	174.10	54.12
		155	1059.54	394.69	-19.19	114.63	260.87	-193.59	136.15	59.83	66.77	129.21	-21.95
161	8	50	904.59	179.34	-85.74	-11.60	105.20	-118.98	69.29	-61.06	42.51	-34.28	52.67
		152	1855.16	116.95	-85.97	-32.19	63.17	-89.55	244.55	-64.00	165.31	15.24	134.80
		481	1450.48	149.05	-30.22	55.66	63.17	-89.55	269.98	120.12	208.80	181.30	73.66
		155	842.16	210.58	-29.13	76.25	105.20	-118.98	133.29	84.48	86.00	131.77	-8.47
161	9	50	659.03	255.73	-60.48	35.07	160.18	-145.20	49.85	-25.96	37.64	-13.76	27.86
		152	1298.27	207.75	-60.52	19.28	127.95	-122.64	169.23	-26.92	124.32	17.99	82.42
		481	944.43	225.60	-26.08	71.57	127.95	-122.64	173.66	94.77	144.23	124.20	38.15
		155	753.04	273.47	-25.93	87.36	160.18	-145.20	98.96	51.06	57.56	92.46	-16.40
161	10	50	774.96	191.80	-65.67	6.32	119.82	-115.55	59.03	-47.56	37.16	-25.70	43.04
		152	1588.09	140.85	-65.85	-10.50	85.50	-91.53	209.39	-49.77	143.39	16.23	112.91
		481	1222.42	163.02	-22.57	54.95	85.50	-91.53	227.52	105.52	177.28	155.76	60.04
		155	764.23	213.81	-22.23	71.77	119.82	-115.55	115.98	68.90	71.05	113.83	-9.82
161	11	50	634.79	286.42	-30.78	62.64	193.00	-144.58	44.52	-24.78	30.65	-10.91	27.73
		152	1278.51	241.88	-30.85	47.97	163.06	-123.63	167.78	-25.04	120.68	22.06	82.85
		481	925.26	249.94	-12.85	74.03	163.06	-123.63	170.72	91.17	136.50	125.39	39.39
		155	768.40	294.56	-12.85	88.70	193.00	-144.58	97.29	41.60	46.47	92.42	-15.73
162	1	162	923.49	312.75	-8.98	149.54	154.23	-160.85	129.48	81.73	88.28	122.93	-16.43
		163	1100.83	386.82	-7.27	174.46	205.08	-196.45	133.94	30.73	59.62	105.05	-46.33
		156	442.62	373.50	-24.07	144.34	205.08	-196.45	-13.45	-32.07	-24.59	-20.94	-9.13
		53	516.66	298.61	-24.97	119.42	154.23	-160.85	21.58	-20.57	4.07	-3.06	20.77
162	2	162	888.64	252.33	-22.37	131.78	98.18	-136.32	134.10	85.09	91.70	127.49	-16.75
		163	1084.19	342.92	-18.49	162.84	161.58	-180.70	138.34	29.69	59.52	108.51	-48.49
		156	400.13	329.32	-33.08	134.66	161.58	-180.70	-13.47	-30.12	-23.52	-20.07	-8.14
		53	489.78	237.23	-35.46	103.59	98.18	-136.32	27.88	-20.30	8.66	-1.09	23.59
162	3	162	889.89	229.55	-33.82	129.77	65.97	-127.76	137.50	84.08	95.07	126.52	-21.59
		163	1110.83	327.91	-27.28	164.26	136.37	-177.04	144.32	27.84	62.76	109.39	-53.37
		156	370.73	312.09	-42.00	133.72	136.37	-177.04	-16.75	-28.19	-20.06	-24.88	-5.19
		53	507.97	211.44	-46.24	99.23	65.97	-127.76	30.65	-26.16	12.25	-7.75	26.59
162	4	162	1066.99	283.86	-44.12	115.15	124.59	-163.92	174.34	78.55	78.82	174.07	-5.11
		163	1332.25	433.10	-41.46	165.11	226.53	-235.28	167.71	24.54	41.89	150.36	-46.72
		156	781.23	435.28	-38.66	170.08	226.53	-235.28	-36.52	-87.40	-85.97	-37.95	8.43
		53	880.42	286.30	-41.58	120.13	124.59	-163.92	21.34	-84.62	-49.03	-14.24	50.04
162	5	162	1059.44	316.74	-14.81	135.07	166.85	-165.01	156.62	92.04	97.59	151.07	-18.10
		163	1258.62	403.46	-13.70	163.96	225.80	-206.28	162.74	44.76	73.48	134.02	-50.63
		156	520.41	397.06	-22.65	148.62	225.80	-206.28	-30.33	-44.58	-43.50	-31.42	-3.78
		53	633.83	309.98	-23.39	119.73	166.85	-165.01	11.98	-45.73	-19.39	-14.36	28.75
162	6	162	1007.89	335.78	6.25	147.35	194.68	-163.06	141.12	80.01	87.50	133.63	-20.05
		163	1151.19	372.70	6.60	159.61	219.69	-180.57	146.93	35.21	63.62	118.52	-48.65
		156	405.35	361.15	-10.80	130.66	219.69	-180.57	-15.44	-32.63	-29.56	-18.51	-6.58
		53	546.02	324.00	-10.92	118.41	194.68	-163.06	17.51	-26.59	-5.68	-3.40	22.02
162	7	162	984.41	334.01	-1.38	143.63	188.99	-166.16	137.48	77.67	83.98	131.16	-18.38
		163	1132.67	375.55	-0.96	157.43	217.15	-185.87	142.50	33.25	59.83	115.93	-46.87
		156	421.17	366.33	-14.43	134.74	217.15	-185.87	-16.88	-33.76	-31.69	-18.96	-5.55
		53	560.43	324.57	-14.64	120.94	188.99	-166.16	17.39	-28.65	-7.53	-3.73	22.94
162	8	162	679.03	172.21	-28.91	100.07	43.23	-96.46	105.48	64.52	73.52	96.48	-16.96
		163	854.51	251.23	-22.95	128.02	100.26	-136.39	110.78	20.41	47.99	83.20	-41.61
		156	283.62	238.26	-34.53	103.46	100.26	-136.39	-12.42	-21.82	-14.60	-19.65	-3.97
		53	389.74	157.18	-38.43	75.51	43.23	-96.46	24.70	-20.14	10.92	-6.37	20.69
162	9	162	663.51	221.63	-5.86	103.82	111.96	-113.67	93.61	58.06	62.60	89.07	-11.86
		163	785.55	270.48	-4.86	120.21	145.42	-137.09	96.85	22.77	42.91	76.71	-32.96
		156	305.82	261.86	-15.99	100.46	145.42	-137.09	-10.25	-22.73	-18.42	-14.55	-5.93
		53	370.94	212.54	-16.51	84.06	111.96	-113.67	14.80	-15.73	1.27	-2.19	15.17
162	10	162	643.72	174.33	-18.58	92.83	62.93	-95.29	97.93	59.50	66.37	91.06	-14.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		163	790.36	237.26	-15.47	114.55	107.24	-126.31	102.58	21.19	44.66	79.12	-36.87
		156	268.56	227.37	-25.57	94.56	107.24	-126.31	-12.56	-20.09	-15.90	-16.74	-3.74
		53	365.05	163.30	-27.53	72.84	62.93	-95.29	19.65	-18.64	5.81	-4.80	18.40
162	11	162	710.78	234.51	2.52	102.60	134.43	-114.90	100.09	57.09	62.17	95.01	-13.87
		163	813.88	262.69	2.80	111.96	153.53	-128.27	104.08	25.24	45.14	84.19	-34.25
		156	286.47	255.00	-8.61	92.86	153.53	-128.27	-11.17	-23.22	-21.18	-13.20	-4.52
		53	387.45	226.65	-8.72	83.50	134.43	-114.90	12.62	-19.15	-4.15	-2.38	15.86
163	1	39	9392.67	73.52	-1256.37	-1190.32	7.47	288.92	59.47	-9.18	-6.37	56.65	-13.61
		42	9375.97	100.40	-1224.93	-1171.14	46.61	261.52	53.01	-17.22	-12.67	48.46	-17.29
		873	7185.75	103.47	-1156.29	-1099.43	46.61	261.52	25.32	-27.78	-17.12	14.66	-21.27
		872	6960.59	77.27	-1188.41	-1118.61	7.47	288.92	30.36	-18.33	-10.82	22.85	-17.59
163	2	39	1.024e+04	88.17	-1447.67	-1376.48	16.99	322.90	59.31	-9.85	-7.74	57.20	-11.89
		42	1.017e+04	118.22	-1413.53	-1355.37	60.06	292.75	51.81	-17.90	-14.34	48.25	-15.36
		873	7970.15	121.07	-1344.75	-1283.74	60.06	292.75	24.27	-27.87	-18.37	14.78	-20.12
		872	7810.24	91.65	-1379.51	-1304.85	16.99	322.90	30.32	-18.36	-11.77	23.73	-16.65
163	3	39	9240.64	69.25	-1223.74	-1160.69	6.20	278.46	59.20	-8.41	-5.85	56.64	-12.92
		42	9215.74	95.55	-1193.24	-1142.02	44.32	251.78	52.48	-16.66	-12.38	48.20	-16.66
		873	6954.27	99.41	-1106.47	-1051.38	44.32	251.78	24.95	-27.10	-16.73	14.58	-20.79
		872	6725.12	73.98	-1137.84	-1070.06	6.20	278.46	30.21	-17.40	-10.20	23.02	-17.05
163	4	39	9260.37	70.23	-1229.61	-1165.92	6.54	280.60	59.22	-8.46	-5.87	56.63	-12.99
		42	9238.97	97.16	-1198.34	-1146.78	45.60	253.25	52.53	-16.69	-12.38	48.22	-16.73
		873	6994.56	100.82	-1116.06	-1060.85	45.60	253.25	24.99	-27.14	-16.75	14.59	-20.83
		872	6763.95	74.72	-1148.18	-1079.99	6.54	280.60	30.21	-17.45	-10.23	22.99	-17.09
163	5	39	9366.94	72.88	-1253.72	-1188.71	7.88	286.38	59.26	-8.66	-6.10	56.69	-12.95
		42	9342.33	100.16	-1222.03	-1169.32	47.45	258.68	52.53	-16.86	-12.60	48.27	-16.65
		873	7131.03	103.38	-1148.89	-1092.96	47.45	258.68	24.96	-27.26	-16.93	14.63	-20.80
		872	6907.79	76.84	-1181.32	-1112.35	7.88	286.38	30.24	-17.61	-10.43	23.05	-17.10
163	6	39	9409.83	73.89	-1261.35	-1194.88	7.42	290.41	59.49	-9.21	-6.38	56.66	-13.66
		42	9395.21	101.13	-1229.48	-1175.44	47.09	262.64	53.05	-17.25	-12.68	48.48	-17.34
		873	7213.99	104.09	-1163.15	-1106.15	47.09	262.64	25.36	-27.82	-17.13	14.66	-21.31
		872	6987.62	77.52	-1195.69	-1125.59	7.42	290.41	30.39	-18.37	-10.83	22.85	-17.63
163	7	39	9223.81	70.44	-1220.91	-1157.08	6.61	279.91	59.22	-8.42	-5.81	56.60	-13.04
		42	9203.92	97.08	-1189.84	-1138.11	45.34	252.80	52.59	-16.64	-12.30	48.25	-16.79
		873	6989.15	100.39	-1115.56	-1060.51	45.34	252.80	25.02	-27.11	-16.68	14.60	-20.85
		872	6756.87	74.50	-1147.38	-1079.49	6.61	279.91	30.20	-17.44	-10.19	22.96	-17.11
163	8	39	7211.55	53.31	-942.39	-893.64	4.56	214.87	46.95	-6.25	-4.28	44.98	-10.04
		42	7190.52	73.49	-918.93	-879.28	33.85	194.36	41.57	-12.89	-9.56	38.23	-13.06
		873	5400.59	76.46	-852.65	-810.03	33.85	194.36	19.72	-21.16	-13.00	11.56	-16.34
		872	5213.27	56.94	-876.77	-824.38	4.56	214.87	23.92	-13.34	-7.73	18.31	-13.32
163	9	39	6538.94	51.60	-886.14	-839.91	5.37	203.01	40.71	-6.64	-4.67	38.73	-9.46
		42	6527.51	70.67	-863.91	-826.33	33.09	183.61	36.31	-12.06	-8.91	33.16	-11.93
		873	5017.29	72.95	-812.67	-772.81	33.09	183.61	17.37	-19.29	-11.96	10.03	-14.67
		872	4868.49	54.39	-835.41	-786.40	5.37	203.01	20.82	-12.92	-7.71	15.61	-12.19
163	10	39	6454.01	49.23	-868.01	-823.45	4.67	197.20	40.56	-6.21	-4.38	38.72	-9.08
		42	6438.32	67.98	-846.31	-810.14	31.82	178.20	36.01	-11.75	-8.75	33.01	-11.58
		873	4888.41	70.69	-785.00	-746.12	31.82	178.20	17.16	-18.92	-11.74	9.99	-14.40
		872	4737.28	52.56	-807.32	-759.42	4.67	197.20	20.73	-12.40	-7.37	15.70	-11.89
163	11	39	6548.53	51.81	-888.90	-842.44	5.34	203.84	40.72	-6.66	-4.68	38.74	-9.48
		42	6538.23	71.08	-866.43	-828.71	33.36	184.23	36.33	-12.08	-8.92	33.17	-11.96
		873	5033.02	73.29	-816.49	-776.55	33.36	184.23	17.39	-19.32	-11.96	10.03	-14.69
		872	4883.56	54.53	-839.46	-790.28	5.34	203.84	20.83	-12.95	-7.72	15.61	-12.22
164	1	164	738.43	251.11	3.06	83.08	171.09	-115.95	52.83	-73.92	42.43	-63.52	-34.79
		175	836.33	361.66	3.06	119.44	245.29	-167.89	68.04	-60.95	55.60	-48.50	-38.09
		160	1279.78	353.22	-15.87	92.06	245.29	-167.89	-6.70	-166.24	-11.82	-161.13	28.11
		154	1255.23	242.91	-16.12	55.70	171.09	-115.95	-18.72	-182.41	-24.99	-176.14	31.41
164	2	164	763.58	180.88	2.87	60.11	123.64	-83.14	58.26	-79.65	47.36	-68.75	-37.21
		175	858.92	297.13	2.87	98.34	201.67	-137.76	76.73	-64.47	63.25	-50.98	-41.50
		160	1401.53	288.15	-17.78	68.71	201.67	-137.76	-11.94	-196.91	-20.08	-188.76	37.95
		154	1386.47	172.36	-18.25	30.48	123.64	-83.14	-26.08	-216.43	-35.97	-206.54	42.24
164	3	164	825.51	169.66	5.59	58.14	117.11	-76.55	66.39	-86.42	56.98	-77.02	-36.72
		175	924.72	277.99	5.60	93.77	189.82	-127.45	86.48	-71.82	73.09	-58.44	-44.04
		160	1615.98	266.83	-21.12	55.89	189.82	-127.45	-18.66	-237.65	-29.95	-226.36	48.44
		154	1625.44	159.27	-21.90	20.26	117.11	-76.55	-31.50	-259.50	-46.06	-244.94	55.76
164	4	164	631.45	230.07	6.13	77.80	158.40	-104.46	20.67	-78.42	18.28	-76.02	-15.22
		175	626.89	309.15	6.14	103.81	211.48	-141.62	26.45	-72.79	20.99	-67.33	-22.64
		160	1258.77	300.61	-13.53	75.61	211.48	-141.62	-25.58	-175.63	-34.74	-166.47	35.93
		154	1266.77	221.78	-13.78	49.60	158.40	-104.46	-24.94	-187.67	-37.45	-175.16	43.35
164	5	164	712.41	342.18	1.47	112.58	231.07	-159.72	40.51	-74.70	32.95	-67.14	-28.53
		175	794.33	396.02	1.47	130.29	267.20	-185.01	51.27	-66.53	39.76	-55.02	-34.97
		160	1340.69	391.64	-7.86	116.58	267.20	-185.01	-17.56	-175.34	-24.60	-168.30	32.58
		154	1376.93	337.83	-7.89	98.87	231.07	-159.72	-21.82	-190.02	-31.42	-180.41	39.03
164	6	164	747.30	394.25	0.81	129.59	265.48	-184.61	44.55	-65.82	34.92	-56.19	-31.15

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		175	834.04	435.69	0.81	143.21	293.29	-204.08	56.18	-57.91	42.33	-44.06	-37.25
		160	1298.76	431.90	-7.20	131.41	293.29	-204.08	-16.07	-162.15	-22.05	-156.17	28.94
		154	1343.56	390.47	-7.21	117.78	265.48	-184.61	-21.12	-176.64	-29.47	-168.30	35.04
164	7	164	705.53	355.58	1.76	117.33	240.01	-165.93	43.04	-65.12	34.35	-56.43	-29.40
		175	792.84	404.32	1.76	133.36	272.72	-188.83	54.29	-57.38	41.58	-44.67	-35.46
		160	1265.92	399.52	-8.48	118.32	272.72	-188.83	-15.74	-160.86	-21.87	-154.73	29.19
		154	1302.30	350.81	-8.50	102.29	240.01	-165.93	-20.59	-175.01	-29.10	-166.49	35.25
164	8	164	648.65	118.75	4.62	41.01	82.35	-53.19	52.97	-68.04	45.72	-60.80	-28.71
		175	725.38	206.79	4.62	69.97	141.45	-94.56	69.08	-56.37	58.76	-46.05	-34.47
		160	1272.40	197.76	-17.31	39.01	141.45	-94.56	-14.57	-188.71	-23.63	-179.66	38.66
		154	1277.41	110.52	-18.11	10.05	82.35	-53.19	-25.02	-206.06	-36.67	-194.41	44.42
164	9	164	517.94	190.28	1.98	62.92	129.34	-88.10	36.08	-51.39	28.89	-44.19	-24.04
		175	585.71	259.70	1.98	85.75	175.93	-120.71	46.36	-42.84	37.43	-33.91	-26.77
		160	906.26	254.21	-10.20	68.08	175.93	-120.71	-6.17	-117.72	-10.01	-113.88	20.34
		154	897.78	184.92	-10.32	45.26	129.34	-88.10	-13.73	-128.98	-18.56	-124.16	23.07
164	10	164	562.17	145.03	3.39	49.07	99.35	-66.21	43.59	-58.31	36.97	-51.69	-25.11
		175	632.00	213.22	3.39	71.49	145.11	-98.24	56.57	-48.85	47.15	-39.43	-30.08
		160	1093.08	206.14	-13.04	47.99	145.11	-98.24	-12.80	-157.40	-20.08	-150.12	31.63
		154	1103.77	138.26	-13.33	25.57	99.35	-66.21	-20.80	-171.85	-30.26	-162.38	36.60
164	11	164	523.30	269.81	0.73	88.76	181.78	-126.24	31.48	-46.89	24.71	-40.12	-22.02
		175	584.74	300.83	0.73	98.96	202.60	-140.82	39.78	-41.16	30.06	-31.44	-26.31
		160	917.20	297.94	-5.39	89.95	202.60	-140.82	-11.36	-115.46	-15.70	-111.13	20.80
		154	947.55	266.92	-5.40	79.75	181.78	-126.24	-15.03	-125.81	-21.04	-119.81	25.09
165	1	473	1216.38	282.57	-30.04	174.20	78.33	-148.77	225.01	120.96	187.87	158.09	49.85
		162	914.69	330.56	-25.21	191.57	113.78	-173.58	116.40	19.74	35.10	101.05	-35.33
		53	644.46	320.80	-31.77	175.25	113.78	-173.58	40.52	-44.65	34.01	-38.13	-22.64
		152	1671.49	272.10	-35.89	157.89	78.33	-148.77	239.49	-33.80	186.78	18.91	107.83
165	2	473	1245.71	219.02	-44.49	157.43	17.10	-111.52	232.39	127.09	196.37	163.12	49.96
		162	893.55	277.21	-33.53	180.17	63.51	-144.01	121.64	13.62	31.54	103.72	-40.19
		53	605.81	267.88	-37.96	166.40	63.51	-144.01	42.59	-49.08	35.83	-42.32	23.96
		152	1715.38	208.60	-47.84	143.66	17.10	-111.52	255.31	-37.58	200.66	17.07	114.10
165	3	473	1255.51	209.60	-65.19	163.78	-19.36	-102.43	231.78	129.11	202.40	158.49	46.40
		162	895.95	264.17	-49.79	186.79	27.59	-135.30	124.58	13.22	35.76	102.04	-44.74
		53	638.34	254.31	-53.15	173.57	27.59	-135.30	47.92	-58.21	40.19	-50.48	27.58
		152	1767.39	198.68	-67.48	150.56	-19.36	-102.43	261.91	-49.11	206.84	5.97	118.73
165	4	473	1607.61	284.60	-4.62	166.88	113.09	-142.09	295.75	118.15	204.74	209.17	88.77
		162	963.40	301.73	-3.40	172.91	125.41	-150.71	144.29	24.55	26.91	141.93	-16.66
		53	934.37	300.18	-4.54	170.23	125.41	-150.71	47.01	-80.52	6.77	-40.28	59.27
		152	2163.16	283.01	-5.72	164.20	113.09	-142.09	288.37	-76.81	184.60	26.96	164.70
165	5	473	1429.75	339.34	-11.17	175.53	152.64	-174.88	265.46	131.64	207.82	189.28	66.26
		162	982.63	327.48	-11.71	171.45	144.32	-169.05	137.63	43.78	52.65	128.77	-27.45
		53	791.31	323.37	-15.30	163.76	144.32	-169.05	45.49	-57.50	28.99	-41.01	37.77
		152	1923.43	335.28	-14.81	167.83	152.64	-174.88	256.97	-53.30	184.17	19.51	131.48
165	6	473	1248.06	365.64	-24.37	181.17	160.10	-194.72	227.79	124.70	185.72	166.77	50.67
		162	970.20	344.69	-25.29	173.98	145.42	-184.44	126.64	33.08	45.63	114.09	-31.89
		53	702.04	337.89	-31.32	161.15	145.42	-184.44	41.21	-42.80	30.77	-32.36	27.71
		152	1722.84	358.98	-30.54	168.35	160.10	-194.72	229.10	-37.92	170.86	20.32	110.27
165	7	473	1218.76	341.15	-14.31	173.22	153.62	-177.46	223.17	120.23	180.92	162.48	50.64
		162	946.97	342.97	-14.24	173.84	154.89	-178.35	122.75	31.16	42.58	111.33	-30.26
		53	707.69	336.24	-20.52	160.83	154.89	-178.35	41.81	-42.95	29.97	-31.11	29.38
		152	1692.33	334.40	-20.58	160.21	153.62	-177.46	227.06	-38.70	168.31	20.05	110.28
165	8	473	965.89	156.85	-57.82	126.69	-27.66	-74.60	177.82	99.37	156.48	120.71	34.91
		162	689.25	201.70	-43.24	146.23	12.23	-102.52	95.62	8.02	26.47	77.17	-35.72
		53	487.08	193.66	-45.70	135.73	12.23	-102.52	37.11	-46.05	31.45	-40.40	20.93
		152	1364.88	147.89	-59.36	116.19	-27.66	-74.60	203.34	-38.73	161.46	3.15	91.56
165	9	473	869.58	205.25	-17.78	122.01	65.46	-107.87	160.97	86.36	133.43	113.89	36.00
		162	651.75	232.72	-15.42	131.83	85.48	-121.89	84.11	16.36	26.54	73.93	-24.21
		53	465.48	226.49	-19.88	121.12	85.48	-121.89	29.23	-31.43	23.85	-26.05	17.25
		152	1193.85	198.66	-21.90	111.31	65.46	-107.87	169.36	-24.70	130.75	13.91	77.47
165	10	473	888.39	161.18	-33.78	116.22	11.18	-82.12	164.55	91.07	141.51	114.11	34.09
		162	639.55	193.93	-27.16	129.17	37.60	-100.62	88.54	12.84	26.91	74.48	-29.44
		53	461.89	187.65	-29.87	120.18	37.60	-100.62	33.32	-38.94	27.29	-32.91	19.99
		152	1246.40	154.35	-35.93	107.24	11.18	-82.12	181.75	-33.14	141.89	6.72	83.53
165	11	473	887.60	251.99	-15.22	125.89	110.88	-133.39	162.56	88.39	132.24	118.71	36.46
		162	683.46	240.83	-15.71	122.05	103.06	-127.92	89.83	23.73	32.39	81.17	-22.30
		53	497.59	236.19	-19.85	113.29	103.06	-127.92	29.72	-30.51	22.05	-22.84	20.07
		152	1222.64	247.43	-19.43	117.12	110.88	-133.39	163.62	-27.03	121.90	14.69	78.83
166	1	163	1068.40	380.46	2.07	144.90	237.62	-183.43	131.63	38.36	62.58	107.41	-40.90
		177	1240.39	447.10	2.21	166.87	282.45	-214.81	140.81	15.61	47.36	109.07	-54.47
		153	515.24	437.78	-14.61	140.71	282.45	-214.81	29.92	16.17	17.37	28.72	3.88
		156	516.13	371.00	-14.63	118.75	237.62	-183.43	47.50	12.16	32.60	27.06	17.45
166	2	163	1042.13	334.47	1.40	131.42	204.44	-162.48	135.44	39.81	64.28	110.97	-41.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		177	1211.72	399.56	1.62	152.90	248.28	-193.17	145.02	17.73	49.42	113.33	-55.03
		153	474.07	389.03	-16.83	123.92	248.28	-193.17	33.95	17.84	19.75	32.05	5.20
		156	488.90	323.74	-16.86	102.44	204.44	-162.48	50.82	13.47	34.61	29.68	18.51
166	3	163	1063.28	316.27	1.56	129.43	188.39	-154.57	141.59	38.91	68.00	112.49	-46.27
		177	1232.42	375.73	1.88	149.09	228.52	-182.66	152.42	17.92	53.74	116.59	-59.46
		153	427.62	362.68	-20.17	113.99	228.52	-182.66	33.92	18.02	22.69	29.24	7.24
		156	502.84	302.93	-20.21	94.32	188.39	-154.57	52.32	9.79	36.95	25.15	20.43
166	4	163	1341.35	431.07	-8.70	139.57	282.80	-207.90	171.12	32.53	47.15	156.50	-42.57
		177	1509.49	445.34	-8.70	144.27	292.38	-214.60	186.81	10.81	33.47	164.16	-58.94
		153	746.77	445.98	-7.45	146.14	292.38	-214.60	51.06	-34.38	-19.43	36.11	32.46
		156	881.19	431.71	-7.45	141.45	282.80	-207.90	63.10	-40.39	-5.75	28.46	48.83
166	5	163	1263.81	399.97	-1.84	139.83	258.30	-191.97	162.13	39.95	67.59	134.48	-51.12
		177	1424.15	426.74	-1.82	148.64	276.28	-204.56	175.95	18.18	54.39	139.73	-66.35
		153	481.93	422.87	-9.16	137.43	276.28	-204.56	32.76	2.00	6.84	27.91	11.21
		156	618.64	396.08	-9.17	128.62	258.30	-191.97	47.82	-5.12	20.04	22.66	26.43
166	6	163	1136.14	368.02	2.27	135.63	234.67	-176.04	145.63	38.75	63.51	120.87	-45.10
		177	1290.02	405.34	2.32	147.92	259.75	-193.60	156.25	15.59	48.61	123.23	-59.62
		153	483.28	398.74	-9.91	129.07	259.75	-193.60	32.23	10.48	11.48	31.23	4.55
		156	511.08	361.37	-9.92	116.79	234.67	-176.04	46.74	8.51	26.38	28.87	19.08
166	7	163	1118.59	371.75	0.85	135.23	237.37	-178.28	141.47	36.86	60.03	118.29	-43.44
		177	1270.02	409.40	0.89	147.63	262.66	-195.99	152.13	15.22	46.14	121.21	-57.25
		153	475.97	403.52	-10.05	130.80	262.66	-195.99	32.77	8.14	9.93	30.97	6.40
		156	525.45	365.83	-10.06	118.41	237.37	-178.28	46.25	5.63	23.82	28.06	20.20
166	8	163	814.26	241.30	1.28	100.09	142.49	-118.12	108.61	29.94	52.73	85.82	-35.69
		177	946.37	289.40	1.57	116.01	174.97	-140.86	116.90	13.76	41.65	89.01	-45.81
		153	327.98	278.66	-16.40	87.29	174.97	-140.86	26.27	14.32	18.33	22.25	5.64
		156	387.99	230.29	-16.43	71.37	142.49	-118.12	40.83	7.65	29.42	19.06	15.76
166	9	163	765.89	266.44	1.18	100.43	167.18	-128.36	95.33	27.16	44.30	78.20	-29.58
		177	884.21	308.71	1.26	114.36	195.61	-148.26	102.13	11.28	33.78	79.63	-39.22
		153	356.96	302.70	-9.64	97.45	195.61	-148.26	21.81	10.44	11.38	20.86	3.15
		156	365.31	260.35	-9.65	83.52	167.18	-128.36	33.51	7.82	21.90	19.43	12.79
166	10	163	762.76	230.70	0.97	91.84	139.83	-112.33	100.83	27.50	47.31	81.02	-32.56
		177	879.62	269.00	1.13	104.49	165.65	-130.40	108.56	12.58	37.33	83.81	-41.99
		153	308.03	260.97	-12.73	82.60	165.65	-130.40	23.80	11.69	14.34	21.15	5.01
		156	357.33	222.53	-12.74	69.95	139.83	-112.33	36.09	6.59	24.32	18.36	14.44
166	11	163	803.73	259.54	1.28	95.28	165.54	-124.26	103.13	27.36	44.82	85.67	-31.91
		177	911.96	285.51	1.32	103.84	183.00	-136.48	110.72	11.25	34.48	87.49	-42.08
		153	339.72	281.01	-7.03	90.98	183.00	-136.48	23.08	7.28	8.11	22.25	3.52
		156	362.84	255.01	-7.04	82.43	165.54	-124.26	33.16	5.71	18.44	20.43	13.69
167	1	175	957.58	386.06	-80.61	169.04	136.41	-232.76	84.58	-31.52	75.31	-22.25	-31.47
		185	1054.13	330.51	-83.48	149.83	97.21	-205.32	108.38	-28.47	95.80	-15.89	-39.53
		50	1081.78	270.54	-145.99	27.35	97.21	-205.32	-27.84	-166.32	-27.89	-166.27	2.66
		160	1165.02	328.54	-145.57	46.56	136.41	-232.76	-47.47	-173.54	-48.38	-172.62	10.71
167	2	175	995.26	329.99	-96.01	153.63	80.34	-209.83	95.58	-31.08	85.90	-21.40	-33.64
		185	1124.07	270.91	-100.97	132.58	37.37	-179.74	127.09	-25.38	114.58	-12.87	-41.84
		50	1170.91	198.86	-162.69	-1.19	37.37	-179.74	-39.16	-195.53	-39.38	-195.31	5.76
		160	1258.05	262.10	-161.89	19.87	80.34	-209.83	-66.63	-205.27	-68.05	-203.85	13.96
167	3	175	1053.52	309.09	-86.95	144.60	77.53	-195.16	107.40	-36.93	98.02	-27.55	-35.59
		185	1232.57	254.28	-91.49	125.08	37.70	-167.27	150.93	-26.03	140.28	-15.37	-42.10
		50	1373.95	179.82	-159.17	-17.05	37.70	-167.27	-51.52	-234.72	-51.90	-234.34	8.34
		160	1450.60	238.73	-158.73	2.47	77.53	-195.16	-92.72	-247.95	-94.16	-246.51	14.86
167	4	175	630.86	315.65	-40.94	121.16	153.56	-177.55	52.61	-36.79	50.93	-35.11	-12.16
		185	743.16	284.34	-41.52	110.67	132.16	-162.58	67.65	-39.29	62.02	-33.66	-23.88
		50	1131.10	254.30	-84.24	37.90	132.16	-162.58	-49.15	-175.25	-50.85	-173.56	14.53
		160	1206.73	286.15	-84.21	48.38	153.56	-177.55	-56.15	-180.80	-61.95	-175.00	26.25
167	5	175	831.88	403.16	-37.46	154.52	211.18	-218.48	73.11	-32.02	66.47	-25.39	-25.57
		185	944.55	364.11	-37.98	141.51	184.62	-199.89	96.95	-29.64	86.89	-19.58	-34.23
		50	1179.66	339.20	-73.86	80.72	184.62	-199.89	-39.90	-173.89	-40.34	-173.45	7.68
		160	1255.59	378.69	-73.78	93.73	211.18	-218.48	-58.55	-181.47	-60.77	-179.26	16.34
167	6	175	865.86	441.85	-32.96	165.89	243.00	-234.26	76.66	-24.14	68.36	-15.84	-27.71
		185	971.82	399.31	-33.37	151.77	214.18	-214.08	102.16	-20.56	91.09	-9.49	-35.15
		50	1135.87	376.71	-67.79	94.74	214.18	-214.08	-36.70	-161.21	-36.82	-161.08	3.91
		160	1210.99	419.60	-67.73	108.86	243.00	-234.26	-58.37	-168.61	-59.55	-167.43	11.36
167	7	175	829.74	411.05	-34.94	156.18	219.93	-220.71	74.26	-24.77	66.66	-17.18	-26.35
		185	937.09	372.56	-35.39	143.38	193.80	-202.41	99.04	-21.36	88.70	-11.02	-33.74
		50	1108.72	347.56	-72.65	81.11	193.80	-202.41	-36.20	-159.70	-36.38	-159.52	4.71
		160	1178.90	386.45	-72.60	93.92	219.93	-220.71	-57.08	-167.03	-58.43	-165.68	12.09
167	8	175	831.79	233.35	-71.65	111.26	50.44	-149.44	85.12	-29.53	77.76	-22.18	-28.10
		185	975.33	190.15	-75.71	95.72	18.72	-127.23	120.11	-20.58	111.88	-12.35	-33.01
		50	1079.92	128.06	-129.33	-20.00	18.72	-127.23	-40.80	-186.38	-41.10	-186.09	6.58
		160	1139.20	174.93	-128.94	-4.45	50.44	-149.44	-74.14	-196.99	-75.22	-195.91	11.49
167	9	175	658.95	273.96	-50.13	117.06	106.78	-161.97	58.76	-21.24	52.41	-14.89	-21.62

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		185	729.73	236.97	-51.69	104.38	80.91	-143.85	75.89	-18.99	67.27	-10.37	-27.27
		50	771.38	200.00	-92.85	26.24	80.91	-143.85	-21.16	-117.51	-21.22	-117.45	2.35
		160	828.65	238.33	-92.63	38.92	106.78	-161.97	-35.33	-122.72	-36.07	-121.98	8.00
167	10	175	709.81	230.61	-53.06	103.48	74.07	-141.07	71.43	-24.24	65.03	-17.84	-23.90
		185	825.81	193.81	-55.33	90.63	47.85	-122.72	99.49	-17.60	91.98	-10.08	-28.70
		50	933.39	149.59	-100.17	1.57	47.85	-122.72	-34.30	-155.52	-34.56	-155.27	5.51
		160	987.05	188.44	-99.94	14.42	74.07	-141.07	-60.46	-164.06	-61.50	-163.03	10.31
167	11	175	608.44	305.41	-24.10	115.31	166.00	-162.79	54.36	-17.14	48.55	-11.33	-19.52
		185	684.51	275.76	-24.42	105.45	145.89	-148.72	72.43	-14.60	64.65	-6.82	-24.84
		50	801.81	259.08	-49.51	63.68	145.89	-148.72	-26.07	-114.68	-26.18	-114.57	3.05
		160	854.61	289.00	-49.47	73.53	166.00	-162.79	-41.37	-119.99	-42.27	-119.09	8.36
168	1	185	896.89	332.45	127.57	187.49	272.52	-93.20	134.59	22.65	134.01	23.23	-8.04
		473	755.35	280.36	127.46	170.33	237.49	-68.68	105.62	52.18	99.49	58.30	-17.03
		152	1356.75	258.24	10.11	30.85	237.49	-68.68	162.67	-55.39	129.28	-22.00	78.53
		50	1724.43	306.17	14.37	48.02	272.52	-93.20	194.27	-87.54	163.80	-57.07	87.52
168	2	185	965.65	266.45	142.61	176.18	232.89	-55.04	150.54	22.33	149.83	23.04	-9.54
		473	803.99	203.45	142.10	155.29	190.26	-25.20	124.79	63.89	120.53	68.15	-15.53
		152	1506.04	193.48	-6.75	-3.53	190.26	-25.20	192.26	-63.51	150.43	-21.68	94.60
		50	1871.03	246.14	4.12	17.36	232.89	-55.04	215.57	-102.62	179.73	-66.78	100.59
168	3	185	1049.65	250.46	134.37	163.53	221.30	-50.35	162.51	7.39	160.95	8.95	-15.48
		473	877.31	173.51	132.66	137.66	168.51	-13.39	144.41	66.56	141.56	69.41	-14.62
		152	1747.13	169.43	-25.37	-24.44	168.51	-13.39	227.07	-75.75	175.68	-24.36	113.67
		50	2083.27	232.28	-9.55	1.43	221.30	-50.35	234.88	-124.63	195.07	-84.82	112.81
168	4	185	660.18	300.98	77.44	115.40	263.02	-83.93	107.31	17.28	106.31	18.28	9.43
		473	531.25	290.43	77.05	111.80	255.67	-78.79	53.83	41.49	44.34	50.98	-5.20
		152	1479.31	280.49	5.55	30.37	255.67	-78.79	159.08	-82.16	103.79	-26.87	101.40
		50	1931.19	290.48	6.50	33.96	263.02	-83.93	214.83	-108.63	165.77	-59.57	116.03
168	5	185	820.09	372.83	70.08	158.03	284.87	-137.45	120.85	20.59	120.50	20.93	-5.87
		473	718.67	341.41	70.02	147.68	263.74	-122.66	86.03	49.52	77.00	58.55	-15.75
		152	1460.13	323.75	13.02	73.03	263.74	-122.66	161.54	-66.80	119.20	-24.47	88.74
		50	1846.96	354.54	13.71	83.38	284.87	-137.45	199.83	-99.22	162.70	-62.09	98.62
168	6	185	853.64	408.61	65.23	168.32	305.52	-157.38	121.03	23.33	120.16	24.20	-9.20
		473	778.61	366.91	65.19	154.59	277.51	-137.77	95.30	54.92	87.85	62.36	-15.66
		152	1406.96	348.31	9.44	80.24	277.51	-137.77	159.58	-53.51	121.52	-15.44	81.62
		50	1735.37	389.37	10.12	93.97	305.52	-157.38	186.17	-85.96	153.82	-53.60	88.08
168	7	185	818.57	382.14	69.15	159.91	291.38	-142.02	118.05	21.27	117.34	21.98	-8.27
		473	739.80	344.11	69.07	147.38	265.80	-124.12	92.06	53.45	85.64	59.86	-14.37
		152	1383.71	325.49	7.72	67.41	265.80	-124.12	157.86	-54.01	119.48	-15.62	81.61
		50	1704.46	362.71	8.61	79.94	291.38	-142.02	183.61	-85.94	151.17	-53.50	87.70
168	8	185	828.41	185.21	108.39	126.86	166.73	-32.83	128.10	4.10	126.79	5.41	-12.66
		473	691.60	124.25	105.42	105.84	123.83	-2.80	115.03	51.51	112.90	53.64	-11.42
		152	1372.30	123.88	-25.13	-25.08	123.83	-2.80	179.53	-59.99	139.19	-19.65	89.64
		50	1631.50	172.83	-10.15	-4.05	166.73	-32.83	184.09	-98.89	153.08	-67.88	88.40
168	9	185	625.07	240.11	82.11	128.18	194.04	-71.81	93.71	16.34	93.31	16.74	-5.57
		473	532.66	205.30	82.04	116.71	170.63	-55.42	73.45	37.97	69.20	42.23	-11.52
		152	969.60	189.43	7.24	26.03	170.63	-55.42	115.70	-39.18	90.97	-14.45	56.73
		50	1224.49	221.99	9.55	37.50	194.04	-71.81	137.25	-62.11	115.07	-39.94	62.68
168	10	185	706.44	194.51	85.94	114.86	165.58	-48.00	109.21	7.87	108.27	8.81	-9.71
		473	593.34	145.35	85.51	98.56	132.31	-24.71	94.81	46.16	92.57	48.40	-10.19
		152	1185.91	136.63	-9.01	-4.69	132.31	-24.71	151.51	-50.53	116.75	-15.77	76.25
		50	1423.41	179.32	-2.12	11.62	165.58	-48.00	159.81	-82.72	132.45	-55.36	76.73
168	11	185	601.40	282.41	47.48	117.53	212.37	-107.47	86.17	16.72	85.61	17.28	-6.22
		473	546.41	253.38	47.45	107.96	192.86	-93.81	67.72	39.50	62.74	44.48	-10.76
		152	998.49	240.03	6.30	53.47	192.86	-93.81	114.02	-38.18	86.65	-10.81	58.45
		50	1231.09	268.56	6.84	63.03	212.37	-107.47	132.76	-61.25	109.53	-38.01	62.99
169	1	41	930.85	479.00	-37.76	112.91	328.33	-234.86	-11.41	-114.80	-15.32	-110.89	-19.73
		189	915.50	469.81	-37.78	109.88	322.15	-230.53	-19.78	-108.86	-21.31	-107.33	-11.57
		163	747.55	491.60	8.51	177.96	322.15	-230.53	55.82	-35.02	51.01	-30.21	-20.34
		162	847.17	500.80	8.52	180.99	328.33	-234.86	65.21	-41.97	57.01	-33.77	-28.49
169	2	41	961.37	455.18	-35.52	103.50	316.17	-221.11	-11.85	-119.79	-14.50	-117.14	-16.72
		189	934.29	429.14	-35.58	94.91	298.64	-208.84	-22.30	-116.75	-23.39	-115.66	-10.12
		163	721.86	450.86	12.11	164.32	298.64	-208.84	54.40	-42.27	49.59	-37.46	-21.00
		162	828.70	476.95	12.12	172.91	316.17	-221.11	65.76	-46.22	58.48	-38.94	-27.61
169	3	41	948.41	465.90	-36.82	104.30	324.78	-225.90	-5.60	-115.05	-8.81	-111.83	-18.48
		189	912.09	423.54	-36.95	90.33	296.26	-205.94	-17.43	-113.87	-19.17	-112.12	-12.86
		163	776.34	446.82	14.59	165.15	296.26	-205.94	60.74	-40.80	52.89	-32.95	-27.12
		162	889.85	489.30	14.60	179.12	324.78	-225.90	73.37	-42.77	63.26	-32.66	-32.74
169	4	41	792.63	567.22	-34.05	105.99	427.18	-254.15	-14.47	-63.55	-16.47	-61.54	-9.71
		189	675.69	412.14	-36.47	54.20	321.47	-180.15	-31.11	-67.20	-32.39	-65.92	-6.67
		163	720.72	431.92	27.63	138.08	321.47	-180.15	60.19	1.08	43.28	17.98	-26.71
		162	931.54	589.01	28.05	189.88	427.18	-254.15	75.77	5.80	59.20	22.37	-29.75
169	5	41	1022.45	496.69	-33.93	108.89	353.87	-235.34	-28.07	-124.03	-29.35	-122.75	-11.00

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		189	978.02	426.03	-34.28	85.54	306.22	-201.98	-50.28	-126.67	-50.65	-126.30	-5.27
		163	783.92	445.92	14.19	153.89	306.22	-201.98	71.61	-14.50	61.30	-4.19	-27.95
		162	955.89	516.92	14.19	177.24	353.87	-235.34	94.52	-12.56	82.60	-0.64	-33.68
169	6	41	894.00	450.14	-31.37	117.99	300.78	-222.74	-15.80	-112.81	-18.72	-109.89	-16.59
		189	891.36	437.73	-31.38	113.91	292.44	-216.90	-20.09	-105.75	-20.43	-105.40	-5.42
		163	744.51	453.78	0.83	162.17	292.44	-216.90	61.58	-23.44	55.31	-17.17	-22.22
		162	858.87	466.18	0.84	166.25	300.78	-222.74	69.28	-33.91	57.02	-21.66	-33.38
169	7	41	856.94	451.54	-30.50	112.85	308.19	-220.34	-13.95	-104.28	-16.93	-101.30	-16.13
		189	848.14	432.21	-30.52	106.48	295.20	-211.25	-19.66	-98.37	-20.17	-97.85	-6.36
		163	723.92	449.12	5.27	159.19	295.20	-211.25	59.01	-21.03	52.31	-14.33	-22.17
		162	835.48	468.47	5.27	165.55	308.19	-220.34	67.50	-29.73	55.54	-17.77	-31.94
169	8	41	731.32	361.68	-29.11	80.40	252.17	-175.51	-3.07	-88.41	-5.76	-85.72	-14.92
		189	702.45	328.63	-29.21	69.49	229.92	-159.93	-11.96	-87.44	-13.51	-85.89	-10.69
		163	604.32	347.13	11.70	128.91	229.92	-159.93	46.71	-32.79	40.55	-26.63	-21.25
		162	690.41	380.27	11.71	139.81	252.17	-175.51	56.16	-34.31	48.30	-26.46	-25.48
169	9	41	656.39	334.11	-25.45	79.26	229.40	-163.35	-9.08	-80.90	-11.48	-78.50	-12.91
		189	645.09	324.27	-25.47	76.02	222.79	-158.72	-15.37	-77.23	-16.21	-76.39	-7.16
		163	524.44	338.95	5.92	122.08	222.79	-158.72	40.26	-22.96	36.60	-19.30	-14.75
		162	598.29	348.81	5.92	125.33	229.40	-163.35	47.44	-27.52	41.33	-21.41	-20.51
169	10	41	665.84	326.83	-24.92	74.48	227.43	-158.38	-5.82	-81.06	-7.86	-79.02	-12.22
		189	642.57	298.55	-25.00	65.15	208.40	-145.06	-14.07	-80.01	-15.02	-79.05	-7.88
		163	540.00	314.08	9.29	114.97	208.40	-145.06	43.02	-26.20	37.65	-20.82	-18.52
		162	621.94	342.42	9.30	124.29	227.43	-158.38	51.99	-27.98	44.80	-20.79	-22.87
169	11	41	636.03	318.05	-21.87	82.08	214.10	-156.62	-11.49	-79.82	-13.37	-77.94	-11.17
		189	631.73	306.41	-21.88	78.25	206.28	-151.15	-15.48	-75.55	-15.72	-75.32	-3.75
		163	522.94	317.93	1.66	113.31	206.28	-151.15	43.48	-16.55	38.99	-12.06	-15.80
		162	604.98	329.57	1.67	117.14	214.10	-156.62	49.71	-23.06	41.34	-14.68	-23.23
170	1	149	371.18	247.22	-14.97	81.13	151.12	-126.34	19.73	-27.41	17.60	-25.28	-9.80
		193	394.03	101.28	-15.48	32.97	52.83	-57.53	40.56	-23.80	38.71	-21.95	10.75
		175	878.04	116.45	0.80	64.43	52.83	-57.53	141.87	36.75	91.24	87.38	-52.52
		164	1149.51	259.65	4.06	112.59	151.12	-126.34	150.49	3.68	70.12	84.05	-73.07
170	2	149	344.96	169.23	-16.69	55.09	97.46	-90.52	18.82	-36.11	17.16	-34.44	-9.42
		193	400.11	15.07	-19.97	3.31	-8.22	-16.54	42.97	-33.39	40.43	-30.85	13.70
		175	874.30	44.38	-13.42	39.17	-8.22	-16.54	155.57	39.61	101.23	93.95	-57.87
		164	1166.50	184.78	3.63	90.95	97.46	-90.52	165.38	2.94	77.96	90.36	-80.99
170	3	149	451.72	172.54	-15.77	56.74	100.03	-91.63	33.36	-38.96	28.94	-34.54	-17.33
		193	431.38	24.78	-18.17	7.36	-0.75	-21.09	49.21	-32.23	48.99	-32.01	4.23
		175	960.32	47.94	-9.88	38.81	-0.75	-21.09	167.42	35.74	111.59	91.57	-65.07
		164	1235.25	185.93	2.28	88.19	100.03	-91.63	176.93	3.65	91.55	89.04	-86.63
170	4	149	504.76	309.72	-0.70	105.15	203.87	-147.15	35.65	5.09	11.07	29.67	-12.12
		193	341.20	226.35	-0.72	77.72	147.90	-107.98	36.35	25.81	28.57	33.59	4.63
		175	971.09	225.76	-1.85	76.01	147.90	-107.98	142.41	45.76	70.34	117.83	-42.09
		164	1158.30	309.13	-1.84	103.43	203.87	-147.15	149.66	17.08	52.84	113.90	-58.85
170	5	149	481.01	351.76	-6.04	116.22	229.51	-169.69	26.37	6.49	19.63	13.23	-9.42
		193	343.88	267.64	-6.06	88.54	173.03	-130.16	35.58	11.26	33.71	13.13	6.48
		175	1076.68	272.39	2.51	101.86	173.03	-130.16	151.69	42.74	82.32	112.12	-52.40
		164	1275.27	356.42	2.61	129.53	229.51	-169.69	161.98	18.48	68.24	112.22	-68.30
170	6	149	476.80	401.75	-5.04	132.58	264.14	-192.47	19.77	1.51	17.51	3.78	-6.02
		193	434.97	317.89	-5.05	104.99	207.85	-153.06	33.21	-0.26	30.32	2.63	9.40
		175	1094.22	322.23	3.02	117.40	207.85	-153.06	145.33	39.32	80.45	104.21	-51.66
		164	1294.13	406.04	3.09	144.98	264.14	-192.47	156.17	16.82	67.63	105.36	-67.07
170	7	149	458.15	370.16	-5.08	122.44	242.64	-177.74	20.85	-0.11	17.64	3.10	-7.54
		193	393.45	286.89	-5.10	95.05	186.74	-138.61	32.65	0.64	30.69	2.61	7.68
		175	1037.94	290.97	2.41	106.65	186.74	-138.61	140.57	38.13	78.83	99.87	-50.13
		164	1233.23	374.18	2.49	134.03	242.64	-177.74	150.68	15.47	65.78	100.36	-65.36
170	8	149	364.42	120.24	-13.03	39.48	67.73	-65.12	27.10	-33.15	23.46	-29.51	-14.36
		193	359.03	3.89	-17.41	-0.22	-13.30	-8.41	39.41	-27.44	39.31	-27.33	2.61
		175	738.39	27.22	-15.04	25.48	-13.30	-8.41	130.79	26.64	88.31	69.12	-51.18
		164	953.72	131.59	1.32	65.18	67.73	-65.12	137.90	1.50	72.46	66.94	-68.14
170	9	149	262.23	190.15	-9.15	62.54	118.46	-95.65	13.70	-15.31	12.22	-13.82	-6.39
		193	275.19	95.58	-9.34	31.38	54.86	-51.13	27.60	-13.45	26.16	-12.01	7.55
		175	644.04	104.02	1.68	50.84	54.86	-51.13	100.96	26.84	63.17	64.63	-37.06
		164	827.55	197.60	2.86	82.00	118.46	-95.65	107.48	4.58	49.24	62.82	-51.00
170	10	149	297.75	148.62	-9.55	48.99	90.07	-76.37	21.30	-21.74	18.52	-18.96	-10.58
		193	281.09	52.27	-10.01	17.15	25.10	-30.89	32.18	-17.91	31.87	-17.60	3.93
		175	686.11	62.27	-0.57	36.60	25.10	-30.89	114.91	26.53	74.49	66.96	-44.03
		164	872.51	156.39	2.13	68.44	90.07	-76.37	121.94	4.79	61.14	65.59	-58.53
170	11	149	328.70	276.03	-3.66	91.12	181.25	-132.39	13.78	0.71	12.17	2.32	-4.30
		193	301.88	216.05	-3.67	71.39	140.98	-104.21	23.60	-0.46	21.50	1.64	6.80
		175	766.75	219.16	2.09	80.27	140.98	-104.21	103.10	28.05	57.18	73.98	-36.57
		164	909.57	279.10	2.14	100.00	181.25	-132.39	110.77	11.74	47.85	74.66	-47.67
171	1	147	1030.81	391.86	-66.80	102.39	222.67	-221.30	88.38	-46.59	77.87	-36.08	36.17

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		41	1496.01	473.18	-66.68	129.17	277.34	-259.57	158.36	-55.55	141.99	-39.18	56.86
		162	821.74	507.49	-15.40	214.75	277.34	-259.57	97.86	16.32	97.84	16.34	1.05
		473	692.94	427.30	-16.66	187.96	222.67	-221.30	47.49	5.68	33.73	19.44	-19.65
171	2	147	1005.35	347.38	-66.99	107.76	172.62	-204.63	84.71	-56.38	74.36	-46.03	36.80
		41	1543.87	454.27	-66.21	143.17	244.89	-255.22	165.87	-63.99	148.15	-46.27	61.31
		162	811.80	481.74	-30.13	206.72	244.89	-255.22	99.57	14.98	99.48	15.07	2.83
		473	652.63	376.60	-32.67	171.31	172.62	-204.63	42.79	-1.80	25.68	15.31	-21.69
171	3	147	948.14	355.93	-75.87	116.54	163.52	-214.62	80.67	-52.58	73.91	-45.82	29.25
		41	1473.06	466.70	-74.59	153.39	238.72	-267.26	157.28	-60.22	142.97	-45.91	53.92
		162	879.93	495.50	-39.44	217.35	238.72	-267.26	103.16	20.33	103.02	20.47	-3.34
		473	747.74	386.80	-42.78	180.50	163.52	-214.62	56.06	-1.55	33.96	20.55	-28.01
171	4	147	848.87	430.54	-61.70	148.45	220.39	-243.48	80.43	-10.13	67.87	2.43	31.30
		41	1340.75	569.14	-60.58	194.40	314.16	-309.11	147.63	-17.19	126.25	4.19	55.39
		162	931.20	575.81	-51.02	210.63	314.16	-309.11	104.09	74.30	103.01	75.37	5.56
		473	846.37	437.61	-52.53	164.69	220.39	-243.48	82.64	35.61	44.64	73.61	-18.53
171	5	147	1173.26	409.83	-54.92	115.72	239.18	-224.02	120.24	-35.38	99.27	-14.41	53.13
		41	1578.83	493.62	-54.80	143.32	295.50	-263.44	168.95	-55.56	145.81	-32.42	68.27
		162	929.25	516.12	-19.08	201.55	295.50	-263.44	115.33	40.80	115.00	41.13	-4.97
		473	838.97	432.95	-19.82	173.95	239.18	-224.02	84.45	43.15	68.46	59.13	-20.11
171	6	147	1089.53	424.73	-49.45	104.51	270.77	-222.04	100.16	-37.49	84.73	-22.06	43.42
		41	1467.11	443.21	-49.45	110.58	283.17	-230.72	157.55	-52.04	138.14	-32.62	60.77
		162	818.97	474.20	4.50	195.52	283.17	-230.72	101.94	28.35	101.87	28.42	-2.38
		473	768.47	455.84	4.38	189.45	270.77	-222.04	64.01	23.44	48.46	38.99	-19.72
171	7	147	1028.46	416.94	-52.80	106.09	258.04	-222.24	93.76	-33.74	79.99	-19.97	39.58
		41	1400.68	445.35	-52.80	115.43	277.12	-235.59	150.06	-46.84	131.98	-28.75	56.86
		162	803.76	473.88	-4.96	191.80	277.12	-235.59	98.03	30.29	97.96	30.36	-2.17
		473	756.19	445.68	-5.18	182.46	258.04	-222.24	62.31	22.80	45.96	39.15	-19.46
171	8	147	717.69	272.58	-61.14	90.13	121.31	-166.13	59.99	-41.64	55.55	-37.20	20.75
		41	1130.57	362.63	-59.97	120.13	182.53	-208.99	120.41	-46.62	109.98	-36.19	40.41
		162	684.03	385.64	-32.50	170.62	182.53	-208.99	79.23	14.88	79.10	15.01	-2.83
		473	581.39	297.37	-35.45	140.62	121.31	-166.13	42.44	-3.76	24.68	14.00	-22.48
171	9	147	737.50	278.36	-44.62	73.78	159.97	-155.64	64.80	-31.71	56.45	-23.36	27.13
		41	1057.11	330.30	-44.55	90.88	194.87	-180.07	112.49	-39.01	100.28	-26.79	41.25
		162	580.31	352.90	-10.32	147.70	194.87	-180.07	70.10	13.67	70.10	13.67	0.44
		473	495.96	301.61	-11.04	130.60	159.97	-155.64	36.13	7.25	26.28	17.10	-13.69
171	10	147	691.01	257.98	-49.24	81.64	127.10	-151.92	60.33	-34.86	54.25	-28.77	23.28
		41	1044.33	326.43	-48.67	104.34	173.42	-184.34	111.85	-41.55	100.82	-30.52	39.62
		162	612.13	346.03	-23.46	149.15	173.42	-184.34	73.05	15.90	72.98	15.97	-2.00
		473	524.44	278.70	-25.14	126.45	127.10	-151.92	40.91	3.21	26.41	17.72	-18.34
171	11	147	770.58	296.56	-34.92	74.96	186.69	-156.04	71.42	-26.73	60.26	-15.57	31.15
		41	1041.13	313.59	-34.92	80.56	198.12	-164.04	112.08	-37.09	98.14	-23.14	43.42
		162	579.17	334.43	0.70	137.02	198.12	-164.04	72.38	20.35	72.34	20.39	-1.47
		473	539.19	317.53	0.58	131.42	186.69	-156.04	45.33	17.10	34.46	27.96	-13.74
172	1	189	953.31	476.35	-15.72	131.87	328.76	-225.48	18.91	-87.89	18.69	-87.67	4.87
		148	995.36	468.09	-15.73	129.15	323.21	-221.60	19.33	-96.11	19.03	-95.82	5.81
		177	785.20	478.55	7.10	162.44	323.21	-221.60	33.11	-75.21	23.31	-65.40	-31.07
		163	787.14	486.82	7.10	165.16	328.76	-225.48	34.18	-68.47	22.96	-57.26	-32.02
172	2	189	971.27	435.39	-14.76	119.31	301.32	-205.86	18.89	-95.94	18.43	-95.48	7.27
		148	1017.31	432.16	-14.77	118.24	299.15	-204.34	17.90	-105.18	17.43	-104.71	7.59
		177	773.12	442.26	7.39	150.50	299.15	-204.34	31.83	-81.84	22.57	-72.58	-31.09
		163	762.61	445.50	7.39	151.56	301.32	-205.86	33.73	-73.50	23.57	-63.34	-31.41
172	3	189	951.78	430.37	-14.65	117.91	297.81	-203.52	23.17	-92.53	22.96	-92.32	4.95
		148	1001.54	429.22	-14.66	117.53	297.03	-202.98	21.14	-102.92	20.95	-102.74	4.79
		177	825.59	439.32	7.46	149.75	297.03	-202.98	39.32	-80.75	26.76	-68.19	-36.75
		163	811.98	440.47	7.46	150.13	297.81	-203.52	42.16	-71.17	28.76	-57.77	-36.60
172	4	189	725.96	410.41	-16.57	102.04	291.80	-191.25	12.59	-51.61	10.54	-49.55	11.30
		148	751.04	372.84	-16.70	89.64	266.50	-173.54	10.75	-64.48	9.15	-62.89	10.84
		177	757.54	386.23	14.98	134.71	266.50	-173.54	38.50	-52.79	10.61	-24.90	-42.05
		163	794.72	423.93	14.98	147.11	291.80	-191.25	43.44	-43.01	11.99	-11.57	-41.59
172	5	189	1042.73	430.35	-14.70	116.09	299.55	-202.74	5.76	-108.78	2.50	-105.53	19.04
		148	1101.18	408.60	-14.73	108.93	284.93	-192.50	4.83	-122.03	0.77	-117.98	22.31
		177	798.59	419.35	9.23	143.65	284.93	-192.50	43.44	-64.47	26.88	-47.92	-38.88
		163	840.52	441.13	9.23	150.81	299.55	-202.74	49.52	-56.38	28.61	-35.46	-42.16
172	6	189	933.93	443.26	-11.43	128.15	303.67	-209.73	15.51	-89.69	14.87	-89.04	8.21
		148	977.91	418.75	-11.45	120.09	287.21	-198.20	18.60	-98.43	17.55	-97.39	10.99
		177	766.86	426.19	4.55	143.53	287.21	-198.20	37.01	-69.32	24.85	-57.16	-33.84
		163	794.59	450.72	4.55	151.59	303.67	-209.73	37.67	-64.32	22.16	-48.81	-36.63
172	7	189	888.64	437.39	-12.20	123.94	301.25	-206.57	15.37	-82.39	14.81	-81.84	7.35
		148	929.32	413.23	-12.22	115.98	285.02	-195.21	17.83	-91.10	16.97	-90.24	9.65
		177	748.48	421.62	6.04	142.63	285.02	-195.21	35.84	-65.30	23.12	-52.57	-33.54
		163	775.16	445.80	6.04	150.58	301.25	-206.57	36.82	-60.03	20.96	-44.17	-35.84
172	8	189	731.68	334.08	-11.54	91.34	231.20	-158.03	18.96	-70.59	18.86	-70.49	2.96

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		148	770.21	334.95	-11.54	91.63	231.78	-158.44	17.27	-78.58	17.19	-78.50	2.63
		177	643.69	342.88	5.82	116.92	231.78	-158.44	30.54	-63.13	20.81	-53.40	-28.58
		163	630.26	342.01	5.82	116.63	231.20	-158.03	32.70	-55.61	22.48	-45.39	-28.26
172	9	189	673.62	328.64	-10.57	91.23	226.84	-155.46	12.40	-63.09	12.13	-62.82	4.52
		148	703.76	320.51	-10.58	88.55	221.37	-151.64	12.77	-69.18	12.41	-68.83	5.40
		177	549.65	327.62	4.94	111.19	221.37	-151.64	23.89	-52.14	16.60	-44.84	-22.39
		163	554.46	335.76	4.94	113.86	226.84	-155.46	24.82	-47.34	16.31	-38.83	-23.27
172	10	189	672.31	303.10	-9.98	83.48	209.64	-143.27	14.76	-65.67	14.50	-65.41	4.57
		148	706.76	298.91	-9.98	82.10	206.83	-141.30	13.75	-72.94	13.48	-72.67	4.84
		177	571.96	305.82	5.15	104.14	206.83	-141.30	27.36	-55.23	18.51	-46.38	-25.55
		163	567.91	310.01	5.15	105.51	209.64	-143.27	29.28	-48.86	19.53	-39.12	-25.82
172	11	189	662.95	310.26	-8.19	89.17	212.90	-146.71	10.55	-64.13	10.00	-63.58	6.38
		148	694.13	293.09	-8.20	83.52	201.37	-138.64	12.42	-70.54	11.59	-69.70	8.28
		177	539.47	298.53	3.53	100.68	201.37	-138.64	26.09	-48.89	17.45	-40.26	-23.93
		163	558.69	315.70	3.53	106.33	212.90	-146.71	26.81	-45.09	15.86	-34.14	-25.83
173	1	193	521.53	131.18	-18.07	-17.98	131.09	-3.66	-10.54	-70.10	-13.44	-67.20	-12.80
		38	458.28	77.74	-66.74	-51.56	62.57	44.30	16.23	-56.16	11.72	-51.65	17.50
		185	768.91	160.32	42.49	140.25	62.57	44.30	133.12	73.34	110.99	95.46	-28.86
		175	901.46	174.13	130.78	173.82	131.09	-3.66	142.12	23.63	85.84	79.91	-59.17
173	2	193	581.14	93.23	-68.11	-55.11	80.24	43.91	-15.41	-83.52	-17.99	-80.93	-13.01
		38	519.27	64.11	-154.09	-92.97	2.98	97.99	11.67	-69.41	6.49	-64.24	19.81
		185	786.67	177.22	-52.12	122.11	2.98	97.99	145.25	82.53	123.97	103.81	-29.69
		175	899.54	179.41	60.80	159.96	80.24	43.91	156.13	30.48	99.48	87.12	-62.52
173	3	193	614.34	92.91	-56.57	-47.13	83.47	36.36	2.75	-80.31	-1.13	-76.43	-17.53
		38	494.91	62.53	-137.31	-83.67	8.89	88.56	14.57	-65.10	13.16	-63.69	10.50
		185	854.14	165.33	-41.24	115.20	8.89	88.56	159.01	81.93	137.15	103.79	-34.74
		175	987.01	167.48	67.73	151.74	83.47	36.36	171.70	42.19	122.85	91.05	-62.77
173	4	193	365.79	233.96	9.30	33.46	209.80	-69.61	3.39	-32.30	-20.09	-8.82	-16.93
		38	229.31	185.37	4.19	15.80	173.76	-44.38	17.36	-5.05	3.88	8.43	10.97
		185	903.55	197.15	89.56	112.95	173.76	-44.38	140.54	84.08	92.41	132.21	-20.03
		175	999.04	250.28	90.13	130.61	209.80	-69.61	144.98	38.42	68.44	114.96	-47.94
173	5	193	344.27	265.88	10.97	60.76	216.09	-101.06	-4.68	-36.27	-12.12	-28.82	-13.40
		38	379.78	210.95	9.30	42.14	178.10	-74.46	12.86	-21.73	6.74	-15.61	13.20
		185	952.97	235.39	81.32	138.61	178.10	-74.46	143.98	85.49	105.43	124.05	-27.72
		175	1088.60	291.92	81.40	157.23	216.09	-101.06	154.37	43.04	86.57	110.83	-54.33
173	6	193	433.31	314.94	11.87	80.68	246.13	-126.96	-11.27	-44.08	-16.11	-39.24	-11.64
		38	467.37	257.58	10.94	61.51	207.01	-99.58	6.14	-32.84	0.08	-26.78	14.13
		185	950.33	281.72	74.29	149.00	207.01	-99.58	135.90	82.68	103.06	115.52	-25.87
		175	1094.97	339.96	74.34	168.17	246.13	-126.96	147.23	42.70	86.87	103.06	-51.64
173	7	193	404.37	284.85	11.86	68.07	228.64	-110.39	-8.43	-42.40	-13.56	-37.28	-12.16
		38	424.69	227.44	10.42	48.72	189.14	-82.74	7.14	-30.13	2.22	-25.21	12.62
		185	902.52	251.00	78.48	140.35	189.14	-82.74	131.76	79.56	100.52	110.80	-25.59
		175	1040.47	309.81	78.53	159.70	228.64	-110.39	142.58	40.89	84.75	98.73	-50.36
173	8	193	497.36	67.73	-57.19	-44.25	54.79	38.07	3.79	-64.49	0.78	-61.48	-14.01
		38	400.69	47.64	-126.54	-73.66	-5.24	80.09	12.22	-52.71	11.34	-51.83	7.52
		185	674.89	133.75	-51.39	87.60	-5.24	80.09	124.62	62.00	108.10	78.52	-27.60
		175	762.39	135.07	36.74	117.02	54.79	38.07	134.38	32.03	97.54	68.87	-49.13
173	9	193	347.66	107.69	-3.90	-1.37	105.16	-16.61	-8.01	-45.99	-10.23	-43.77	-8.91
		38	311.65	63.06	-25.67	-23.20	60.60	14.59	9.96	-36.43	6.56	-33.03	12.09
		185	559.90	103.45	55.63	98.48	60.60	14.59	94.47	54.14	77.69	70.92	-19.88
		175	657.73	130.99	94.48	120.32	105.16	-16.61	101.42	19.66	60.91	60.17	-40.88
173	10	193	392.70	79.03	-17.89	-17.56	78.70	5.63	-0.63	-51.65	-3.39	-48.89	-11.54
		38	320.76	48.01	-58.28	-41.04	30.78	39.17	8.75	-41.10	7.36	-39.72	8.20
		185	601.86	105.19	10.16	84.57	30.78	39.17	108.48	59.28	92.22	75.54	-23.14
		175	699.31	109.09	77.66	108.05	78.70	5.63	117.46	30.37	81.47	66.36	-42.88
173	11	193	302.95	214.15	8.37	53.45	169.08	-85.11	-8.29	-31.66	-11.71	-28.23	-8.26
		38	324.40	172.89	7.57	39.61	140.85	-65.35	4.49	-23.61	0.09	-19.21	10.22
		185	665.94	190.08	54.11	103.35	140.85	-65.35	96.41	58.93	73.28	82.06	-18.22
		175	767.77	232.10	54.15	117.18	169.08	-85.11	104.41	30.11	61.48	73.04	-36.70
174	1	38	1116.97	212.62	-331.46	168.35	-287.19	-148.75	-7.53	-116.03	-11.80	-111.76	-21.09
		147	1559.93	517.89	-231.04	301.76	-14.91	-339.34	175.07	-53.85	140.31	-19.09	82.15
		473	1652.06	446.47	-264.49	196.89	-14.91	-339.34	255.54	113.96	201.90	167.59	68.68
		185	692.28	118.07	-341.78	63.47	-287.19	-148.75	99.13	25.58	49.79	74.92	-34.56
174	2	38	1242.32	170.24	-405.51	146.43	-381.71	-114.62	-10.73	-130.16	-14.31	-126.59	-20.35
		147	1669.92	488.72	-267.35	296.60	-75.23	-329.16	191.07	-64.41	150.39	-23.73	93.48
		473	1832.63	410.89	-298.11	188.01	-75.23	-329.16	287.54	121.44	223.69	185.28	80.80
		185	782.06	67.11	-410.98	37.84	-381.71	-114.62	105.75	35.67	59.00	82.42	-33.03
174	3	38	1226.05	158.85	-366.20	136.05	-343.40	-107.01	3.64	-126.59	-1.31	-121.65	-24.90
		147	1593.14	478.65	-236.31	283.94	-41.59	-318.28	188.56	-55.97	153.92	-21.33	85.27
		473	1792.68	404.92	-268.46	178.05	-41.59	-318.28	289.13	131.51	232.63	188.01	75.59
		185	772.93	58.65	-371.88	30.16	-343.40	-107.01	117.52	47.58	77.40	87.70	-34.59
174	4	38	575.28	239.05	-128.80	143.34	-33.09	-161.39	0.84	-50.01	-3.80	-45.36	-14.65

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		147	1487.59	473.77	-101.65	229.46	142.66	-284.42	195.20	-3.55	152.54	39.11	81.60
		473	1516.32	421.86	-147.08	132.11	142.66	-284.42	252.69	129.05	184.17	197.57	61.46
		185	857.66	172.62	-159.72	46.00	-33.09	-161.39	125.49	15.43	27.83	113.10	-34.79
174	5	38	652.30	276.26	-123.93	164.36	-12.03	-179.61	12.91	-62.46	12.66	-62.21	-4.32
		147	1608.25	463.83	-102.00	233.26	128.58	-278.03	204.34	-28.71	161.95	13.68	89.90
		473	1467.94	423.49	-133.54	161.38	128.58	-278.03	248.23	132.74	199.23	181.74	57.08
		185	885.18	227.29	-146.83	92.48	-12.03	-179.61	124.38	31.41	49.94	105.85	-37.14
174	6	38	627.09	310.04	-105.08	171.69	33.27	-195.68	12.62	-65.32	12.62	-65.32	0.03
		147	1595.49	474.89	-90.42	230.73	153.74	-280.02	193.38	-36.36	150.46	6.57	89.55
		473	1439.87	440.57	-119.62	167.21	153.74	-280.02	241.14	121.10	192.73	169.52	58.89
		185	857.83	269.96	-128.52	108.18	33.27	-195.68	113.61	38.90	54.88	97.63	-30.64
174	7	38	638.04	284.95	-114.28	163.51	7.16	-183.67	10.45	-64.87	10.30	-64.71	-3.44
		147	1521.03	468.94	-95.59	230.16	143.19	-278.89	183.82	-32.93	144.03	6.86	83.92
		473	1409.34	431.94	-126.18	162.56	143.19	-278.89	234.32	118.10	186.78	165.64	57.14
		185	813.13	240.49	-137.42	95.91	7.16	-183.67	110.08	37.04	53.05	94.06	-30.22
174	8	38	992.23	118.42	-304.26	103.61	-289.45	-77.72	2.47	-102.47	-2.11	-97.89	-21.43
		147	1220.94	373.35	-193.24	223.96	-43.84	-249.65	143.71	-44.46	118.04	-18.78	64.59
		473	1400.89	313.51	-218.25	139.10	-43.84	-249.65	225.03	101.82	181.44	145.41	58.91
		185	613.12	37.24	-307.95	18.75	-289.45	-77.72	91.02	36.57	61.29	66.30	-27.11
174	9	38	718.90	154.94	-200.77	117.55	-163.38	-109.09	-2.90	-74.65	-4.90	-72.65	-11.79
		147	1112.56	355.66	-143.55	202.38	9.73	-230.27	127.55	-35.63	101.47	-9.55	59.79
		473	1146.63	310.22	-166.73	133.76	9.73	-230.27	180.35	82.03	142.49	119.89	47.84
		185	494.69	95.00	-209.44	48.93	-163.38	-109.09	72.35	20.56	36.12	56.79	-23.74
174	10	38	779.18	122.86	-217.85	99.61	-194.61	-85.91	3.31	-80.52	0.93	-78.14	-13.91
		147	1131.63	333.55	-146.16	192.47	-5.09	-218.57	135.00	-36.76	109.03	-10.80	61.53
		473	1225.20	286.90	-168.70	123.29	-5.09	-218.57	198.98	91.81	159.56	131.23	51.68
		185	510.13	59.47	-223.65	30.43	-194.61	-85.91	82.22	33.12	51.46	63.89	-23.75
174	11	38	448.51	212.00	-77.93	119.41	14.65	-135.17	8.67	-46.85	8.67	-46.85	-0.06
		147	1132.98	332.71	-66.37	162.91	103.43	-197.31	137.79	-25.98	107.11	4.70	63.90
		473	1029.26	307.78	-87.09	117.27	103.43	-197.31	172.36	85.98	137.39	120.96	42.40
		185	598.11	182.57	-94.15	73.77	14.65	-135.17	80.57	27.78	38.95	69.41	-21.56
175	1	249	1472.35	378.67	-39.04	34.58	305.06	-159.15	225.34	125.87	177.98	173.23	-49.68
		252	1637.34	336.82	-40.54	20.32	275.97	-138.79	274.65	173.04	253.25	194.44	-41.42
		189	502.11	352.33	23.73	100.10	275.97	-138.79	39.62	-27.34	34.47	-22.19	-17.85
		41	569.17	395.23	24.17	114.35	305.06	-159.15	-15.97	-68.24	-40.81	-43.40	-26.10
175	2	249	1412.59	328.13	-33.78	28.58	265.78	-136.68	222.27	122.25	175.24	169.28	-49.92
		252	1592.23	306.70	-34.56	21.27	250.86	-126.24	269.35	165.64	245.74	189.25	-43.49
		189	468.85	320.04	20.49	89.66	250.86	-126.24	37.25	-30.00	32.77	-25.52	-16.77
		41	494.24	342.01	20.73	96.97	265.78	-136.68	-18.08	-65.14	-37.72	-45.49	-23.21
175	3	249	1373.16	313.03	-32.60	25.69	254.73	-129.42	218.30	116.88	174.53	160.66	-50.24
		252	1565.93	304.88	-32.90	22.91	249.06	-125.46	266.02	157.96	243.64	180.34	-43.79
		189	500.82	317.81	20.14	88.89	249.06	-125.46	40.13	-33.80	35.67	-29.35	-17.59
		41	483.43	326.16	20.23	91.67	254.73	-129.42	-15.98	-66.50	-33.44	-49.04	-24.03
175	4	249	1288.16	208.54	-13.71	20.76	174.07	-80.46	216.91	121.95	169.29	169.57	-47.48
		252	1534.59	249.03	-12.23	34.56	202.24	-100.18	262.73	164.62	237.53	189.82	-42.87
		189	459.73	254.97	11.93	64.66	202.24	-100.18	22.32	-36.73	21.22	-35.64	-7.97
		41	448.15	213.80	11.13	50.85	174.07	-80.46	-38.12	-64.80	-47.02	-55.89	-12.58
175	5	249	1426.56	298.73	-28.58	27.40	242.75	-123.24	228.08	136.78	178.33	186.53	-45.46
		252	1627.05	291.58	-28.83	24.96	237.78	-119.76	274.34	175.00	245.39	203.95	-45.14
		189	516.57	303.49	19.51	85.22	237.78	-119.76	7.50	-48.33	6.48	-47.30	-7.49
		41	578.43	310.81	19.60	87.66	242.75	-123.24	-54.57	-70.73	-60.58	-64.72	-7.81
175	6	249	1492.07	383.85	-41.65	37.48	304.72	-165.56	227.91	125.81	179.61	174.10	-50.98
		252	1648.61	325.54	-43.53	17.69	264.32	-137.28	278.07	173.76	255.32	196.52	-43.08
		189	495.33	343.28	25.64	104.60	264.32	-137.28	35.68	-31.02	32.79	-28.13	-13.58
		41	536.08	403.07	26.04	124.40	304.72	-165.56	-24.92	-68.54	-42.91	-50.55	-21.47
175	7	249	1424.61	362.41	-38.15	35.71	288.55	-155.34	218.39	120.79	172.24	166.94	-48.73
		252	1580.33	312.64	-39.77	18.81	254.06	-131.20	266.39	166.41	244.58	188.22	-41.29
		189	476.29	328.58	23.06	97.57	254.06	-131.20	34.16	-29.94	31.27	-27.05	-13.30
		41	508.94	379.58	23.45	114.47	288.55	-155.34	-23.64	-65.75	-41.07	-48.33	-20.74
175	8	249	1058.07	241.23	-25.18	19.36	196.69	-99.41	168.37	89.50	134.76	123.11	-39.01
		252	1208.12	236.79	-25.35	17.84	193.60	-97.24	205.29	121.32	188.26	138.35	-33.76
		189	387.19	246.71	15.56	68.68	193.60	-97.24	32.66	-25.43	28.89	-21.66	-14.31
		41	381.60	251.26	15.62	70.19	196.69	-99.41	-10.26	-51.25	-24.61	-36.90	-19.55
175	9	249	1031.93	261.46	-26.96	24.25	210.24	-110.22	158.53	88.69	125.20	122.02	-34.88
		252	1149.21	232.41	-27.98	14.37	190.06	-96.10	193.09	121.33	177.57	136.85	-29.55
		189	338.25	243.24	16.40	69.58	190.06	-96.10	25.88	-20.74	22.83	-17.69	-11.53
		41	381.29	273.01	16.70	79.47	210.24	-110.22	-14.09	-47.96	-29.54	-32.52	-16.87
175	10	249	976.69	224.98	-23.38	19.32	182.28	-93.71	154.59	83.72	123.28	115.03	-35.19
		252	1109.45	214.67	-23.75	15.81	175.11	-88.69	188.29	112.95	172.23	129.02	-30.86
		189	352.23	224.06	14.41	63.35	175.11	-88.69	26.21	-24.37	23.50	-21.67	-11.39
		41	343.78	234.62	14.52	66.86	182.28	-93.71	-14.02	-47.07	-25.44	-35.65	-15.72
175	11	249	1042.86	264.34	-28.42	25.87	210.05	-113.78	159.96	88.66	126.10	122.51	-35.60

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		252	1155.48	226.15	-29.65	12.90	183.59	-95.26	195.00	121.72	178.71	138.01	-30.47
		189	350.10	238.21	17.46	72.08	183.59	-95.26	23.77	-22.87	21.90	-20.99	-9.16
		41	378.66	277.37	17.73	85.05	210.05	-113.78	-19.01	-48.19	-30.71	-36.49	-14.30
176	1	261	646.98	243.60	31.89	80.87	194.62	-89.28	70.83	-20.55	49.04	1.24	-38.94
		264	898.18	447.54	33.13	148.34	332.32	-185.67	80.28	-18.05	51.02	11.21	-44.95
		193	898.91	437.60	4.89	110.17	332.32	-185.67	9.23	-79.77	6.71	-77.26	14.74
		149	801.60	235.88	1.43	42.69	194.62	-89.28	9.20	-91.70	4.73	-87.23	20.75
176	2	261	605.93	189.83	36.18	63.57	162.44	-58.81	72.75	-23.05	52.70	-3.00	-38.97
		264	869.03	413.42	38.97	138.02	314.37	-165.16	82.53	-19.98	54.96	7.58	-45.45
		193	944.37	401.78	2.27	89.68	314.37	-165.16	10.10	-90.97	6.74	-87.61	18.13
		149	837.64	183.05	-5.38	15.23	162.44	-58.81	10.07	-103.79	4.47	-98.19	24.61
176	3	261	620.65	189.32	34.64	63.20	160.77	-60.01	73.29	-27.49	54.07	-8.26	-39.60
		264	858.03	404.43	37.15	134.76	306.81	-162.25	80.23	-25.45	53.86	0.92	-45.73
		193	887.80	393.52	3.22	89.93	306.81	-162.25	18.17	-81.00	16.66	-79.48	12.17
		149	794.14	182.68	-3.55	18.37	160.77	-60.01	19.95	-91.75	16.87	-88.66	18.31
176	4	261	634.60	377.23	22.65	127.67	272.21	-161.89	47.19	-21.78	33.85	-8.44	-27.24
		264	808.21	488.95	22.76	164.45	347.26	-214.43	54.67	-23.00	34.12	-2.46	-34.26
		193	921.28	477.88	-4.74	125.88	347.26	-214.43	-8.22	-85.42	-10.48	-83.15	13.03
		149	888.66	366.64	-5.33	89.11	272.21	-161.89	-5.92	-93.96	-10.76	-89.13	20.05
176	5	261	629.80	335.99	14.50	111.03	239.45	-147.36	50.49	-35.97	40.54	-26.03	-27.59
		264	782.13	439.23	14.57	145.01	308.79	-195.90	55.88	-36.48	39.05	-19.66	-35.65
		193	1015.81	434.18	2.72	128.11	308.79	-195.90	-2.75	-108.47	-5.73	-105.49	17.50
		149	1002.97	331.10	2.49	94.13	239.45	-147.36	1.53	-117.62	-4.24	-111.85	25.57
176	6	261	744.98	371.29	10.75	122.40	259.64	-166.70	64.22	-28.93	48.25	-12.96	-35.11
		264	902.99	462.16	10.78	152.29	320.65	-209.40	72.79	-29.20	48.46	-4.88	-43.47
		193	1024.40	458.45	2.43	140.23	320.65	-209.40	-1.47	-106.45	-4.26	-103.66	16.89
		149	1029.58	367.64	2.34	110.34	259.64	-166.70	1.17	-117.39	-4.48	-111.74	25.25
176	7	261	707.32	352.62	13.11	116.65	249.08	-156.31	61.28	-26.58	45.44	-10.74	-33.77
		264	866.55	450.56	13.16	148.88	314.85	-202.35	69.30	-26.75	45.59	-3.04	-41.42
		193	960.19	445.74	2.04	132.93	314.85	-202.35	-0.03	-96.47	-2.43	-94.06	15.05
		149	953.47	347.91	1.87	100.71	249.08	-156.31	2.36	-106.70	-2.59	-101.75	22.69
176	8	261	476.57	135.80	27.73	45.20	118.33	-39.78	57.87	-20.87	42.20	-5.20	-31.43
		264	666.33	310.22	30.32	103.42	237.13	-122.95	63.15	-19.12	42.00	2.03	-35.96
		193	671.29	301.53	2.40	66.80	237.13	-122.95	15.78	-59.44	14.76	-58.42	8.69
		149	594.30	131.23	-4.32	8.58	118.33	-39.78	17.08	-67.77	14.97	-65.66	13.22
176	9	261	461.11	186.09	20.20	61.83	144.46	-71.92	48.22	-15.78	34.38	-1.94	-26.35
		264	624.69	315.31	20.74	104.50	231.55	-132.88	54.69	-14.42	35.52	4.75	-30.94
		193	654.65	308.86	3.15	80.46	231.55	-132.88	4.87	-60.88	2.99	-59.00	10.97
		149	598.56	180.66	1.59	37.79	144.46	-71.92	5.25	-69.09	1.84	-65.68	15.56
176	10	261	446.84	155.57	22.09	52.01	125.65	-55.66	49.71	-19.75	37.17	-7.21	-26.71
		264	603.35	291.31	23.03	96.95	217.38	-119.87	54.76	-18.63	37.10	-0.97	-31.37
		193	647.23	284.21	2.39	69.22	217.38	-119.87	9.81	-61.53	8.51	-60.23	9.54
		149	591.30	150.25	-0.32	24.27	125.65	-55.66	11.18	-69.07	8.58	-66.47	14.20
176	11	261	515.88	257.23	8.25	84.89	180.58	-114.93	44.70	-20.58	33.94	-9.82	-24.22
		264	628.42	323.48	8.27	106.69	225.07	-146.07	50.64	-20.73	34.10	-4.19	-30.11
		193	724.61	320.57	1.66	97.16	225.07	-146.07	-1.07	-75.70	-3.11	-73.66	12.17
		149	725.97	254.37	1.58	75.37	180.58	-114.93	0.80	-83.37	-3.28	-79.30	18.06
177	1	468	1509.62	564.64	-128.16	-23.44	459.92	-248.16	242.49	172.10	211.96	202.63	34.88
		249	1268.45	385.43	-139.48	-86.10	332.04	-158.65	178.63	108.63	127.18	160.08	-30.89
		41	719.46	412.98	21.03	101.97	332.04	-158.65	65.66	-16.37	64.71	-15.43	8.75
		147	1514.20	601.03	23.51	164.62	459.92	-248.16	184.73	-8.12	149.49	27.12	74.53
177	2	468	1464.22	515.26	-130.11	-18.50	403.66	-244.07	243.52	170.07	213.55	200.03	36.10
		249	1195.57	320.95	-139.65	-85.54	266.84	-148.30	174.96	102.03	122.25	154.74	-32.65
		41	670.79	355.42	18.55	107.12	266.84	-148.30	62.67	-22.94	61.96	-22.23	7.75
		147	1518.70	558.61	19.21	174.16	403.66	-244.07	188.61	-12.28	153.27	23.06	76.49
177	3	468	1421.26	510.75	-135.97	-16.46	391.23	-251.02	237.17	165.48	210.31	192.35	34.70
		249	1143.01	299.18	-144.96	-88.99	243.21	-147.40	169.14	98.48	121.49	146.13	-33.11
		41	644.29	339.13	16.71	112.63	243.21	-147.40	59.84	-28.29	59.72	-28.17	3.25
		147	1467.96	559.54	16.86	185.17	391.23	-251.02	179.76	-13.18	148.53	18.05	71.06
177	4	468	1475.01	523.59	-137.42	32.53	353.64	-288.89	255.34	159.99	207.33	208.00	47.67
		249	1035.21	172.34	-142.15	-84.54	114.73	-121.65	169.09	101.74	116.06	154.77	-27.56
		41	516.32	233.51	-9.86	108.92	114.73	-121.65	35.45	-43.68	34.84	-43.07	6.94
		147	1535.13	585.66	-6.04	225.99	353.64	-288.89	168.69	-32.43	126.10	10.16	82.17
177	5	468	1572.29	517.72	-120.87	-1.64	398.48	-248.85	278.79	167.27	227.59	218.47	55.57
		249	1185.56	289.79	-130.72	-79.83	238.91	-137.14	178.77	114.02	125.35	167.44	-24.60
		41	781.13	322.25	13.24	96.59	238.91	-137.14	54.99	-46.90	48.35	-40.26	25.15
		147	1792.48	559.46	13.80	174.78	398.48	-248.85	207.09	-45.72	150.59	10.78	105.32
177	6	468	1501.64	566.68	-117.41	-20.85	470.12	-238.18	239.91	171.49	212.93	198.47	33.44
		249	1288.29	401.19	-129.10	-79.12	351.21	-154.94	181.50	113.24	133.39	161.36	-31.14
		41	813.07	424.05	21.61	94.45	351.21	-154.94	68.68	-24.95	65.67	-21.95	16.50
		147	1583.62	597.63	25.21	152.72	470.12	-238.18	184.12	-23.74	145.22	15.16	81.07
177	7	468	1447.79	548.11	-115.51	-17.29	449.90	-235.65	232.10	164.39	204.41	192.09	33.29

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		249	1225.09	374.64	-126.99	-78.12	325.76	-148.76	173.39	107.84	126.71	154.52	-29.68
		41	754.30	398.60	21.94	94.78	325.76	-148.76	63.17	-24.33	60.88	-22.04	13.95
		147	1511.09	580.57	24.93	155.60	449.90	-235.65	175.56	-21.45	138.58	15.53	76.92
177	8	468	1093.81	394.68	-106.45	-13.18	301.42	-195.04	181.68	127.96	161.68	147.95	25.97
		249	885.81	229.61	-113.34	-69.73	186.00	-114.25	130.36	74.93	93.30	111.99	-26.10
		41	486.00	261.27	12.59	87.87	186.00	-114.25	46.17	-21.25	46.16	-21.24	0.89
		147	1115.62	433.16	12.68	144.42	301.42	-195.04	137.40	-8.14	114.55	14.72	52.96
177	9	468	1059.83	393.29	-88.95	-15.01	319.35	-173.75	171.93	120.46	150.02	142.37	25.45
		249	885.41	265.71	-96.84	-59.56	228.44	-110.11	125.44	77.05	89.95	112.54	-21.40
		41	517.29	285.21	14.86	71.63	228.44	-110.11	46.02	-14.01	45.00	-12.99	7.75
		147	1085.54	419.03	16.50	116.18	319.35	-173.75	131.14	-9.25	105.07	16.83	54.60
177	10	468	1010.85	363.30	-93.24	-11.14	281.19	-175.34	168.98	116.78	149.10	136.66	25.34
		249	815.38	217.76	-99.84	-61.17	179.08	-103.86	120.15	71.44	86.79	104.79	-22.63
		41	474.91	243.92	12.72	77.56	179.08	-103.86	42.57	-20.42	42.22	-20.07	4.70
		147	1059.88	395.81	12.97	127.59	281.19	-175.34	128.34	-12.01	104.54	11.79	52.67
177	11	468	1055.50	394.38	-82.93	-13.58	325.02	-168.21	170.50	120.11	150.56	140.05	24.64
		249	896.54	274.45	-91.05	-55.68	239.08	-108.05	127.04	79.61	93.39	113.25	-21.53
		41	569.57	291.25	15.29	67.46	239.08	-108.05	47.79	-18.87	45.53	-16.62	12.06
		147	1124.14	417.04	17.55	109.57	325.02	-168.21	130.81	-17.93	102.69	10.18	58.23
178	1	252	1785.08	328.24	-23.00	64.71	240.53	-152.03	254.85	20.99	132.40	143.44	-116.80
		273	1838.17	300.27	-23.23	55.43	221.61	-138.78	284.32	59.48	170.23	173.57	-112.41
		148	623.28	316.81	19.28	114.48	221.61	-138.78	69.33	0.63	62.24	7.72	-20.90
		189	576.51	345.00	19.29	123.75	240.53	-152.03	35.45	-33.46	24.40	-22.41	-25.29
178	2	252	1734.72	298.70	-20.78	58.92	218.99	-138.24	251.29	21.01	131.00	141.30	-115.02
		273	1792.73	271.72	-21.01	49.97	200.73	-125.46	279.95	56.08	165.72	170.31	-111.91
		148	583.06	286.66	17.53	103.46	200.73	-125.46	67.04	-0.31	60.94	5.80	-19.33
		189	530.16	313.86	17.54	112.41	218.99	-138.24	34.89	-31.89	26.22	-23.22	-22.45
178	3	252	1706.54	296.90	-20.63	58.62	217.66	-137.42	246.27	18.53	131.26	133.55	-113.87
		273	1762.60	269.51	-20.86	49.53	199.12	-124.44	274.25	52.11	164.60	161.76	-111.06
		148	595.08	284.29	17.32	102.50	199.12	-124.44	68.83	-4.89	62.83	1.10	-20.15
		189	545.42	311.92	17.32	111.58	217.66	-137.42	37.63	-35.24	29.49	-27.10	-22.95
178	4	252	1655.43	241.18	-13.07	51.81	176.30	-110.84	248.25	23.75	127.24	144.76	-111.91
		273	1713.98	197.40	-13.42	37.29	146.68	-90.11	277.58	54.20	159.15	172.63	-111.48
		148	434.54	207.65	13.50	74.46	146.68	-90.11	50.90	-7.69	47.57	-4.37	-13.55
		189	388.05	251.77	13.51	88.98	176.30	-110.84	19.44	-36.01	15.67	-32.23	-13.97
178	5	252	1776.04	284.07	-18.52	57.90	207.66	-131.47	262.62	27.72	131.87	158.47	-116.70
		273	1857.59	252.39	-18.77	47.39	186.22	-116.46	294.68	60.63	165.90	189.41	-116.44
		148	418.75	265.95	16.10	95.82	186.22	-116.46	46.63	-5.04	45.84	-4.25	-6.34
		189	432.56	297.88	16.10	106.33	207.66	-131.47	12.72	-36.10	11.81	-35.19	-6.60
178	6	252	1799.63	319.54	-22.45	65.07	232.02	-149.24	258.49	21.09	133.90	145.68	-118.55
		273	1855.33	289.66	-22.66	55.18	211.82	-135.10	289.25	61.13	173.04	177.34	-114.04
		148	584.63	305.40	16.78	110.35	211.82	-135.10	65.99	-0.70	61.18	4.11	-17.25
		189	535.07	335.49	16.78	120.25	232.02	-149.24	30.24	-35.75	22.04	-27.56	-21.77
178	7	252	1724.21	306.31	-21.21	62.33	222.77	-142.77	247.72	20.30	128.43	139.59	-113.58
		273	1777.65	277.00	-21.42	52.62	202.96	-128.89	277.10	58.08	165.53	169.66	-109.49
		148	561.07	292.02	16.41	105.47	202.96	-128.89	63.11	-1.26	58.30	3.56	-16.93
		189	514.01	321.54	16.41	115.18	222.77	-142.77	29.14	-34.44	21.20	-26.51	-21.01
178	8	252	1316.01	230.46	-16.06	45.31	169.08	-106.60	189.62	13.96	101.46	102.12	-87.83
		273	1358.11	209.40	-16.24	38.33	154.83	-96.62	211.00	39.79	127.10	123.70	-85.59
		148	469.89	220.91	13.56	79.65	154.83	-96.62	54.45	-3.78	49.39	1.28	-16.40
		189	432.57	242.15	13.56	86.63	169.08	-106.60	30.59	-27.14	23.76	-20.31	-18.64
178	9	252	1253.56	226.71	-15.79	45.03	165.89	-105.12	179.62	14.94	93.15	101.41	-82.24
		273	1292.65	206.78	-15.96	38.42	152.40	-95.68	200.56	41.78	119.59	122.75	-79.37
		148	422.85	218.11	13.09	78.79	152.40	-95.68	47.15	-0.11	42.87	4.17	-13.56
		189	388.18	238.21	13.09	85.40	165.89	-105.12	23.12	-23.88	16.43	-17.18	-16.43
178	10	252	1209.82	209.30	-14.48	41.64	153.18	-97.00	174.84	13.59	92.52	95.91	-80.61
		273	1250.56	189.68	-14.64	35.14	139.91	-87.71	194.95	37.70	116.46	116.19	-78.62
		148	407.54	200.05	11.99	72.13	139.91	-87.71	46.92	-3.23	43.20	0.49	-13.14
		189	371.46	219.83	12.00	78.64	153.18	-97.00	24.43	-24.97	19.25	-19.79	-15.13
178	11	252	1261.65	221.88	-15.49	45.23	161.16	-103.57	181.64	15.00	93.99	102.65	-83.21
		273	1302.18	200.88	-15.64	38.27	146.97	-93.63	203.30	42.70	121.15	124.85	-80.28
		148	401.70	211.77	11.69	76.50	146.97	-93.63	45.36	-0.93	42.28	2.15	-11.54
		189	365.55	232.92	11.69	83.45	161.16	-103.57	20.31	-25.23	15.12	-20.04	-14.47
179	1	264	896.67	465.06	22.41	139.81	347.66	-195.41	91.61	7.15	71.18	27.58	-36.17
		274	1239.18	764.08	23.28	238.43	548.92	-336.29	127.29	40.62	118.86	49.05	-25.68
		38	1130.72	719.54	-113.91	56.71	548.92	-336.29	14.18	-62.21	13.79	-61.82	5.40
		193	829.99	428.78	-123.03	-41.91	347.66	-195.41	-33.37	-83.81	-33.89	-83.29	-5.09
179	2	264	866.16	433.31	24.34	121.90	335.75	-174.31	93.53	3.14	73.96	22.71	-37.23
		274	1248.45	767.29	26.20	232.35	561.14	-332.08	135.79	40.70	129.26	47.23	-24.05
		38	1206.15	720.79	-129.64	30.00	561.14	-332.08	14.37	-71.94	13.78	-71.35	7.11
		193	872.70	399.10	-143.80	-80.44	335.75	-174.31	-40.84	-96.53	-41.51	-95.86	-6.07
179	3	264	846.04	423.39	23.31	119.03	327.68	-170.68	92.63	0.48	75.25	17.86	-36.05

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		274	1206.95	746.81	25.09	225.97	545.93	-323.46	128.64	30.96	121.30	38.30	-25.74
		38	1150.50	702.63	-121.75	34.95	545.93	-323.46	21.08	-66.00	21.01	-65.93	2.46
		193	837.38	390.65	-134.97	-72.00	327.68	-170.68	-24.05	-87.35	-25.04	-86.36	-7.85
179	4	264	810.11	502.21	20.55	171.98	350.77	-223.62	70.96	8.01	59.92	19.05	-23.94
		274	1045.00	672.82	20.58	228.10	465.30	-303.79	98.60	22.37	91.36	29.61	-22.34
		38	1027.11	632.06	-88.12	78.64	465.30	-303.79	-11.18	-79.58	-11.19	-79.58	0.50
		193	874.92	464.04	-90.74	22.52	350.77	-223.62	-42.61	-90.16	-42.63	-90.13	-1.10
179	5	264	776.02	450.37	13.49	155.17	308.69	-204.51	76.70	-1.82	69.05	5.83	-23.29
		274	1006.63	606.25	13.49	206.43	413.31	-277.74	102.75	8.08	95.87	14.96	-24.58
		38	1092.86	574.71	-64.65	96.75	413.31	-277.74	-7.98	-101.99	-8.16	-101.82	4.02
		193	966.11	420.28	-66.10	45.49	308.69	-204.51	-34.61	-111.31	-34.97	-110.94	5.31
179	6	264	897.82	473.58	11.52	168.22	316.88	-218.75	92.17	8.42	79.30	21.29	-30.21
		274	1128.79	615.88	11.53	215.02	412.38	-285.61	120.79	20.59	109.70	31.68	-31.44
		38	1064.93	584.63	-61.19	111.06	412.38	-285.61	-6.83	-99.19	-6.83	-99.19	0.42
		193	953.29	443.17	-62.03	64.26	316.88	-218.75	-37.19	-109.62	-37.23	-109.58	1.66
179	7	264	860.95	461.98	12.90	161.57	313.31	-211.33	87.11	8.43	74.34	21.21	-29.02
		274	1092.16	615.41	12.90	212.03	416.29	-283.42	114.52	21.45	104.19	31.78	-29.24
		38	1021.69	583.30	-64.67	102.34	416.29	-283.42	-4.06	-89.03	-4.06	-89.03	0.38
		193	895.00	431.09	-65.90	51.88	313.31	-211.33	-33.91	-99.61	-33.91	-99.60	0.61
179	8	264	656.43	325.70	18.39	89.24	254.85	-129.43	72.20	0.34	57.96	14.58	-28.64
		274	944.23	587.87	20.11	176.02	431.96	-253.40	100.04	25.20	94.25	30.98	-19.99
		38	890.00	553.03	-98.40	22.67	431.96	-253.40	18.60	-47.32	18.55	-47.28	1.73
		193	635.31	300.76	-110.02	-64.11	254.85	-129.43	-16.72	-64.70	-17.74	-63.68	-6.93
179	9	264	623.10	326.65	14.79	101.34	240.10	-139.64	63.72	4.73	51.01	17.43	-24.25
		274	850.25	517.66	15.17	164.28	368.55	-229.55	88.51	25.36	82.69	31.17	-18.26
		38	792.60	487.76	-73.46	45.76	368.55	-229.55	6.97	-49.83	6.76	-49.62	3.43
		193	605.46	301.32	-78.40	-17.18	240.10	-139.64	-24.74	-63.54	-24.91	-63.37	-2.55
179	10	264	596.12	303.26	15.54	89.79	229.00	-125.90	64.44	0.87	53.28	12.03	-24.18
		274	833.33	507.98	16.26	157.35	366.89	-222.42	89.27	19.98	84.04	25.20	-18.30
		38	803.26	478.18	-77.63	33.66	366.89	-222.42	10.82	-51.96	10.77	-51.90	1.80
		193	607.16	279.57	-84.47	-33.90	229.00	-125.90	-19.63	-65.44	-20.00	-65.08	-4.09
179	11	264	625.24	331.59	8.53	117.12	223.00	-152.61	64.24	5.22	55.53	13.94	-20.94
		274	790.75	435.43	8.54	151.27	292.69	-201.39	84.87	14.25	77.60	21.53	-21.46
		38	757.73	413.02	-44.38	75.95	292.69	-201.39	-4.69	-70.39	-4.70	-70.38	0.67
		193	674.53	309.88	-45.07	41.80	223.00	-152.61	-26.74	-78.00	-26.77	-77.97	1.19
180	1	274	1270.49	740.27	-113.08	288.02	339.17	-425.90	112.44	57.38	102.49	67.33	-21.19
		468	1192.79	576.51	-117.40	232.74	226.36	-346.94	109.02	29.69	58.39	80.32	-38.12
		147	963.50	590.25	-104.41	259.47	226.36	-346.94	86.94	-9.73	78.65	-1.44	27.05
		38	1402.18	753.04	-99.12	314.75	339.17	-425.90	135.64	-27.32	122.75	-14.43	43.98
180	2	274	1271.19	736.33	-120.75	278.53	337.04	-427.54	115.31	54.04	107.08	62.27	-20.90
		468	1146.45	536.24	-126.01	211.00	199.23	-331.07	107.76	32.08	62.48	77.35	-37.10
		147	994.90	555.23	-108.66	247.35	199.23	-331.07	95.75	-13.79	85.89	-3.93	31.35
		38	1469.12	753.64	-101.73	314.88	337.04	-427.54	144.33	-32.86	130.48	-19.02	47.56
180	3	274	1241.60	720.03	-115.96	275.07	329.01	-417.12	113.84	50.88	106.69	58.03	-19.98
		468	1128.06	539.40	-120.72	214.10	204.58	-330.02	101.91	27.08	59.11	69.88	-37.02
		147	959.50	549.97	-110.76	234.62	204.58	-330.02	92.69	-12.43	85.32	-5.06	26.84
		38	1428.99	729.76	-105.16	295.59	329.01	-417.12	144.81	-28.81	132.90	-16.90	43.88
180	4	274	1092.38	670.50	-86.26	283.06	301.18	-378.27	93.17	48.87	87.58	54.46	-14.71
		468	1073.73	581.03	-89.00	252.74	239.29	-334.95	88.80	20.40	38.62	70.58	-30.24
		147	1088.49	553.81	-117.42	197.09	239.29	-334.95	89.23	-21.58	71.82	-4.17	40.33
		38	1470.78	644.36	-115.77	227.41	301.18	-378.27	140.21	-39.73	120.77	-20.29	55.86
180	5	274	1042.38	605.17	-74.82	257.03	273.32	-339.90	101.30	42.41	97.87	45.84	-13.80
		468	1033.39	550.84	-76.42	238.64	235.79	-313.63	86.17	20.12	40.92	65.37	-30.68
		147	1198.29	538.31	-89.35	213.17	235.79	-313.63	105.33	-36.50	83.59	-14.76	51.10
		38	1604.38	592.98	-88.10	231.56	273.32	-339.90	163.85	-57.61	140.53	-34.28	67.98
180	6	274	1162.55	620.28	-69.03	271.29	279.96	-344.63	114.93	43.48	105.68	52.74	-23.99
		468	1163.78	583.85	-70.15	258.94	254.76	-326.99	109.52	39.75	69.44	79.83	-34.49
		147	1193.73	562.89	-92.24	215.90	254.76	-326.99	115.34	-21.81	96.27	-2.74	47.45
		38	1493.35	599.70	-91.50	228.25	279.96	-344.63	151.08	-48.39	132.51	-29.83	57.96
180	7	274	1127.63	617.53	-71.65	266.82	279.07	-344.54	108.83	44.13	100.27	52.70	-21.93
		468	1120.99	568.13	-73.14	250.08	244.91	-320.63	103.58	36.26	63.56	76.28	-33.05
		147	1120.16	548.97	-93.18	210.88	244.91	-320.63	106.28	-18.83	89.37	-1.92	42.77
		38	1425.97	598.84	-92.15	227.62	279.07	-344.54	143.29	-42.71	126.08	-25.50	53.90
180	8	274	970.99	565.06	-92.91	213.75	258.40	-328.23	88.27	40.52	82.52	46.27	-15.55
		468	878.77	416.68	-96.78	163.68	156.22	-256.70	79.28	20.05	45.26	54.07	-29.29
		147	715.97	426.99	-87.14	183.63	156.22	-256.70	69.18	-8.23	64.58	-3.62	18.31
		38	1088.83	574.51	-82.41	233.70	258.40	-328.23	110.28	-19.86	101.83	-11.42	32.06
180	9	274	873.06	504.45	-74.01	199.84	230.59	-288.82	78.87	38.00	72.53	44.34	-14.79
		468	825.04	403.86	-76.74	165.87	161.25	-240.29	75.44	22.13	42.05	55.52	-25.79
		147	716.91	408.87	-71.91	175.71	161.25	-240.29	65.83	-9.27	58.22	-1.66	22.67
		38	1010.23	509.15	-68.87	209.68	230.59	-288.82	98.85	-22.99	88.70	-12.84	33.66
180	10	274	857.95	493.20	-75.61	192.65	224.95	-283.94	79.78	34.26	74.86	39.17	-14.12

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		468	789.11	383.24	-78.58	155.51	149.15	-230.89	71.53	20.64	42.44	49.72	-25.18
		147	715.11	386.50	-75.45	161.90	149.15	-230.89	68.93	-10.67	61.92	-3.67	22.55
		38	1025.79	496.23	-72.25	199.04	224.95	-283.94	103.91	-23.78	94.34	-14.21	33.61
180	11	274	814.57	437.82	-49.57	190.55	197.70	-243.67	80.36	30.18	74.30	36.24	-16.35
		468	809.42	407.94	-50.48	180.42	177.03	-229.20	75.76	27.68	48.18	55.25	-23.78
		147	845.26	393.82	-65.30	151.50	177.03	-229.20	81.75	-16.12	68.01	-2.38	34.00
		38	1061.68	424.00	-64.68	161.63	197.70	-243.67	107.45	-34.71	94.13	-21.39	41.43
181	1	29	1654.62	117.11	-5.19	2.94	108.98	-30.46	179.82	-130.57	66.57	-17.32	-149.42
		275	1953.96	124.12	-4.31	5.53	114.28	-34.17	130.29	-230.35	-57.54	-42.52	-180.16
		252	1712.21	124.26	-2.70	7.28	114.28	-34.17	290.19	35.00	195.95	129.24	-123.16
		249	1952.24	117.23	-3.56	4.69	108.98	-30.46	361.34	113.15	320.06	154.43	-92.42
181	2	29	1615.21	114.63	-4.18	5.50	104.96	-32.49	175.37	-126.53	65.29	-16.46	-145.31
		275	1892.67	110.66	-4.63	4.04	101.99	-30.42	127.01	-223.28	-55.00	-41.27	-175.01
		252	1677.98	110.78	-3.18	5.61	101.99	-30.42	285.05	33.41	191.26	127.20	-121.68
		249	1916.03	114.76	-2.74	7.07	104.96	-32.49	353.53	110.03	311.55	152.01	-91.98
181	3	29	1610.68	119.34	-3.79	7.46	108.09	-35.48	173.82	-126.43	65.32	-17.93	-144.24
		275	1879.63	108.18	-5.01	3.39	99.78	-29.66	125.41	-222.60	-54.43	-42.76	-173.91
		252	1665.32	108.26	-3.97	4.51	99.78	-29.66	282.74	31.93	190.12	124.55	-121.04
		249	1908.89	119.45	-2.77	8.58	108.09	-35.48	351.24	108.02	309.87	149.38	-91.38
181	4	29	1619.20	134.97	-7.37	16.50	111.09	-53.18	175.19	-119.29	64.15	-8.26	-142.72
		275	1854.30	81.89	-10.53	-1.99	73.35	-26.76	129.00	-215.40	-53.55	-32.85	-171.89
		252	1653.54	82.79	-2.53	6.90	73.35	-26.76	283.02	35.55	186.74	131.83	-120.66
		249	1917.15	136.54	-0.05	25.40	111.09	-53.18	348.11	112.75	304.44	156.42	-91.49
181	5	29	1638.13	119.20	-5.11	7.91	106.18	-38.07	180.34	-122.91	65.57	-8.14	-147.08
		275	1907.86	104.65	-6.50	2.67	95.48	-30.58	132.52	-220.86	-55.13	-33.22	-176.35
		252	1732.26	105.00	-2.70	6.82	95.48	-30.58	296.20	39.71	195.23	140.68	-125.32
		249	1970.55	119.65	-1.41	12.07	106.18	-38.07	362.75	118.94	315.92	165.76	-96.04
181	6	29	1654.65	110.59	-6.25	0.38	103.96	-27.03	179.53	-132.24	66.65	-19.36	-149.83
		275	1956.78	126.08	-4.23	6.14	115.71	-35.26	129.39	-231.42	-57.24	-44.79	-180.30
		252	1735.60	126.35	-1.13	9.51	115.71	-35.26	293.10	33.56	197.17	129.49	-125.28
		249	1965.73	110.78	-3.08	3.75	103.96	-27.03	364.05	111.93	321.06	154.92	-94.82
181	7	29	1596.58	109.16	-5.98	1.36	101.82	-28.13	173.94	-125.95	64.64	-16.66	-144.33
		275	1885.10	119.94	-4.63	5.35	109.96	-33.82	126.11	-221.65	-54.45	-41.09	-173.75
		252	1667.42	120.28	-0.92	9.40	109.96	-33.82	281.74	32.66	189.25	125.15	-120.34
		249	1890.62	109.43	-2.19	5.41	101.82	-28.13	349.66	108.26	308.35	149.58	-90.92
181	8	29	1240.19	92.94	-2.78	6.05	84.11	-27.71	132.81	-98.49	49.82	-15.50	-110.94
		275	1447.14	83.38	-3.83	2.57	76.99	-22.73	95.15	-172.66	-42.80	-34.71	-133.84
		252	1281.26	83.42	-3.33	3.11	76.99	-22.73	217.51	24.27	146.64	95.14	-93.13
		249	1472.15	92.99	-2.29	6.59	84.11	-27.71	270.78	82.82	239.26	114.35	-70.23
181	9	29	1166.51	81.70	-3.75	2.07	75.88	-21.53	127.78	-90.76	47.50	-10.49	-105.36
		275	1375.64	86.26	-3.19	3.76	79.32	-23.93	93.26	-160.85	-39.41	-28.18	-126.93
		252	1208.90	86.39	-1.63	5.45	79.32	-23.93	204.90	24.75	137.82	91.84	-87.09
		249	1374.87	81.82	-2.17	3.76	75.88	-21.53	254.37	79.89	224.73	109.54	-65.52
181	10	29	1142.07	82.94	-2.96	4.59	75.39	-24.32	124.45	-88.46	46.81	-10.82	-102.48
		275	1334.28	77.40	-3.57	2.56	71.26	-21.43	90.54	-156.54	-37.68	-28.32	-123.46
		252	1182.82	77.50	-2.33	3.91	71.26	-21.43	200.77	23.05	134.58	89.23	-85.92
		249	1350.83	83.06	-1.74	5.93	75.39	-24.32	248.77	77.04	219.07	106.73	-64.94
181	11	29	1166.45	78.07	-4.32	0.65	73.09	-19.62	127.62	-91.69	47.55	-11.62	-105.59
		275	1377.18	87.35	-3.14	4.09	80.11	-24.54	92.76	-161.45	-39.24	-29.45	-127.01
		252	1221.89	87.56	-0.76	6.68	80.11	-24.54	206.52	23.95	138.50	91.97	-88.27
		249	1382.38	78.23	-1.89	3.24	73.09	-19.62	255.88	79.21	225.29	109.81	-66.85
182	1	144	1608.32	456.27	-23.63	160.65	271.99	-233.40	182.70	-13.94	56.12	112.64	-94.17
		276	1507.96	397.47	-23.85	141.24	232.38	-205.67	188.22	9.99	71.34	126.87	-84.68
		264	1321.20	383.49	-47.56	103.55	232.38	-205.67	166.78	30.64	76.07	121.35	-64.20
		261	1413.32	442.48	-47.53	122.96	271.99	-233.40	161.22	6.75	60.84	107.12	-73.69
182	2	144	1599.34	458.73	-22.95	164.96	270.82	-234.95	181.36	-12.96	58.73	109.67	-93.76
		276	1501.65	397.95	-23.23	144.88	229.84	-206.26	186.14	8.01	71.59	122.57	-85.34
		264	1324.94	378.46	-56.43	92.19	229.84	-206.26	167.18	29.66	78.14	118.70	-65.71
		261	1415.56	439.51	-56.42	112.27	270.82	-234.95	162.39	8.69	65.29	105.80	-74.13
182	3	144	1575.78	444.36	-22.31	159.47	262.58	-227.57	179.73	-13.19	58.79	107.75	-93.30
		276	1481.60	388.35	-22.56	140.97	224.82	-201.14	184.69	8.59	72.23	121.05	-84.60
		264	1300.47	369.86	-54.11	90.92	224.82	-201.14	165.00	30.36	78.47	116.89	-64.52
		261	1387.05	426.11	-54.10	109.42	262.58	-227.57	160.03	8.59	65.03	103.59	-73.22
182	4	144	1587.60	435.22	-26.68	145.50	263.04	-223.35	182.08	-14.82	50.01	117.26	-92.53
		276	1474.55	369.70	-26.84	123.90	218.96	-192.49	189.90	15.70	70.51	135.09	-80.89
		264	1225.84	370.89	-24.92	127.01	218.96	-192.49	156.73	34.84	69.75	121.82	-55.11
		261	1325.72	436.39	-24.73	148.61	263.04	-223.35	148.76	4.48	49.25	103.99	-66.75
182	5	144	1584.20	365.14	-22.15	120.42	222.57	-186.79	193.08	-15.52	57.32	120.25	-99.44
		276	1492.01	321.91	-22.24	106.17	193.50	-166.44	201.08	16.09	78.14	139.03	-87.34
		264	1227.52	324.48	-18.01	112.97	193.50	-166.44	166.34	38.90	79.15	126.09	-59.24
		261	1303.47	367.67	-17.89	127.21	222.57	-186.79	158.25	7.39	58.33	107.30	-71.34
182	6	144	1548.13	363.22	-22.63	117.23	223.36	-185.48	185.83	-18.16	57.87	109.80	-98.63

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		276	1449.15	325.02	-22.68	104.65	197.69	-167.51	192.09	13.54	78.34	127.29	-85.85
		264	1278.99	331.38	-12.20	121.50	197.69	-167.51	173.29	36.88	84.84	125.33	-65.13
		261	1361.82	369.50	-12.06	134.08	223.36	-185.48	166.99	5.21	64.37	107.84	-77.92
182	7	144	1503.97	365.92	-22.40	119.44	224.07	-186.98	178.68	-16.97	54.74	106.97	-94.28
		276	1407.54	325.90	-22.47	106.26	197.17	-168.15	184.84	13.13	74.24	123.72	-82.21
		264	1234.78	330.18	-15.40	117.61	197.17	-168.15	165.20	35.08	79.70	120.58	-61.76
		261	1316.51	370.14	-15.27	130.79	224.07	-186.98	158.99	5.03	60.20	103.83	-73.82
182	8	144	1215.20	349.57	-17.27	126.26	206.04	-179.03	137.66	-9.80	44.97	82.90	-71.25
		276	1141.89	305.19	-17.49	111.59	176.11	-158.08	141.26	6.38	54.88	92.76	-64.72
		264	1011.06	289.32	-44.63	68.58	176.11	-158.08	127.56	23.04	60.14	90.46	-50.02
		261	1078.93	333.91	-44.63	83.24	206.04	-179.03	123.96	6.87	50.23	80.59	-56.54
182	9	144	1129.62	309.15	-16.48	107.60	185.06	-158.14	129.87	-10.38	40.28	79.21	-67.36
		276	1060.07	270.21	-16.61	94.75	158.85	-139.78	134.01	7.43	51.66	89.78	-60.35
		264	919.60	262.79	-29.13	74.81	158.85	-139.78	117.48	22.37	54.68	85.17	-45.05
		261	982.51	301.83	-29.11	87.66	185.06	-158.14	113.31	4.58	43.30	74.60	-52.06
182	10	144	1111.58	302.52	-15.74	106.95	179.84	-154.90	128.23	-9.97	41.76	76.50	-66.88
		276	1045.46	265.13	-15.88	94.60	154.65	-137.26	132.06	6.64	52.15	86.55	-60.31
		264	908.18	255.19	-32.75	67.80	154.65	-137.26	116.51	22.20	56.01	82.69	-45.23
		261	968.05	292.71	-32.73	80.14	179.84	-154.90	112.67	5.59	45.62	72.64	-51.81
182	11	144	1096.23	257.46	-15.94	83.48	158.04	-131.52	131.62	-12.74	41.25	77.63	-69.85
		276	1027.43	229.98	-15.98	74.43	139.57	-118.58	136.17	9.39	55.55	90.02	-61.00
		264	896.49	233.88	-9.53	84.78	139.57	-118.58	121.12	25.82	59.56	87.38	-45.57
		261	954.10	261.32	-9.44	93.84	158.04	-131.52	116.54	3.72	45.26	75.00	-54.41
183	1	142	2308.18	186.08	-9.90	-8.49	184.67	16.53	430.10	272.56	415.05	287.61	46.32
		29	2366.54	194.44	-4.47	-3.96	193.93	10.04	448.61	192.82	447.69	193.74	-15.33
		249	1738.73	194.30	-77.67	-77.30	193.93	10.04	264.92	-12.42	199.91	52.58	-117.48
		468	1142.16	185.69	-82.86	-81.84	184.67	16.53	213.66	100.06	167.27	146.45	-55.83
183	2	142	2229.74	177.39	-12.48	-10.77	175.68	17.94	415.70	264.68	402.30	278.08	42.94
		29	2292.54	189.76	-4.40	-4.05	189.41	8.33	434.49	186.47	433.46	187.50	-15.92
		249	1696.49	189.68	-67.26	-66.99	189.41	8.33	261.49	-9.57	196.97	54.94	-115.44
		468	1136.91	176.96	-75.00	-73.71	175.68	17.94	213.15	98.19	165.81	145.53	-56.58
183	3	142	2202.99	176.36	-16.38	-13.93	173.92	21.59	411.27	260.76	398.76	273.27	41.55
		29	2269.82	195.20	-3.86	-3.62	194.96	6.85	429.68	182.44	428.54	183.59	-16.78
		249	1689.99	195.14	-63.68	-63.50	194.96	6.85	259.88	-10.95	196.06	52.86	-114.94
		468	1128.65	175.78	-75.68	-73.82	173.92	21.59	212.26	96.57	166.29	142.54	-56.61
183	4	142	2206.12	150.08	-41.34	-36.71	145.46	29.38	413.55	268.78	398.69	283.64	43.94
		29	2280.98	199.99	-10.51	-10.17	199.64	-8.55	432.89	195.28	432.18	195.99	-12.92
		249	1594.78	199.97	-20.46	-20.13	199.64	-8.55	259.89	2.31	197.77	64.42	-110.19
		468	1122.84	149.85	-51.07	-46.68	145.46	29.38	211.85	104.51	164.28	152.07	-53.32
183	5	142	2274.40	160.91	-22.86	-20.32	158.37	21.46	424.33	276.80	410.51	290.63	43.00
		29	2333.23	187.09	-6.26	-6.25	187.08	1.36	443.83	200.20	442.93	201.11	-14.83
		249	1684.41	187.09	-51.23	-51.22	187.08	1.36	272.74	7.31	207.75	72.30	-114.14
		468	1197.91	160.41	-67.33	-65.29	158.37	21.46	225.29	111.86	175.33	161.82	-56.31
183	6	142	2293.42	174.14	-8.98	-8.03	173.20	13.13	428.45	270.95	414.69	284.71	44.48
		29	2363.82	180.25	-5.15	-4.76	179.86	8.47	447.95	190.05	446.90	191.10	-16.42
		249	1751.46	180.14	-76.73	-76.45	179.86	8.47	268.61	-11.88	202.36	54.37	-119.14
		468	1162.90	173.88	-80.39	-79.71	173.20	13.13	218.35	99.77	170.14	147.98	-58.24
183	7	142	2210.47	168.87	-10.55	-9.48	167.80	13.82	412.70	262.23	399.29	275.64	42.87
		29	2277.42	177.42	-5.20	-4.91	177.13	7.29	431.74	184.86	430.74	185.87	-15.73
		249	1677.62	177.35	-71.48	-71.26	177.13	7.29	258.04	-10.40	194.59	53.05	-114.04
		468	1115.83	168.58	-76.62	-75.83	167.80	13.82	209.34	96.62	163.15	142.82	-55.44
183	8	142	1698.86	137.04	-12.91	-10.87	135.00	17.38	317.37	199.87	307.46	209.78	32.65
		29	1752.45	152.22	-2.72	-2.53	152.03	5.45	331.49	139.54	330.69	140.34	-12.34
		249	1305.35	152.18	-49.45	-49.30	152.03	5.45	199.99	-9.37	150.94	39.68	-88.68
		468	869.01	136.55	-59.21	-57.65	135.00	17.38	163.09	73.75	127.72	109.12	-43.69
183	9	142	1619.41	128.77	-7.39	-6.46	127.84	11.22	301.63	192.67	291.58	202.72	31.53
		29	1659.95	134.94	-3.43	-3.12	134.64	6.46	314.87	136.40	314.10	137.16	-11.64
		249	1220.98	134.86	-52.96	-52.74	134.64	6.46	187.19	-7.55	141.19	38.46	-82.72
		468	809.74	128.52	-56.76	-56.07	127.84	11.22	151.55	71.12	118.66	104.01	-39.54
183	10	142	1561.01	123.34	-10.96	-9.48	121.86	14.03	291.18	186.10	282.53	194.75	28.88
		29	1606.19	135.37	-3.09	-2.94	135.21	4.69	304.36	130.63	303.46	131.52	-12.45
		249	1193.92	135.33	-45.20	-45.07	135.21	4.69	184.39	-6.73	139.05	38.61	-81.30
		468	800.20	122.99	-52.74	-51.62	121.86	14.03	150.77	69.18	118.12	101.84	-39.98
183	11	142	1611.24	122.14	-6.88	-6.20	121.46	9.34	300.72	191.76	291.38	201.11	30.51
		29	1658.46	127.06	-3.81	-3.57	126.82	5.58	314.50	134.86	313.67	135.70	-12.25
		249	1228.13	127.00	-52.44	-52.27	126.82	5.58	189.24	-7.25	142.54	39.45	-83.64
		468	821.27	121.95	-55.39	-54.89	121.46	9.34	154.16	70.96	120.26	104.86	-40.88
184	1	275	1108.44	108.38	-8.63	13.61	86.15	-45.91	140.82	-53.65	80.58	6.59	-89.92
		143	1095.60	107.40	-8.66	13.27	85.47	-45.43	114.48	-82.99	44.69	-13.21	-94.39
		273	1789.61	114.23	13.71	42.47	85.47	-45.43	274.43	-15.06	145.33	114.04	-143.90
		252	1843.68	115.24	13.71	42.80	86.15	-45.91	298.95	16.10	181.21	133.83	-139.43
184	2	275	1074.13	96.42	-7.79	11.90	76.72	-40.80	137.46	-51.99	79.04	6.43	-87.49

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		143	1066.75	98.06	-7.75	12.46	77.85	-41.59	111.35	-81.76	43.22	-13.63	-92.28
		273	1753.59	104.28	12.39	38.82	77.85	-41.59	269.20	-16.17	141.63	111.40	-141.88
		252	1802.00	102.60	12.39	38.26	76.72	-40.80	293.47	15.45	177.46	131.46	-137.09
184	3	275	1067.30	94.05	-7.74	11.33	74.99	-39.71	136.29	-52.57	78.89	4.83	-86.86
		143	1062.15	98.49	-7.62	12.82	78.04	-41.85	110.10	-82.26	42.92	-15.08	-91.70
		273	1739.04	104.70	12.34	39.00	78.04	-41.85	266.93	-15.80	141.57	109.55	-140.46
		252	1785.32	100.16	12.33	37.50	74.99	-39.71	291.24	15.77	177.54	129.46	-135.62
184	4	275	1041.25	73.51	-6.84	9.69	56.99	-32.48	137.51	-46.24	77.66	13.61	-86.11
		143	1053.51	89.13	-6.58	14.91	67.64	-39.94	111.51	-78.40	40.44	-7.32	-91.90
		273	1739.12	94.55	8.36	35.26	67.64	-39.94	268.06	-15.20	137.55	115.31	-141.19
		252	1768.16	78.67	8.35	30.04	56.99	-32.48	292.27	18.74	174.76	136.25	-135.40
184	5	275	1077.71	92.27	-7.79	11.60	72.87	-39.55	141.31	-47.15	79.88	14.28	-88.33
		143	1083.10	99.22	-7.63	13.94	77.64	-42.89	114.54	-80.39	42.18	-8.03	-94.18
		273	1826.11	105.43	11.43	39.21	77.64	-42.89	279.30	-18.87	140.68	119.75	-148.72
		252	1862.88	98.33	11.42	36.87	72.87	-39.55	304.25	16.20	178.38	142.06	-142.88
184	6	275	1113.01	110.76	-8.98	13.62	88.17	-46.85	140.51	-55.14	81.05	4.32	-89.98
		143	1102.28	112.17	-8.94	14.10	89.13	-47.53	113.71	-84.83	44.89	-16.00	-94.49
		273	1813.72	119.29	14.21	44.37	89.13	-47.53	276.71	-17.02	146.31	113.39	-145.94
		252	1865.77	117.85	14.21	43.90	88.17	-46.85	301.61	14.57	182.47	133.71	-141.43
184	7	275	1074.30	105.51	-8.56	13.16	83.79	-44.79	136.43	-52.03	78.31	6.09	-87.04
		143	1065.24	106.94	-8.53	13.64	84.77	-45.47	110.80	-80.87	43.35	-13.42	-91.54
		273	1743.31	113.72	13.34	42.29	84.77	-45.47	266.29	-15.89	140.47	109.94	-140.26
		252	1792.16	112.26	13.34	41.81	83.79	-44.79	290.13	14.74	175.42	129.45	-135.76
184	8	275	818.31	72.37	-5.95	8.67	57.75	-30.52	103.86	-41.30	60.40	2.16	-66.48
		143	813.57	75.87	-5.86	9.85	60.16	-32.21	83.52	-64.00	32.69	-13.16	-70.11
		273	1336.62	80.65	9.55	30.05	60.16	-32.21	205.16	-12.15	109.32	83.69	-107.90
		252	1373.31	77.07	9.55	28.87	57.75	-30.52	224.01	12.04	137.04	99.01	-104.27
184	9	275	784.57	75.47	-6.04	9.48	59.95	-32.00	100.40	-37.00	57.23	6.17	-63.78
		143	777.22	75.33	-6.05	9.43	59.85	-31.94	81.94	-57.98	31.85	-7.89	-67.09
		273	1264.90	80.12	9.52	29.79	59.85	-31.94	193.92	-10.83	102.13	80.97	-101.83
		252	1301.10	80.26	9.52	29.84	59.95	-32.00	211.12	11.42	127.52	95.02	-98.52
184	10	275	761.58	67.51	-5.55	8.21	53.75	-28.56	97.87	-36.39	56.29	5.19	-62.08
		143	758.52	70.38	-5.47	9.18	55.73	-29.94	79.51	-57.57	30.86	-8.92	-65.59
		273	1236.78	74.82	8.77	27.86	55.73	-29.94	189.75	-11.24	100.04	78.47	-99.92
		252	1268.64	71.88	8.76	26.89	53.75	-28.56	206.83	11.24	125.48	92.59	-96.40
184	11	275	787.03	76.79	-6.24	9.48	61.07	-32.53	100.22	-37.81	57.50	4.91	-63.81
		143	780.85	77.98	-6.20	9.89	61.89	-33.10	81.51	-59.00	31.95	-9.44	-67.14
		273	1278.29	82.93	9.81	30.84	61.89	-33.10	195.19	-11.91	102.67	80.60	-102.96
		252	1313.36	81.71	9.80	30.44	61.07	-32.53	212.59	10.57	128.22	94.95	-99.63
185	1	276	1878.83	420.44	-44.99	215.62	159.82	-231.04	177.61	-103.31	-6.05	80.34	-133.65
		26	1416.34	210.89	-67.87	139.19	3.84	-121.85	190.92	-30.51	31.69	128.72	-99.52
		274	1063.53	187.69	-76.92	106.93	3.84	-121.85	183.61	98.91	110.35	172.18	-28.94
		264	1324.21	402.93	-59.75	183.36	159.82	-231.04	166.27	30.14	72.61	123.80	-63.07
185	2	276	1854.75	424.12	-44.98	223.85	155.29	-232.03	176.09	-99.28	-1.56	78.36	-131.76
		26	1371.92	195.49	-75.44	138.64	-18.59	-110.31	188.47	-28.78	34.19	125.50	-98.56
		274	1036.34	157.87	-87.55	88.91	-18.59	-110.31	182.84	101.84	114.16	170.52	-29.09
		264	1319.51	396.92	-67.52	174.11	155.29	-232.03	167.12	34.68	78.42	123.39	-62.29
185	3	276	1832.77	413.88	-43.94	217.92	152.02	-226.53	174.59	-98.30	-0.83	77.12	-130.76
		26	1361.53	193.96	-72.50	136.20	-14.75	-109.79	186.88	-27.89	35.13	123.86	-97.79
		274	1025.56	157.45	-84.75	87.46	-14.75	-109.79	180.13	100.11	112.86	167.38	-29.29
		264	1300.99	387.28	-66.09	169.17	152.02	-226.53	164.75	32.79	76.89	120.64	-62.25
185	4	276	1831.23	390.39	-45.80	192.49	152.09	-217.16	178.19	-98.24	-8.18	88.13	-129.55
		26	1460.29	239.55	-57.77	138.95	42.83	-140.68	192.78	-28.98	28.40	135.40	-97.12
		274	1069.20	237.61	-58.77	136.00	42.83	-140.68	177.99	92.45	100.52	169.93	-24.99
		264	1246.87	388.78	-47.15	189.54	152.09	-217.16	157.79	28.80	63.93	122.66	-57.43
185	5	276	1841.14	336.09	-38.87	160.04	137.17	-187.13	189.10	-97.06	-0.30	92.34	-135.38
		26	1505.08	212.58	-47.03	116.74	48.81	-125.28	203.15	-28.13	35.15	139.87	-103.11
		274	1110.94	219.13	-43.34	126.99	48.81	-125.28	186.44	99.38	110.31	175.51	-28.84
		264	1249.90	341.59	-34.13	170.29	137.17	-187.13	168.05	34.79	74.86	127.98	-61.11
185	6	276	1812.44	336.54	-39.09	154.75	142.69	-187.72	180.36	-100.42	-0.55	80.49	-134.42
		26	1486.25	222.25	-45.31	115.12	61.81	-131.10	191.53	-36.74	29.40	125.39	-103.55
		274	1143.69	237.92	-35.78	140.32	61.81	-131.10	187.65	100.50	115.43	172.71	-32.84
		264	1285.15	349.96	-27.32	179.95	142.69	-187.72	173.77	39.51	85.48	127.81	-63.70
185	7	276	1760.75	338.70	-38.91	158.46	141.32	-188.61	173.61	-97.46	-2.20	78.35	-129.41
		26	1429.09	216.33	-46.30	115.79	54.24	-127.65	184.97	-34.41	28.18	122.38	-99.06
		274	1092.07	227.48	-39.82	133.42	54.24	-127.65	179.90	96.26	109.49	166.68	-30.51
		264	1241.83	348.12	-30.71	176.09	141.32	-188.61	165.52	36.24	79.11	122.65	-60.86
185	8	276	1415.05	325.86	-34.45	172.87	118.54	-178.09	133.40	-76.52	-1.71	58.60	-100.54
		26	1038.78	149.42	-58.57	106.91	-16.06	-83.87	142.91	-21.34	26.66	94.90	-74.70
		274	787.50	117.33	-68.80	64.59	-16.06	-83.87	139.19	77.24	86.90	129.52	-22.48
		264	1010.92	302.74	-53.65	130.55	118.54	-178.09	127.20	24.54	58.52	93.22	-48.31
185	9	276	1317.48	285.02	-30.82	144.22	109.98	-156.99	126.57	-71.59	-2.46	57.44	-94.45

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		26	1011.11	148.59	-44.43	94.88	9.28	-86.50	135.77	-21.79	22.98	91.01	-71.06
		274	755.18	137.24	-49.19	78.77	9.28	-86.50	129.17	69.97	78.44	120.70	-20.73
		264	922.35	276.30	-38.20	128.12	109.98	-156.99	117.38	22.76	53.01	87.13	-44.13
185	10	276	1291.83	281.34	-30.19	145.50	105.65	-154.48	124.90	-68.81	0.44	55.65	-92.84
		26	980.49	138.77	-46.59	93.22	-1.05	-79.80	133.54	-20.34	24.89	88.31	-70.10
		274	734.16	120.39	-53.48	67.96	-1.05	-79.80	127.27	70.60	79.83	118.04	-20.93
		264	909.61	267.60	-41.71	120.24	105.65	-154.48	116.55	24.21	55.39	85.37	-43.67
185	11	276	1280.57	238.45	-27.58	110.41	100.47	-132.92	128.11	-70.00	0.59	57.52	-94.87
		26	1049.92	155.30	-32.30	81.51	41.49	-91.64	136.12	-25.25	21.70	89.16	-73.30
		274	799.78	165.20	-26.39	97.33	41.49	-91.64	131.45	70.81	81.26	121.00	-22.90
		264	901.07	246.89	-20.20	126.22	100.47	-132.92	121.57	27.94	60.15	89.35	-44.48
186	1	279	1127.80	178.15	-15.22	168.36	-5.43	-42.39	-18.15	-167.21	-140.87	-44.48	56.85
		399	1127.80	178.15	-15.22	168.36	-5.43	-42.39	-18.15	-167.21	-140.87	-44.48	56.85
		102	1127.80	178.15	-15.22	168.36	-5.43	-42.39	-18.15	-167.21	-140.87	-44.48	56.85
186	2	279	1107.04	189.49	-5.01	176.05	8.43	-49.33	-16.89	-161.59	-135.20	-43.28	55.87
		399	1107.04	189.49	-5.01	176.05	8.43	-49.33	-16.89	-161.59	-135.20	-43.28	55.87
		102	1107.04	189.49	-5.01	176.05	8.43	-49.33	-16.89	-161.59	-135.20	-43.28	55.87
186	3	279	1104.02	118.14	18.43	95.79	40.78	-41.58	-11.74	-171.27	-136.27	-46.75	66.02
		399	1104.02	118.14	18.43	95.79	40.78	-41.58	-11.74	-171.27	-136.27	-46.75	66.02
		102	1104.02	118.14	18.43	95.79	40.78	-41.58	-11.74	-171.27	-136.27	-46.75	66.02
186	4	279	1012.73	117.31	2.19	104.45	15.05	-36.26	-25.31	-160.74	-138.56	-47.48	50.12
		399	1012.73	117.31	2.19	104.45	15.05	-36.26	-25.31	-160.74	-138.56	-47.48	50.12
		102	1012.73	117.31	2.19	104.45	15.05	-36.26	-25.31	-160.74	-138.56	-47.48	50.12
186	5	279	1072.00	145.13	2.04	134.46	12.71	-37.59	-20.85	-164.77	-140.15	-45.47	54.20
		399	1072.00	145.13	2.04	134.46	12.71	-37.59	-20.85	-164.77	-140.15	-45.47	54.20
		102	1072.00	145.13	2.04	134.46	12.71	-37.59	-20.85	-164.77	-140.15	-45.47	54.20
186	6	279	1092.04	144.67	-1.73	136.69	6.25	-33.25	-18.09	-167.34	-140.59	-44.84	57.24
		399	1092.04	144.67	-1.73	136.69	6.25	-33.25	-18.09	-167.34	-140.59	-44.84	57.24
		102	1092.04	144.67	-1.73	136.69	6.25	-33.25	-18.09	-167.34	-140.59	-44.84	57.24
186	7	279	1083.83	124.60	-3.45	117.91	3.23	-28.48	-17.72	-169.03	-141.17	-45.58	58.65
		399	1083.83	124.60	-3.45	117.91	3.23	-28.48	-17.72	-169.03	-141.17	-45.58	58.65
		102	1083.83	124.60	-3.45	117.91	3.23	-28.48	-17.72	-169.03	-141.17	-45.58	58.65
186	8	279	853.23	92.23	15.06	73.27	34.02	-33.22	-8.56	-132.06	-104.56	-36.06	51.38
		399	853.23	92.23	15.06	73.27	34.02	-33.22	-8.56	-132.06	-104.56	-36.06	51.38
		102	853.23	92.23	15.06	73.27	34.02	-33.22	-8.56	-132.06	-104.56	-36.06	51.38
186	9	279	792.32	116.86	-8.62	110.37	-2.14	-27.78	-12.78	-118.95	-99.97	-31.76	40.68
		399	792.32	116.86	-8.62	110.37	-2.14	-27.78	-12.78	-118.95	-99.97	-31.76	40.68
		102	792.32	116.86	-8.62	110.37	-2.14	-27.78	-12.78	-118.95	-99.97	-31.76	40.68
186	10	279	778.49	82.68	10.90	70.05	23.53	-27.33	-9.25	-121.18	-97.41	-33.02	45.78
		399	778.49	82.68	10.90	70.05	23.53	-27.33	-9.25	-121.18	-97.41	-33.02	45.78
		102	778.49	82.68	10.90	70.05	23.53	-27.33	-9.25	-121.18	-97.41	-33.02	45.78
186	11	279	772.55	98.26	-1.13	92.78	4.35	-22.70	-12.75	-119.03	-99.81	-31.96	40.90
		399	772.55	98.26	-1.13	92.78	4.35	-22.70	-12.75	-119.03	-99.81	-31.96	40.90
		102	772.55	98.26	-1.13	92.78	4.35	-22.70	-12.75	-119.03	-99.81	-31.96	40.90
187	1	36	1.155e+04	69.36	-1680.28	-1657.50	46.58	198.34	57.72	-13.50	-11.42	55.64	-12.00
		39	1.162e+04	62.96	-1685.34	-1661.27	38.89	203.72	51.20	-22.55	-18.77	47.42	-16.27
		872	9408.00	64.92	-1555.63	-1529.60	38.89	203.72	23.31	-31.42	-22.99	14.87	-19.76
		871	9127.88	71.21	-1550.47	-1525.84	46.58	198.34	28.53	-21.07	-15.63	23.09	-15.50
187	2	36	1.269e+04	76.37	-1927.45	-1903.38	52.31	218.28	58.59	-14.68	-12.96	56.88	-11.07
		39	1.279e+04	69.68	-1932.64	-1907.29	44.33	223.86	51.05	-24.37	-21.27	47.95	-14.98
		872	1.042e+04	71.80	-1780.05	-1752.58	44.33	223.86	23.18	-32.27	-24.50	15.42	-19.24
		871	1.012e+04	78.38	-1774.75	-1748.67	52.31	218.28	29.50	-21.34	-16.20	24.35	-15.33
187	3	36	1.133e+04	66.77	-1635.78	-1614.01	44.99	191.31	57.72	-12.59	-10.69	55.81	-11.42
		39	1.141e+04	60.42	-1640.78	-1617.74	37.38	196.64	50.98	-21.89	-18.34	47.44	-15.68
		872	9093.84	62.69	-1490.46	-1465.15	37.38	196.64	23.13	-30.53	-22.35	14.95	-19.29
		871	8800.15	68.91	-1485.33	-1461.42	44.99	191.31	28.55	-19.92	-14.70	23.33	-15.03
187	4	36	1.135e+04	66.55	-1642.51	-1620.32	44.36	193.47	57.70	-12.63	-10.71	55.78	-11.46
		39	1.143e+04	60.99	-1646.90	-1623.59	37.68	198.14	50.99	-21.90	-18.33	47.42	-15.73
		872	9151.15	63.13	-1505.10	-1479.65	37.68	198.14	23.13	-30.57	-22.37	14.93	-19.32
		871	8857.89	68.59	-1500.60	-1476.38	44.36	193.47	28.53	-19.99	-14.76	23.29	-15.05
187	5	36	1.150e+04	68.38	-1672.59	-1650.11	45.90	196.53	57.79	-12.91	-11.00	55.87	-11.48
		39	1.157e+04	62.16	-1677.49	-1653.77	38.43	201.76	51.02	-22.20	-18.65	47.48	-15.72
		872	9332.21	64.13	-1545.65	-1519.95	38.43	201.76	23.15	-30.82	-22.64	14.97	-19.36
		871	9040.40	70.25	-1540.64	-1516.29	45.90	196.53	28.62	-20.23	-14.98	23.37	-15.13
187	6	36	1.157e+04	69.28	-1686.65	-1663.59	46.22	199.89	57.73	-13.53	-11.44	55.63	-12.05
		39	1.164e+04	63.36	-1691.33	-1667.07	39.11	204.87	51.22	-22.59	-18.79	47.42	-16.32
		872	9449.16	65.26	-1565.79	-1539.64	39.11	204.87	23.34	-31.47	-23.01	14.87	-19.81
		871	9168.37	71.08	-1561.01	-1536.16	46.22	199.89	28.56	-21.12	-15.66	23.09	-15.55
187	7	36	1.131e+04	66.50	-1632.12	-1609.90	44.28	192.99	57.66	-12.58	-10.65	55.73	-11.48
		39	1.138e+04	60.96	-1636.49	-1613.16	37.63	197.64	50.99	-21.82	-18.23	47.40	-15.76
		872	9140.10	62.97	-1503.80	-1478.46	37.63	197.64	23.13	-30.53	-22.31	14.91	-19.32
		871	8848.26	68.41	-1499.33	-1475.20	44.28	192.99	28.48	-19.97	-14.74	23.24	-15.04

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
187	8	36	8822.24	51.58	-1260.81	-1243.98	34.75	147.69	45.82	-9.47	-8.02	44.37	-8.83
		39	8882.45	46.67	-1264.68	-1246.86	28.86	151.81	40.43	-16.91	-14.17	37.69	-12.24
		872	7048.60	48.43	-1148.78	-1129.21	28.86	151.81	18.28	-23.74	-17.34	11.88	-15.10
		871	6811.01	53.24	-1144.82	-1126.33	34.75	147.69	22.61	-15.24	-11.19	18.56	-11.69
187	9	36	8057.01	48.61	-1183.82	-1167.85	32.65	139.35	39.49	-9.68	-8.21	38.02	-8.39
		39	8105.16	44.15	-1187.34	-1170.48	27.30	143.10	35.05	-15.83	-13.19	32.41	-11.28
		872	6581.23	45.57	-1093.45	-1075.17	27.30	143.10	16.00	-21.90	-16.07	10.17	-13.68
		871	6392.98	49.95	-1089.85	-1072.55	32.65	139.35	19.58	-14.88	-11.08	15.78	-10.80
187	10	36	7937.02	47.18	-1159.09	-1143.69	31.77	135.44	39.49	-9.18	-7.80	38.12	-8.07
		39	7989.01	42.75	-1162.58	-1146.29	26.46	139.16	34.93	-15.46	-12.95	32.42	-10.95
		872	6406.51	44.33	-1057.24	-1039.37	26.46	139.16	15.90	-21.41	-15.72	10.21	-13.41
		871	6210.55	48.67	-1053.66	-1036.76	31.77	135.44	19.59	-14.24	-10.56	15.91	-10.53
187	11	36	8069.48	48.57	-1187.35	-1171.23	32.45	140.21	39.50	-9.70	-8.22	38.02	-8.42
		39	8118.29	44.38	-1190.66	-1173.70	27.42	143.73	35.06	-15.85	-13.20	32.41	-11.30
		872	6604.13	45.76	-1099.09	-1080.75	27.42	143.73	16.02	-21.93	-16.08	10.17	-13.71
		871	6415.52	49.88	-1095.71	-1078.28	32.45	140.21	19.59	-14.91	-11.10	15.77	-10.82
188	1	33	1.279e+04	69.48	-1929.58	-1924.67	64.57	98.94	56.34	-15.54	-14.16	54.95	-9.88
		36	1.298e+04	37.06	-1949.65	-1941.93	29.34	123.60	49.65	-25.72	-22.73	46.66	-14.72
		871	1.076e+04	37.72	-1795.59	-1787.22	29.34	123.60	21.26	-33.26	-26.68	14.69	-17.75
		870	1.038e+04	69.89	-1775.28	-1769.96	64.57	98.94	26.70	-21.83	-18.11	22.98	-12.91
188	2	33	1.414e+04	86.20	-2206.82	-2202.60	81.97	98.39	57.78	-17.14	-15.78	56.42	-10.00
		36	1.438e+04	38.31	-2235.89	-2227.90	30.32	134.54	50.19	-28.46	-25.72	47.45	-14.44
		871	1.188e+04	39.10	-2030.81	-2022.03	30.32	134.54	21.95	-34.95	-28.36	15.36	-18.21
		870	1.144e+04	86.61	-2001.37	-1996.72	81.97	98.39	28.39	-22.48	-18.43	24.34	-13.77
188	3	33	1.253e+04	67.46	-1876.36	-1871.71	62.81	94.97	56.47	-14.60	-13.32	55.19	-9.45
		36	1.292e+04	35.63	-1896.02	-1888.64	28.25	119.16	49.60	-25.01	-22.19	46.77	-14.25
		871	1.040e+04	36.37	-1721.23	-1713.12	28.25	119.16	21.22	-32.33	-25.90	14.79	-17.40
		870	1.000e+04	67.92	-1701.30	-1696.19	62.81	94.97	26.84	-20.65	-17.04	23.22	-12.59
188	4	33	1.256e+04	66.71	-1885.19	-1880.28	61.79	97.84	56.44	-14.64	-13.36	55.16	-9.46
		36	1.275e+04	36.17	-1904.13	-1896.55	28.59	121.08	49.59	-25.02	-22.18	46.75	-14.28
		871	1.048e+04	36.87	-1741.68	-1733.40	28.59	121.08	21.21	-32.37	-25.94	14.78	-17.41
		870	1.008e+04	67.16	-1722.49	-1717.13	61.79	97.84	26.80	-20.73	-17.11	23.19	-12.60
188	5	33	1.273e+04	68.51	-1919.33	-1914.44	63.62	98.44	56.54	-14.98	-13.67	55.24	-9.56
		36	1.292e+04	36.73	-1939.00	-1931.37	29.09	122.61	49.65	-25.41	-22.57	46.80	-14.34
		871	1.068e+04	37.38	-1784.32	-1776.03	29.09	122.61	21.28	-32.70	-26.25	14.82	-17.52
		870	1.028e+04	68.92	-1764.40	-1759.10	63.62	98.44	26.93	-21.02	-17.36	23.27	-12.73
188	6	33	1.282e+04	69.06	-1937.70	-1932.62	63.98	100.86	56.35	-15.58	-14.18	54.95	-9.92
		36	1.301e+04	37.45	-1957.32	-1949.47	29.59	124.92	49.67	-25.76	-22.75	46.66	-14.77
		871	1.082e+04	38.08	-1809.55	-1801.07	29.59	124.92	21.29	-33.31	-26.71	14.69	-17.80
		870	1.043e+04	69.46	-1789.70	-1784.22	63.98	100.86	26.72	-21.88	-18.14	22.98	-12.96
188	7	33	1.251e+04	66.51	-1874.38	-1869.45	61.58	97.63	56.38	-14.57	-13.29	55.10	-9.44
		36	1.270e+04	36.12	-1893.24	-1885.65	28.53	120.77	49.56	-24.91	-22.07	46.71	-14.27
		871	1.046e+04	36.78	-1739.71	-1731.46	28.53	120.77	21.17	-32.29	-25.88	14.75	-17.38
		870	1.007e+04	66.93	-1720.62	-1715.27	61.58	97.63	26.73	-20.69	-17.10	23.14	-12.55
188	8	33	9747.10	52.10	-1446.61	-1443.02	48.50	73.30	44.85	-11.01	-10.05	43.89	-7.25
		36	9896.68	27.52	-1461.80	-1456.10	21.81	91.98	39.35	-19.32	-17.15	37.18	-11.08
		871	8054.76	28.09	-1326.84	-1320.57	21.81	91.98	16.77	-25.10	-20.09	11.76	-13.59
		870	7734.62	52.45	-1311.44	-1307.49	48.50	73.30	21.26	-15.78	-13.00	18.48	-9.76
188	9	33	8936.48	48.76	-1358.87	-1355.43	45.32	69.58	38.53	-11.12	-10.13	37.53	-6.96
		36	9063.39	26.02	-1372.95	-1367.53	20.61	86.88	33.98	-18.07	-15.97	31.88	-10.26
		871	7536.34	26.49	-1262.25	-1256.37	20.61	86.88	14.61	-23.23	-18.66	10.04	-12.33
		870	7273.92	49.06	-1248.00	-1244.26	45.32	69.58	18.32	-15.45	-12.82	15.70	-9.04
188	10	33	8791.16	47.64	-1329.31	-1326.00	44.33	67.38	38.60	-10.60	-9.66	37.67	-6.73
		36	8923.17	25.23	-1343.15	-1337.92	20.00	84.41	33.95	-17.68	-15.66	31.94	-10.00
		871	7334.40	25.74	-1220.94	-1215.20	20.00	84.41	14.59	-22.72	-18.23	10.10	-12.14
		870	7063.47	47.96	-1206.90	-1203.28	44.33	67.38	18.40	-14.79	-12.22	15.83	-8.87
188	11	33	8952.74	48.53	-1363.39	-1359.84	44.98	70.65	38.54	-11.15	-10.14	37.53	-6.99
		36	9080.45	26.24	-1377.21	-1371.72	20.75	87.61	33.99	-18.09	-15.98	31.88	-10.28
		871	7567.79	26.69	-1270.01	-1264.06	20.75	87.61	14.63	-23.26	-18.67	10.04	-12.36
		870	7304.90	48.82	-1256.02	-1252.18	44.98	70.65	18.33	-15.48	-12.84	15.70	-9.07
189	1	30	1.320e+04	79.08	-2014.46	-2014.46	79.07	-1.61	54.99	-15.59	-14.84	54.24	-7.22
		33	1.346e+04	15.09	-2047.20	-2046.27	14.16	43.83	48.02	-26.73	-24.54	45.83	-12.60
		870	1.117e+04	15.18	-1859.98	-1858.96	14.16	43.83	19.35	-33.13	-28.24	14.46	-15.25
		869	1.070e+04	79.08	-1827.15	-1827.15	79.07	-1.61	25.10	-20.78	-18.54	22.87	-9.87
189	2	30	1.454e+04	91.11	-2292.03	-2291.92	91.01	-16.12	56.48	-17.43	-16.44	55.49	-8.51
		33	1.490e+04	17.01	-2329.00	-2328.45	16.46	36.06	49.00	-29.95	-27.56	46.60	-13.53
		870	1.223e+04	17.08	-2066.41	-2065.79	16.46	36.06	20.65	-35.45	-29.95	15.14	-16.69
		869	1.168e+04	91.13	-2029.38	-2029.26	91.01	-16.12	27.00	-21.80	-18.83	24.03	-11.67
189	3	30	1.292e+04	76.29	-1956.55	-1956.55	76.29	-2.03	55.19	-14.67	-13.97	54.49	-6.97
		33	1.318e+04	14.57	-1988.09	-1987.22	13.70	41.78	48.07	-26.01	-23.92	45.97	-12.29
		870	1.079e+04	14.67	-1782.62	-1781.65	13.70	41.78	19.41	-32.24	-27.40	14.57	-15.05
		869	1.031e+04	76.29	-1750.98	-1750.97	76.29	-2.03	25.30	-19.67	-17.46	23.09	-9.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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189	4	30	1.296e+04	75.91	-1967.64	-1967.64	75.91	0.95	55.16	-14.72	-14.02	54.46	-6.96
		33	1.322e+04	14.89	-1999.00	-1998.02	13.91	44.34	48.05	-26.03	-23.94	45.95	-12.29
		870	1.090e+04	14.99	-1810.25	-1809.17	13.91	44.34	19.39	-32.28	-27.45	14.56	-15.04
		869	1.042e+04	75.91	-1778.79	-1778.79	75.91	0.95	25.28	-19.73	-17.53	23.07	-9.71
189	5	30	1.313e+04	77.95	-2002.89	-2002.89	77.95	-0.80	55.27	-15.06	-14.34	54.54	-7.12
		33	1.340e+04	14.99	-2035.15	-2034.20	14.05	43.93	48.12	-26.47	-24.34	45.99	-12.42
		870	1.109e+04	15.09	-1850.19	-1849.15	14.05	43.93	19.50	-32.67	-27.77	14.60	-15.21
		869	1.061e+04	77.95	-1817.84	-1817.84	77.95	-0.80	25.42	-20.04	-17.77	23.15	-9.91
189	6	30	1.324e+04	78.43	-2024.45	-2024.45	78.43	0.71	55.00	-15.62	-14.87	54.25	-7.26
		33	1.350e+04	15.40	-2056.82	-2055.82	14.40	45.53	48.03	-26.77	-24.57	45.83	-12.64
		870	1.124e+04	15.50	-1878.83	-1877.73	14.40	45.53	19.38	-33.18	-28.27	14.47	-15.30
		869	1.077e+04	78.43	-1846.36	-1846.36	78.43	0.71	25.13	-20.82	-18.57	22.88	-9.92
189	7	30	1.291e+04	75.62	-1957.50	-1957.50	75.62	1.06	55.10	-14.65	-13.96	54.41	-6.89
		33	1.317e+04	14.88	-1988.72	-1987.74	13.91	44.26	48.00	-25.91	-23.82	45.92	-12.23
		870	1.088e+04	14.98	-1807.85	-1806.77	13.91	44.26	19.33	-32.18	-27.38	14.54	-14.97
		869	1.040e+04	75.62	-1776.54	-1776.53	75.62	1.06	25.20	-19.69	-17.52	23.03	-9.63
189	8	30	1.004e+04	58.83	-1508.67	-1508.67	58.82	-1.52	43.86	-11.08	-10.56	43.35	-5.28
		33	1.025e+04	11.27	-1532.98	-1532.30	10.59	32.24	38.16	-20.09	-18.49	36.56	-9.51
		870	8352.70	11.34	-1374.14	-1373.39	10.59	32.24	15.34	-25.00	-21.25	11.59	-11.72
		869	7970.34	58.83	-1349.76	-1349.76	58.82	-1.52	20.06	-15.00	-13.32	18.38	-7.49
189	9	30	9222.77	55.55	-1418.24	-1418.24	55.55	-1.05	37.59	-11.16	-10.60	37.03	-5.16
		33	9403.56	10.60	-1441.25	-1440.59	9.94	30.88	32.86	-18.79	-17.23	31.30	-8.83
		870	7822.85	10.66	-1307.88	-1307.16	9.94	30.88	13.30	-23.17	-19.75	9.88	-10.64
		869	7502.27	55.55	-1284.81	-1284.81	55.55	-1.05	17.22	-14.72	-13.12	15.62	-6.97
189	10	30	9063.59	54.00	-1386.07	-1386.07	54.00	-1.28	37.70	-10.65	-10.12	37.17	-5.02
		33	9249.21	10.31	-1408.41	-1407.79	9.68	29.74	32.88	-18.39	-16.89	31.38	-8.66
		870	7612.63	10.38	-1264.90	-1264.20	9.68	29.74	13.34	-22.68	-19.28	9.94	-10.53
		869	7284.34	54.01	-1242.49	-1242.49	54.00	-1.28	17.33	-14.11	-12.52	15.74	-6.89
189	11	30	9243.47	55.19	-1423.79	-1423.79	55.19	0.24	37.59	-11.18	-10.62	37.04	-5.19
		33	9425.29	10.77	-1446.60	-1445.90	10.08	31.82	32.86	-18.81	-17.25	31.30	-8.85
		870	7865.08	10.84	-1318.35	-1317.58	10.08	31.82	13.32	-23.20	-19.77	9.88	-10.67
		869	7543.74	55.19	-1295.48	-1295.48	55.19	0.24	17.24	-14.75	-13.14	15.62	-7.00
190	1	27	1.282e+04	98.29	-1943.62	-1938.58	93.24	-101.36	53.83	-13.78	-13.53	53.58	-4.09
		30	1.313e+04	-0.04	-1985.24	-1984.60	-0.68	-35.61	46.39	-25.81	-24.42	44.99	-9.94
		869	1.063e+04	0.05	-1740.14	-1739.41	-0.68	-35.61	17.62	-31.10	-27.77	14.29	-12.30
		298	1.009e+04	98.98	-1699.12	-1693.39	93.24	-101.36	23.90	-17.91	-16.89	22.88	-6.45
190	2	27	1.395e+04	114.16	-2171.74	-2164.50	106.92	-128.45	55.15	-15.40	-14.83	54.59	-6.28
		30	1.435e+04	-2.72	-2219.97	-2218.80	-3.89	-50.88	47.52	-28.90	-27.00	45.62	-11.90
		869	1.157e+04	-2.53	-1915.63	-1914.28	-3.89	-50.88	19.20	-33.66	-29.25	14.79	-14.62
		298	1.096e+04	115.27	-1868.34	-1859.98	106.92	-128.45	25.66	-18.98	-17.08	23.76	-9.01
190	3	27	1.253e+04	93.15	-1885.33	-1880.59	88.40	-96.76	54.05	-12.95	-12.71	53.81	-4.01
		30	1.285e+04	0.11	-1924.77	-1924.15	-0.51	-34.52	46.51	-25.13	-23.76	45.14	-9.80
		869	1.027e+04	0.21	-1668.76	-1668.05	-0.51	-34.52	17.75	-30.30	-26.94	14.39	-12.26
		298	9725.54	93.85	-1629.93	-1624.48	88.40	-96.76	24.10	-16.93	-15.88	23.05	-6.46
190	4	27	1.259e+04	94.64	-1898.58	-1893.99	90.04	-95.59	54.06	-12.99	-12.76	53.82	-3.99
		30	1.290e+04	0.07	-1938.87	-1938.34	-0.46	-32.24	46.49	-25.17	-23.81	45.13	-9.78
		869	1.040e+04	0.15	-1701.45	-1700.84	-0.46	-32.24	17.75	-30.34	-26.99	14.39	-12.25
		298	9857.72	95.26	-1661.71	-1656.49	90.04	-95.59	24.13	-16.97	-15.93	23.09	-6.46
190	5	27	1.275e+04	97.05	-1931.87	-1926.98	92.17	-99.44	54.14	-13.31	-13.05	53.88	-4.21
		30	1.307e+04	-0.04	-1973.07	-1972.46	-0.65	-34.47	46.57	-25.61	-24.20	45.16	-9.98
		869	1.057e+04	0.04	-1734.43	-1733.74	-0.65	-34.47	17.87	-30.74	-27.30	14.43	-12.48
		298	1.002e+04	97.71	-1693.80	-1688.26	92.17	-99.44	24.26	-17.26	-16.15	23.15	-6.70
190	6	27	1.286e+04	97.90	-1955.44	-1950.64	93.10	-99.12	53.87	-13.81	-13.56	53.61	-4.14
		30	1.318e+04	0.08	-1997.07	-1996.50	-0.48	-33.61	46.40	-25.88	-24.47	44.99	-9.99
		869	1.072e+04	0.16	-1764.37	-1763.73	-0.48	-33.61	17.67	-31.17	-27.80	14.30	-12.37
		298	1.019e+04	98.51	-1723.28	-1717.87	93.10	-99.12	23.97	-17.93	-16.89	22.93	-6.52
190	7	27	1.254e+04	94.32	-1889.97	-1885.39	89.74	-95.19	54.01	-12.93	-12.70	53.78	-3.88
		30	1.285e+04	0.10	-1930.11	-1929.57	-0.43	-32.07	46.44	-25.05	-23.71	45.10	-9.69
		869	1.038e+04	0.18	-1699.01	-1698.41	-0.43	-32.07	17.68	-30.24	-26.93	14.37	-12.15
		298	9841.22	94.92	-1659.41	-1654.22	89.74	-95.19	24.06	-16.93	-15.92	23.05	-6.34
190	8	27	9740.29	71.65	-1453.95	-1450.31	68.01	-74.43	42.99	-9.75	-9.59	42.83	-2.95
		30	9988.58	0.12	-1484.29	-1483.81	-0.35	-26.58	36.95	-19.40	-18.38	35.92	-7.54
		869	7955.33	0.19	-1286.48	-1285.93	-0.35	-26.58	14.04	-23.48	-20.89	11.45	-9.51
		298	7520.85	72.19	-1256.61	-1252.43	68.01	-74.43	19.13	-12.88	-12.11	18.35	-4.92
190	9	27	8951.47	69.11	-1368.03	-1364.50	65.57	-71.19	36.77	-9.88	-9.68	36.57	-3.03
		30	9170.42	-0.04	-1397.31	-1396.87	-0.49	-24.94	31.72	-18.15	-17.14	30.71	-7.03
		869	7446.36	0.02	-1224.08	-1223.57	-0.49	-24.94	12.12	-21.78	-19.41	9.76	-8.63
		298	7076.66	69.59	-1195.22	-1191.20	65.57	-71.19	16.38	-12.71	-11.96	15.62	-4.63
190	10	27	8790.09	66.25	-1335.65	-1332.28	62.89	-68.63	36.89	-9.42	-9.22	36.70	-2.99
		30	9013.58	0.04	-1363.72	-1363.28	-0.39	-24.34	31.79	-17.77	-16.77	30.79	-6.95
		869	7250.98	0.11	-1184.43	-1183.93	-0.39	-24.34	12.19	-21.33	-18.95	9.81	-8.61
		298	6874.39	66.75	-1156.78	-1152.92	62.89	-68.63	16.49	-12.17	-11.40	15.72	-4.64

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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190	11	27	8978.03	68.89	-1374.60	-1371.20	65.50	-69.94	36.79	-9.90	-9.70	36.59	-3.05
		30	9198.00	0.03	-1403.88	-1403.48	-0.38	-23.83	31.72	-18.18	-17.17	30.71	-7.06
		869	7500.80	0.08	-1237.54	-1237.08	-0.38	-23.83	12.15	-21.81	-19.43	9.77	-8.67
		298	7130.08	69.34	-1208.64	-1204.80	65.50	-69.94	16.42	-12.73	-11.96	15.65	-4.67
191	1	348	310.43	8.20	-378.08	4.66	-374.54	-36.81	8.73	-54.43	-20.98	-24.73	31.52
		349	408.86	7.14	-541.95	4.66	-539.48	-36.81	20.20	-49.66	-12.32	-17.14	34.85
		97	600.34	-120.03	-542.71	-123.26	-539.48	-36.81	2.49	-120.49	-16.41	-101.59	44.35
		575	505.68	-117.98	-379.82	-123.26	-374.54	-36.81	-8.37	-125.87	-25.06	-109.18	41.02
191	2	348	306.62	-36.18	-387.71	-37.52	-386.37	-21.69	10.06	-55.36	-24.33	-20.97	32.67
		349	403.53	-36.61	-555.86	-37.52	-554.95	-21.69	21.47	-50.23	-15.03	-13.74	35.84
		97	606.06	-109.54	-556.01	-110.60	-554.95	-21.69	0.93	-118.01	-19.33	-97.74	44.72
		575	508.54	-108.91	-388.07	-110.60	-386.37	-21.69	-10.39	-123.22	-28.63	-104.98	41.54
191	3	348	302.83	-67.39	-383.32	-70.54	-380.17	-31.41	12.25	-57.73	-30.53	-14.95	34.11
		349	404.62	-68.49	-549.76	-70.54	-547.70	-31.41	23.46	-51.28	-20.12	-7.70	36.85
		97	580.03	-83.66	-549.83	-85.78	-547.70	-31.41	-1.50	-113.33	-25.00	-89.83	45.56
		575	483.63	-82.47	-383.48	-85.78	-380.17	-31.41	-13.47	-119.02	-35.40	-97.09	42.82
191	4	348	327.04	-72.56	-385.10	-75.11	-382.56	-28.09	0.65	-42.49	-5.34	-36.49	14.92
		349	430.90	-73.44	-548.94	-75.11	-547.27	-28.09	11.04	-40.34	1.78	-31.08	19.75
		97	667.51	-73.13	-548.94	-74.79	-547.27	-28.09	5.40	-125.66	-0.13	-120.13	26.35
		575	562.43	-72.25	-385.10	-74.79	-382.56	-28.09	-3.45	-129.33	-7.25	-125.53	21.53
191	5	348	322.74	-65.30	-381.12	-67.89	-378.52	-28.52	-0.13	-41.56	-6.11	-35.58	14.56
		349	425.56	-66.18	-544.08	-67.89	-542.37	-28.52	10.38	-39.08	1.20	-29.90	19.23
		97	658.19	-74.77	-544.11	-76.51	-542.37	-28.52	4.64	-124.00	-0.94	-118.42	26.19
		575	554.43	-73.84	-381.19	-76.51	-378.52	-28.52	-4.37	-127.97	-8.24	-124.10	21.52
191	6	348	319.15	-63.62	-379.69	-66.78	-376.54	-31.42	-0.63	-41.05	-6.71	-34.97	14.44
		349	421.49	-64.70	-542.56	-66.78	-540.48	-31.42	9.94	-38.38	0.69	-29.14	19.01
		97	653.31	-73.09	-542.60	-75.21	-540.48	-31.42	4.05	-123.00	-1.60	-117.36	26.17
		575	549.94	-71.97	-379.78	-75.21	-376.54	-31.42	-5.05	-127.14	-9.00	-123.19	21.61
191	7	348	319.42	-72.40	-380.44	-75.17	-377.68	-29.07	-0.47	-41.23	-6.39	-35.31	14.36
		349	421.89	-73.37	-543.69	-75.17	-541.89	-29.07	10.09	-38.66	0.99	-29.57	18.99
		97	657.76	-69.14	-543.68	-70.92	-541.89	-29.07	4.35	-123.49	-1.19	-117.95	26.03
		575	553.78	-68.19	-380.41	-70.92	-377.68	-29.07	-4.72	-127.54	-8.57	-123.69	21.40
191	8	348	241.71	-48.69	-295.50	-51.55	-292.65	-26.38	9.47	-47.86	-25.98	-12.42	27.85
		349	315.85	-49.65	-419.13	-51.55	-417.23	-26.38	18.56	-42.20	-17.25	-6.39	29.89
		97	458.66	-64.35	-419.20	-66.32	-417.23	-26.38	-2.75	-94.17	-21.78	-75.13	37.12
		575	388.28	-63.29	-295.68	-66.32	-292.65	-26.38	-12.57	-99.10	-30.51	-81.17	35.08
191	9	348	219.86	-8.27	-271.40	-10.50	-269.18	-24.10	4.71	-35.26	-12.46	-18.09	19.79
		349	292.36	-8.97	-390.27	-10.50	-388.74	-24.10	12.71	-32.44	-6.66	-13.08	22.35
		97	428.53	-78.40	-390.61	-80.27	-388.74	-24.10	2.18	-82.32	-8.97	-71.16	28.60
		575	357.77	-77.25	-272.20	-80.27	-269.18	-24.10	-5.22	-85.73	-14.78	-76.17	26.04
191	10	348	202.08	-50.28	-274.31	-52.28	-272.30	-21.10	6.17	-36.59	-17.77	-12.66	21.23
		349	273.03	-50.98	-394.61	-52.28	-393.31	-21.10	14.10	-32.92	-10.99	-7.83	23.46
		97	416.89	-58.12	-394.64	-59.45	-393.31	-21.10	-0.40	-77.98	-13.75	-64.63	29.28
		575	344.84	-57.38	-274.37	-59.45	-272.30	-21.10	-8.52	-81.46	-20.52	-69.46	27.04
191	11	348	225.51	-48.18	-272.29	-50.19	-270.29	-21.10	-0.06	-28.25	-4.53	-23.78	10.30
		349	299.95	-48.88	-390.61	-50.19	-389.30	-21.10	7.35	-26.52	0.57	-19.74	13.54
		97	459.07	-52.25	-390.62	-53.58	-389.30	-21.10	3.37	-84.04	-0.75	-79.92	18.50
		575	383.80	-51.54	-272.32	-53.58	-270.29	-21.10	-2.98	-86.83	-5.85	-83.96	15.26
192	1	351	405.85	412.13	-169.77	305.60	-63.24	225.03	42.74	-32.89	-27.45	37.29	19.54
		71	1001.66	341.95	-1087.72	305.60	-1051.38	225.03	71.52	-22.84	-10.55	59.22	31.76
		462	1004.06	283.27	-1089.32	245.33	-1051.38	225.03	53.73	-69.22	2.42	-17.91	60.62
		349	538.41	363.89	-181.80	245.33	-63.24	225.03	22.88	-77.20	-14.48	-39.84	48.41
192	2	351	386.47	341.69	-207.42	200.77	-66.49	239.84	47.34	-34.99	-28.19	40.55	22.65
		71	977.95	244.55	-1113.18	200.77	-1069.40	239.84	75.08	-25.43	-11.95	61.60	34.26
		462	1002.55	245.79	-1113.14	202.05	-1069.40	239.84	54.69	-70.16	-0.08	-15.40	61.95
		349	548.48	342.65	-207.09	202.05	-66.49	239.84	24.96	-77.73	-16.32	-36.45	50.35
192	3	351	399.45	271.02	-226.85	109.27	-65.10	233.17	52.27	-38.69	-30.13	43.71	26.56
		71	943.95	153.98	-1106.80	109.27	-1062.09	233.17	77.49	-29.88	-15.49	63.10	36.59
		462	965.25	213.74	-1104.70	171.13	-1062.09	233.17	54.07	-70.31	-6.05	-10.19	62.16
		349	534.57	314.39	-208.37	171.13	-65.10	233.17	27.19	-77.46	-20.69	-29.58	52.13
192	4	351	325.33	265.53	-231.11	99.94	-65.52	234.13	23.66	-13.15	-9.19	19.70	11.41
		71	842.96	145.32	-1108.13	99.94	-1062.75	234.13	45.70	-7.34	4.81	33.55	22.29
		462	977.44	213.09	-1105.72	170.12	-1062.75	234.13	41.74	-48.55	17.64	-24.45	39.94
		349	466.95	314.40	-209.81	170.12	-65.52	234.13	18.50	-53.17	3.64	-38.30	29.06
192	5	351	319.82	271.83	-224.31	112.44	-64.92	231.68	23.15	-13.13	-9.69	19.71	10.63
		71	844.29	156.72	-1099.71	112.44	-1055.43	231.68	44.81	-6.91	4.22	33.68	21.26
		462	968.61	217.94	-1097.59	175.79	-1055.43	231.68	40.56	-47.39	16.69	-23.52	39.10
		349	461.68	316.51	-205.64	175.79	-64.92	231.68	17.52	-52.24	2.78	-37.50	28.47
192	6	351	315.48	270.84	-221.89	113.27	-64.31	229.81	23.06	-13.28	-10.17	19.94	10.18
		71	846.62	156.82	-1099.29	113.27	-1055.74	229.81	44.57	-6.72	3.76	34.09	20.68
		462	965.61	219.38	-1097.15	177.96	-1055.74	229.81	39.93	-46.88	16.02	-22.97	38.78
		349	458.21	316.61	-202.95	177.96	-64.31	229.81	16.89	-51.92	2.09	-37.12	28.27

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
192	7	351	316.53	257.68	-231.25	91.09	-64.66	231.73	23.40	-13.07	-9.89	20.22	10.28
		71	840.25	136.08	-1102.50	91.09	-1057.52	231.73	45.03	-6.57	4.11	34.36	20.90
		462	966.36	211.75	-1099.82	169.45	-1057.52	231.73	40.35	-47.16	16.50	-23.30	38.97
		349	458.99	312.01	-207.22	169.45	-64.66	231.73	17.21	-52.15	2.50	-37.44	28.35
192	8	351	313.35	211.52	-170.70	89.49	-48.66	178.19	42.68	-31.85	-24.84	35.67	21.76
		71	735.34	123.33	-848.82	89.49	-814.99	178.19	62.64	-24.84	-13.36	51.16	29.53
		462	744.00	165.09	-847.38	132.70	-814.99	178.19	43.14	-56.87	-6.26	-7.47	50.00
		349	418.29	241.95	-157.92	132.70	-48.66	178.19	21.96	-62.66	-17.74	-22.96	42.23
192	9	351	262.48	265.86	-130.29	182.23	-46.66	161.67	27.37	-20.36	-16.80	23.81	12.54
		71	685.89	209.46	-777.65	182.23	-750.42	161.67	46.60	-13.75	-5.28	38.13	20.96
		462	708.07	189.83	-778.22	162.03	-750.42	161.67	35.93	-45.36	3.85	-13.28	39.73
		349	370.94	250.11	-134.73	162.03	-46.66	161.67	15.24	-50.50	-7.66	-27.60	31.32
192	10	351	270.99	189.57	-164.10	73.15	-47.69	166.19	32.67	-23.59	-18.29	27.37	16.44
		71	654.86	105.21	-788.43	73.15	-756.38	166.19	49.93	-17.67	-8.03	40.28	23.64
		462	685.86	151.24	-786.81	120.81	-756.38	166.19	35.87	-45.71	-0.85	-8.99	40.58
		349	367.59	222.89	-149.77	120.81	-47.69	166.19	17.31	-50.33	-11.11	-21.91	33.39
192	11	351	225.45	189.45	-161.33	75.37	-47.25	164.32	16.45	-9.47	-7.20	14.17	7.34
		71	601.48	106.79	-784.26	75.37	-752.85	164.32	31.72	-4.87	2.67	24.17	14.80
		462	687.13	154.37	-782.61	124.61	-752.85	164.32	28.49	-33.17	11.41	-16.09	27.59
		349	326.46	224.11	-146.76	124.61	-47.25	164.32	12.15	-36.69	1.55	-26.09	20.13
193	1	349	506.31	262.83	-534.12	256.02	-527.32	-73.32	3.04	-51.53	-18.14	-30.35	26.59
		462	424.43	264.01	-416.97	256.02	-408.98	-73.32	24.49	-23.64	8.45	-7.60	22.68
		99	432.75	-151.14	-429.83	-171.99	-408.98	-73.32	22.70	-96.91	-5.94	-68.27	51.04
		97	550.11	-157.45	-541.85	-171.99	-527.32	-73.32	0.48	-124.02	-32.53	-91.01	54.95
193	2	349	487.31	216.17	-546.32	212.35	-542.51	-53.83	3.84	-51.39	-20.53	-27.02	27.43
		462	400.12	216.89	-426.30	212.35	-421.76	-53.83	24.93	-22.94	6.56	-4.57	23.28
		99	441.62	-142.65	-432.15	-153.03	-421.76	-53.83	22.00	-94.77	-8.18	-64.59	51.12
		97	558.45	-145.73	-549.81	-153.03	-542.51	-53.83	-0.13	-122.18	-35.27	-87.03	55.27
193	3	349	477.02	187.79	-541.08	181.64	-534.93	-66.67	5.13	-51.94	-25.97	-20.84	28.42
		462	401.24	188.97	-424.35	181.64	-417.01	-66.67	25.54	-22.67	1.66	1.22	24.11
		99	417.15	-110.60	-431.52	-125.11	-417.01	-66.67	20.58	-91.03	-13.21	-57.25	51.28
		97	531.77	-114.53	-545.50	-125.11	-534.93	-66.67	-1.25	-118.90	-40.84	-79.30	55.59
193	4	349	549.24	186.30	-541.06	180.71	-535.47	-63.53	5.09	-49.31	0.91	-45.13	14.48
		462	464.60	187.39	-423.02	180.71	-416.33	-63.53	21.21	-30.79	19.05	-28.63	10.37
		99	491.77	-120.25	-429.97	-133.89	-416.33	-63.53	13.32	-100.62	4.05	-91.35	31.15
		97	598.19	-124.07	-545.28	-133.89	-535.47	-63.53	-2.32	-119.63	-14.09	-107.85	35.26
193	5	349	543.90	192.27	-536.47	186.40	-530.61	-65.12	3.93	-48.04	-0.10	-44.00	13.91
		462	460.57	193.40	-419.89	186.40	-412.90	-65.12	20.38	-29.22	18.36	-27.20	9.80
		99	483.14	-120.24	-427.39	-134.73	-412.90	-65.12	12.79	-98.75	3.42	-89.37	30.95
		97	589.29	-124.29	-541.04	-134.73	-530.61	-65.12	-3.12	-118.10	-15.05	-106.17	35.06
193	6	349	540.49	195.44	-535.31	188.77	-528.65	-69.48	3.12	-47.24	-0.87	-43.25	13.62
		462	457.64	196.72	-419.09	188.77	-411.15	-69.48	19.82	-28.16	17.87	-26.21	9.49
		99	477.85	-117.07	-427.56	-133.49	-411.15	-69.48	12.45	-97.63	2.93	-88.11	30.94
		97	584.26	-121.63	-540.51	-133.49	-528.65	-69.48	-3.69	-117.27	-15.81	-105.15	35.06
193	7	349	539.30	186.45	-536.28	180.23	-530.05	-66.80	3.53	-47.52	-0.40	-43.59	13.61
		462	455.81	187.66	-419.86	180.23	-412.42	-66.80	20.17	-28.57	18.25	-26.65	9.47
		99	482.36	-114.06	-427.38	-129.01	-412.42	-66.80	12.60	-98.20	3.26	-88.86	30.79
		97	588.51	-118.18	-540.88	-129.01	-530.05	-66.80	-3.47	-117.72	-15.40	-105.80	34.93
193	8	349	372.53	146.46	-412.54	141.35	-407.43	-53.22	4.28	-42.70	-22.02	-16.41	23.32
		462	310.96	147.52	-318.14	141.35	-311.98	-53.22	20.22	-19.33	-0.17	1.06	19.76
		99	330.16	-83.38	-324.37	-95.77	-311.98	-53.22	14.00	-76.50	-12.74	-49.75	41.29
		97	422.50	-86.93	-416.26	-95.77	-407.43	-53.22	-3.18	-98.63	-34.59	-67.22	44.85
193	9	349	365.03	173.68	-384.62	169.17	-380.11	-49.98	1.47	-34.43	-10.20	-22.76	16.81
		462	307.62	174.46	-303.31	169.17	-298.02	-49.98	16.12	-15.84	7.68	-7.40	14.09
		99	309.01	-103.27	-310.85	-116.10	-298.02	-49.98	15.36	-65.36	-2.12	-47.88	33.25
		97	389.58	-106.95	-389.26	-116.10	-380.11	-49.98	0.34	-83.58	-20.01	-63.23	35.97
193	10	349	329.76	131.99	-388.49	127.84	-384.34	-46.28	1.87	-33.90	-14.56	-17.47	17.83
		462	270.42	132.77	-307.41	127.84	-302.49	-46.28	15.93	-14.52	3.91	-2.50	14.88
		99	300.05	-80.40	-312.13	-90.05	-302.49	-46.28	13.86	-61.78	-6.16	-41.76	33.38
		97	379.07	-82.94	-391.45	-90.05	-384.34	-46.28	-0.97	-80.39	-24.63	-56.72	36.32
193	11	349	384.29	136.24	-385.28	131.81	-380.85	-47.85	2.25	-32.79	-0.61	-29.92	9.60
		462	326.53	137.06	-304.48	131.81	-299.23	-47.85	14.34	-19.16	12.91	-17.74	6.76
		99	335.52	-84.07	-309.87	-94.71	-299.23	-47.85	9.89	-65.99	2.80	-58.90	22.08
		97	409.85	-86.92	-388.64	-94.71	-380.85	-47.85	-1.77	-80.04	-10.72	-71.09	24.92
194	1	352	481.74	52.08	-475.44	-42.74	-380.63	-202.55	41.33	-52.93	6.50	-18.09	45.50
		355	471.14	61.87	-434.91	-42.74	-330.30	-202.55	14.52	-74.85	-29.30	-31.04	44.67
		157	426.40	24.93	-445.79	-90.57	-330.30	-202.55	-32.47	-95.88	-39.26	-89.10	19.60
		549	448.59	13.52	-484.72	-90.57	-380.63	-202.55	1.89	-81.50	-3.46	-76.16	20.42
194	2	352	485.83	14.14	-486.35	-81.08	-391.13	-196.44	41.69	-53.94	2.72	-14.96	46.99
		355	470.79	24.44	-446.81	-81.08	-341.30	-196.44	15.96	-75.92	-31.93	-28.03	45.90
		157	415.45	24.00	-446.94	-81.64	-341.30	-196.44	-34.29	-91.37	-42.52	-83.14	20.05
		549	434.70	13.69	-486.45	-81.64	-391.13	-196.44	-1.36	-76.57	-7.87	-70.07	21.14

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
194	3	352	501.94	-11.76	-496.99	-118.01	-390.75	-200.66	41.27	-56.20	-4.86	-10.06	48.67
		355	482.26	0.87	-456.71	-118.01	-337.83	-200.66	18.48	-76.85	-35.85	-22.52	47.19
		157	392.23	51.36	-441.29	-52.10	-337.83	-200.66	-35.17	-86.42	-47.41	-74.17	21.85
		549	410.91	41.13	-483.98	-52.10	-390.75	-200.66	-6.56	-71.58	-16.42	-61.72	23.33
194	4	352	389.83	-12.91	-495.25	-119.40	-388.76	-200.06	32.59	-41.15	21.15	-29.71	26.70
		355	367.04	-0.75	-456.72	-119.40	-338.07	-200.06	-0.28	-59.71	-16.76	-43.23	26.60
		157	516.05	52.07	-440.66	-50.51	-338.07	-200.06	-24.50	-104.59	-24.50	-104.59	0.58
		549	552.25	42.33	-481.60	-50.51	-388.76	-200.06	13.41	-91.07	13.40	-91.07	0.68
194	5	352	385.26	-8.02	-487.59	-111.83	-383.79	-197.50	31.91	-40.39	20.33	-28.82	26.51
		355	363.49	3.70	-449.49	-111.83	-333.97	-197.50	-0.55	-58.87	-17.22	-42.20	26.35
		157	508.80	49.47	-435.70	-52.26	-333.97	-197.50	-25.16	-103.50	-25.16	-103.49	0.63
		549	543.74	39.82	-475.87	-52.26	-383.79	-197.50	12.40	-90.13	12.39	-90.12	0.79
194	6	352	386.68	-6.37	-487.43	-111.63	-382.18	-198.89	31.49	-40.00	19.72	-28.23	26.51
		355	365.10	5.49	-449.36	-111.63	-332.24	-198.89	-0.71	-58.49	-17.66	-41.53	26.31
		157	506.49	52.61	-435.02	-50.17	-332.24	-198.89	-25.73	-102.74	-25.73	-102.74	0.73
		549	541.23	42.89	-475.23	-50.17	-382.18	-198.89	11.66	-89.44	11.65	-89.43	0.93
194	7	352	384.73	-13.90	-488.83	-119.28	-383.46	-197.34	31.46	-40.15	19.95	-28.64	26.30
		355	362.10	-1.82	-450.82	-119.28	-333.35	-197.34	-0.74	-58.51	-17.32	-41.93	26.13
		157	508.64	53.97	-433.90	-46.58	-333.35	-197.34	-25.29	-103.12	-25.29	-103.11	0.55
		549	544.10	44.43	-474.47	-46.58	-383.46	-197.34	11.98	-89.83	11.98	-89.82	0.72
194	8	352	398.53	-2.09	-381.15	-89.69	-293.56	-159.78	32.21	-46.69	-6.10	-8.38	39.43
		355	384.81	7.11	-353.44	-89.69	-256.64	-159.78	15.07	-62.15	-29.24	-17.84	38.19
		157	313.95	44.86	-341.32	-39.82	-256.64	-159.78	-29.13	-74.09	-39.30	-63.92	18.82
		549	325.24	37.33	-370.71	-39.82	-293.56	-159.78	-7.57	-63.04	-16.16	-54.46	20.06
194	9	352	326.11	23.03	-342.97	-43.18	-276.76	-140.89	27.89	-34.44	7.01	-13.56	29.42
		355	316.36	30.46	-312.72	-43.18	-239.08	-140.89	8.03	-49.97	-19.01	-22.93	28.93
		157	306.59	18.83	-316.04	-58.13	-239.08	-140.89	-22.39	-64.34	-25.38	-61.35	10.79
		549	325.62	10.88	-345.77	-58.13	-276.76	-140.89	2.96	-54.29	0.64	-51.97	11.28
194	10	352	337.69	-12.53	-354.85	-84.99	-282.38	-139.84	27.36	-35.76	0.70	-9.10	31.18
		355	322.94	-3.45	-324.80	-84.99	-243.26	-139.84	9.99	-50.84	-22.65	-18.20	30.33
		157	287.43	33.82	-313.83	-36.76	-243.26	-139.84	-24.77	-58.19	-29.91	-53.06	12.05
		549	304.35	26.54	-345.68	-36.76	-282.38	-139.84	-2.55	-47.97	-6.56	-43.95	12.89
194	11	352	274.49	-9.54	-349.54	-81.45	-277.62	-138.85	22.83	-27.66	14.35	-19.19	18.87
		355	258.02	-0.88	-320.73	-81.45	-240.16	-138.85	-0.24	-41.06	-12.54	-28.77	18.73
		157	352.21	34.51	-310.35	-35.69	-240.16	-138.85	-17.86	-68.93	-17.86	-68.93	0.31
		549	378.19	27.50	-340.81	-35.69	-277.62	-138.85	9.04	-59.35	9.03	-59.35	0.45
195	1	356	525.90	596.32	-126.15	591.05	-120.88	-61.47	33.76	-42.48	-9.22	0.50	37.81
		363	527.49	596.32	-125.50	591.05	-120.23	-61.47	31.79	-43.13	-11.13	-0.21	37.06
		348	252.76	41.58	-143.58	18.23	-120.23	-61.47	23.11	-48.41	-15.06	-10.24	35.68
		355	255.17	41.50	-144.16	18.23	-120.88	-61.47	25.13	-47.82	-13.15	-9.54	36.43
195	2	356	499.13	519.87	-128.77	514.95	-123.84	-56.29	42.76	-45.83	-8.19	5.11	43.79
		363	509.20	519.87	-128.45	514.95	-123.52	-56.29	36.85	-50.27	-15.84	2.43	42.59
		348	259.98	4.57	-148.26	-20.17	-123.52	-56.29	27.28	-49.97	-20.73	-1.97	37.47
		355	262.18	4.52	-148.53	-20.17	-123.84	-56.29	33.10	-45.45	-13.07	0.72	38.66
195	3	356	476.55	417.83	-129.67	411.29	-123.13	-59.50	54.02	-50.72	-8.04	11.33	51.47
		363	493.89	417.84	-129.31	411.29	-122.76	-59.50	43.18	-60.15	-23.10	6.13	49.55
		348	285.43	-21.95	-157.88	-57.07	-122.76	-59.50	34.58	-54.18	-29.61	10.01	39.72
		355	288.53	-22.04	-158.15	-57.07	-123.13	-59.50	44.54	-43.88	-14.54	15.21	41.63
195	4	356	348.07	410.90	-129.66	404.53	-123.29	-58.30	16.69	-20.61	-0.18	-3.73	18.57
		363	348.81	410.92	-127.99	404.53	-121.61	-58.30	17.21	-21.53	-0.32	-4.00	19.29
		348	156.79	-23.28	-156.18	-57.85	-121.61	-58.30	10.65	-32.64	0.13	-22.12	18.57
		355	153.64	-23.72	-157.43	-57.85	-123.29	-58.30	10.21	-31.79	0.27	-21.85	17.85
195	5	356	352.90	420.10	-128.13	413.98	-122.01	-57.63	16.00	-20.36	-0.62	-3.75	18.11
		363	352.91	420.12	-126.59	413.98	-120.45	-57.63	16.60	-20.98	-0.48	-3.90	18.71
		348	153.44	-18.43	-153.00	-50.98	-120.45	-57.63	10.05	-32.10	-0.42	-21.63	18.21
		355	150.73	-18.80	-154.18	-50.98	-122.01	-57.63	9.47	-31.49	-0.55	-21.47	17.61
195	6	356	352.08	417.33	-127.90	410.95	-121.52	-58.65	15.67	-20.37	-0.99	-3.70	17.97
		363	351.78	417.35	-126.49	410.95	-120.09	-58.65	16.29	-20.83	-0.73	-3.81	18.49
		348	153.91	-17.29	-153.55	-50.74	-120.09	-58.65	9.67	-31.84	-0.91	-21.25	18.09
		355	151.51	-17.63	-154.62	-50.74	-121.52	-58.65	9.05	-31.37	-1.18	-21.14	17.57
195	7	356	340.94	399.35	-128.27	392.97	-121.89	-57.67	16.06	-20.22	-0.66	-3.50	18.08
		363	341.34	399.37	-126.77	392.97	-120.37	-57.67	16.48	-20.95	-0.74	-3.73	18.65
		348	153.34	-24.02	-154.89	-58.54	-120.37	-57.67	9.77	-31.64	-0.75	-21.12	18.03
		355	150.86	-24.42	-156.01	-58.54	-121.89	-57.67	9.39	-30.95	-0.67	-20.89	17.45
195	8	356	379.03	323.68	-98.70	318.49	-93.51	-46.52	44.81	-41.76	-6.71	9.76	42.50
		363	392.95	323.69	-98.08	318.49	-92.89	-46.52	35.62	-49.68	-19.44	5.39	40.80
		348	232.89	-13.91	-120.29	-41.31	-92.89	-46.52	29.07	-44.65	-25.11	9.53	32.53
		355	235.22	-14.07	-120.75	-41.31	-93.51	-46.52	37.43	-35.90	-12.38	13.91	34.23
195	9	356	345.63	393.13	-91.33	389.31	-87.51	-42.85	21.26	-26.68	-5.24	-0.17	23.83
		363	346.85	393.13	-90.89	389.31	-87.07	-42.85	20.17	-27.22	-6.42	-0.63	23.52
		348	161.79	17.27	-104.66	-0.33	-87.07	-42.85	13.98	-31.20	-8.54	-8.68	22.59
		355	162.87	17.21	-105.05	-0.33	-87.51	-42.85	15.12	-30.71	-7.36	-8.22	22.91

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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195	10	356	316.89	293.99	-93.31	289.44	-88.76	-41.76	32.48	-31.22	-4.59	5.84	31.42
		363	327.44	294.00	-93.03	289.44	-88.47	-41.76	26.39	-36.58	-13.07	2.89	30.46
		348	179.46	-17.57	-113.06	-42.16	-88.47	-41.76	19.59	-33.65	-16.62	2.57	24.83
		355	181.78	-17.64	-113.28	-42.16	-88.76	-41.76	25.38	-28.00	-8.14	5.52	25.80
195	11	356	249.17	293.72	-92.33	289.25	-87.86	-41.28	11.26	-14.44	-0.67	-2.51	12.81
		363	249.32	293.73	-91.47	289.25	-86.99	-41.28	11.60	-14.88	-0.64	-2.64	13.20
		348	109.08	-14.98	-110.65	-38.64	-86.99	-41.28	6.90	-22.38	-0.68	-14.80	12.82
		355	107.36	-15.19	-111.31	-38.64	-87.86	-41.28	6.56	-21.95	-0.71	-14.67	12.43
196	1	370	782.21	467.45	-339.26	436.40	-308.21	155.19	60.11	-88.58	-57.00	28.53	-60.81
		85	1073.16	454.79	-873.09	436.40	-854.70	155.19	107.18	-28.11	-7.87	86.95	-48.25
		84	675.58	-0.83	-882.90	-29.04	-854.70	155.19	62.22	-4.77	10.21	47.25	27.91
		83	322.64	40.11	-377.35	-29.04	-308.21	155.19	-4.35	-45.74	-38.92	-11.17	15.35
196	2	370	843.55	499.27	-356.54	459.04	-316.30	181.14	71.35	-92.30	-55.75	34.80	-68.16
		85	1138.27	483.22	-897.80	459.04	-873.62	181.14	122.07	-29.92	-4.42	96.56	-56.79
		84	727.98	8.08	-910.83	-29.14	-873.62	181.14	70.86	2.35	12.02	61.19	23.85
		83	324.61	58.42	-403.87	-29.14	-316.30	181.14	3.09	-43.00	-39.32	-0.58	12.49
196	3	370	826.91	465.62	-368.23	428.23	-330.84	172.57	79.39	-81.18	-49.09	47.29	-64.21
		85	1148.70	450.39	-915.56	428.23	-893.40	172.57	133.14	-21.43	2.74	108.97	-56.14
		84	782.92	-22.66	-927.60	-56.86	-893.40	172.57	89.40	6.30	14.14	81.56	24.29
		83	333.71	26.48	-414.19	-56.86	-330.84	172.57	24.14	-41.94	-37.69	19.88	16.22
196	4	370	743.07	452.71	-372.99	408.97	-329.26	184.93	39.45	-84.47	-56.30	11.28	-51.94
		85	1022.48	434.71	-919.57	408.97	-893.83	184.93	81.59	-19.42	-4.89	67.06	-35.44
		84	701.58	-19.93	-932.97	-59.06	-893.83	184.93	48.04	-26.20	17.58	4.26	36.52
		83	437.69	34.87	-423.18	-59.06	-329.26	184.93	-20.78	-64.56	-33.82	-51.53	20.02
196	5	370	763.12	480.62	-347.56	448.74	-315.69	159.32	52.71	-83.62	-52.17	21.26	-57.43
		85	1044.83	467.79	-883.71	448.74	-864.66	159.32	99.56	-17.89	1.81	79.87	-43.88
		84	617.00	-2.97	-894.12	-32.43	-864.66	159.32	55.49	-8.32	20.12	27.06	31.72
		83	371.62	39.11	-387.23	-32.43	-315.69	159.32	-14.50	-50.91	-33.87	-31.55	18.17
196	6	370	748.55	451.73	-342.12	417.67	-308.06	160.87	59.08	-77.99	-47.93	29.02	-56.72
		85	1040.31	437.67	-876.65	417.67	-856.66	160.87	107.64	-14.14	6.13	87.37	-45.35
		84	645.07	-1.41	-886.92	-31.67	-856.66	160.87	62.08	-0.64	21.15	40.29	29.87
		83	349.42	42.22	-381.95	-31.67	-308.06	160.87	-5.55	-45.42	-32.90	-18.07	18.50
196	7	370	718.24	405.11	-346.62	367.82	-309.33	163.22	55.97	-75.39	-48.94	29.52	-52.68
		85	1017.46	389.15	-880.89	367.82	-859.56	163.22	104.66	-12.13	4.95	87.57	-41.27
		84	642.88	-18.81	-891.24	-50.50	-859.56	163.22	65.38	-4.77	20.07	40.54	33.55
		83	364.01	28.39	-388.22	-50.50	-309.33	163.22	-2.08	-49.26	-33.82	-17.52	22.13
196	8	370	643.55	364.50	-281.19	335.81	-252.49	133.06	63.01	-62.87	-37.67	37.81	-50.37
		85	892.04	352.86	-702.72	335.81	-685.67	133.06	104.69	-17.29	1.93	85.46	-44.45
		84	611.43	-16.84	-712.14	-43.31	-685.67	133.06	71.34	5.21	10.39	66.16	17.77
		83	265.04	21.34	-317.15	-43.31	-252.49	133.06	21.29	-31.99	-29.21	18.51	11.84
196	9	370	547.31	321.00	-246.18	297.95	-223.14	111.97	42.05	-60.96	-39.37	20.45	-41.93
		85	756.22	311.52	-626.11	297.95	-612.55	111.97	75.83	-17.49	-3.65	61.99	-33.17
		84	477.46	-4.34	-633.16	-24.96	-612.55	111.97	44.62	-3.38	8.75	32.50	20.85
		83	238.11	25.47	-273.57	-24.96	-223.14	111.97	-2.95	-33.06	-26.98	-9.04	12.09
196	10	370	572.28	320.03	-262.33	293.42	-235.71	121.63	52.76	-56.86	-34.97	30.88	-43.82
		85	798.35	309.10	-649.73	293.42	-634.05	121.62	90.25	-13.78	2.24	74.23	-37.55
		84	537.05	-16.46	-658.00	-40.42	-634.05	121.62	58.96	3.54	10.93	51.57	18.84
		83	232.36	17.91	-294.04	-40.42	-235.71	121.63	12.31	-30.39	-26.29	8.22	12.57
196	11	370	528.69	312.31	-247.82	287.55	-223.06	115.13	41.47	-55.07	-34.33	20.72	-39.65
		85	738.17	302.03	-628.11	287.55	-613.64	115.13	76.07	-9.72	4.13	62.23	-31.56
		84	460.64	-4.65	-635.40	-26.42	-613.64	115.13	44.73	-1.27	14.83	28.64	21.94
		83	252.98	26.66	-276.13	-26.42	-223.06	115.13	-3.40	-33.10	-23.63	-12.87	13.84
197	1	371	741.02	510.05	-578.78	463.66	-532.39	-219.92	-3.25	-74.24	-33.32	-44.17	-35.08
		382	716.39	519.29	-405.67	463.66	-350.04	-219.92	43.00	-45.47	20.62	-23.10	-38.46
		361	385.73	22.99	-479.69	-106.66	-350.04	-219.92	30.26	13.64	14.61	29.29	3.89
		360	488.43	-13.46	-625.59	-106.66	-532.39	-219.92	9.30	-40.43	-39.34	8.22	7.28
197	2	371	754.06	539.79	-575.86	501.26	-537.32	-203.74	4.14	-74.14	-30.41	-39.60	-38.87
		382	738.84	547.21	-401.93	501.26	-355.97	-203.74	52.10	-44.43	25.41	-17.74	-43.17
		361	386.52	9.66	-469.50	-103.86	-355.97	-203.74	40.14	16.67	16.70	40.11	0.80
		360	498.05	-23.13	-618.05	-103.86	-537.32	-203.74	18.70	-39.57	-39.12	18.25	5.10
197	3	371	732.28	511.46	-612.23	458.53	-559.29	-238.08	6.06	-53.53	-21.61	-25.86	-29.72
		382	715.50	521.86	-436.47	458.53	-373.15	-238.08	51.32	-28.16	29.19	-6.04	-35.62
		361	470.94	11.18	-520.62	-136.29	-373.15	-238.08	63.00	15.59	15.96	62.63	4.19
		360	584.43	-29.34	-666.24	-136.29	-559.29	-238.08	44.10	-36.13	-34.84	42.81	10.09
197	4	371	792.36	499.61	-607.92	451.41	-559.72	-225.96	-12.72	-88.49	-36.89	-64.32	-35.32
		382	751.37	509.30	-430.58	451.41	-372.69	-225.96	35.63	-59.09	19.13	-42.58	-35.93
		361	356.54	-1.52	-510.25	-139.08	-372.69	-225.96	22.80	-10.47	20.95	-8.62	7.63
		360	453.85	-40.71	-658.10	-139.08	-559.72	-225.96	-24.14	-41.29	-35.07	-30.36	8.25
197	5	371	786.49	527.95	-594.26	479.66	-545.97	-227.72	-5.21	-80.78	-31.65	-54.35	-36.04
		382	757.90	537.47	-417.44	479.66	-359.63	-227.72	43.92	-51.57	24.80	-32.44	-38.21
		361	370.61	23.73	-494.90	-111.53	-359.63	-227.72	24.36	8.17	22.04	10.49	5.67
		360	454.82	-14.04	-643.46	-111.53	-545.97	-227.72	-8.99	-36.83	-34.41	-11.41	7.84

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
197	6	371	739.89	498.26	-576.94	453.82	-532.50	-214.02	-2.22	-69.85	-26.82	-45.25	-32.53
		382	715.09	507.27	-403.16	453.82	-349.71	-214.02	45.60	-42.54	27.33	-24.27	-35.73
		361	377.73	15.86	-475.01	-109.43	-349.71	-214.02	29.08	16.29	21.48	23.90	6.28
		360	470.71	-20.05	-621.88	-109.43	-532.50	-214.02	5.28	-35.04	-32.67	2.92	9.47
197	7	371	707.73	451.64	-580.19	405.34	-533.89	-213.62	-6.71	-65.92	-27.68	-44.95	-28.32
		382	678.06	461.51	-407.07	405.34	-350.90	-213.62	41.23	-39.45	25.97	-24.19	-31.59
		361	391.93	1.14	-480.52	-128.48	-350.90	-213.62	32.82	12.32	20.01	25.13	9.92
		360	480.88	-36.70	-625.67	-128.48	-533.89	-213.62	8.50	-37.77	-33.65	4.38	13.19
197	8	371	563.91	399.60	-469.79	358.24	-428.43	-185.06	5.89	-40.29	-16.17	-18.24	-23.07
		382	552.60	407.68	-334.51	358.24	-285.07	-185.06	40.49	-20.84	22.71	-3.06	-27.83
		361	367.40	11.35	-400.61	-104.19	-285.07	-185.06	51.41	11.73	11.91	51.23	2.67
		360	456.29	-20.28	-512.34	-104.19	-428.43	-185.06	36.92	-27.83	-26.97	36.05	7.43
197	9	371	522.99	352.04	-415.44	319.18	-382.58	-155.36	-2.98	-51.37	-22.76	-31.58	-23.79
		382	504.19	358.65	-292.32	319.18	-252.85	-155.36	30.12	-31.31	15.48	-16.67	-26.17
		361	276.80	10.97	-344.33	-80.52	-252.85	-155.36	21.59	9.87	11.24	20.21	3.77
		360	347.74	-14.88	-448.22	-80.52	-382.58	-155.36	6.44	-28.13	-27.00	5.30	6.15
197	10	371	517.94	352.81	-434.01	316.33	-397.53	-165.45	2.14	-39.81	-16.26	-21.41	-20.81
		382	503.48	360.08	-309.43	316.33	-265.69	-165.45	34.69	-21.64	20.24	-7.19	-24.60
		361	323.50	4.37	-367.04	-96.98	-265.69	-165.45	39.30	11.43	11.99	38.74	3.94
		360	400.98	-23.75	-470.76	-96.98	-397.53	-165.45	25.71	-25.69	-24.50	24.52	7.72
197	11	371	522.41	345.48	-414.41	313.72	-382.64	-152.08	-2.36	-48.97	-19.15	-32.18	-22.38
		382	503.52	351.97	-290.92	313.72	-252.67	-152.08	31.62	-29.74	19.20	-17.32	-24.66
		361	272.53	7.01	-341.73	-82.06	-252.67	-152.08	21.35	10.93	15.06	17.22	5.10
		360	338.05	-18.54	-446.17	-82.06	-382.64	-152.08	4.33	-25.27	-23.30	2.36	7.37
198	1	277	1146.62	60.15	-1434.24	29.33	-1403.42	-212.38	23.29	-74.27	14.56	-65.54	27.86
		384	928.65	69.55	-1092.05	29.33	-1051.83	-212.38	-2.78	-82.42	-6.29	-78.90	16.36
		383	810.74	212.33	-1087.51	176.65	-1051.83	-212.38	-12.54	-31.58	-29.00	-15.12	-6.51
		525	1043.03	204.69	-1431.47	176.65	-1403.42	-212.38	0.97	-10.87	-8.15	-1.75	4.98
198	2	277	1158.65	103.79	-1429.14	75.76	-1401.11	-205.36	26.80	-70.60	18.48	-62.28	27.23
		384	942.65	111.94	-1089.82	75.76	-1053.64	-205.36	1.30	-77.67	-1.34	-75.04	14.18
		383	827.15	214.05	-1086.90	180.79	-1053.64	-205.36	-3.15	-29.88	-27.46	-5.57	-7.68
		525	1063.71	207.01	-1427.34	180.79	-1401.11	-205.36	8.93	-9.39	-7.64	7.19	5.37
198	3	277	1114.69	35.04	-1512.60	-9.81	-1467.75	-259.61	49.76	-59.51	26.99	-36.75	44.38
		384	889.64	49.00	-1155.80	-9.81	-1096.99	-259.61	11.10	-69.58	-2.29	-56.19	30.02
		383	930.57	201.93	-1148.88	150.05	-1096.99	-259.61	18.61	-31.53	-31.28	18.36	-3.53
		525	1188.31	190.69	-1508.39	150.05	-1467.75	-259.61	40.56	-4.76	-2.00	37.80	10.83
198	4	277	1215.19	45.49	-1447.42	6.52	-1408.45	-238.05	13.53	-95.81	10.02	-92.29	19.29
		384	1019.26	56.01	-1138.34	6.52	-1088.84	-238.05	-3.75	-103.51	-4.96	-102.29	10.93
		383	943.83	181.15	-1133.46	136.53	-1088.84	-238.05	-20.39	-57.47	-21.51	-56.36	-6.33
		525	1132.81	172.37	-1444.29	136.53	-1408.45	-238.05	-6.43	-46.46	-6.53	-46.36	2.02
198	5	277	1198.33	67.35	-1448.96	33.24	-1414.85	-224.85	21.09	-85.67	15.33	-79.91	24.11
		384	988.16	77.18	-1117.50	33.24	-1073.57	-224.85	0.02	-93.91	-2.13	-91.76	14.03
		383	889.38	210.76	-1112.93	171.40	-1073.57	-224.85	-19.49	-38.58	-22.05	-36.02	-6.50
		525	1089.87	202.66	-1446.11	171.40	-1414.86	-224.85	-3.95	-24.80	-4.59	-24.17	3.57
198	6	277	1152.54	48.82	-1433.85	19.39	-1404.42	-206.82	28.89	-76.32	19.41	-66.84	30.13
		384	933.64	57.91	-1090.82	19.39	-1052.29	-206.82	3.42	-84.87	-0.95	-80.50	19.14
		383	828.40	210.48	-1086.16	176.60	-1052.29	-206.82	-17.13	-26.34	-22.79	-20.68	-4.48
		525	1036.43	203.21	-1431.02	176.60	-1404.42	-206.82	2.17	-11.63	-2.44	-7.02	6.51
198	7	277	1134.87	4.71	-1437.09	-25.83	-1406.55	-207.61	30.71	-78.61	18.68	-66.59	34.21
		384	915.47	14.50	-1094.59	-25.83	-1054.26	-207.61	3.83	-86.71	-2.45	-80.43	23.00
		383	810.85	191.45	-1088.86	156.84	-1054.26	-207.61	-18.82	-24.79	-24.68	-18.93	-0.81
		525	1027.22	183.95	-1433.65	156.84	-1406.55	-207.61	6.11	-14.74	-3.54	-5.09	10.40
198	8	277	853.31	30.96	-1165.83	-4.77	-1130.11	-203.66	39.99	-44.19	21.44	-25.65	34.89
		384	679.58	42.09	-890.06	-4.77	-843.20	-203.66	9.21	-52.18	-1.85	-41.12	23.60
		383	725.29	157.24	-884.66	115.78	-843.20	-203.66	17.49	-24.89	-24.66	17.26	-3.08
		525	925.10	148.23	-1162.56	115.78	-1130.11	-203.66	34.60	-3.24	-1.37	32.73	8.21
198	9	277	815.34	32.69	-1023.59	10.79	-1001.70	-150.49	17.71	-53.61	10.98	-46.88	20.86
		384	660.41	39.41	-780.64	10.79	-752.02	-150.49	-0.86	-59.31	-3.77	-56.40	12.71
		383	578.47	146.65	-777.22	121.45	-752.02	-150.49	-10.07	-21.20	-19.87	-11.39	-3.60
		525	740.90	141.26	-1021.51	121.45	-1001.70	-150.49	1.33	-8.32	-5.13	-1.87	4.54
198	10	277	797.62	18.62	-1067.01	-10.95	-1037.44	-176.73	32.19	-45.19	17.88	-30.88	30.03
		384	638.78	27.85	-815.91	-10.95	-777.11	-176.73	6.63	-51.95	-1.55	-43.78	20.30
		383	641.48	140.70	-811.14	106.67	-777.11	-176.73	7.34	-21.27	-21.14	7.21	-1.94
		525	821.66	133.35	-1064.11	106.67	-1037.44	-176.73	22.60	-4.21	-1.71	20.11	7.79
198	11	277	818.66	26.39	-1023.37	5.27	-1002.25	-147.40	20.82	-54.75	13.67	-47.60	22.12
		384	663.23	32.94	-779.95	5.27	-752.28	-147.40	2.59	-60.68	-0.80	-57.29	14.26
		383	588.36	145.62	-776.47	121.42	-752.27	-147.40	-12.79	-18.11	-16.43	-14.48	-2.47
		525	736.29	140.44	-1021.26	121.42	-1002.25	-147.40	2.20	-8.95	-1.95	-4.80	5.39
199	1	363	524.77	608.28	-117.42	608.20	-117.35	-7.22	26.33	-42.73	-17.87	1.48	33.15
		351	492.74	608.28	-56.94	608.20	-56.86	-7.22	32.98	-36.33	-10.60	7.25	33.49
		349	209.55	49.54	-57.35	49.05	-56.86	-7.22	31.05	-50.23	-11.74	-7.44	40.58
		348	223.86	49.36	-117.66	49.05	-117.35	-7.22	24.23	-56.46	-19.02	-13.21	40.24

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO					S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234								
199	2	363	486.49	523.41	-121.32	523.41	-121.31	0.95	34.64	-46.45	-17.83	6.02	38.76
		351	454.45	523.41	-58.77	523.41	-58.77	0.95	37.48	-41.94	-13.32	8.86	38.13
		349	202.54	8.17	-58.78	8.15	-58.77	0.95	32.58	-51.35	-15.86	-2.91	41.46
		348	221.68	8.16	-121.32	8.15	-121.31	0.95	29.65	-55.78	-20.37	-5.75	42.09
199	3	363	454.83	423.41	-120.16	423.39	-120.15	-3.11	45.13	-51.74	-18.74	12.12	45.91
		351	422.88	423.41	-58.07	423.39	-58.05	-3.11	42.47	-49.64	-18.23	11.06	43.66
		349	214.06	-25.27	-58.35	-25.56	-58.05	-3.11	34.73	-53.68	-23.15	4.20	42.04
		348	242.14	-25.46	-120.25	-25.56	-120.15	-3.11	37.39	-55.78	-23.65	5.26	44.29
199	4	363	345.87	417.29	-119.18	417.28	-119.17	-2.44	11.48	-21.67	-6.72	-3.47	16.49
		351	312.68	417.29	-58.50	417.28	-58.49	-2.44	20.62	-17.69	1.36	1.57	19.15
		349	141.25	-29.77	-58.70	-29.98	-58.49	-2.44	19.92	-35.08	3.74	-18.90	25.06
		348	164.74	-29.91	-119.24	-29.98	-119.17	-2.44	10.31	-38.59	-4.34	-23.94	22.40
199	5	363	351.93	426.72	-118.03	426.71	-118.02	-2.71	10.73	-21.29	-7.11	-3.45	15.91
		351	318.13	426.72	-58.02	426.71	-58.00	-2.71	19.73	-16.96	1.01	1.76	18.34
		349	138.25	-22.99	-58.21	-23.20	-58.00	-2.71	19.09	-34.28	3.04	-18.23	24.48
		348	162.53	-23.12	-118.09	-23.20	-118.02	-2.71	9.61	-38.14	-5.09	-23.44	22.04
199	6	363	351.89	425.14	-117.57	425.11	-117.54	-4.13	10.37	-21.23	-7.48	-3.38	15.67
		351	318.04	425.15	-57.65	425.11	-57.61	-4.13	19.26	-16.66	0.68	1.92	17.95
		349	134.87	-21.79	-58.09	-22.27	-57.61	-4.13	18.61	-33.89	2.47	-17.76	24.22
		348	159.96	-22.09	-117.71	-22.27	-117.54	-4.13	9.22	-37.97	-5.69	-23.06	21.94
199	7	363	339.07	405.77	-117.94	405.76	-117.92	-2.87	10.76	-21.14	-7.19	-3.19	15.83
		351	305.31	405.77	-57.80	405.76	-57.78	-2.87	19.58	-16.81	0.84	1.94	18.19
		349	135.11	-30.24	-58.08	-30.54	-57.78	-2.87	18.79	-33.87	2.76	-17.84	24.23
		348	159.62	-30.45	-118.01	-30.54	-117.92	-2.87	9.48	-37.71	-5.27	-22.97	21.87
199	8	363	361.12	328.74	-90.84	328.71	-90.81	-3.31	37.58	-42.49	-15.34	10.42	37.91
		351	336.19	328.74	-43.32	328.71	-43.29	-3.31	34.69	-40.93	-15.43	9.19	35.75
		349	175.85	-16.59	-43.70	-17.00	-43.29	-3.31	28.31	-43.85	-19.93	4.39	33.97
		348	199.28	-16.85	-90.96	-17.00	-90.81	-3.31	31.20	-45.42	-19.84	5.62	36.13
199	9	363	344.41	400.37	-85.14	400.34	-85.10	-4.05	16.35	-27.02	-11.08	0.41	20.91
		351	321.53	400.38	-42.05	400.34	-42.01	-4.05	21.35	-22.83	-5.85	4.37	21.49
		349	131.49	21.61	-42.27	21.35	-42.01	-4.05	19.93	-32.71	-6.11	-6.67	26.32
		348	138.98	21.50	-85.26	21.35	-85.10	-4.05	14.76	-36.72	-11.34	-10.62	25.74
199	10	363	304.15	297.67	-86.66	297.67	-86.66	-1.77	26.77	-32.02	-11.56	6.32	28.00
		351	281.82	297.68	-42.68	297.67	-42.67	-1.77	26.58	-30.19	-10.09	6.48	27.15
		349	133.94	-19.97	-42.81	-20.10	-42.67	-1.77	21.49	-34.14	-12.45	-0.20	27.13
		348	149.58	-20.06	-86.70	-20.10	-86.66	-1.77	21.65	-35.93	-13.92	-0.36	27.98
199	11	363	248.62	298.64	-85.22	298.62	-85.21	-2.33	7.50	-15.10	-5.31	-2.29	11.20
		351	224.55	298.64	-42.44	298.62	-42.43	-2.33	13.78	-11.96	0.41	1.41	12.86
		349	96.31	-18.05	-42.65	-18.27	-42.43	-2.33	13.33	-23.94	1.78	-12.40	17.23
		348	113.96	-18.19	-85.29	-18.27	-85.21	-2.33	6.70	-26.73	-3.94	-16.10	15.57
200	1	364	519.88	548.05	-172.85	530.19	-154.98	-112.07	35.29	-42.23	-3.64	-3.30	38.76
		356	509.01	548.78	-145.24	530.19	-126.65	-112.07	33.11	-41.93	-5.06	-3.77	37.51
		355	309.52	52.95	-196.58	-16.98	-126.65	-112.07	29.75	-43.76	-9.65	-4.35	36.66
		352	320.07	45.62	-217.59	-16.98	-154.98	-112.07	31.90	-44.03	-8.24	-3.89	37.90
200	2	364	505.18	476.17	-175.50	457.55	-156.87	-108.58	44.71	-46.28	-2.73	1.16	45.45
		356	505.91	476.99	-148.78	457.55	-129.33	-108.58	37.51	-51.38	-11.97	-1.89	44.16
		355	321.87	23.06	-206.70	-54.30	-129.33	-108.58	35.82	-44.48	-15.63	6.96	38.53
		352	332.82	14.50	-225.67	-54.30	-156.87	-108.58	42.47	-38.85	-6.39	10.01	39.83
200	3	364	497.87	374.56	-180.77	351.19	-157.39	-111.51	56.67	-52.18	-2.92	7.41	54.18
		356	508.78	375.83	-153.44	351.19	-128.80	-111.51	43.34	-64.71	-22.39	1.02	52.74
		355	351.19	2.93	-223.19	-91.47	-128.80	-111.51	46.13	-48.64	-25.05	22.54	40.98
		352	363.73	-8.15	-240.71	-91.47	-157.39	-111.51	57.47	-34.12	-5.58	28.93	42.42
200	4	364	341.87	369.00	-181.02	345.92	-157.93	-110.30	17.08	-20.50	4.57	-7.98	17.71
		356	328.34	370.29	-153.29	345.92	-128.92	-110.30	18.55	-19.59	6.45	-7.49	17.75
		355	223.06	0.80	-222.71	-93.00	-128.92	-110.30	15.99	-27.19	5.48	-16.68	18.53
		352	222.88	-10.48	-240.45	-93.00	-157.93	-110.30	14.42	-28.00	3.60	-17.17	18.49
200	5	364	345.51	378.34	-178.43	356.20	-156.29	-108.80	16.48	-20.29	4.12	-7.93	17.37
		356	331.11	379.54	-150.91	356.20	-127.56	-108.80	18.08	-19.08	6.32	-7.32	17.28
		355	218.78	4.11	-217.46	-85.79	-127.56	-108.80	15.41	-26.91	4.91	-16.41	18.28
		352	219.34	-6.67	-235.40	-85.79	-156.29	-108.80	13.69	-28.00	2.71	-17.02	18.36
200	6	364	344.64	375.05	-178.47	352.45	-155.87	-109.55	16.20	-20.30	3.75	-7.85	17.31
		356	329.84	376.29	-150.97	352.45	-127.13	-109.55	17.82	-18.94	6.08	-7.20	17.14
		355	219.11	5.05	-217.92	-85.75	-127.13	-109.55	15.06	-26.79	4.41	-16.13	18.23
		352	220.09	-5.79	-235.83	-85.75	-155.87	-109.55	13.32	-28.03	2.08	-16.79	18.40
200	7	364	335.34	358.15	-179.32	335.15	-156.31	-108.79	16.53	-20.14	4.04	-7.66	17.38
		356	321.53	359.46	-151.76	335.15	-127.45	-108.79	17.86	-19.11	5.91	-7.15	17.29
		355	218.98	-0.25	-220.50	-93.30	-127.45	-108.79	15.14	-26.41	4.56	-15.82	18.10
		352	219.60	-11.54	-238.07	-93.30	-156.31	-108.79	13.70	-27.34	2.69	-16.33	18.19
200	8	364	397.95	290.93	-138.30	272.69	-120.06	-86.60	47.17	-43.12	-2.72	6.77	44.89
		356	407.62	291.92	-117.20	272.69	-97.97	-86.60	35.85	-53.83	-19.32	1.34	43.63
		355	283.89	3.88	-171.60	-69.76	-97.97	-86.60	38.51	-40.50	-21.71	19.71	33.65
		352	293.46	-4.73	-185.08	-69.76	-120.06	-86.60	48.06	-28.03	-5.11	25.14	34.91

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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200	9	364	341.01	359.45	-124.90	346.23	-111.67	-78.92	22.07	-26.43	-1.40	-2.96	24.23
		356	333.07	360.03	-105.34	346.23	-91.54	-78.92	20.96	-26.16	-2.02	-3.18	23.56
		355	203.50	27.78	-143.75	-24.42	-91.54	-78.92	18.55	-27.70	-4.65	-4.50	23.13
		352	209.98	22.13	-158.23	-24.42	-111.67	-78.92	19.65	-27.96	-4.02	-4.28	23.81
200	10	364	327.90	263.21	-129.44	246.79	-113.01	-78.61	33.86	-31.87	-1.00	2.99	32.80
		356	332.67	264.11	-110.05	246.79	-92.74	-78.61	26.41	-38.58	-11.65	-0.53	32.01
		355	225.57	0.49	-159.02	-65.80	-92.74	-78.61	26.75	-29.51	-13.20	10.44	25.53
		352	234.41	-7.33	-171.49	-65.80	-113.01	-78.61	33.28	-21.87	-2.55	13.95	26.31
200	11	364	243.79	263.49	-128.17	247.49	-112.17	-77.52	11.59	-14.37	2.71	-5.49	12.32
		356	233.68	264.36	-108.68	247.49	-91.81	-77.52	12.62	-13.54	4.17	-5.09	12.24
		355	155.39	1.67	-156.10	-62.62	-91.81	-77.52	10.78	-18.66	3.16	-11.04	12.89
		352	156.13	-6.01	-168.78	-62.62	-112.17	-77.52	9.67	-19.41	1.70	-11.44	12.97
201	1	203	1231.35	-64.89	-1729.60	-241.32	-1553.17	-512.43	4.31	-85.46	-8.68	-72.47	31.58
		359	732.92	288.12	-737.28	-241.32	-207.84	-512.43	28.25	-59.39	21.54	-52.67	23.31
		357	916.34	602.53	-531.87	278.50	-207.84	-512.43	76.95	-39.30	9.40	28.26	57.35
		504	1494.47	412.11	-1686.78	278.50	-1553.17	-512.43	61.06	-73.42	-20.82	8.46	65.63
201	2	203	1342.89	-121.86	-1720.67	-304.77	-1537.76	-508.90	79.95	-34.91	1.95	43.09	53.62
		359	867.31	254.34	-767.98	-304.77	-208.86	-508.90	69.89	-49.64	-12.61	32.86	55.27
		357	805.20	568.90	-541.85	235.92	-208.86	-508.90	24.84	-50.00	-13.59	-11.58	37.40
		504	1338.76	371.56	-1673.40	235.92	-1537.76	-508.90	35.58	-35.96	0.97	-1.34	35.75
201	3	203	1751.23	-226.58	-1772.58	-425.95	-1573.20	-518.15	232.64	-16.68	15.31	200.65	83.37
		359	1161.60	211.08	-847.41	-425.95	-210.38	-518.15	188.57	-99.36	-60.33	149.53	98.56
		357	689.30	555.66	-560.86	205.18	-210.38	-518.15	-41.85	-70.07	-46.06	-65.87	10.05
		504	1360.95	345.14	-1713.16	205.18	-1573.20	-518.15	30.17	-15.34	29.58	-14.75	-5.14
201	4	203	1404.20	-231.39	-1772.88	-431.64	-1572.63	-518.24	-7.80	-129.48	-7.81	-129.47	-1.11
		359	738.25	208.04	-851.50	-431.64	-211.83	-518.24	45.77	-96.03	44.75	-95.01	-11.98
		357	862.56	557.30	-561.03	208.10	-211.83	-518.24	83.36	-11.50	32.21	39.65	47.28
		504	1456.83	347.94	-1712.47	208.10	-1572.63	-518.24	51.96	-67.11	-20.35	5.19	58.15
201	5	203	1402.21	-216.04	-1749.55	-411.53	-1554.06	-511.44	-8.43	-132.95	-8.44	-132.93	-1.55
		359	738.20	210.73	-831.90	-411.53	-209.63	-511.44	46.61	-98.72	45.45	-97.56	-12.92
		357	859.84	554.89	-551.78	212.74	-209.63	-511.44	85.02	-11.32	32.13	41.57	47.94
		504	1451.03	350.11	-1691.43	212.74	-1554.06	-511.44	53.14	-68.70	-21.76	6.20	59.30
201	6	203	1404.58	-220.18	-1751.13	-416.39	-1554.92	-511.75	-8.81	-134.20	-8.83	-134.18	-1.54
		359	740.22	209.30	-834.95	-416.39	-209.26	-511.75	46.74	-99.66	45.55	-98.47	-13.15
		357	862.60	555.29	-551.81	212.74	-209.26	-511.75	85.73	-11.44	31.81	42.48	48.29
		504	1455.61	350.21	-1692.39	212.74	-1554.92	-511.75	53.77	-69.56	-22.56	6.77	59.89
201	7	203	1385.39	-235.30	-1756.15	-433.56	-1557.89	-512.07	-7.99	-126.96	-8.00	-126.96	-0.78
		359	727.54	202.50	-845.81	-433.56	-209.76	-512.07	44.58	-94.09	43.60	-93.12	-11.60
		357	852.73	551.02	-554.42	206.36	-209.76	-512.07	81.99	-11.62	30.92	39.45	46.61
		504	1443.57	344.22	-1695.74	206.36	-1557.89	-512.07	51.39	-66.46	-20.68	5.61	57.44
201	8	203	1417.32	-172.63	-1361.82	-326.83	-1207.61	-399.50	205.76	-12.45	13.81	179.50	71.00
		359	955.74	164.35	-651.76	-326.83	-160.58	-399.50	166.23	-86.81	-54.21	133.63	84.77
		357	523.59	428.87	-431.34	158.12	-160.58	-399.50	-39.53	-60.69	-41.00	-59.21	5.39
		504	1066.50	266.39	-1315.89	158.12	-1207.61	-399.50	28.69	-15.02	27.02	-13.35	-8.38
201	9	203	897.36	-73.38	-1235.96	-201.60	-1107.74	-364.17	-0.81	-64.23	-6.10	-58.94	17.53
		359	509.97	189.57	-540.64	-201.60	-149.48	-364.17	20.39	-44.95	18.37	-42.93	11.31
		357	640.20	419.57	-382.54	186.51	-149.48	-364.17	54.97	-23.63	9.68	21.66	38.84
		504	1055.10	281.94	-1203.18	186.51	-1107.74	-364.17	41.63	-50.77	-14.78	5.65	45.06
201	10	203	1105.73	-162.99	-1260.05	-304.17	-1118.87	-367.35	113.06	-13.04	7.23	92.80	46.31
		359	713.90	147.73	-602.79	-304.17	-150.89	-367.35	92.92	-50.62	-27.11	69.41	53.12
		357	509.24	393.61	-398.73	145.78	-150.89	-367.35	-12.45	-39.31	-21.12	-30.63	12.56
		504	928.76	244.74	-1217.84	145.78	-1118.87	-367.35	14.72	-8.75	13.22	-7.25	5.74
201	11	203	994.45	-159.43	-1248.14	-298.85	-1108.72	-363.80	-6.17	-93.23	-6.18	-93.22	-0.87
		359	522.91	146.75	-595.87	-298.85	-150.27	-363.80	32.50	-69.17	31.71	-68.37	-8.94
		357	610.78	393.41	-393.71	149.97	-150.27	-363.80	59.85	-8.16	22.14	29.56	33.80
		504	1033.59	247.56	-1206.30	149.97	-1108.72	-363.80	37.58	-48.62	-15.75	4.71	41.87
202	1	128	1043.12	423.86	-42.11	252.78	128.97	224.61	38.69	-77.56	-17.66	-21.21	-58.10
		74	1043.12	423.86	-42.11	252.78	128.97	224.61	38.69	-77.56	-17.66	-21.21	-58.10
		443	1043.12	423.86	-42.11	252.78	128.97	224.61	38.69	-77.56	-17.66	-21.21	-58.10
202	2	128	1080.22	434.97	-47.51	254.54	132.91	233.45	40.79	-80.29	-15.79	-23.71	-60.41
		74	1080.22	434.97	-47.51	254.54	132.91	233.45	40.79	-80.29	-15.79	-23.71	-60.41
		443	1080.22	434.97	-47.51	254.54	132.91	233.45	40.79	-80.29	-15.79	-23.71	-60.41
202	3	128	1057.29	399.58	-46.73	231.68	121.17	216.21	43.97	-79.92	-13.97	-21.98	-61.82
		74	1057.29	399.58	-46.73	231.68	121.17	216.21	43.97	-79.92	-13.97	-21.98	-61.82
		443	1057.29	399.58	-46.73	231.68	121.17	216.21	43.97	-79.92	-13.97	-21.98	-61.82
202	4	128	984.76	362.99	-20.69	220.23	122.07	185.46	42.71	-76.45	-19.36	-14.38	-59.53
		74	984.76	362.99	-20.69	220.23	122.07	185.46	42.71	-76.45	-19.36	-14.38	-59.53
		443	984.76	362.99	-20.69	220.23	122.07	185.46	42.71	-76.45	-19.36	-14.38	-59.53
202	5	128	993.59	390.15	-17.59	244.80	127.76	195.29	41.24	-75.76	-16.15	-18.36	-58.49
		74	993.59	390.15	-17.59	244.80	127.76	195.29	41.24	-75.76	-16.15	-18.36	-58.49
		443	993.59	390.15	-17.59	244.80	127.76	195.29	41.24	-75.76	-16.15	-18.36	-58.49
202	6	128	974.77	363.27	-16.52	228.79	117.96	181.63	41.24	-77.27	-16.14	-19.89	-59.23

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		74	974.77	363.27	-16.52	228.79	117.96	181.63	41.24	-77.27	-16.14	-19.89	-59.23
		443	974.77	363.27	-16.52	228.79	117.96	181.63	41.24	-77.27	-16.14	-19.89	-59.23
202	7	128	951.32	332.63	-17.25	208.27	107.11	167.47	40.89	-78.14	-18.17	-19.08	-59.52
		74	951.32	332.63	-17.25	208.27	107.11	167.47	40.89	-78.14	-18.17	-19.08	-59.52
		443	951.32	332.63	-17.25	208.27	107.11	167.47	40.89	-78.14	-18.17	-19.08	-59.52
202	8	128	821.64	313.56	-38.32	180.67	94.56	170.59	33.97	-61.56	-10.38	-17.22	-47.64
		74	821.64	313.56	-38.32	180.67	94.56	170.59	33.97	-61.56	-10.38	-17.22	-47.64
		443	821.64	313.56	-38.32	180.67	94.56	170.59	33.97	-61.56	-10.38	-17.22	-47.64
202	9	128	727.48	286.45	-26.21	172.19	88.05	150.57	27.95	-55.27	-12.66	-14.67	-41.60
		74	727.48	286.45	-26.21	172.19	88.05	150.57	27.95	-55.27	-12.66	-14.67	-41.60
		443	727.48	286.45	-26.21	172.19	88.05	150.57	27.95	-55.27	-12.66	-14.67	-41.60
202	10	128	735.28	272.95	-28.77	160.47	83.72	145.90	30.87	-56.57	-10.61	-15.09	-43.66
		74	735.28	272.95	-28.77	160.47	83.72	145.90	30.87	-56.57	-10.61	-15.09	-43.66
		443	735.28	272.95	-28.77	160.47	83.72	145.90	30.87	-56.57	-10.61	-15.09	-43.66
202	11	128	689.52	252.80	-12.00	158.86	81.94	126.69	29.37	-55.11	-11.81	-13.93	-42.22
		74	689.52	252.80	-12.00	158.86	81.94	126.69	29.37	-55.11	-11.81	-13.93	-42.22
		443	689.52	252.80	-12.00	158.86	81.94	126.69	29.37	-55.11	-11.81	-13.93	-42.22
203	1	867	327.88	403.62	-66.91	402.64	-65.92	-21.48	6.61	-13.38	-9.40	2.64	7.98
		387	268.38	404.65	172.50	402.64	174.51	-21.48	10.95	-16.00	-8.96	3.90	11.84
		386	210.73	175.84	-172.02	-170.69	174.51	-21.48	8.12	-17.46	-6.50	-2.85	12.66
		385	116.20	-61.69	-174.93	-170.69	-65.92	-21.48	3.38	-14.43	-6.94	-4.11	8.80
203	2	867	337.14	415.16	-67.02	414.26	-66.12	-20.80	6.15	-13.69	-10.20	2.67	7.56
		387	276.03	416.05	172.46	414.26	174.25	-20.80	10.26	-15.94	-9.69	4.01	11.17
		386	210.39	175.52	-167.58	-166.31	174.25	-20.80	7.25	-17.28	-7.42	-2.61	12.03
		385	115.88	-61.98	-170.46	-166.31	-66.12	-20.80	2.71	-14.60	-7.94	-3.95	8.42
203	3	867	345.76	424.59	-67.95	423.79	-67.15	-19.83	5.91	-14.28	-11.08	2.70	7.37
		387	282.48	425.37	175.07	423.79	176.65	-19.83	9.75	-16.09	-10.43	4.09	10.69
		386	215.16	177.79	-168.67	-167.54	176.65	-19.83	6.58	-17.34	-8.40	-2.36	11.58
		385	119.32	-63.37	-171.31	-167.54	-67.15	-19.83	2.28	-15.07	-9.04	-3.75	8.26
203	4	867	358.48	424.83	-67.98	424.05	-67.20	-19.60	33.61	-22.74	12.50	-1.63	27.27
		387	310.41	425.59	175.32	424.05	176.87	-19.60	40.21	-31.01	12.56	-3.36	34.71
		386	315.14	177.98	-170.40	-169.30	176.87	-19.60	41.29	-30.70	18.33	-7.75	33.55
		385	206.89	-63.57	-172.93	-169.30	-67.20	-19.60	34.92	-22.67	18.28	-6.02	26.10
203	5	867	404.64	524.74	-69.42	524.22	-68.90	-17.51	28.33	-22.32	6.65	-0.64	25.06
		387	350.22	525.11	177.47	524.22	178.36	-17.51	35.15	-30.13	6.67	-1.65	32.37
		386	279.91	179.34	-134.39	-133.41	178.36	-17.51	35.63	-30.65	12.19	-7.21	31.69
		385	172.26	-64.46	-137.86	-133.41	-68.90	-17.51	29.04	-23.06	12.18	-6.20	24.38
203	6	867	365.99	486.39	-66.43	485.35	-65.39	-24.01	25.58	-20.87	4.09	0.61	23.16
		387	322.19	487.18	171.27	485.35	173.11	-24.01	32.32	-28.21	3.58	0.54	30.22
		386	269.19	174.99	-133.50	-131.62	173.11	-24.01	32.36	-29.91	8.74	-6.29	30.21
		385	168.71	-57.60	-139.41	-131.62	-65.39	-24.01	25.93	-22.89	9.26	-6.22	23.15
203	7	867	322.35	397.56	-67.11	396.61	-66.17	-20.92	6.62	-13.14	-8.90	2.38	8.11
		387	262.74	398.57	173.31	396.61	175.27	-20.92	10.72	-15.54	-8.33	3.51	11.72
		386	212.62	176.51	-176.01	-174.77	175.27	-20.92	8.16	-16.93	-6.03	-2.74	12.44
		385	118.00	-62.28	-178.66	-174.77	-66.17	-20.92	3.70	-14.17	-6.60	-3.88	8.83
203	8	867	265.12	326.09	-51.39	325.48	-50.79	-15.11	4.52	-10.80	-8.45	2.18	5.52
		387	216.90	326.68	135.28	325.48	136.48	-15.11	7.38	-12.28	-8.12	3.22	8.03
		386	166.58	137.34	-129.93	-129.07	136.48	-15.11	4.98	-13.13	-6.56	-1.59	8.71
		385	91.83	-47.97	-131.89	-129.07	-50.79	-15.11	1.79	-11.31	-6.89	-2.63	6.19
203	9	867	234.79	288.58	-48.39	287.88	-47.69	-15.28	4.67	-9.70	-6.82	1.79	5.75
		387	191.87	289.29	122.18	287.88	123.58	-15.28	7.76	-11.43	-6.38	2.71	8.45
		386	149.45	124.53	-122.16	-121.21	123.58	-15.28	5.74	-12.51	-4.67	-2.10	9.03
		385	82.94	-44.64	-124.26	-121.21	-47.69	-15.28	2.35	-10.49	-5.11	-3.02	6.33
203	10	867	244.71	300.22	-48.96	299.63	-48.37	-14.36	4.27	-10.19	-7.75	1.83	5.41
		387	199.68	300.80	123.61	299.63	124.78	-14.36	7.09	-11.47	-7.20	2.82	7.81
		386	151.90	125.62	-120.30	-119.46	124.78	-14.36	4.87	-12.44	-5.73	-1.83	8.43
		385	84.66	-45.58	-122.25	-119.46	-48.37	-14.36	1.73	-10.83	-6.28	-2.82	6.04
203	11	867	253.78	334.56	-48.12	333.83	-47.39	-16.68	14.86	-13.51	0.67	0.67	14.18
		387	220.70	335.14	121.50	333.83	122.81	-16.68	19.37	-17.95	0.58	0.84	18.66
		386	180.93	124.05	-100.75	-99.51	122.81	-16.68	19.08	-19.30	3.79	-4.02	18.79
		385	109.63	-42.51	-104.39	-99.51	-47.39	-16.68	14.71	-15.02	3.88	-4.19	14.31
204	1	868	250.76	300.42	-68.93	300.15	-68.66	10.05	11.52	-13.36	2.77	-4.61	11.88
		390	214.08	300.48	-2.32	300.15	-1.98	10.05	6.15	-14.95	-1.85	-6.95	10.23
		389	56.61	15.01	-7.92	9.07	-1.98	10.05	15.32	-5.83	-2.38	11.87	7.82
		388	89.66	10.35	-69.94	9.07	-68.66	10.05	19.42	-2.97	2.24	14.21	9.46
204	2	868	256.78	313.85	-69.00	313.57	-68.72	10.27	10.69	-13.29	1.96	-4.56	11.54
		390	220.13	313.90	-2.38	313.57	-2.04	10.27	5.32	-14.85	-2.65	-6.88	9.86
		389	55.23	19.27	-7.00	14.31	-2.04	10.27	15.00	-6.30	-3.25	11.94	7.47
		388	92.11	15.56	-69.97	14.31	-68.72	10.27	19.01	-3.38	1.36	14.26	9.15
204	3	868	262.32	325.16	-69.76	324.87	-69.48	10.54	10.19	-13.58	1.17	-4.55	11.54
		390	225.27	325.21	-2.51	324.87	-2.17	10.54	4.70	-15.10	-3.49	-6.90	9.75
		389	55.61	21.56	-6.86	16.88	-2.17	10.54	15.03	-7.01	-4.22	12.24	7.33

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		388	95.50	18.15	-70.75	16.88	-69.48	10.54	19.05	-4.02	0.44	14.59	9.12
204	4	868	342.58	325.37	-68.95	325.10	-68.68	10.33	38.48	-21.54	23.61	-6.66	25.92
		390	310.49	325.43	-3.25	325.10	-2.92	10.33	33.99	-25.26	18.44	-9.72	26.06
		389	131.10	20.94	-7.40	16.47	-2.92	10.33	38.64	-8.38	20.97	9.29	22.77
		388	145.84	17.70	-69.92	16.47	-68.68	10.33	42.90	-4.41	26.14	12.35	22.62
204	5	868	392.35	428.32	-69.98	428.11	-69.77	10.17	33.43	-22.23	18.37	-7.17	24.73
		390	358.25	428.35	-3.42	428.11	-3.18	10.17	28.62	-25.57	13.11	-10.06	24.49
		389	130.68	58.77	-4.85	57.10	-3.18	10.17	34.40	-8.73	15.18	10.48	21.44
		388	149.00	57.91	-70.58	57.10	-69.77	10.17	38.87	-5.04	20.45	13.38	21.67
204	6	868	350.23	372.96	-67.45	372.82	-67.31	7.80	31.18	-22.29	16.30	-7.41	23.96
		390	315.68	372.98	-2.31	372.82	-2.14	7.80	26.21	-25.06	11.12	-9.97	23.37
		389	118.15	44.78	-3.44	43.48	-2.14	7.80	32.76	-8.77	12.67	11.32	20.75
		388	134.58	44.03	-67.86	43.48	-67.31	7.80	37.30	-5.58	17.84	13.88	21.35
204	7	868	249.22	296.46	-69.09	296.15	-68.78	10.60	11.74	-13.15	3.13	-4.54	11.84
		390	212.54	296.53	-2.35	296.15	-1.98	10.60	6.36	-14.80	-1.50	-6.93	10.23
		389	56.95	13.86	-9.07	6.76	-1.98	10.60	15.29	-5.47	-1.99	11.81	7.75
		388	88.13	8.22	-70.24	6.76	-68.78	10.60	19.43	-2.58	2.64	14.20	9.36
204	8	868	201.40	250.47	-53.44	250.23	-53.21	8.48	7.63	-10.34	0.76	-3.46	8.73
		390	172.94	250.52	-1.40	250.23	-1.11	8.48	3.47	-11.45	-2.75	-5.23	7.35
		389	43.14	17.35	-5.01	13.46	-1.11	8.48	11.63	-5.36	-3.31	9.58	5.53
		388	73.76	14.52	-54.27	13.46	-53.21	8.48	14.66	-3.11	0.19	11.35	6.91
204	9	868	179.52	214.99	-49.48	214.80	-49.29	7.06	8.27	-9.56	1.99	-3.29	8.51
		390	153.34	215.03	-2.21	214.80	-1.98	7.06	4.39	-10.74	-1.36	-4.99	7.35
		389	40.01	10.60	-5.95	6.63	-1.98	7.06	10.87	-4.20	-1.73	8.39	5.59
		388	64.11	7.51	-50.17	6.63	-49.29	7.06	13.83	-2.11	1.62	10.10	6.75
204	10	868	185.94	228.73	-49.93	228.54	-49.74	7.34	7.53	-9.68	1.11	-3.26	8.32
		390	159.55	228.77	-2.32	228.54	-2.08	7.34	3.59	-10.82	-2.27	-4.97	7.08
		389	39.44	14.26	-5.38	10.97	-2.08	7.34	10.70	-4.85	-2.75	8.60	5.32
		388	67.30	11.84	-50.62	10.97	-49.74	7.34	13.62	-2.69	0.62	10.31	6.56
204	11	868	234.64	255.29	-48.65	255.18	-48.54	5.82	19.17	-14.50	9.51	-4.85	15.23
		390	209.63	255.31	-2.20	255.18	-2.07	5.82	15.52	-16.33	5.85	-6.67	14.64
		389	72.36	26.91	-3.23	25.74	-2.07	5.82	20.15	-5.43	6.63	8.09	12.77
		388	83.49	26.20	-48.99	25.74	-48.54	5.82	23.46	-3.26	10.29	9.91	13.36
205	1	212	1492.76	-272.69	-1544.17	-427.10	-1389.76	-415.31	205.97	-14.89	-9.64	200.72	33.63
		392	857.35	251.39	-681.32	-427.10	-2.83	-415.31	131.89	-77.05	-45.65	100.49	74.66
		391	630.54	532.48	-325.04	210.27	-2.83	-415.31	-11.05	-83.84	-16.64	-78.25	-19.39
		408	1237.74	311.65	-1491.14	210.27	-1389.76	-415.31	81.11	-39.75	19.37	21.98	-60.42
205	2	212	1493.91	-260.13	-1541.14	-412.71	-1388.56	-414.94	205.42	-15.56	-10.41	200.28	33.32
		392	854.57	254.97	-670.59	-412.71	-2.91	-414.94	131.30	-77.34	-46.34	100.29	74.22
		391	631.31	535.54	-322.67	215.78	-2.91	-414.94	-11.64	-83.82	-17.43	-78.03	-19.60
		408	1237.82	316.75	-1489.53	215.78	-1388.56	-414.94	80.75	-40.30	18.50	21.96	-60.50
205	3	212	1513.96	-255.94	-1550.55	-409.73	-1396.76	-418.86	209.88	-16.56	-11.33	204.65	34.01
		392	866.66	258.91	-672.12	-409.73	-3.48	-418.86	133.93	-79.55	-48.10	102.48	75.66
		391	639.83	542.52	-324.80	221.20	-3.48	-418.86	-12.64	-85.71	-18.73	-79.62	-20.20
		408	1248.66	323.20	-1498.77	221.20	-1396.76	-418.86	82.18	-41.59	18.04	22.55	-61.84
205	4	212	1752.24	-256.16	-1549.38	-409.86	-1395.68	-418.50	305.62	-3.47	5.09	297.06	50.71
		392	1081.91	258.29	-671.99	-409.86	-3.84	-418.50	202.30	-103.86	-49.30	147.74	117.17
		391	726.58	543.24	-323.98	223.10	-3.84	-418.50	4.01	-127.49	-0.09	-123.39	-22.85
		408	1372.27	324.89	-1497.47	223.10	-1395.68	-418.50	130.54	-50.31	54.30	25.93	-89.31
205	5	212	1815.70	-175.00	-1553.10	-321.19	-1406.91	-424.37	316.68	-8.84	-0.69	308.53	50.85
		392	1111.99	290.07	-615.81	-321.19	-4.55	-424.37	207.64	-111.41	-57.31	153.54	119.73
		391	755.26	577.31	-314.06	267.79	-4.55	-424.37	-1.22	-133.25	-6.38	-128.10	-25.59
		408	1405.98	369.19	-1508.31	267.79	-1406.91	-424.37	133.75	-56.62	50.23	26.90	-94.47
205	6	212	1777.15	-211.91	-1532.25	-358.12	-1386.04	-414.33	311.66	-9.76	-1.81	303.72	49.91
		392	1087.15	270.59	-631.17	-358.12	-2.46	-414.33	204.13	-110.76	-57.84	151.21	117.75
		391	732.21	553.50	-311.24	244.71	-2.46	-414.33	-2.49	-131.01	-7.64	-125.86	-25.21
		408	1373.65	343.94	-1485.27	244.71	-1386.04	-414.33	131.20	-56.16	48.38	26.65	-93.05
205	7	212	1501.27	-275.07	-1545.17	-429.63	-1390.61	-415.24	209.43	-14.69	-9.44	204.18	33.89
		392	862.91	250.60	-683.11	-429.63	-2.88	-415.24	134.00	-77.93	-46.12	102.19	75.70
		391	634.35	531.43	-325.59	208.72	-2.88	-415.24	-10.73	-85.49	-16.52	-79.70	-19.99
		408	1241.95	310.10	-1491.99	208.72	-1390.61	-415.24	83.03	-40.58	20.15	22.29	-61.80
205	8	212	1162.59	-196.18	-1191.11	-314.59	-1072.70	-322.17	160.99	-12.95	-8.97	157.01	26.01
		392	665.24	199.64	-516.43	-314.59	-2.20	-322.17	102.62	-61.19	-37.18	78.61	57.94
		391	491.72	417.22	-249.67	169.75	-2.20	-322.17	-9.88	-65.72	-14.66	-60.94	-15.62
		408	958.71	248.32	-1151.27	169.75	-1072.70	-322.17	63.09	-32.08	13.55	17.46	-47.54
205	9	212	1064.94	-192.96	-1099.25	-302.51	-989.69	-295.44	147.33	-10.60	-6.84	143.58	24.06
		392	611.54	178.71	-483.89	-302.51	-2.67	-295.44	94.38	-55.05	-32.57	71.90	53.41
		391	449.57	379.16	-231.26	150.56	-2.67	-295.44	-7.84	-60.02	-11.82	-56.04	-13.84
		408	882.18	222.56	-1061.69	150.56	-989.69	-295.44	57.98	-28.43	13.91	15.64	-43.20
205	10	212	1076.72	-183.65	-1102.79	-292.86	-993.58	-297.41	149.51	-11.52	-7.78	145.76	24.27
		392	616.72	182.89	-478.78	-292.86	-3.03	-297.41	95.51	-56.43	-33.93	73.01	53.97
		391	454.74	384.74	-231.13	156.63	-3.03	-297.41	-8.73	-61.05	-12.98	-56.80	-14.29

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		408	888.25	228.98	-1065.93	156.63	-993.58	-297.41	58.58	-29.45	13.17	15.95	-43.99
205	11	212	1222.77	-159.21	-1092.60	-264.18	-987.63	-294.89	206.05	-7.74	-2.49	200.80	33.10
		392	738.21	189.30	-455.95	-264.18	-2.46	-294.89	134.50	-73.76	-39.34	100.08	77.35
		391	505.03	390.82	-223.58	169.70	-2.46	-294.89	-3.14	-86.17	-6.82	-82.49	-17.07
		408	957.14	240.51	-1058.43	169.70	-987.63	-294.89	85.74	-37.48	30.03	18.23	-61.33
206	1	355	447.89	67.87	-408.22	-9.69	-330.66	-175.81	41.17	-49.01	3.32	-11.16	44.51
		348	474.46	61.07	-446.54	-9.69	-375.78	-175.81	16.44	-73.59	-33.35	-23.80	44.76
		575	497.13	-38.14	-467.33	-129.69	-375.78	-175.81	-37.50	-119.48	-43.21	-113.77	20.88
		157	460.12	-27.67	-432.68	-129.69	-330.66	-175.81	-2.25	-105.44	-6.55	-101.13	20.62
206	2	355	448.56	26.11	-416.83	-49.08	-341.65	-166.28	42.52	-49.76	0.05	-7.29	45.99
		348	473.05	18.94	-455.61	-49.08	-387.59	-166.28	18.22	-75.67	-37.02	-20.42	46.21
		575	490.46	-39.94	-467.13	-119.47	-387.59	-166.28	-40.48	-115.67	-46.91	-109.24	21.03
		157	451.07	-30.59	-430.53	-119.47	-341.65	-166.28	-5.07	-100.87	-9.83	-96.11	20.81
206	3	355	465.72	1.62	-425.29	-85.49	-338.19	-172.04	43.38	-51.96	-6.88	-1.70	47.60
		348	486.66	-6.52	-460.32	-85.49	-381.36	-172.04	21.18	-78.10	-42.26	-14.66	47.68
		575	466.96	-10.80	-461.23	-90.67	-381.36	-172.04	-43.52	-109.58	-52.29	-100.81	22.41
		157	427.91	-2.50	-426.36	-90.67	-338.19	-172.04	-10.46	-94.29	-16.90	-87.85	22.32
206	4	355	352.52	0.13	-425.04	-86.51	-338.40	-171.26	31.87	-35.79	18.76	-22.68	26.73
		348	361.27	-8.43	-462.16	-86.51	-384.09	-171.26	0.54	-56.87	-20.15	-36.18	27.56
		575	579.82	-10.39	-462.57	-88.88	-384.09	-171.26	-28.37	-130.20	-28.41	-130.16	1.97
		157	556.17	-1.76	-425.52	-88.88	-338.40	-171.26	10.51	-116.68	10.50	-116.67	1.14
206	5	355	348.91	5.43	-419.02	-79.29	-334.30	-169.65	31.07	-35.08	17.88	-21.89	26.43
		348	359.31	-2.96	-456.36	-79.29	-380.03	-169.65	0.31	-56.01	-20.52	-35.18	27.19
		575	572.41	-12.02	-458.24	-90.24	-380.03	-169.65	-28.96	-128.77	-29.00	-128.73	2.01
		157	548.08	-3.28	-421.25	-90.24	-334.30	-169.65	9.41	-115.45	9.40	-115.44	1.26
206	6	355	350.64	7.65	-419.09	-78.88	-332.56	-171.57	30.60	-34.72	17.22	-21.34	26.36
		348	361.31	-0.84	-456.09	-78.88	-378.05	-171.57	0.19	-55.64	-20.93	-34.52	27.07
		575	569.49	-8.59	-457.73	-88.27	-378.05	-171.57	-29.48	-127.85	-29.53	-127.81	2.11
		157	545.18	0.19	-421.03	-88.27	-332.56	-171.57	8.63	-114.64	8.62	-114.62	1.40
206	7	355	348.44	-0.33	-420.13	-86.77	-333.68	-169.76	30.66	-34.82	17.51	-21.67	26.22
		348	357.60	-8.94	-457.02	-86.77	-379.19	-169.76	0.11	-55.68	-20.67	-34.90	26.97
		575	571.97	-7.09	-456.63	-84.53	-379.19	-169.76	-29.12	-128.33	-29.15	-128.29	1.92
		157	548.15	1.46	-419.67	-84.53	-333.68	-169.76	9.04	-115.08	9.03	-115.07	1.17
206	8	355	371.16	8.17	-328.23	-63.16	-256.90	-137.50	33.88	-43.36	-7.54	-1.94	38.52
		348	388.32	1.02	-357.78	-63.16	-293.61	-137.50	16.97	-63.21	-34.42	-11.81	38.46
		575	373.97	-5.19	-359.17	-70.75	-293.61	-137.50	-35.73	-91.92	-43.32	-84.32	19.21
		157	340.99	2.22	-329.87	-70.75	-256.90	-137.50	-10.62	-80.27	-16.43	-74.46	19.26
206	9	355	301.59	33.99	-293.74	-20.42	-239.34	-121.94	27.77	-31.47	4.80	-8.50	28.86
		348	318.50	29.26	-319.75	-20.42	-270.07	-121.94	9.47	-49.00	-21.82	-17.71	29.16
		575	355.70	-24.65	-330.66	-85.24	-270.07	-121.94	-25.56	-81.83	-28.12	-79.27	11.71
		157	332.23	-18.05	-306.53	-85.24	-239.34	-121.94	0.35	-71.91	-1.50	-70.06	11.41
206	10	355	311.94	-2.85	-303.20	-62.52	-243.52	-119.85	28.55	-32.65	-0.86	-3.24	30.58
		348	325.63	-8.30	-327.39	-62.52	-273.16	-119.85	11.88	-51.29	-26.77	-12.64	30.78
		575	338.69	-9.16	-327.57	-63.57	-273.16	-119.85	-29.46	-75.78	-33.16	-72.07	12.56
		157	314.09	-3.68	-303.40	-63.57	-243.52	-119.85	-4.62	-65.31	-7.25	-62.68	12.36
206	11	355	248.87	0.51	-299.76	-58.85	-240.39	-119.59	22.22	-23.85	12.52	-14.15	18.78
		348	256.20	-5.13	-325.05	-58.85	-271.33	-119.59	0.53	-39.11	-14.92	-23.67	19.33
		575	397.01	-7.94	-325.62	-62.24	-271.33	-119.59	-20.49	-87.10	-20.51	-87.07	1.28
		157	380.75	-2.20	-300.43	-62.24	-240.39	-119.59	6.93	-77.56	6.93	-77.56	0.73
207	1	24	1.169e+04	125.48	-1728.40	-1707.09	104.17	-197.61	53.16	-10.15	-10.15	53.16	-0.58
		27	1.204e+04	-7.24	-1772.77	-1765.33	-14.69	-114.41	44.70	-23.41	-22.73	44.02	-6.80
		298	9169.48	-5.49	-1437.32	-1428.12	-14.69	-114.41	16.42	-27.27	-25.23	14.38	-9.22
		297	8564.99	130.20	-1395.91	-1369.88	104.17	-197.61	23.77	-12.90	-12.65	23.53	-3.00
207	2	24	1.255e+04	135.14	-1902.30	-1876.59	109.42	-227.43	53.91	-11.36	-11.18	53.72	-3.49
		27	1.301e+04	-6.68	-1948.41	-1938.39	-16.70	-139.15	45.78	-25.95	-26.64	44.47	-9.59
		298	9930.51	-4.16	-1560.42	-1547.88	-16.70	-139.15	18.01	-29.72	-26.44	14.72	-12.09
		297	9246.18	141.21	-1517.87	-1486.08	109.42	-227.43	24.92	-13.91	-12.97	23.97	-5.98
207	3	24	1.140e+04	109.58	-1674.12	-1655.59	91.05	-180.86	53.35	-9.45	-9.44	53.35	-0.66
		27	1.177e+04	-5.83	-1713.33	-1706.44	-12.72	-108.22	44.83	-22.80	-22.11	44.14	-6.81
		298	8926.22	-4.21	-1389.85	-1381.34	-12.72	-108.22	16.61	-26.60	-24.49	14.49	-9.32
		297	8298.74	113.70	-1353.15	-1330.50	91.05	-180.86	23.98	-12.10	-11.82	23.70	-3.17
207	4	24	1.151e+04	124.60	-1689.43	-1668.89	104.05	-191.94	53.44	-9.48	-9.47	53.43	-0.65
		27	1.185e+04	-7.68	-1733.92	-1727.02	-14.58	-108.89	44.88	-22.87	-22.18	44.19	-6.79
		298	9012.34	-6.10	-1412.38	-1403.90	-14.58	-108.89	16.59	-26.64	-24.53	14.48	-9.33
		297	8410.84	129.03	-1370.75	-1345.77	104.05	-191.94	24.00	-12.10	-11.82	23.72	-3.19
207	5	24	1.165e+04	127.06	-1717.78	-1696.46	105.74	-197.16	53.47	-9.72	-9.71	53.46	-0.91
		27	1.200e+04	-7.73	-1762.88	-1755.62	-14.98	-112.65	44.95	-23.24	-22.51	44.21	-7.05
		298	9141.59	-6.05	-1435.38	-1426.44	-14.98	-112.65	16.72	-27.01	-27.79	14.50	-9.60
		297	8532.52	131.67	-1393.22	-1367.29	105.74	-197.16	24.08	-12.33	-12.00	23.75	-3.46
207	6	24	1.176e+04	128.82	-1741.99	-1720.65	107.48	-198.65	53.25	-10.16	-10.16	53.24	-0.66
		27	1.211e+04	-7.84	-1787.87	-1780.68	-15.03	-112.90	44.74	-23.50	-22.81	44.04	-6.86
		298	9275.41	-6.23	-1463.30	-1454.50	-15.03	-112.90	16.49	-27.34	-25.25	14.41	-9.33

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		297	8674.13	133.31	-1420.30	-1394.47	107.48	-198.65	23.88	-12.87	-12.60	23.61	-3.13
207	7	24	1.147e+04	124.02	-1682.94	-1662.50	103.57	-191.13	53.41	-9.43	-9.43	53.41	-0.52
		27	1.182e+04	-7.59	-1727.21	-1720.34	-14.46	-108.50	44.83	-22.77	-22.10	44.17	-6.67
		298	8994.11	-6.03	-1410.40	-1401.97	-14.46	-108.50	16.53	-26.54	-24.48	14.47	-9.20
		297	8394.85	128.38	-1368.94	-1344.13	103.57	-191.13	23.96	-12.06	-11.80	23.70	-3.06
207	8	24	8869.35	83.31	-1291.29	-1277.21	69.23	-138.40	42.47	-7.07	-7.07	42.47	-0.31
		27	9159.82	-4.36	-1321.13	-1315.85	-9.64	-83.19	35.65	-17.62	-17.11	35.14	-5.18
		298	6918.94	-3.12	-1072.63	-1066.12	-9.64	-83.19	13.15	-20.62	-19.00	11.54	-7.20
		297	6423.18	86.43	-1044.67	-1027.48	69.23	-138.40	19.06	-9.16	-8.96	18.87	-2.33
207	9	24	8155.88	88.69	-1216.25	-1201.22	73.66	-139.24	36.28	-7.31	-7.31	36.27	-0.63
		27	8405.88	-5.18	-1247.64	-1242.41	-10.40	-80.40	30.54	-16.45	-15.94	30.03	-4.89
		298	6424.48	-3.95	-1011.26	-1004.81	-10.40	-80.40	11.29	-19.10	-17.63	9.82	-6.52
		297	6007.96	92.03	-981.98	-963.62	73.66	-139.24	16.26	-9.20	-9.00	16.06	-2.26
207	10	24	7995.40	79.85	-1186.09	-1172.61	66.37	-129.94	36.39	-6.92	-6.91	36.38	-0.67
		27	8255.73	-4.39	-1214.61	-1209.70	-9.31	-76.96	30.61	-16.11	-15.59	30.10	-4.89
		298	6289.27	-3.24	-984.89	-978.82	-9.31	-76.96	11.39	-18.73	-17.22	9.88	-6.58
		297	5859.80	82.85	-958.22	-941.74	66.37	-129.94	16.38	-8.76	-8.54	16.16	-2.35
207	11	24	8194.73	90.55	-1223.80	-1208.76	75.50	-139.82	36.33	-7.32	-7.31	36.32	-0.67
		27	8442.51	-5.51	-1256.02	-1250.94	-10.59	-79.56	30.56	-16.50	-15.98	30.04	-4.92
		298	6483.34	-4.36	-1025.70	-1019.46	-10.59	-79.56	11.33	-19.14	-17.64	9.83	-6.58
		297	6068.64	93.75	-995.53	-977.28	75.50	-139.82	16.32	-9.19	-8.97	16.10	-2.33
208	1	21	9965.85	164.57	-1392.23	-1337.75	110.09	-286.08	54.30	-4.23	-4.08	54.14	3.02
		24	1.034e+04	-2.25	-1430.94	-1405.34	-27.85	-189.52	42.84	-20.58	-20.42	42.68	-3.19
		297	6937.18	10.29	-969.57	-931.43	-27.85	-189.52	16.87	-21.65	-20.24	15.46	-7.23
		167	6325.63	187.90	-941.65	-863.84	110.09	-286.08	26.95	-3.92	-3.89	26.91	-1.02
208	2	21	1.055e+04	180.45	-1500.79	-1437.92	117.58	-318.98	54.24	-4.84	-4.84	54.24	-0.20
		24	1.098e+04	-3.51	-1542.13	-1512.01	-33.62	-213.14	43.65	-22.09	-21.45	43.01	-6.46
		297	7518.82	11.22	-1046.62	-1001.78	-33.62	-213.14	18.12	-23.83	-21.15	15.44	-10.25
		167	6872.34	207.23	-1017.34	-927.69	117.58	-318.98	27.18	-5.05	-4.55	26.68	-4.00
208	3	21	9806.35	172.07	-1341.42	-1288.65	119.30	-277.64	54.65	-3.61	-3.47	54.51	2.84
		24	1.013e+04	-9.15	-1384.30	-1362.34	-31.10	-172.36	43.09	-20.04	-19.87	42.92	-3.29
		297	6843.42	0.81	-962.09	-930.18	-31.10	-172.36	17.02	-21.13	-19.60	15.49	-7.50
		167	6285.71	192.76	-929.95	-856.48	119.30	-277.64	27.13	-3.26	-3.20	27.07	-1.37
208	4	21	9859.92	162.35	-1366.78	-1313.53	109.11	-280.34	54.49	-3.74	-3.61	54.36	2.76
		24	1.023e+04	-1.58	-1404.93	-1379.99	-26.52	-185.40	43.08	-20.15	-19.97	42.90	-3.36
		297	6841.59	10.62	-952.11	-914.97	-26.52	-185.40	17.05	-21.22	-19.70	15.53	-7.47
		167	6237.67	185.14	-924.55	-848.51	109.11	-280.34	27.05	-3.40	-3.34	27.00	-1.35
208	5	21	9955.41	164.67	-1387.35	-1332.75	110.06	-285.95	54.45	-3.89	-3.79	54.34	2.48
		24	1.034e+04	-1.35	-1425.76	-1399.98	-27.14	-189.91	43.12	-20.40	-20.19	42.90	-3.67
		297	6927.68	11.33	-964.81	-926.35	-27.14	-189.91	17.15	-21.52	-19.91	15.53	-7.74
		167	6315.67	188.14	-937.20	-859.12	110.06	-285.95	27.05	-3.59	-3.50	26.97	-1.60
208	6	21	1.005e+04	168.50	-1410.42	-1355.08	113.16	-290.37	54.37	-4.24	-4.10	54.23	2.87
		24	1.043e+04	-1.62	-1449.90	-1424.01	-27.51	-191.91	42.92	-20.69	-20.52	42.74	-3.31
		297	7016.00	10.93	-985.60	-947.16	-27.51	-191.91	16.96	-21.73	-20.26	15.49	-7.40
		167	6405.91	191.95	-957.03	-878.24	113.16	-290.37	27.03	-3.89	-3.85	26.98	-1.21
208	7	21	9838.39	162.31	-1362.41	-1309.27	109.17	-279.64	54.51	-3.72	-3.57	54.36	2.91
		24	1.020e+04	-1.69	-1400.57	-1375.75	-26.51	-184.67	43.05	-20.09	-19.92	42.89	-3.22
		297	6825.75	10.37	-951.18	-914.30	-26.51	-184.67	17.00	-21.13	-19.66	15.53	-7.34
		167	6224.71	184.89	-923.54	-847.82	109.17	-279.64	27.06	-3.35	-3.31	27.01	-1.22
208	8	21	7653.70	133.79	-1034.30	-993.66	93.15	-214.04	43.54	-2.56	-2.43	43.41	2.44
		24	7892.36	-7.73	-1067.89	-1051.25	-24.37	-131.78	34.31	-15.53	-15.42	34.19	-2.40
		297	5318.19	-0.28	-745.24	-721.15	-24.37	-131.78	13.49	-16.37	-15.21	12.32	-5.78
		167	4885.00	149.50	-719.92	-663.57	93.15	-214.04	21.58	-2.26	-2.22	21.54	-0.94
208	9	21	6941.49	115.89	-979.90	-941.49	77.48	-201.54	37.01	-3.16	-3.07	36.92	1.85
		24	7210.18	-1.43	-1007.10	-989.01	-19.51	-133.65	29.24	-14.41	-14.28	29.11	-2.41
		297	4854.41	7.47	-681.37	-654.39	-19.51	-133.65	11.58	-15.17	-14.14	10.54	-5.15
		167	4430.59	132.42	-661.80	-606.86	77.48	-201.54	18.39	-2.97	-2.94	18.36	-0.88
208	10	21	6851.84	120.06	-951.67	-914.21	82.59	-196.85	37.20	-2.82	-2.74	37.13	1.75
		24	7088.32	-5.27	-981.17	-965.12	-21.32	-124.11	29.38	-14.12	-13.97	29.24	-2.47
		297	4802.18	2.17	-677.18	-653.69	-21.32	-124.11	11.66	-14.89	-13.79	10.56	-5.30
		167	4408.10	135.11	-655.29	-602.78	82.59	-196.85	18.50	-2.61	-2.55	18.44	-1.08
208	11	21	6990.59	118.08	-990.01	-951.12	79.19	-203.93	37.05	-3.17	-3.09	36.97	1.77
		24	7260.30	-1.07	-1017.63	-999.38	-19.32	-134.97	29.28	-14.48	-14.33	29.14	-2.49
		297	4898.26	7.83	-690.28	-663.13	-19.32	-134.97	11.63	-15.22	-14.16	10.56	-5.24
		167	4475.41	134.67	-670.34	-614.86	79.19	-203.93	18.44	-2.96	-2.91	18.39	-0.99
209	1	504	548.45	311.03	-570.99	311.03	-570.99	-1.86	0.76	-53.50	-26.01	-26.72	27.13
		357	614.03	311.03	-647.90	311.03	-647.90	-1.86	23.89	-28.93	5.69	-10.72	25.10
		112	610.07	-97.55	-647.91	-97.56	-647.90	-1.86	23.75	-92.78	-5.94	-63.08	50.78
		325	581.27	-97.55	-571.00	-97.56	-570.99	-1.86	-1.64	-115.09	-37.64	-79.08	52.80
209	2	504	539.66	266.77	-579.04	266.65	-578.92	-9.84	28.03	-53.85	-14.66	-11.17	40.90
		357	581.63	266.76	-655.50	266.65	-655.40	-9.84	35.02	-36.90	1.81	-3.69	35.85
		112	589.55	-89.01	-655.57	-89.18	-655.40	-9.84	12.55	-91.22	-18.33	-60.34	47.44

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		325	558.19	-88.98	-579.12	-89.18	-578.92	-9.84	3.72	-106.34	-34.80	-67.83	52.49
209	3	504	584.21	237.88	-578.68	237.86	-578.65	-4.44	65.62	-55.09	0.17	10.36	60.14
		357	611.19	237.88	-660.38	237.86	-660.36	-4.44	51.65	-50.85	-5.03	5.83	50.97
		112	569.44	-56.85	-660.39	-56.88	-660.36	-4.44	-2.75	-90.47	-36.74	-56.49	42.73
		325	529.96	-56.84	-578.69	-56.88	-578.65	-4.44	11.15	-94.65	-31.54	-51.95	51.91
209	4	504	566.39	240.67	-582.48	240.67	-582.47	0.28	-21.33	-44.73	-21.37	-44.70	-0.89
		357	635.11	240.67	-659.06	240.67	-659.06	0.28	19.70	-23.21	19.70	-23.20	-0.48
		112	663.23	-62.14	-659.06	-62.14	-659.06	0.28	25.77	-88.78	14.29	-77.30	34.40
		325	623.48	-62.14	-582.48	-62.14	-582.47	0.28	-13.27	-112.30	-26.78	-98.79	33.99
209	5	504	561.64	244.86	-577.09	244.85	-577.08	2.01	-22.29	-44.26	-22.35	-44.20	-1.09
		357	629.31	244.86	-651.45	244.85	-651.45	2.01	18.99	-22.60	18.98	-22.59	-0.67
		112	654.43	-64.16	-651.45	-64.16	-651.45	2.01	25.30	-87.84	13.64	-76.18	34.40
		325	616.75	-64.16	-577.09	-64.16	-577.08	2.01	-13.92	-111.56	-27.69	-97.80	33.98
209	6	504	558.32	245.08	-575.33	245.07	-575.33	2.21	-22.92	-43.79	-22.97	-43.74	-1.01
		357	626.16	245.08	-649.99	245.07	-649.98	2.21	18.42	-22.12	18.41	-22.11	-0.61
		112	651.68	-61.69	-649.99	-61.70	-649.98	2.21	24.89	-87.26	13.04	-75.42	34.47
		325	613.89	-61.69	-575.34	-61.70	-575.33	2.21	-14.30	-111.08	-28.33	-97.05	34.08
209	7	504	557.94	238.71	-576.95	238.70	-576.93	3.50	-21.79	-43.49	-21.81	-43.48	-0.62
		357	625.25	238.71	-651.76	238.70	-651.74	3.50	18.75	-22.27	18.75	-22.27	-0.36
		112	655.41	-58.52	-651.76	-58.54	-651.74	3.50	24.50	-87.63	12.98	-76.11	34.04
		325	616.99	-58.52	-576.96	-58.54	-576.93	3.50	-13.90	-110.99	-27.57	-97.32	33.77
209	8	504	462.83	183.62	-442.71	183.58	-442.67	-5.03	57.55	-45.76	1.90	9.89	51.50
		357	477.87	183.62	-501.19	183.58	-501.15	-5.03	43.20	-44.23	-5.45	4.42	43.44
		112	446.15	-43.22	-501.20	-43.27	-501.15	-5.03	-6.65	-76.16	-33.23	-49.59	33.78
		325	417.96	-43.21	-442.74	-43.27	-442.67	-5.03	7.83	-77.82	-25.87	-44.12	41.84
209	9	504	388.97	209.26	-410.84	209.26	-410.84	-0.10	-4.25	-34.12	-17.87	-20.51	14.88
		357	437.60	209.26	-467.22	209.26	-467.22	-0.10	14.50	-16.76	6.03	-8.29	13.89
		112	435.14	-63.88	-467.22	-63.88	-467.22	-0.10	17.70	-61.82	-0.77	-43.35	33.58
		325	411.83	-63.88	-410.84	-63.88	-410.84	-0.10	-2.26	-77.99	-24.67	-55.57	34.57
209	10	504	386.13	168.61	-415.10	168.61	-415.10	-1.54	31.65	-34.87	-3.32	0.09	33.22
		357	408.99	168.61	-474.15	168.61	-474.14	-1.54	28.76	-27.77	0.08	0.91	28.26
		112	411.77	-41.28	-474.15	-41.28	-474.14	-1.54	2.30	-59.87	-17.88	-39.69	29.11
		325	383.28	-41.28	-415.10	-41.28	-415.10	-1.54	4.51	-66.29	-21.28	-40.50	34.07
209	11	504	396.31	172.62	-413.26	172.62	-413.25	2.16	-16.13	-30.01	-16.17	-29.96	-0.75
		357	445.59	172.62	-468.39	172.62	-468.38	2.16	13.11	-14.62	13.10	-14.62	-0.40
		112	459.35	-43.95	-468.39	-43.96	-468.38	2.16	18.52	-58.95	9.78	-50.20	24.52
		325	431.04	-43.95	-413.26	-43.96	-413.25	2.16	-9.15	-75.91	-19.50	-65.55	24.16
210	1	359	482.52	410.67	-253.59	346.34	-189.26	-196.45	26.24	-53.74	-1.20	-26.30	37.97
		364	454.29	413.11	-231.73	346.34	-164.96	-196.45	28.44	-44.36	5.87	-21.79	33.67
		352	434.24	130.95	-295.39	0.53	-164.96	-196.45	40.77	-42.11	-2.71	1.37	41.39
		357	457.62	123.80	-312.54	0.53	-189.26	-196.45	39.35	-52.27	-9.77	-3.14	45.69
210	2	359	544.72	347.04	-260.58	276.81	-190.35	-194.27	58.48	-39.89	0.57	18.02	48.40
		364	544.72	349.87	-239.75	276.81	-166.69	-194.27	50.56	-48.84	-10.41	12.12	48.41
		352	419.71	102.86	-306.70	-37.15	-166.69	-194.27	33.60	-44.91	-11.80	0.48	38.77
		357	425.06	95.07	-322.58	-37.15	-190.35	-194.27	41.71	-36.15	-0.81	6.38	38.77
210	3	359	653.50	254.36	-279.16	166.78	-191.58	-197.63	113.22	-33.15	1.66	78.40	62.32
		364	678.62	258.48	-259.12	166.78	-167.42	-197.63	94.60	-69.91	-33.78	58.46	68.11
		352	408.44	82.28	-323.84	-74.14	-167.42	-197.63	24.20	-50.28	-25.55	-0.53	35.08
		357	395.54	73.31	-339.02	-74.14	-191.58	-197.63	44.32	-15.01	9.89	19.42	29.28
210	4	359	377.56	249.84	-280.66	162.33	-193.15	-196.89	8.42	-52.22	5.45	-49.26	13.07
		364	382.30	254.19	-259.69	162.33	-167.84	-196.89	22.63	-40.95	21.45	-39.77	8.58
		352	352.90	81.15	-323.53	-74.53	-167.84	-196.89	30.45	-22.21	13.70	-5.46	24.52
		357	369.47	71.79	-339.47	-74.53	-193.15	-196.89	21.07	-38.32	-2.29	-14.96	29.02
210	5	359	383.33	258.76	-274.98	175.02	-191.24	-194.13	7.82	-53.29	5.01	-50.48	12.80
		364	389.33	262.88	-253.90	175.02	-166.04	-194.13	22.58	-41.66	21.57	-40.65	8.00
		352	349.21	83.69	-316.95	-67.21	-166.04	-194.13	30.31	-21.90	13.20	-4.80	24.50
		357	367.67	74.56	-333.02	-67.21	-191.24	-194.13	20.85	-38.83	-3.36	-14.62	29.30
210	6	359	381.66	255.53	-275.67	170.71	-190.84	-194.59	7.48	-53.70	4.67	-50.89	12.81
		364	387.95	259.72	-254.68	170.71	-165.67	-194.59	22.40	-41.91	21.43	-40.94	7.85
		352	350.05	84.20	-317.20	-67.33	-165.67	-194.59	30.19	-21.83	12.72	-4.36	24.57
		357	369.35	75.07	-333.23	-67.33	-190.84	-194.59	20.79	-39.15	-4.04	-14.32	29.53
210	7	359	368.36	241.03	-278.53	153.86	-191.37	-194.14	7.99	-51.22	4.99	-48.22	12.99
		364	372.80	245.45	-257.65	153.86	-166.06	-194.14	21.82	-40.07	20.66	-38.90	8.42
		352	347.68	79.16	-319.75	-74.53	-166.06	-194.14	29.55	-21.70	12.68	-4.82	24.09
		357	364.93	69.79	-335.68	-74.53	-191.37	-194.14	20.63	-37.76	-2.99	-14.14	28.66
210	8	359	534.90	198.34	-214.07	130.34	-146.07	-153.04	98.24	-26.81	1.33	70.10	52.22
		364	558.18	201.46	-198.96	130.34	-127.84	-153.04	81.85	-59.60	-30.15	52.40	57.43
		352	321.37	64.56	-249.57	-57.18	-127.84	-153.04	18.43	-41.94	-22.76	-0.76	28.11
		357	308.43	57.74	-260.98	-57.18	-146.07	-153.04	36.10	-10.43	8.72	16.95	22.89
210	9	359	312.92	264.22	-184.56	215.96	-136.30	-139.02	14.64	-36.39	-2.15e-03	-21.74	23.09
		364	291.98	266.18	-168.93	215.96	-118.71	-139.02	17.66	-29.16	6.33	-17.83	20.05
		352	293.81	83.94	-214.08	-11.43	-118.71	-139.02	27.10	-26.29	0.49	0.32	26.70

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
210	10	357	309.88	78.53	-226.26	-11.43	-136.30	-139.02	25.04	-34.47	-5.84	-3.60	29.73
		359	404.99	178.02	-199.40	116.20	-137.59	-139.67	59.55	-21.54	1.59	36.43	36.61
		364	415.19	181.00	-184.87	116.20	-120.08	-139.67	50.09	-39.04	-15.70	26.75	39.19
		352	279.15	57.16	-230.15	-52.91	-120.08	-139.67	17.42	-30.36	-12.20	-0.74	23.19
		357	275.48	50.70	-241.20	-52.91	-137.59	-139.67	27.72	-13.69	5.09	8.93	20.62
210	11	359	268.80	178.67	-197.46	118.39	-137.18	-137.98	5.29	-37.44	3.26	-35.40	9.11
		364	272.74	181.68	-182.40	118.39	-119.10	-137.98	15.71	-29.20	14.97	-28.47	5.71
		352	248.29	58.24	-226.46	-49.13	-119.10	-137.98	21.45	-15.25	9.06	-2.87	17.35
		357	261.46	51.68	-237.99	-49.13	-137.18	-137.98	14.83	-27.29	-2.65	-9.80	20.75
211	1	357	619.10	43.96	-751.31	-40.91	-666.45	-245.54	37.02	-51.16	1.69	-15.83	43.21
		352	516.39	88.29	-507.56	-40.91	-378.37	-245.54	19.79	-64.59	-18.96	-25.84	42.05
		549	424.38	77.51	-510.62	-54.74	-378.37	-245.54	-14.46	-81.22	-27.16	-68.52	26.20
		112	596.40	31.63	-752.81	-54.74	-666.45	-245.54	5.24	-70.26	-6.50	-58.52	27.36
211	2	357	634.34	7.94	-761.01	-79.48	-673.58	-244.09	41.80	-53.71	0.89	-12.81	47.26
		352	522.97	54.80	-523.18	-79.48	-388.90	-244.09	23.05	-65.09	-18.67	-23.37	44.00
		549	426.11	80.74	-515.77	-46.13	-388.90	-244.09	-16.01	-76.97	-31.81	-61.17	26.71
		112	573.26	37.64	-757.36	-46.13	-673.58	-244.09	4.16	-67.00	-12.24	-50.60	29.97
211	3	357	663.38	-23.15	-772.56	-116.64	-679.06	-247.64	47.87	-57.86	-1.79	-8.20	52.77
		352	538.61	29.95	-534.98	-116.64	-388.39	-247.64	27.39	-66.01	-19.43	-19.19	46.70
		549	456.32	109.14	-511.65	-14.13	-388.39	-247.64	-16.63	-73.92	-39.30	-51.25	28.02
		112	578.70	67.97	-761.16	-14.13	-679.06	-247.64	4.37	-66.29	-21.67	-40.26	34.09
211	4	357	536.91	-24.79	-769.73	-116.73	-677.78	-245.03	22.52	-36.76	13.13	-27.36	21.65
		352	410.22	28.07	-531.37	-116.73	-386.57	-245.03	4.90	-48.70	-6.97	-36.83	22.25
		549	525.44	105.35	-508.62	-16.70	-386.57	-245.03	-10.29	-84.76	-11.03	-84.02	7.40
		112	703.76	64.22	-758.70	-16.70	-677.78	-245.03	9.61	-75.10	9.06	-74.55	6.79
211	5	357	529.79	-19.54	-759.30	-108.87	-669.97	-241.04	21.98	-36.08	12.40	-26.49	21.55
		352	405.58	31.70	-522.19	-108.87	-381.62	-241.04	4.44	-48.07	-7.71	-35.92	22.15
		549	516.91	101.21	-501.96	-19.12	-381.62	-241.04	-11.05	-83.88	-11.81	-83.13	7.38
		112	693.40	60.43	-749.52	-19.12	-669.97	-241.04	8.86	-74.26	8.30	-73.70	6.79
211	6	357	527.02	-18.83	-758.55	-108.85	-668.52	-241.84	21.68	-35.73	11.85	-25.90	21.62
		352	406.93	32.82	-521.68	-108.85	-380.01	-241.84	4.18	-47.79	-8.28	-35.32	22.19
		549	514.64	104.01	-500.84	-16.82	-380.01	-241.84	-11.65	-83.25	-12.44	-82.47	7.46
		112	691.01	63.12	-748.46	-16.82	-668.52	-241.84	8.28	-73.64	7.70	-73.05	6.89
211	7	357	527.52	-26.25	-760.26	-116.18	-670.33	-240.67	21.81	-35.97	12.23	-26.39	21.49
		352	404.23	26.03	-523.48	-116.18	-381.28	-240.67	4.33	-47.82	-7.72	-35.77	21.98
		549	517.11	105.58	-500.25	-13.38	-381.28	-240.67	-11.31	-83.51	-12.05	-82.77	7.27
		112	694.03	65.35	-749.06	-13.38	-670.33	-240.67	8.46	-73.95	7.89	-73.39	6.78
211	8	357	522.47	-14.31	-590.45	-89.18	-515.58	-193.73	39.57	-48.14	-1.93	-6.64	43.79
		352	427.49	28.13	-409.11	-89.18	-291.80	-193.73	22.27	-54.97	-16.76	-15.94	38.62
		549	355.60	87.84	-390.66	-11.02	-291.80	-193.73	-16.34	-63.38	-34.00	-45.72	22.78
		112	444.97	54.78	-581.38	-11.02	-515.58	-193.73	1.46	-57.05	-19.17	-36.42	27.95
211	9	357	423.63	18.27	-540.13	-41.46	-480.40	-172.59	23.35	-32.88	2.62	-12.14	27.13
		352	348.76	50.12	-366.71	-41.46	-275.14	-172.59	11.73	-41.85	-11.29	-18.83	26.53
		549	308.09	56.94	-364.83	-32.76	-275.14	-172.59	-9.42	-53.60	-16.23	-46.78	15.95
		112	431.71	26.06	-539.21	-32.76	-480.40	-172.59	3.91	-46.32	-2.32	-40.09	16.56
211	10	357	448.32	-19.07	-551.87	-83.54	-487.41	-173.75	29.11	-36.33	0.68	-7.90	32.44
		352	361.65	17.65	-381.89	-83.54	-280.70	-173.75	15.83	-42.51	-11.54	-15.14	29.11
		549	305.50	74.74	-365.64	-10.20	-280.70	-173.75	-11.69	-48.47	-22.98	-37.19	16.96
		112	402.74	46.36	-543.97	-10.20	-487.41	-173.75	2.10	-42.80	-10.75	-29.95	20.29
211	11	357	376.05	-16.65	-544.11	-79.20	-481.55	-170.53	15.22	-24.69	8.26	-17.74	15.14
		352	288.62	19.27	-374.52	-79.20	-276.05	-170.53	3.38	-32.84	-5.35	-24.10	15.50
		549	359.29	71.89	-359.63	-11.69	-276.05	-170.53	-7.40	-55.18	-8.05	-54.53	5.54
		112	484.94	43.67	-536.92	-11.69	-481.55	-170.53	6.06	-48.66	5.56	-48.17	5.18
212	1	140	900.70	439.03	12.23	144.39	306.86	-197.33	40.83	-63.61	-29.73	6.94	48.89
		128	978.72	419.16	5.88	139.96	285.08	-193.48	2.75	-99.36	-64.31	-32.31	48.48
		443	1002.43	414.63	-9.42	110.56	294.66	-191.00	81.35	-39.20	-32.30	74.46	-27.99
		442	1118.94	425.09	-15.12	112.69	297.28	-199.82	120.16	-4.18	2.27	113.71	-27.57
212	2	140	927.95	443.83	11.10	145.78	309.16	-200.36	43.70	-66.39	-32.20	9.50	50.94
		128	1010.97	427.89	5.58	142.17	291.30	-197.55	4.43	-103.50	-68.26	-30.81	50.61
		443	1036.87	423.09	-8.76	114.99	299.34	-195.26	85.49	-41.36	-34.86	78.99	-27.97
		442	1153.60	431.53	-13.75	116.67	301.11	-202.64	125.45	-4.95	1.20	119.30	-27.64
212	3	140	888.61	398.16	10.01	131.17	277.00	-179.86	45.52	-65.33	-31.20	11.40	51.17
		128	985.90	392.44	5.91	129.64	268.71	-180.32	5.62	-104.85	-69.73	-29.50	51.44
		443	1027.89	385.16	-10.10	101.65	273.40	-178.00	90.39	-40.02	-33.30	83.68	-28.82
		442	1141.71	388.27	-13.91	102.06	272.30	-182.18	131.29	-1.49	5.23	124.58	-29.10
212	4	140	881.46	410.35	12.13	134.44	288.04	-183.71	43.34	-61.96	-25.34	6.73	50.15
		128	927.44	358.21	1.69	123.48	236.42	-169.08	4.97	-96.92	-58.05	-33.91	49.49
		443	961.14	363.08	-5.03	101.94	256.11	-167.14	83.56	-37.34	-29.30	75.52	-30.11
		442	1103.72	390.45	-13.93	108.17	268.34	-185.65	123.39	-3.83	3.41	116.16	-29.46
212	5	140	887.54	428.57	12.96	141.16	300.37	-191.95	41.82	-62.42	-28.56	7.97	48.81
		128	950.20	389.13	3.92	132.75	260.31	-181.74	4.81	-97.44	-61.57	-31.06	48.80
		443	984.94	389.71	-7.41	106.08	276.21	-179.41	83.61	-37.76	-30.87	76.72	-28.08

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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212	6	442	1116.76	410.39	-15.25	110.68	284.47	-194.27	122.30	-4.41	2.14	115.74	-28.06
		140	864.70	397.50	12.47	131.08	278.90	-177.76	41.04	-63.91	-30.07	7.20	49.05
		128	934.84	362.83	4.24	123.65	243.42	-169.00	4.43	-99.54	-63.72	-31.39	49.41
		443	956.01	362.56	-7.36	97.54	257.66	-166.74	83.17	-37.79	-31.46	76.83	-26.95
		442	1083.66	380.74	-14.53	101.55	264.66	-180.02	121.67	-4.05	2.20	115.42	-27.31
212	7	140	840.51	368.26	12.52	121.33	259.45	-163.92	40.31	-64.20	-29.23	5.34	49.31
		128	908.95	331.85	4.09	113.55	222.38	-154.58	3.58	-99.96	-62.95	-33.43	49.62
		443	919.59	332.16	-7.17	87.83	237.16	-152.35	81.60	-37.25	-30.74	75.09	-27.05
		442	1047.96	351.20	-14.47	92.06	244.67	-166.15	120.25	-3.40	2.99	113.86	-27.36
212	8	140	687.54	309.33	7.49	101.91	214.90	-139.95	35.44	-50.29	-24.17	9.33	39.46
		128	764.68	307.58	4.71	101.27	211.02	-141.14	4.46	-81.00	-54.23	-22.31	39.64
		443	800.18	301.32	-8.02	79.54	213.76	-139.35	70.20	-31.08	-25.88	65.00	-22.34
		442	886.21	302.33	-10.65	79.52	212.16	-141.74	101.83	-1.02	4.18	96.64	-22.53
212	9	140	630.62	300.40	8.72	98.82	210.30	-134.76	28.94	-45.35	-21.04	4.63	34.86
		128	684.64	283.66	3.89	95.14	192.40	-131.16	2.12	-70.75	-45.44	-23.19	34.70
		443	698.72	281.21	-6.34	74.84	200.03	-129.44	57.89	-27.47	-22.65	53.06	-19.71
		442	783.67	290.00	-10.65	76.69	202.67	-136.49	85.45	-2.81	1.75	80.88	-19.55
212	10	140	623.84	277.69	7.49	91.48	193.71	-125.06	31.54	-46.29	-21.85	7.10	36.12
		128	688.63	268.81	3.91	89.41	183.31	-123.85	3.70	-73.78	-48.45	-21.63	36.34
		443	712.96	264.84	-6.72	69.89	188.22	-122.21	62.91	-27.93	-23.20	58.18	-20.18
		442	796.37	269.54	-9.97	70.78	188.79	-126.69	91.63	-1.32	3.39	86.92	-20.40
212	11	140	610.64	277.33	8.86	91.43	194.76	-123.89	29.06	-45.51	-21.22	4.77	34.94
		128	660.30	252.36	2.97	86.08	169.26	-117.56	3.06	-70.85	-45.11	-22.68	35.22
		443	673.02	252.28	-5.20	67.61	179.48	-115.96	58.90	-26.70	-22.18	54.38	-19.13
		442	764.12	265.36	-10.32	70.50	184.54	-125.49	86.28	-2.74	1.71	81.83	-19.41
213	1	446	1076.40	186.24	-11.31	174.79	0.14	-46.17	8.33	-143.88	-122.29	-13.26	53.11
		77	1076.40	186.24	-11.31	174.79	0.14	-46.17	8.33	-143.88	-122.29	-13.26	53.11
		124	1076.40	186.24	-11.31	174.79	0.14	-46.17	8.33	-143.88	-122.29	-13.26	53.11
213	2	446	1072.89	184.84	-29.00	171.11	-15.27	-52.42	5.21	-143.45	-122.99	-15.25	51.22
		77	1072.89	184.84	-29.00	171.11	-15.27	-52.42	5.21	-143.45	-122.99	-15.25	51.22
		124	1072.89	184.84	-29.00	171.11	-15.27	-52.42	5.21	-143.45	-122.99	-15.25	51.22
213	3	446	1050.87	166.75	-43.19	152.58	-29.02	-52.67	0.61	-144.03	-122.98	-20.44	51.01
		77	1050.87	166.75	-43.19	152.58	-29.02	-52.67	0.61	-144.03	-122.98	-20.44	51.01
		124	1050.87	166.75	-43.19	152.58	-29.02	-52.67	0.61	-144.03	-122.98	-20.44	51.01
213	4	446	1097.61	157.28	-30.98	153.26	-26.96	-27.23	10.79	-151.80	-121.73	-19.29	63.13
		77	1097.61	157.28	-30.98	153.26	-26.96	-27.23	10.79	-151.80	-121.73	-19.29	63.13
		124	1097.61	157.28	-30.98	153.26	-26.96	-27.23	10.79	-151.80	-121.73	-19.29	63.13
213	5	446	1078.13	208.03	1.75	201.99	7.79	-34.78	6.73	-144.20	-119.69	-17.77	55.66
		77	1078.13	208.03	1.75	201.99	7.79	-34.78	6.73	-144.20	-119.69	-17.77	55.66
		124	1078.13	208.03	1.75	201.99	7.79	-34.78	6.73	-144.20	-119.69	-17.77	55.66
213	6	446	1074.81	205.68	27.90	197.22	36.36	-37.86	4.88	-145.91	-123.26	-17.77	53.87
		77	1074.81	205.68	27.90	197.22	36.36	-37.86	4.88	-145.91	-123.26	-17.77	53.87
		124	1074.81	205.68	27.90	197.22	36.36	-37.86	4.88	-145.91	-123.26	-17.77	53.87
213	7	446	1053.81	164.75	7.49	159.94	12.30	-27.08	5.73	-147.65	-123.91	-18.00	55.47
		77	1053.81	164.75	7.49	159.94	12.30	-27.08	5.73	-147.65	-123.91	-18.00	55.47
		124	1053.81	164.75	7.49	159.94	12.30	-27.08	5.73	-147.65	-123.91	-18.00	55.47
213	8	446	808.41	129.84	-36.61	118.02	-24.79	-42.75	-0.05	-110.45	-94.55	-15.96	38.76
		77	808.41	129.84	-36.61	118.02	-24.79	-42.75	-0.05	-110.45	-94.55	-15.96	38.76
		124	808.41	129.84	-36.61	118.02	-24.79	-42.75	-0.05	-110.45	-94.55	-15.96	38.76
213	9	446	760.80	127.45	-6.17	120.47	0.81	-29.73	5.63	-102.82	-87.08	-10.11	38.20
		77	760.80	127.45	-6.17	120.47	0.81	-29.73	5.63	-102.82	-87.08	-10.11	38.20
		124	760.80	127.45	-6.17	120.47	0.81	-29.73	5.63	-102.82	-87.08	-10.11	38.20
213	10	446	746.66	116.55	-23.82	108.13	-15.39	-33.34	1.35	-102.91	-87.46	-14.10	37.04
		77	746.66	116.55	-23.82	108.13	-15.39	-33.34	1.35	-102.91	-87.46	-14.10	37.04
		124	746.66	116.55	-23.82	108.13	-15.39	-33.34	1.35	-102.91	-87.46	-14.10	37.04
213	11	446	759.92	138.30	15.56	132.93	20.93	-25.11	3.72	-103.96	-87.62	-12.61	38.62
		77	759.92	138.30	15.56	132.93	20.93	-25.11	3.72	-103.96	-87.62	-12.61	38.62
		124	759.92	138.30	15.56	132.93	20.93	-25.11	3.72	-103.96	-87.62	-12.61	38.62
214	1	124	1134.16	203.04	1.59	42.78	161.86	-81.24	-29.73	-169.56	-41.30	-157.99	38.52
		139	1073.06	66.93	-18.94	-6.10	54.09	-30.62	-21.20	-176.03	-44.53	-152.70	55.38
		445	782.80	119.81	18.91	31.32	107.39	-33.14	16.92	-103.13	-2.30	-83.92	44.02
		446	744.11	169.35	6.62	67.41	108.56	-78.72	8.49	-96.75	0.94	-89.21	27.15
214	2	124	1123.32	204.64	-5.19	31.74	167.71	-79.91	-31.70	-167.32	-43.29	-155.73	37.92
		139	1045.74	60.51	-28.25	-20.74	53.00	-24.69	-23.13	-172.92	-46.54	-149.51	54.39
		445	779.09	117.81	19.08	27.85	109.04	-28.10	16.22	-103.58	-4.81	-82.55	45.58
		446	748.99	169.00	9.56	66.89	111.67	-76.51	7.25	-97.59	-1.57	-88.77	29.10
214	3	124	1093.37	186.85	-12.82	18.07	155.96	-72.20	-34.06	-165.45	-44.45	-155.06	35.46
		139	1009.22	52.50	-35.94	-31.72	48.28	-18.85	-26.47	-169.37	-48.34	-147.50	51.45
		445	767.81	106.42	17.55	23.88	100.09	-22.86	15.54	-104.07	-6.40	-82.12	46.29
		446	746.21	154.18	11.21	61.24	104.15	-68.19	6.99	-99.18	-2.51	-89.69	30.30
214	4	124	1155.03	168.46	-16.46	25.23	126.78	-77.27	-22.37	-175.87	-30.87	-167.37	35.10
		139	1142.96	94.31	-24.47	-1.41	71.25	-46.99	-13.01	-179.43	-31.60	-160.83	52.43

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		445	845.79	127.61	14.34	45.44	96.52	-50.55	23.26	-109.19	7.85	-93.78	42.46
		446	797.55	159.57	7.94	66.00	101.51	-73.71	14.11	-105.84	8.58	-100.32	25.14
214	5	124	1126.80	211.68	-4.81	54.73	152.15	-96.67	-28.31	-167.99	-37.86	-158.45	35.25
		139	1124.30	146.35	-13.01	31.39	101.94	-71.44	-20.46	-172.52	-40.85	-152.13	51.81
		445	836.63	173.40	12.12	59.60	125.92	-73.50	18.49	-102.69	0.65	-84.85	42.94
		446	783.18	200.66	4.69	77.18	128.17	-94.61	10.48	-98.01	3.64	-91.17	26.37
214	6	124	1121.46	203.08	4.78	63.98	143.87	-90.75	-31.34	-170.16	-42.19	-159.30	37.28
		139	1129.23	144.98	-4.41	43.15	97.42	-69.59	-23.74	-175.74	-46.22	-153.26	53.96
		445	831.93	165.47	10.18	54.91	120.74	-70.32	16.49	-103.85	-3.15	-84.20	44.48
		446	772.86	188.83	1.87	70.15	120.55	-90.02	8.68	-98.05	0.87	-90.25	27.79
214	7	124	1110.98	174.50	5.80	51.16	129.13	-74.80	-30.34	-172.01	-40.97	-161.37	37.33
		139	1097.72	97.55	-6.07	23.66	67.82	-46.87	-22.95	-177.36	-44.95	-155.36	53.98
		445	806.04	125.21	12.60	39.20	98.60	-47.83	17.23	-105.53	-1.87	-86.43	44.50
		446	756.49	155.21	2.46	59.32	98.35	-73.83	9.70	-100.04	2.11	-92.44	27.85
214	8	124	840.09	145.98	-11.33	11.94	122.71	-55.85	-26.63	-126.74	-34.64	-118.73	27.16
		139	770.38	38.89	-30.52	-28.03	36.39	-12.92	-20.73	-129.69	-37.62	-112.79	39.44
		445	587.86	81.93	13.47	17.56	77.84	-16.22	11.73	-79.87	-5.42	-62.71	35.74
		446	573.13	119.60	9.24	47.58	81.26	-52.55	5.03	-76.12	-2.44	-68.65	23.46
214	9	124	801.57	138.62	1.53	30.76	109.39	-56.15	-21.07	-120.81	-29.11	-112.78	27.14
		139	764.53	50.27	-11.60	-0.89	39.56	-23.41	-15.24	-125.19	-31.53	-108.90	39.06
		445	559.21	84.32	12.77	22.96	74.13	-25.01	12.18	-73.72	-1.43	-60.11	31.37
		446	530.61	116.95	4.19	46.31	74.82	-54.55	6.37	-69.36	0.99	-63.99	19.45
214	10	124	778.93	129.38	-6.23	17.04	106.11	-51.13	-23.47	-118.53	-30.86	-111.15	25.44
		139	729.06	41.37	-20.16	-15.12	36.33	-16.87	-18.16	-121.49	-33.64	-106.01	36.88
		445	550.85	76.53	12.37	18.83	70.07	-19.30	11.39	-74.21	-3.71	-59.11	32.63
		446	531.65	108.51	6.75	42.89	72.37	-48.70	5.52	-70.69	-0.92	-64.25	21.20
214	11	124	794.43	138.66	3.28	42.54	99.40	-61.43	-21.96	-121.15	-29.60	-113.51	26.45
		139	795.62	93.79	-3.69	26.47	63.63	-45.06	-16.64	-125.03	-32.46	-109.21	38.27
		445	586.36	109.82	7.79	36.06	81.55	-45.66	11.94	-74.11	-1.90	-60.27	31.62
		446	546.54	127.77	1.55	47.84	81.48	-60.82	6.48	-70.09	0.95	-64.56	19.81
215	1	360	541.05	-127.56	-842.53	-148.02	-822.07	-119.18	7.84	-14.66	-5.29	-1.52	11.09
		361	501.87	-125.27	-772.49	-148.02	-749.75	-119.18	-2.00	-30.44	-25.00	-7.44	11.18
		316	586.44	-156.55	-773.69	-180.49	-749.75	-119.18	37.72	-19.29	-19.28	37.71	0.89
		303	628.82	-159.07	-843.50	-180.49	-822.08	-119.18	43.64	0.42	0.43	43.62	0.80
215	2	360	572.00	-133.06	-854.02	-146.81	-840.28	-98.59	14.86	-8.71	-4.40	10.56	9.11
		361	531.85	-131.55	-784.05	-146.81	-768.80	-98.59	7.58	-25.66	-23.14	5.07	8.79
		316	627.65	-187.43	-785.52	-204.16	-768.80	-98.59	54.04	-18.43	-18.43	54.03	-0.60
		303	670.67	-189.22	-855.21	-204.16	-840.28	-98.59	59.52	0.31	0.31	59.52	-0.28
215	3	360	682.98	-157.69	-923.73	-183.44	-897.98	-138.07	42.23	-3.69	1.06	37.48	13.99
		361	638.21	-154.79	-848.90	-183.44	-820.26	-138.07	32.44	-27.73	-24.57	29.28	13.42
		316	750.43	-171.57	-849.65	-200.96	-820.26	-138.07	84.33	-20.04	-20.02	84.31	-1.42
		303	796.89	-174.61	-924.33	-200.96	-897.98	-138.07	92.51	5.61	5.61	92.51	-0.86
215	4	360	677.78	-163.24	-908.75	-185.35	-886.64	-126.48	4.96	-54.03	1.20	-50.28	14.41
		361	631.95	-160.97	-841.35	-185.35	-816.97	-126.48	-18.03	-63.62	-23.63	-58.02	14.96
		316	557.28	-172.22	-841.78	-197.03	-816.97	-126.48	-17.17	-23.11	-17.40	-22.88	1.15
		303	601.06	-174.57	-909.11	-197.03	-886.64	-126.48	7.45	-15.15	7.43	-15.13	0.59
215	5	360	601.64	-131.48	-869.64	-154.46	-846.67	-128.19	5.71	-32.47	1.04	-27.80	12.52
		361	553.43	-129.00	-799.82	-154.46	-774.36	-128.19	-12.94	-42.23	-20.75	-34.42	12.95
		316	511.53	-168.00	-801.46	-195.10	-774.36	-128.19	4.11	-14.65	-14.55	4.01	1.33
		303	555.28	-170.79	-870.98	-195.10	-846.67	-128.19	10.85	7.01	7.23	10.64	0.89
215	6	360	540.34	-132.40	-839.68	-150.74	-821.34	-112.42	10.49	-19.46	2.13	-11.10	13.43
		361	493.58	-130.33	-769.87	-150.74	-749.45	-112.42	-5.35	-32.58	-20.01	-17.92	13.57
		316	542.68	-154.57	-770.70	-175.82	-749.45	-112.42	22.66	-14.70	-14.64	22.60	1.49
		303	585.94	-156.80	-840.36	-175.82	-821.34	-112.42	29.50	7.42	7.50	29.42	1.35
215	7	360	531.40	-151.56	-843.53	-170.07	-825.02	-111.63	14.18	-21.81	1.73	-9.36	17.12
		361	486.73	-149.41	-773.50	-170.07	-752.85	-111.63	-2.02	-36.85	-22.04	-16.83	17.22
		316	558.46	-143.58	-773.30	-164.04	-752.85	-111.63	25.29	-17.01	-16.66	24.94	3.84
		303	600.99	-145.69	-843.37	-164.04	-825.02	-111.63	32.94	6.57	7.11	32.40	3.74
215	8	360	535.23	-119.95	-710.72	-140.58	-690.09	-108.44	35.74	-2.52	0.47	32.75	10.26
		361	500.60	-117.63	-652.98	-140.58	-630.03	-108.44	28.59	-20.89	-18.87	26.58	9.78
		316	588.86	-133.64	-653.72	-157.33	-630.03	-108.44	69.75	-15.46	-15.44	69.73	-1.39
		303	624.83	-136.10	-711.32	-157.33	-690.09	-108.44	75.91	3.89	3.91	75.90	-0.91
215	9	360	384.96	-96.23	-605.63	-110.28	-591.57	-83.45	6.70	-11.41	-2.37	-2.34	9.06
		361	356.82	-94.65	-555.66	-110.28	-540.02	-83.45	-1.73	-22.80	-17.56	-6.98	9.11
		316	416.87	-109.83	-556.21	-126.02	-540.02	-83.45	24.90	-13.57	-13.55	24.87	0.93
		303	447.10	-111.52	-606.08	-126.02	-591.57	-83.45	29.54	1.61	1.64	29.51	0.88
215	10	360	463.81	-113.02	-650.69	-129.96	-633.74	-93.94	24.26	-3.77	1.16	19.33	10.67
		361	432.46	-111.11	-598.05	-129.96	-579.19	-93.94	16.59	-20.48	-17.32	13.42	10.36
		316	507.92	-118.24	-598.34	-137.39	-579.19	-93.94	50.77	-13.96	-13.96	50.76	-0.35
		303	540.43	-120.21	-650.93	-137.39	-633.74	-93.94	56.67	4.52	4.52	56.67	-0.04
215	11	360	386.91	-98.90	-604.07	-111.80	-591.17	-79.69	8.42	-14.33	1.75	-7.66	10.36
		361	353.93	-97.44	-554.21	-111.80	-539.86	-79.69	-3.30	-24.28	-14.78	-12.80	10.44

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		316	392.52	-108.69	-554.59	-123.42	-539.86	-79.69	16.54	-11.03	-10.97	16.48	1.27
		303	423.27	-110.22	-604.37	-123.42	-591.17	-79.69	21.71	5.48	5.57	21.62	1.19
216	1	382	595.46	538.08	-352.86	532.81	-347.59	-68.35	12.35	-65.05	-40.59	-12.11	-35.98
		370	565.25	538.32	-314.29	532.81	-308.78	-68.35	47.34	-27.77	11.92	7.64	-37.49
		83	249.30	-111.33	-332.44	-134.99	-308.78	-68.35	23.82	8.20	8.35	23.67	1.54
		361	273.46	-114.91	-367.67	-134.99	-347.59	-68.35	4.10	-44.35	-44.16	3.91	3.05
216	2	382	630.91	568.04	-356.41	565.52	-353.90	-48.15	21.07	-66.38	-38.20	-7.11	-40.87
		370	589.33	568.14	-318.80	565.52	-316.18	-48.15	58.59	-28.15	16.79	13.64	-43.34
		83	270.11	-121.67	-328.10	-133.59	-316.18	-48.15	35.45	10.18	10.38	35.24	-2.29
		361	296.10	-123.53	-363.96	-133.59	-353.90	-48.15	14.49	-44.60	-44.60	14.49	0.19
216	3	382	613.65	537.03	-376.01	531.48	-370.46	-70.94	26.24	-50.57	-29.95	5.62	-34.04
		370	569.23	537.28	-336.90	531.48	-331.10	-70.94	61.66	-14.86	21.76	25.04	-38.22
		83	335.31	-138.36	-357.21	-164.47	-331.10	-70.94	56.40	10.30	10.30	56.40	0.09
		361	360.61	-142.40	-392.53	-164.47	-370.46	-70.94	37.22	-41.64	-41.41	36.99	4.27
216	4	382	571.37	525.92	-374.16	521.87	-370.11	-60.23	-3.35	-70.13	-43.38	-30.10	-32.72
		370	580.91	526.11	-333.17	521.87	-328.93	-60.23	32.06	-33.53	9.05	-10.52	-31.30
		83	236.97	-146.58	-348.82	-166.47	-328.93	-60.23	15.20	-17.87	13.53	-16.20	7.24
		361	302.53	-149.99	-386.59	-166.47	-370.11	-60.23	-31.31	-43.37	-38.89	-35.78	5.82
216	5	382	590.51	557.53	-362.51	551.99	-356.98	-71.15	6.90	-66.56	-38.88	-20.78	-35.60
		370	599.59	557.78	-321.71	551.99	-315.92	-71.15	43.93	-29.10	15.30	-0.46	-35.65
		83	219.07	-114.42	-341.04	-139.54	-315.92	-71.15	17.16	2.72	15.66	4.22	4.40
		361	256.95	-118.33	-378.19	-139.54	-356.98	-71.15	-15.24	-39.37	-38.52	-16.09	4.46
216	6	382	571.31	527.38	-351.78	522.91	-347.31	-62.51	11.63	-58.80	-34.34	-12.83	-33.53
		370	567.03	527.59	-312.82	522.91	-308.15	-62.51	47.83	-22.37	18.50	6.96	-34.62
		83	237.87	-117.87	-328.69	-138.41	-308.15	-62.51	21.31	12.36	15.85	17.82	4.37
		361	249.35	-121.13	-364.59	-138.41	-347.31	-62.51	-1.13	-37.82	-36.99	-1.96	5.45
216	7	382	541.72	478.41	-353.08	473.86	-348.53	-61.32	7.71	-55.28	-35.18	-12.39	-29.36
		370	527.69	478.63	-314.16	473.86	-309.39	-61.32	43.09	-18.70	17.22	7.16	-30.48
		83	246.80	-135.83	-331.05	-157.49	-309.39	-61.32	24.77	8.31	14.50	18.58	7.97
		361	254.24	-139.51	-366.52	-157.49	-348.53	-61.32	1.15	-40.02	-37.90	-0.97	9.10
216	8	382	476.80	419.14	-287.38	414.75	-282.98	-55.55	21.82	-38.62	-22.61	5.81	-26.67
		370	440.92	419.34	-257.30	414.75	-252.71	-55.55	49.12	-11.24	17.14	20.74	-30.13
		83	264.10	-104.97	-273.60	-125.86	-252.71	-55.55	46.59	7.63	7.64	46.58	-0.65
		361	284.55	-108.20	-300.64	-125.86	-282.98	-55.55	31.77	-32.23	-32.11	31.65	2.81
216	9	382	415.86	371.78	-254.71	368.19	-251.12	-47.28	7.97	-44.62	-28.00	-8.65	-24.45
		370	396.46	371.94	-227.22	368.19	-223.47	-47.28	32.84	-18.24	9.25	5.35	-25.47
		83	178.30	-84.58	-239.56	-100.68	-223.47	-47.28	16.44	6.33	6.81	15.96	2.15
		361	192.97	-87.05	-264.74	-100.68	-251.12	-47.28	2.28	-30.76	-30.45	1.97	3.17
216	10	382	426.06	371.19	-267.56	367.45	-263.82	-48.72	15.67	-36.56	-22.10	1.21	-23.37
		370	398.40	371.36	-239.78	367.45	-235.87	-48.72	40.74	-11.01	14.72	15.01	-25.88
		83	225.33	-99.64	-253.29	-117.06	-235.87	-48.72	34.22	7.82	7.89	34.15	1.34
		361	241.32	-102.36	-278.52	-117.06	-263.82	-48.72	20.65	-29.22	-28.92	20.35	3.85
216	11	382	402.48	365.83	-254.10	362.69	-250.96	-44.04	7.56	-41.14	-24.53	-9.04	-23.09
		370	397.54	365.98	-226.41	362.69	-223.12	-44.04	33.14	-15.27	12.91	4.97	-23.87
		83	172.31	-88.21	-237.49	-102.58	-223.12	-44.04	15.67	8.02	10.97	12.71	3.72
		361	179.86	-90.50	-263.04	-102.58	-250.96	-44.04	-0.51	-27.25	-26.46	-1.29	4.51
217	1	361	540.79	-177.73	-764.42	-189.27	-752.88	-81.46	28.72	-8.97	-4.75	24.49	11.89
		83	584.60	-178.72	-818.60	-189.27	-808.05	-81.46	21.26	-33.24	-29.35	17.37	14.04
		305	528.59	-180.80	-818.63	-191.38	-808.05	-81.46	3.71	-23.31	-23.17	3.57	1.93
		316	487.43	-179.80	-764.46	-191.38	-752.88	-81.46	10.70	1.42	1.42	10.69	-0.22
217	2	361	576.14	-183.99	-777.36	-189.48	-771.87	-56.80	39.36	-6.41	-4.46	37.41	9.24
		83	622.01	-184.48	-834.65	-189.48	-829.65	-56.80	33.00	-29.57	-27.52	30.96	11.12
		305	572.97	-207.54	-834.83	-212.73	-829.65	-56.80	19.82	-22.02	-22.01	19.82	0.43
		316	530.70	-207.02	-777.58	-212.73	-771.87	-56.80	26.36	0.97	1.05	26.27	-1.45
217	3	361	676.20	-212.39	-835.67	-224.58	-823.48	-86.31	66.43	-2.31	0.37	63.75	13.31
		83	719.52	-213.40	-890.95	-224.58	-879.77	-86.31	57.71	-31.04	-28.42	55.09	15.01
		305	683.18	-202.45	-890.76	-213.44	-879.77	-86.31	47.27	-23.18	-23.18	47.27	-0.07
		316	640.83	-201.47	-835.45	-213.44	-823.48	-86.31	55.98	5.55	5.62	55.92	-1.77
217	4	361	548.71	-217.43	-829.46	-226.78	-820.12	-75.06	11.69	-30.48	3.34	-22.13	16.80
		83	594.87	-218.32	-892.55	-226.78	-884.09	-75.06	-11.00	-50.16	-28.98	-32.18	19.51
		305	682.93	-199.80	-892.32	-208.03	-884.09	-75.06	-22.68	-62.41	-22.74	-62.34	1.59
		316	643.76	-198.96	-829.19	-208.03	-820.12	-75.06	9.60	-52.31	9.58	-52.29	-1.11
217	5	361	492.27	-183.41	-790.03	-195.90	-777.54	-86.15	15.47	-13.21	2.76	-0.50	14.25
		83	534.11	-184.48	-846.01	-195.90	-834.59	-86.15	1.51	-35.79	-25.34	-8.94	16.75
		305	580.05	-194.99	-846.19	-206.60	-834.59	-86.15	-18.79	-32.99	-19.10	-32.69	2.05
		316	544.85	-193.88	-790.25	-206.60	-777.54	-86.15	9.01	-24.25	9.00	-24.25	-0.45
217	6	361	511.17	-182.95	-762.34	-192.74	-752.56	-74.65	24.92	-6.30	3.59	15.03	14.52
		83	552.13	-183.81	-817.17	-192.74	-808.24	-74.65	14.00	-31.28	-24.01	6.74	16.62
		305	515.01	-176.74	-817.07	-185.57	-808.24	-74.65	-12.27	-19.48	-18.76	-12.99	2.17
		316	479.95	-175.90	-762.22	-185.57	-752.56	-74.65	8.85	-4.70	8.85	-4.70	0.07
217	7	361	518.85	-202.38	-765.65	-212.08	-755.95	-73.30	29.31	-9.35	3.33	16.62	18.15
		83	558.39	-203.25	-820.54	-212.08	-811.71	-73.30	17.19	-35.40	-25.92	7.70	20.22

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		305	512.03	-165.30	-820.02	-173.61	-811.71	-73.30	-9.53	-22.50	-20.67	-11.36	4.51
		316	476.63	-164.53	-765.03	-173.61	-755.95	-73.30	9.09	-2.96	8.57	-2.44	2.44
217	8	361	529.23	-162.53	-642.17	-172.19	-632.51	-67.36	54.49	-1.88	-0.19	52.80	9.60
		83	562.38	-163.32	-684.10	-172.19	-675.24	-67.36	48.06	-23.45	-21.76	46.37	10.86
		305	537.46	-158.35	-684.02	-167.13	-675.24	-67.36	41.62	-17.75	-17.75	41.62	-0.30
		316	505.19	-157.57	-642.07	-167.13	-632.51	-67.36	48.11	3.76	3.81	48.06	-1.56
217	9	361	385.05	-131.83	-550.08	-139.67	-542.24	-56.73	20.49	-6.05	-1.89	16.33	9.65
		83	416.06	-132.52	-589.34	-139.67	-582.19	-56.73	14.36	-24.23	-20.65	10.78	11.19
		305	374.24	-126.54	-589.25	-133.60	-582.19	-56.73	-0.02	-16.54	-16.38	-0.19	1.63
		316	344.69	-125.87	-549.97	-133.60	-542.24	-56.73	5.36	2.38	2.39	5.36	0.09
217	10	361	460.13	-151.08	-589.67	-159.29	-581.46	-59.42	40.87	-1.78	0.96	38.14	10.44
		83	490.87	-151.78	-629.53	-159.29	-622.03	-59.42	34.27	-22.67	-20.14	31.74	11.73
		305	460.04	-138.55	-629.33	-145.86	-622.03	-59.42	24.10	-16.39	-16.38	24.09	0.52
		316	429.77	-137.90	-589.42	-145.86	-581.46	-59.42	30.51	4.69	4.72	30.49	-0.76
217	11	361	368.84	-134.72	-548.94	-141.60	-542.06	-52.95	18.78	-4.96	2.74	11.07	11.12
		83	398.13	-135.33	-588.56	-141.60	-582.29	-52.95	10.52	-23.34	-17.69	4.88	12.62
		305	371.07	-124.25	-588.41	-130.37	-582.29	-52.95	-8.78	-14.53	-13.92	-9.39	1.76
		316	345.72	-123.67	-548.76	-130.37	-542.06	-52.95	6.52	-3.20	6.51	-3.19	0.26
218	1	525	801.64	210.78	-1015.39	207.30	-1011.91	-65.22	-4.25	-32.80	-32.54	-4.51	-2.71
		383	744.03	211.02	-935.94	207.30	-932.22	-65.23	14.20	-1.41	-1.38	14.18	-0.62
		293	669.69	-203.65	-938.06	-209.49	-932.22	-65.23	49.75	-15.85	5.80	28.11	30.85
		319	698.37	-204.22	-1017.17	-209.49	-1011.91	-65.23	25.64	-41.58	-25.36	9.42	28.76
218	2	525	840.26	212.18	-1031.07	209.40	-1028.29	-58.72	6.96	-32.30	-31.99	6.65	-3.44
		383	782.94	212.36	-952.42	209.40	-949.46	-58.72	26.28	0.52	0.67	26.13	-1.97
		293	710.00	-232.39	-954.26	-237.20	-949.46	-58.72	60.92	-10.82	6.66	43.45	30.79
		319	737.77	-232.86	-1032.63	-237.20	-1028.29	-58.72	37.50	-39.54	-26.01	23.97	29.31
218	3	525	957.03	188.57	-1102.55	177.66	-1091.64	-118.18	39.51	-29.07	-29.04	39.48	1.38
		383	903.29	189.28	-1024.37	177.66	-1012.75	-118.18	56.89	0.44	0.62	56.71	3.20
		293	854.58	-206.64	-1030.08	-223.96	-1012.75	-118.18	88.48	-4.94	7.72	75.82	31.98
		319	886.27	-208.15	-1107.44	-223.96	-1091.63	-118.18	68.63	-31.99	-21.95	58.59	30.16
218	4	525	909.40	170.51	-1111.90	160.32	-1101.71	-113.85	-31.08	-57.32	-31.76	-56.64	-4.18
		383	836.48	171.40	-1009.94	160.32	-998.86	-113.85	5.28	-34.46	5.17	-34.34	-2.11
		293	696.24	-205.88	-1015.21	-222.23	-998.87	-113.85	31.46	-50.81	11.10	-30.46	35.50
		319	789.68	-207.73	-1116.21	-222.23	-1101.71	-113.85	-3.25	-75.33	-22.82	-52.75	33.43
218	5	525	821.66	206.05	-1054.08	200.26	-1048.29	-85.20	-26.52	-34.53	-29.09	-31.95	-3.74
		383	761.12	206.49	-965.16	200.26	-958.93	-85.20	4.60	-11.84	4.48	-11.72	-1.38
		293	612.25	-213.83	-968.67	-223.57	-958.93	-85.20	37.19	-30.26	11.58	-4.65	32.73
		319	686.67	-214.86	-1057.00	-223.57	-1048.29	-85.20	6.96	-53.85	-22.00	-24.89	30.37
218	6	525	769.59	209.99	-1015.45	207.31	-1012.77	-57.26	-12.71	-26.55	-26.48	-12.78	-0.99
		383	712.17	210.18	-934.92	207.31	-932.05	-57.26	6.00	3.08	3.72	5.36	1.22
		293	632.28	-204.07	-936.55	-208.58	-932.05	-57.26	44.65	-19.02	10.69	14.94	31.77
		319	659.59	-204.52	-1016.82	-208.58	-1012.76	-57.26	19.32	-42.02	-19.51	-3.19	29.56
218	7	525	773.59	190.14	-1019.77	187.31	-1016.94	-58.49	-9.57	-27.73	-27.30	-10.00	2.75
		383	717.22	190.35	-939.00	187.31	-935.96	-58.49	10.24	-1.18	1.69	7.37	4.95
		293	652.09	-191.67	-940.56	-196.27	-935.96	-58.49	48.45	-20.68	8.89	18.88	34.20
		319	681.72	-192.12	-1021.08	-196.27	-1016.93	-58.49	24.48	-43.07	-20.10	1.51	32.00
218	8	525	746.79	146.48	-847.11	137.22	-837.86	-95.45	34.61	-22.29	-22.27	34.60	0.98
		383	706.09	147.07	-787.91	137.22	-778.06	-95.45	47.70	0.03	0.15	47.58	2.35
		293	668.98	-159.21	-792.78	-173.93	-778.06	-95.45	71.68	-3.14	5.60	62.94	24.03
		319	693.24	-160.48	-851.31	-173.93	-837.86	-95.45	56.91	-23.78	-16.81	49.95	22.66
218	9	525	570.03	145.13	-730.57	142.74	-728.18	-45.72	-4.12	-22.60	-22.54	-4.19	-1.13
		383	528.80	145.30	-673.17	142.74	-670.61	-45.72	9.17	-0.26	-0.25	9.16	0.37
		293	478.53	-143.50	-674.58	-147.46	-670.61	-45.72	35.61	-12.11	4.85	18.65	22.84
		319	499.32	-143.89	-731.75	-147.46	-728.18	-45.72	18.12	-30.25	-17.44	5.31	21.34
218	10	525	656.28	132.51	-778.71	126.27	-772.47	-75.14	20.28	-20.63	-20.59	20.25	1.15
		383	617.27	132.92	-722.01	126.27	-715.35	-75.14	32.98	0.68	0.87	32.79	2.49
		293	581.21	-145.60	-725.26	-155.50	-715.35	-75.14	56.13	-5.05	5.91	45.16	23.47
		319	603.73	-146.49	-781.49	-155.50	-772.47	-75.14	41.24	-24.16	-15.55	32.62	22.12
218	11	525	552.26	144.69	-730.61	142.74	-728.65	-41.29	-8.78	-19.17	-19.17	-8.78	-0.17
		383	511.14	144.83	-672.61	142.74	-670.51	-41.29	5.05	1.80	2.59	4.26	1.39
		293	457.74	-143.72	-673.75	-146.96	-670.52	-41.29	32.88	-13.97	7.57	11.34	23.35
		319	477.77	-144.04	-731.57	-146.96	-728.65	-41.29	14.72	-30.61	-14.19	-1.70	21.79
219	1	384	1116.41	347.45	-1121.50	272.78	-1046.83	-322.65	-8.51	-95.60	-19.33	-84.77	-28.73
		371	868.71	385.68	-649.34	272.78	-536.45	-322.65	42.40	-71.28	26.87	-55.76	-39.03
		360	578.77	164.94	-684.88	16.52	-536.45	-322.65	24.02	1.53	8.42	17.13	10.37
		383	865.93	106.76	-1137.07	16.52	-1046.83	-322.65	-0.44	-49.22	-37.78	-11.88	20.67
219	2	384	1127.24	382.13	-1116.27	314.78	-1048.92	-310.45	-3.23	-93.28	-15.75	-80.77	-31.15
		371	888.00	415.54	-641.80	314.78	-541.04	-310.45	49.88	-69.07	31.71	-50.90	-42.79
		360	581.75	158.32	-678.86	20.51	-541.05	-310.45	30.39	7.06	10.33	27.12	8.10
		383	878.44	104.10	-1132.50	20.51	-1048.91	-310.45	6.24	-46.11	-37.12	-2.74	19.74
219	3	384	1101.35	345.07	-1179.81	256.03	-1090.77	-357.55	-1.08	-69.00	-6.54	-63.54	-18.47
		371	858.33	390.04	-697.99	256.03	-563.98	-357.56	46.89	-49.90	34.60	-37.61	-32.22

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		360	682.71	163.68	-739.68	-12.01	-563.98	-357.55	54.17	5.73	8.90	51.00	11.98
		383	990.56	95.74	-1198.52	-12.01	-1090.77	-357.56	34.93	-42.10	-32.24	25.07	25.74
219	4	384	1204.40	337.97	-1164.71	256.33	-1083.07	-340.60	-11.39	-121.00	-23.64	-108.75	-34.53
		371	938.20	379.30	-687.08	256.33	-564.11	-340.60	41.99	-91.11	27.50	-76.62	-41.46
		360	559.30	146.19	-727.44	-17.13	-564.11	-340.60	20.01	-25.90	15.80	-21.69	13.26
		383	871.17	82.41	-1182.61	-17.13	-1083.07	-340.60	-22.38	-66.77	-35.34	-53.82	20.18
219	5	384	1178.61	363.73	-1146.09	285.66	-1068.02	-334.32	-6.29	-108.60	-17.59	-97.30	-32.06
		371	923.23	402.93	-667.49	285.66	-550.23	-334.32	46.72	-81.22	31.80	-66.30	-41.06
		360	558.54	167.28	-706.01	11.51	-550.23	-334.32	21.35	-8.46	15.64	-2.75	11.73
		383	830.27	106.66	-1163.17	11.51	-1068.02	-334.32	-13.01	-54.49	-33.75	-33.75	20.74
219	6	384	1118.09	337.97	-1119.69	265.54	-1047.27	-316.74	-4.37	-94.46	-12.96	-85.87	-26.47
		371	866.90	375.55	-646.40	265.54	-536.38	-316.74	46.24	-69.93	33.26	-56.95	-36.60
		360	574.81	158.54	-680.75	14.17	-536.38	-316.74	25.60	0.16	14.67	11.09	12.60
		383	845.33	101.50	-1134.60	14.17	-1047.27	-316.74	-0.94	-48.43	-31.55	-17.82	22.73
219	7	384	1090.23	291.02	-1124.48	215.97	-1049.43	-317.17	-8.27	-91.89	-14.63	-85.52	-22.18
		371	833.24	331.67	-653.51	215.97	-537.81	-317.17	42.07	-67.42	31.57	-56.92	-32.24
		360	578.44	143.30	-685.51	-4.39	-537.81	-317.17	29.12	-3.52	13.30	12.30	16.31
		383	855.32	84.34	-1138.16	-4.39	-1049.43	-317.17	3.05	-52.26	-32.91	-16.30	26.38
219	8	384	845.83	271.26	-908.03	201.53	-838.30	-278.16	-0.23	-51.08	-4.40	-46.91	-13.95
		371	660.79	306.31	-536.88	201.53	-432.10	-278.16	36.46	-36.92	26.77	-27.23	-24.84
		360	531.97	129.11	-569.97	-8.76	-432.10	-278.16	44.42	4.37	6.37	42.41	8.73
		383	770.91	75.88	-922.93	-8.76	-838.30	-278.16	29.78	-31.85	-24.80	22.73	19.62
219	9	384	791.58	236.72	-801.54	183.67	-748.50	-228.60	-6.09	-67.38	-12.98	-60.49	-19.35
		371	613.51	264.13	-465.89	183.67	-385.44	-228.60	30.05	-50.04	19.91	-39.90	-26.63
		360	413.12	112.31	-490.43	7.32	-385.44	-228.60	17.87	0.43	6.85	11.45	8.41
		383	615.82	71.09	-812.26	7.32	-748.49	-228.60	0.23	-35.41	-26.04	-9.14	15.69
219	10	384	783.12	235.36	-833.90	174.37	-772.91	-247.99	-1.89	-52.68	-5.87	-48.70	-13.65
		371	607.55	266.53	-492.90	174.37	-400.74	-247.99	32.57	-38.18	24.21	-29.82	-22.85
		360	470.62	111.53	-520.79	-8.53	-400.74	-247.99	33.54	3.84	7.12	30.26	9.30
		383	685.08	64.88	-846.31	-8.52	-772.90	-247.99	19.45	-31.03	-22.96	11.38	18.50
219	11	384	792.53	231.44	-800.53	179.65	-748.74	-225.32	-3.73	-66.81	-9.44	-61.10	-18.09
		371	612.53	258.49	-464.25	179.65	-385.40	-225.32	32.24	-49.34	23.46	-40.56	-25.28
		360	405.51	108.76	-488.14	6.02	-385.40	-225.32	18.92	-0.50	10.32	8.09	9.65
		383	604.46	68.17	-810.88	6.02	-748.74	-225.32	0.07	-35.09	-22.58	-12.44	16.83
220	1	383	659.52	19.37	-956.03	6.15	-942.80	-112.79	-6.92	-23.44	-23.41	-6.96	0.75
		360	578.85	21.40	-828.32	6.15	-813.07	-112.79	3.71	-6.99	-6.97	3.69	0.40
		303	672.00	-164.99	-832.70	-184.62	-813.07	-112.79	60.00	-7.45	-1.82	54.37	18.66
		293	743.53	-168.20	-959.23	-184.62	-942.80	-112.79	49.08	-23.62	-18.26	43.72	19.01
220	2	383	695.85	18.30	-969.78	8.43	-959.90	-98.28	4.55	-22.40	-22.39	4.53	-0.62
		360	615.24	19.78	-842.68	8.43	-831.33	-98.28	15.99	-5.01	-4.88	15.86	-1.64
		303	711.64	-195.06	-846.51	-210.24	-831.33	-98.28	74.80	-5.17	-0.98	70.61	17.80
		293	782.77	-197.57	-972.57	-210.24	-959.90	-98.28	63.59	-22.80	-18.49	59.28	18.81
220	3	383	809.37	-5.76	-1045.41	-27.47	-1023.70	-148.66	33.27	-18.94	-18.55	32.88	4.47
		360	725.01	-2.53	-913.57	-27.47	-888.63	-148.66	41.74	-5.20	-4.98	41.52	3.19
		303	849.27	-170.36	-919.40	-201.13	-888.63	-148.66	106.33	-3.94	-0.94	103.33	17.95
		293	928.39	-175.08	-1049.74	-201.13	-1023.70	-148.66	97.98	-17.79	-14.51	94.69	19.22
220	4	383	802.04	-13.19	-1027.39	-31.51	-1009.07	-135.07	-20.18	-56.31	-20.24	-56.26	1.36
		360	707.30	-10.47	-898.66	-31.51	-877.62	-135.07	-2.33	-44.88	-2.38	-44.83	1.45
		303	578.53	-174.64	-903.58	-200.59	-877.63	-135.07	21.01	-21.44	2.85	-3.28	21.00
		293	645.66	-178.62	-1031.04	-200.59	-1009.07	-135.07	6.05	-35.78	-15.01	-14.71	20.91
220	5	383	724.58	16.16	-985.47	0.17	-969.48	-125.56	-18.71	-33.06	-18.76	-33.01	0.84
		360	631.00	18.58	-856.05	0.17	-837.64	-125.56	-1.53	-22.06	-1.57	-22.02	0.93
		303	606.85	-175.48	-861.45	-199.29	-837.64	-125.56	34.57	-8.76	3.94	21.87	19.73
		293	674.74	-179.34	-989.43	-199.29	-969.48	-125.56	21.86	-24.23	-13.25	10.88	19.63
220	6	383	658.07	15.52	-954.29	3.88	-942.65	-105.62	-13.11	-19.03	-16.86	-15.27	2.85
		360	566.18	17.32	-825.87	3.88	-812.42	-105.62	-0.37	-6.90	-1.72	-5.55	2.64
		303	630.75	-164.66	-829.65	-181.88	-812.43	-105.62	48.35	-5.02	3.21	40.12	19.28
		293	702.04	-167.49	-957.04	-181.88	-942.65	-105.62	38.00	-19.53	-11.93	30.40	19.48
220	7	383	645.11	-3.11	-958.34	-14.93	-946.53	-105.57	-8.11	-22.09	-17.47	-12.73	6.57
		360	554.83	-1.25	-829.75	-14.92	-816.07	-105.57	2.61	-10.04	-3.65	-3.78	6.33
		303	648.16	-153.25	-832.89	-170.06	-816.07	-105.57	52.29	-7.90	1.32	43.08	21.68
		293	720.93	-155.96	-960.63	-170.06	-946.53	-105.57	42.82	-21.19	-12.50	34.13	21.92
220	8	383	633.09	-2.95	-804.27	-20.70	-786.52	-117.93	29.42	-14.64	-14.41	29.20	3.15
		360	568.24	-0.33	-703.24	-20.70	-682.87	-117.93	35.91	-4.14	-4.03	35.80	2.11
		303	664.98	-131.61	-708.09	-156.84	-682.87	-117.93	86.21	-3.01	-0.96	84.15	13.39
		293	725.87	-135.48	-807.88	-156.84	-786.52	-117.93	79.83	-13.62	-11.34	77.55	14.42
220	9	383	468.75	8.64	-687.21	-0.44	-678.12	-79.00	-5.73	-15.90	-15.66	-5.97	1.54
		360	411.15	10.04	-595.67	-0.44	-585.19	-79.00	1.63	-4.62	-4.35	1.36	1.28
		303	479.00	-116.08	-598.49	-129.38	-585.19	-79.00	41.73	-5.26	-0.76	37.23	13.84
		293	530.52	-118.23	-689.27	-129.38	-678.12	-79.00	34.20	-16.37	-12.07	29.90	14.10
220	10	383	552.14	-5.49	-736.70	-19.13	-723.06	-98.93	16.61	-13.41	-12.97	16.17	3.61
		360	492.48	-3.44	-642.85	-19.13	-627.16	-98.93	22.68	-3.56	-3.25	22.37	2.83

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		303	577.43	-119.28	-646.43	-138.55	-627.16	-98.93	67.11	-2.95	-0.27	64.43	13.44
		293	633.21	-122.26	-739.35	-138.55	-723.06	-98.93	61.07	-12.83	-9.99	58.22	14.22
220	11	383	470.42	6.51	-686.26	-1.71	-678.04	-75.02	-8.50	-14.11	-12.02	-10.59	2.71
		360	404.51	7.79	-594.32	-1.71	-584.83	-75.02	0.18	-5.39	-1.43	-3.78	2.52
		303	456.06	-115.86	-596.83	-127.86	-584.83	-75.02	35.35	-4.00	2.04	29.31	14.18
		293	507.46	-117.81	-688.08	-127.86	-678.04	-75.02	28.13	-14.18	-8.55	22.50	14.37
221	1	385	259.54	75.57	-307.44	-204.15	-27.72	169.98	-2.33	-11.19	-9.32	-4.20	3.61
		386	339.72	-111.02	-514.41	-204.15	-421.29	169.98	14.38	-11.08	-3.02	6.32	11.84
		404	389.52	17.86	-487.08	-47.94	-421.29	169.98	20.22	-16.77	3.22	0.23	18.43
		324	247.24	132.45	-208.11	-47.94	-27.72	169.98	4.14	-17.50	-3.08	-10.28	10.21
221	2	385	259.06	77.57	-305.59	-199.83	-28.20	171.28	-2.64	-11.60	-10.24	-3.99	3.21
		386	338.67	-106.80	-515.21	-199.83	-422.18	171.28	13.88	-11.14	-4.00	6.74	11.30
		404	387.45	15.98	-489.14	-50.98	-422.18	171.28	19.45	-16.66	2.13	0.67	18.04
		324	247.92	132.07	-211.25	-50.98	-28.20	171.28	3.30	-17.47	-4.12	-10.06	9.95
221	3	385	264.55	80.55	-310.96	-201.50	-28.92	175.71	-2.74	-12.30	-11.26	-3.79	2.98
		386	342.91	-105.61	-523.49	-201.50	-427.60	175.71	13.62	-11.51	-5.05	7.16	10.98
		404	391.07	15.93	-497.21	-53.68	-427.60	175.71	18.88	-16.86	1.00	1.02	17.87
		324	253.05	134.84	-217.45	-53.68	-28.92	175.71	2.57	-17.72	-5.22	-9.93	9.87
221	4	385	316.93	79.60	-316.27	-203.55	-33.11	178.65	26.47	-25.44	15.02	-13.99	21.52
		386	457.40	-104.83	-526.85	-203.55	-428.13	178.65	42.34	-31.53	20.41	-9.60	33.75
		404	515.45	29.58	-497.86	-40.15	-428.13	178.65	50.33	-35.04	30.14	-14.85	36.28
		324	332.47	142.05	-215.32	-40.15	-33.11	178.65	35.35	-29.84	24.75	-19.24	24.05
221	5	385	314.12	95.06	-298.68	-168.38	-35.23	185.27	20.39	-24.26	8.82	-12.70	19.56
		386	455.08	-74.08	-532.40	-168.38	-438.11	185.27	37.33	-28.88	14.86	-6.41	31.35
		404	505.51	15.96	-513.70	-59.63	-438.11	185.27	45.49	-33.61	24.14	-12.26	35.11
		324	330.88	138.24	-233.11	-59.63	-35.23	185.27	29.44	-29.88	18.11	-18.55	23.32
221	6	385	287.41	81.18	-276.07	-165.13	-29.76	165.30	17.85	-22.28	5.93	-10.36	18.34
		386	415.27	-84.04	-502.12	-165.13	-421.03	165.30	34.94	-25.34	12.04	-2.44	29.26
		404	469.96	15.31	-483.66	-47.31	-421.03	165.30	43.16	-30.96	20.58	-8.38	34.11
		324	305.45	127.00	-204.07	-47.31	-29.76	165.30	26.91	-28.75	14.47	-16.30	23.19
221	7	385	262.27	76.05	-312.20	-208.32	-27.82	171.87	-2.35	-10.92	-8.87	-4.40	3.66
		386	342.67	-112.86	-517.76	-208.32	-422.29	171.87	14.19	-11.12	-2.79	5.86	11.90
		404	392.13	19.47	-489.16	-47.40	-422.29	171.87	20.12	-16.73	3.48	-0.09	18.34
		324	248.82	134.54	-209.76	-47.40	-27.82	171.87	4.34	-17.29	-2.60	-10.35	10.10
221	8	385	204.48	64.56	-238.69	-154.95	-19.18	135.58	-1.35	-9.24	-8.53	-2.06	2.27
		386	261.71	-80.25	-401.04	-154.95	-326.35	135.58	10.60	-8.59	-3.95	5.97	8.21
		404	295.67	12.86	-380.54	-41.33	-326.35	135.58	14.74	-11.85	0.64	2.25	13.27
		324	193.42	105.78	-166.29	-41.33	-19.18	135.58	2.52	-12.24	-3.93	-5.79	7.32
221	9	385	184.37	52.06	-219.51	-145.25	-22.21	121.05	-2.11	-8.19	-6.83	-3.47	2.53
		386	243.55	-79.54	-368.24	-145.25	-302.53	121.05	10.15	-8.12	-2.25	4.28	8.53
		404	280.71	11.95	-349.13	-34.65	-302.53	121.05	14.31	-12.64	2.25	-0.59	13.40
		324	177.23	92.78	-149.64	-34.65	-22.21	121.05	2.65	-13.33	-2.33	-8.34	7.40
221	10	385	187.14	54.84	-221.49	-143.78	-22.87	124.23	-2.38	-8.77	-7.90	-3.24	2.18
		386	245.31	-76.53	-373.29	-143.78	-306.04	124.23	9.71	-8.33	-3.37	4.75	8.05
		404	281.54	10.86	-354.74	-37.84	-306.04	124.23	13.53	-12.67	1.01	-0.15	13.09
		324	180.38	94.10	-154.81	-37.84	-22.87	124.23	1.75	-13.41	-3.52	-8.15	7.22
221	11	385	198.20	55.16	-202.08	-123.57	-23.34	118.45	8.91	-14.16	1.64	-6.89	10.71
		386	284.59	-64.58	-361.39	-123.57	-302.39	118.45	21.28	-15.74	6.12	-0.58	18.21
		404	325.09	10.54	-347.23	-34.30	-302.39	118.45	27.00	-20.47	11.89	-5.37	22.11
		324	209.24	89.76	-147.40	-34.30	-23.34	118.45	15.33	-19.60	7.42	-11.69	14.62
222	1	387	777.86	353.95	-841.35	-617.75	-130.35	466.12	23.03	-41.13	7.30	-25.39	27.61
		80	1313.69	-453.86	-1943.41	-617.75	-1779.52	466.12	12.17	-52.84	11.14	-51.80	8.15
		496	1362.54	222.24	-1888.06	113.70	-1779.52	466.12	11.83	-8.21	1.16	2.45	-10.00
		386	599.12	588.22	-344.18	113.70	130.35	466.12	31.48	-5.30	-2.68	28.86	9.46
222	2	387	774.12	356.01	-835.90	-609.75	-129.86	467.33	21.73	-40.18	6.45	-24.90	26.69
		80	1310.32	-445.92	-1942.88	-609.75	-1779.05	467.33	11.31	-51.55	10.48	-50.72	7.16
		496	1367.45	226.70	-1887.94	117.82	-1779.05	467.33	12.29	-9.07	0.36	2.86	-10.61
		386	597.90	591.21	-343.53	117.82	129.86	467.33	30.98	-5.96	-3.66	28.68	8.92
222	3	387	783.68	361.54	-849.24	-618.99	-131.30	475.14	20.45	-39.15	5.51	-24.21	25.83
		80	1320.32	-451.71	-1968.51	-618.99	-1801.22	475.14	10.49	-49.91	9.80	-49.22	6.40
		496	1387.64	230.46	-1912.34	119.34	-1801.22	475.14	12.47	-9.51	-0.36	3.31	-10.84
		386	605.19	600.50	-349.86	119.34	131.30	475.14	30.42	-6.74	-4.64	28.32	8.59
222	4	387	826.99	361.88	-852.97	-622.49	-131.40	476.31	41.87	-35.07	15.57	-8.77	36.50
		80	1340.02	-454.38	-1972.04	-622.49	-1803.93	476.31	48.96	-46.96	16.65	-14.65	45.33
		496	1497.17	230.99	-1915.42	119.50	-1803.93	476.31	53.24	-35.37	25.03	-7.17	41.27
		386	710.89	601.80	-350.90	119.50	131.40	476.31	46.14	-23.48	23.96	-1.29	32.44
222	5	387	824.78	385.45	-807.76	-553.69	-131.38	488.47	40.69	-41.81	13.78	-14.89	38.68
		80	1383.77	-388.00	-1993.71	-553.69	-1828.01	488.47	39.07	-51.61	15.30	-27.85	39.88
		496	1497.10	275.08	-1941.46	161.62	-1828.01	488.47	40.11	-26.53	19.01	-5.43	31.00
		386	714.95	635.21	-342.20	161.62	131.38	488.47	42.72	-17.71	17.48	7.53	29.80
222	6	387	797.79	368.71	-765.46	-526.69	-129.94	462.38	42.84	-49.83	15.52	-22.50	42.26
		80	1365.36	-373.95	-1926.43	-526.69	-1773.69	462.38	31.75	-59.47	16.80	-44.52	33.76

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		496	1414.10	265.75	-1878.52	160.92	-1773.69	462.38	26.42	-15.17	14.55	-3.30	18.79
		386	674.54	608.07	-317.21	160.92	129.94	462.38	43.41	-11.42	13.27	18.72	27.28
222	7	387	779.72	353.86	-851.94	-628.86	130.78	468.21	21.56	-37.96	6.58	-22.98	25.83
		80	1304.91	-463.05	-1950.94	-628.86	-1785.13	468.21	11.83	-47.80	10.56	-46.54	8.58
		496	1360.01	218.66	-1894.53	109.26	-1785.13	468.21	9.80	-5.53	1.83	2.45	-7.66
		386	600.56	588.36	-348.32	109.26	130.78	468.21	28.96	-5.12	-2.16	26.00	9.59
222	8	387	602.28	278.38	-652.72	-475.99	101.64	365.13	15.63	-30.16	4.21	-18.75	19.81
		80	1014.90	-347.38	-1512.66	-475.99	-1384.05	365.13	7.83	-38.74	7.36	-38.26	4.66
		496	1067.91	177.15	-1469.45	91.76	-1384.05	365.13	9.98	-7.87	-0.57	2.68	-8.78
		386	464.41	461.87	-268.46	91.76	101.64	365.13	23.68	-5.20	-3.72	22.20	6.37
222	9	387	553.53	251.81	-599.45	-439.71	92.07	332.36	16.09	-28.74	4.99	-17.63	19.35
		80	933.98	-322.86	-1385.07	-439.71	-1268.22	332.36	8.66	-36.59	7.88	-35.81	5.89
		496	970.00	158.53	-1345.64	81.10	-1268.22	332.36	8.01	-5.26	0.98	1.76	-6.62
		386	427.12	418.99	-245.82	81.10	92.07	332.36	21.90	-3.87	-1.91	19.94	6.84
222	10	387	556.78	256.03	-603.83	-440.40	92.60	337.37	14.65	-27.64	4.00	-16.98	18.36
		80	937.67	-321.66	-1399.01	-440.40	-1280.27	337.37	7.71	-34.95	7.14	-34.38	4.92
		496	983.94	163.09	-1359.13	84.24	-1280.27	337.37	8.36	-5.98	0.14	2.24	-7.09
		386	430.50	425.82	-248.98	84.24	92.60	337.37	21.30	-4.66	-3.00	19.64	6.35
222	11	387	563.74	259.92	-557.19	-389.12	91.84	330.28	27.08	-33.55	9.55	-16.03	27.49
		80	962.10	-278.53	-1375.56	-389.12	-1264.98	330.28	19.00	-39.74	11.03	-31.76	20.12
		496	993.20	182.69	-1340.33	107.34	-1264.98	330.28	14.08	-7.09	8.42	-1.43	9.37
		386	468.44	429.96	-230.79	107.34	91.84	330.28	27.77	-6.51	6.95	14.31	16.74
223	1	386	457.83	204.47	-476.25	126.31	-398.09	217.02	3.70	-21.79	-5.37	-12.71	12.20
		496	782.60	165.36	-1079.90	126.31	-1040.86	217.02	7.31	-5.81	-1.12	2.62	6.29
		327	807.61	51.44	-1083.97	8.32	-1040.86	217.02	39.46	-8.81	-2.47	33.12	16.30
		404	411.96	102.42	-492.19	8.32	-398.09	217.02	30.90	-19.84	-6.72	17.79	22.21
223	2	386	456.49	209.03	-477.54	130.44	-398.95	218.59	2.59	-21.18	-6.34	-12.25	11.51
		496	786.62	169.93	-1079.36	130.44	-1039.86	218.59	7.01	-5.12	-1.77	3.66	5.43
		327	810.67	49.76	-1083.72	5.90	-1039.86	218.59	39.87	-9.07	-3.28	34.09	15.80
		404	410.93	101.40	-494.45	5.90	-398.95	218.59	30.63	-20.31	-7.85	18.18	21.89
223	3	386	459.81	213.46	-485.30	132.20	-404.04	224.01	1.61	-20.76	-7.37	-11.78	10.96
		496	801.51	173.18	-1092.41	132.20	-1051.43	224.01	7.33	-4.56	-2.24	5.01	4.72
		327	823.48	50.91	-1096.95	5.39	-1051.43	224.01	40.75	-9.38	-3.90	35.27	15.64
		404	416.87	104.14	-502.78	5.39	-404.04	224.01	30.58	-21.13	-9.03	18.48	21.89
223	4	386	590.68	216.03	-489.44	132.58	-405.99	227.83	39.39	-39.55	20.82	-20.99	33.48
		496	912.56	175.00	-1090.96	132.58	-1048.53	227.83	47.42	-29.11	25.77	-7.45	34.47
		327	849.56	40.39	-1096.20	-7.28	-1048.53	227.83	63.26	-25.29	28.62	9.35	43.21
		404	555.97	96.10	-509.37	-7.28	-405.99	227.83	54.21	-34.72	23.68	-4.19	42.22
223	5	386	600.51	257.49	-497.58	175.17	-415.25	235.34	33.24	-39.26	14.49	-20.51	31.74
		496	918.48	218.63	-1099.10	175.17	-1055.64	235.34	39.09	-28.18	18.40	-7.48	31.05
		327	823.89	28.83	-1106.71	-22.24	-1055.64	235.34	56.80	-22.53	20.37	13.90	39.53
		404	541.80	87.85	-525.34	-22.24	-415.25	235.34	49.64	-32.31	16.46	0.87	40.23
223	6	386	558.64	242.55	-466.96	174.03	-398.44	209.58	29.20	-38.12	10.25	-19.17	30.27
		496	872.77	209.55	-1062.34	174.03	-1026.81	209.58	32.55	-27.28	12.54	-7.27	28.23
		327	767.63	31.60	-1068.31	-9.90	-1026.81	209.58	52.63	-19.70	13.96	18.97	36.08
		404	492.30	81.60	-489.94	-9.90	-398.44	209.58	47.56	-28.83	11.66	7.07	38.13
223	7	386	457.61	201.93	-479.12	121.90	-399.09	219.31	3.83	-21.08	-4.89	-12.36	11.88
		496	783.42	161.77	-1084.43	121.90	-1044.56	219.31	8.54	-4.49	0.12	3.92	6.23
		327	808.32	52.91	-1088.38	9.08	-1044.56	219.31	39.90	-8.06	-1.17	33.01	16.83
		404	417.51	104.58	-494.59	9.08	-399.09	219.31	30.50	-19.94	-6.18	16.73	22.47
223	8	386	350.43	164.51	-370.97	101.75	-308.20	172.25	1.10	-15.50	-5.84	-8.55	8.19
		496	616.52	133.28	-839.28	101.75	-807.75	172.25	5.54	-3.64	-1.99	3.89	3.53
		327	635.80	39.49	-842.77	4.47	-807.75	172.25	31.94	-6.89	-3.03	28.08	11.62
		404	315.70	80.75	-384.48	4.47	-308.20	172.25	24.17	-15.42	-6.89	15.64	16.28
223	9	386	328.02	145.62	-341.68	89.96	-286.02	155.00	2.57	-15.65	-3.83	-9.25	8.70
		496	557.55	117.88	-770.49	89.96	-742.57	155.00	5.50	-3.74	-0.53	2.29	4.40
		327	575.03	36.15	-773.42	5.30	-742.57	155.00	28.20	-6.41	-1.64	23.43	11.93
		404	297.18	72.34	-353.06	5.30	-286.02	155.00	21.76	-14.80	-4.94	11.89	16.23
223	10	386	329.12	150.61	-346.70	93.23	-289.33	158.88	1.40	-15.07	-4.94	-8.73	8.01
		496	569.27	122.22	-777.44	93.23	-748.45	158.88	5.49	-3.03	-1.16	3.62	3.53
		327	583.84	35.85	-780.63	3.67	-748.45	158.88	28.90	-6.70	-2.43	24.63	11.56
		404	299.88	73.28	-358.94	3.67	-289.33	158.88	21.55	-15.49	-6.22	12.28	16.05
223	11	386	383.69	166.71	-336.47	116.47	-286.22	150.86	16.73	-24.72	4.84	-12.83	18.74
		496	607.19	142.41	-760.72	116.47	-734.77	150.86	19.29	-15.44	7.06	-3.20	16.59
		327	535.92	25.13	-764.72	-4.83	-734.77	150.86	34.80	-11.74	7.49	15.57	22.92
		404	341.66	60.77	-351.81	-4.83	-286.22	150.86	30.68	-19.47	5.27	5.94	25.07
224	1	388	116.00	1.80	-124.58	1.62	-124.40	-4.78	18.50	-3.79	5.49	9.23	10.99
		389	67.31	1.94	-70.71	1.62	-70.39	-4.78	2.17	-15.94	-8.30	-5.46	8.94
		394	100.25	-69.27	-90.73	-89.61	-70.39	-4.78	24.67	-10.70	-8.43	22.40	-8.66
		328	160.34	-88.97	-125.04	-89.61	-124.40	-4.78	38.41	4.04	5.36	37.09	-6.62
224	2	388	117.67	6.96	-124.87	6.83	-124.74	-4.10	17.95	-3.96	4.62	9.37	10.69
		389	69.76	7.05	-70.92	6.83	-70.70	-4.10	1.59	-16.05	-9.16	-5.30	8.61

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		394	104.42	-69.95	-93.01	-92.26	-70.70	-4.10	24.93	-11.69	-9.35	22.58	-8.97
		328	161.35	-91.75	-125.25	-92.26	-124.74	-4.10	38.64	3.05	4.44	37.25	-6.89
224	3	388	120.83	9.34	-126.90	9.25	-126.80	-3.58	17.72	-4.36	3.71	9.65	10.63
		389	72.85	9.41	-72.19	9.25	-72.04	-3.58	1.21	-16.51	-10.16	-5.14	8.49
		394	109.61	-71.51	-96.57	-96.05	-72.04	-3.58	25.36	-12.81	-10.42	22.98	-9.24
		328	164.12	-95.64	-127.21	-96.05	-126.80	-3.58	39.18	2.04	3.45	37.77	-7.10
224	4	388	169.61	9.30	-123.97	9.01	-123.68	-6.20	41.81	-11.26	28.48	2.08	23.02
		389	149.78	9.48	-72.66	9.01	-72.18	-6.20	27.96	-25.86	14.76	-12.66	23.15
		394	106.18	-70.64	-97.11	-95.57	-72.18	-6.20	21.79	9.95	18.14	13.59	5.46
		328	156.81	-94.26	-124.99	-95.57	-123.68	-6.20	35.71	24.48	31.86	28.33	5.33
224	5	388	175.75	49.58	-127.17	49.39	-126.98	-5.77	36.31	-11.62	22.46	2.24	21.73
		389	153.15	49.66	-74.72	49.39	-74.46	-5.77	22.66	-25.68	9.12	-12.14	21.70
		394	103.68	-73.61	-113.86	-113.02	-74.46	-5.77	18.19	8.97	12.32	14.85	4.43
		328	156.44	-110.94	-129.06	-113.02	-126.98	-5.77	32.25	22.63	25.65	29.23	4.46
224	6	388	154.93	37.03	-120.48	36.34	-119.78	-10.42	33.60	-11.76	19.44	2.40	21.02
		389	133.21	37.36	-69.75	36.34	-68.73	-10.42	20.82	-24.58	7.04	-10.80	20.87
		394	95.78	-64.93	-97.36	-93.56	-68.73	-10.42	19.01	7.19	10.02	16.17	5.05
		328	148.06	-89.93	-123.42	-93.56	-119.78	-10.42	32.15	19.64	22.42	29.37	5.20
224	7	388	114.48	-0.60	-124.79	-0.71	-124.68	-3.72	18.59	-3.45	5.91	9.23	10.89
		389	65.58	-0.52	-70.79	-0.71	-70.60	-3.72	2.24	-15.70	-7.94	-5.52	8.89
		394	100.20	-69.90	-90.62	-89.92	-70.60	-3.72	24.65	-10.38	-8.00	22.28	-8.80
		328	160.57	-89.53	-125.07	-89.92	-124.68	-3.72	38.45	4.43	5.84	37.04	-6.80
224	8	388	93.16	7.66	-97.26	7.64	-97.23	-1.48	13.70	-3.21	2.68	7.81	8.06
		389	55.62	7.67	-54.15	7.64	-54.11	-1.48	1.24	-12.32	-7.78	-3.30	6.40
		394	85.97	-54.01	-74.18	-74.08	-54.11	-1.48	20.90	-9.54	-7.88	19.23	-6.92
		328	129.31	-73.98	-97.33	-74.08	-97.23	-1.48	31.32	1.62	2.59	30.35	-5.27
224	9	388	83.28	1.39	-89.81	1.23	-89.65	-3.76	13.22	-2.76	3.99	6.46	7.90
		389	48.63	1.50	-51.80	1.23	-51.53	-3.76	1.34	-11.63	-6.05	-4.25	6.42
		394	71.38	-50.50	-65.22	-64.18	-51.53	-3.76	17.04	-7.98	-6.21	15.26	-6.42
		328	113.85	-63.64	-90.20	-64.18	-89.65	-3.76	27.03	2.78	3.84	25.97	-4.95
224	10	388	85.88	5.57	-91.09	5.47	-90.99	-3.10	12.77	-3.07	3.00	6.70	7.70
		389	51.60	5.63	-52.61	5.47	-52.45	-3.10	0.78	-11.93	-7.08	-4.07	6.17
		394	76.54	-51.84	-68.36	-67.76	-52.45	-3.10	17.42	-9.15	-7.31	15.58	-6.74
		328	115.95	-67.35	-91.39	-67.76	-90.99	-3.10	27.45	1.67	2.77	26.35	-5.21
224	11	388	99.27	20.96	-87.53	20.52	-87.09	-6.90	21.42	-7.01	11.75	2.67	13.47
		389	83.83	21.18	-51.27	20.52	-50.61	-6.90	11.55	-16.29	2.47	-7.22	13.05
		394	62.24	-48.02	-68.97	-66.38	-50.61	-6.90	11.98	3.86	4.04	11.80	1.20
		328	103.87	-64.29	-89.18	-66.38	-87.09	-6.90	21.99	13.01	13.31	21.69	1.62
225	1	390	195.29	266.79	-2.96	266.23	-2.40	12.26	10.73	-12.42	-3.88	2.20	11.17
		867	222.58	266.69	-62.16	266.23	-61.70	12.26	6.67	-15.02	-7.63	-0.72	10.28
		385	77.96	37.61	-63.21	36.09	-61.70	12.26	3.13	-13.07	-9.14	-0.80	6.95
		389	51.04	39.67	-5.97	36.09	-2.40	12.26	7.05	-10.33	-5.40	2.12	7.83
225	2	390	205.65	279.88	-3.06	279.32	-2.50	12.59	10.09	-12.56	-4.68	2.22	10.79
		867	232.93	279.78	-62.25	279.32	-61.79	12.59	6.02	-15.09	-8.41	-0.66	9.82
		385	82.78	42.43	-63.31	40.91	-61.79	12.59	2.69	-13.39	-10.04	-0.66	6.53
		389	52.37	44.29	-5.89	40.91	-2.50	12.59	6.58	-10.67	-6.32	2.22	7.49
225	3	390	214.69	290.35	-3.31	289.74	-2.70	13.34	9.77	-12.99	-5.53	2.30	10.68
		867	242.19	290.25	-63.05	289.74	-62.54	13.34	5.62	-15.47	-9.26	-0.59	9.61
		385	87.07	44.87	-64.20	43.22	-62.54	13.34	2.46	-14.01	-11.07	-0.48	6.31
		389	56.17	46.81	-6.30	43.22	-2.70	13.34	6.38	-11.30	-7.33	2.41	7.38
225	4	390	272.60	288.74	-3.97	288.11	-3.34	13.53	36.98	-18.57	16.38	2.04	26.84
		867	290.54	288.63	-62.93	288.11	-62.41	13.53	34.66	-24.55	11.73	-1.62	28.85
		385	171.11	48.21	-64.07	46.55	-62.41	13.53	30.81	-22.84	14.54	-6.58	24.66
		389	148.78	49.99	-6.77	46.55	-3.34	13.53	33.33	-17.07	19.19	-2.92	22.65
225	5	390	318.21	391.67	-4.16	391.17	-3.65	14.15	32.35	-19.29	11.03	2.02	25.42
		867	335.08	391.61	-64.15	391.17	-63.71	14.15	29.70	-24.86	6.43	-1.59	26.98
		385	171.08	87.51	-65.03	86.19	-63.71	14.15	25.38	-22.50	8.58	-5.70	22.85
		389	150.11	88.36	-5.83	86.19	-3.65	14.15	28.16	-17.07	13.18	-2.09	21.29
225	6	390	279.41	342.12	-2.43	341.85	-2.16	9.67	30.17	-19.23	9.08	1.86	24.44
		867	295.31	342.08	-61.88	341.85	-61.65	9.67	27.21	-24.09	4.64	-1.52	25.46
		385	151.23	74.89	-62.33	74.20	-61.65	9.67	23.05	-21.41	6.04	-4.40	21.61
		389	132.73	75.41	-3.36	74.20	-2.16	9.67	26.10	-16.64	10.47	-1.02	20.59
225	7	390	191.02	261.85	-3.10	261.22	-2.47	12.89	10.86	-12.13	-3.53	2.26	11.12
		867	218.45	261.73	-62.31	261.22	-61.80	12.89	6.83	-14.77	-7.28	-0.66	10.28
		385	75.19	35.19	-63.51	33.48	-61.80	12.89	3.15	-12.80	-8.75	-0.90	6.94
		389	51.45	37.62	-6.61	33.48	-2.47	12.89	7.06	-10.02	-4.99	2.02	7.79
225	8	390	164.83	223.40	-2.09	222.89	-1.58	10.72	7.37	-9.86	-4.27	1.78	8.07
		867	185.76	223.31	-47.64	222.89	-47.22	10.72	4.21	-11.70	-7.09	-0.41	7.22
		385	66.77	34.43	-48.62	33.02	-47.22	10.72	2.06	-10.60	-8.48	-0.07	4.73
		389	43.01	36.08	-4.63	33.02	-1.58	10.72	5.03	-8.57	-5.66	2.12	5.58
225	9	390	140.31	191.09	-2.63	190.71	-2.25	8.56	7.68	-8.94	-2.84	1.59	8.01
		867	159.92	191.02	-44.99	190.71	-44.68	8.56	4.75	-10.83	-5.56	-0.52	7.38

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		385	56.19	27.13	-45.70	26.11	-44.68	8.56	2.09	-9.48	-6.65	-0.74	4.97
		389	36.27	28.49	-4.64	26.11	-2.25	8.56	4.91	-7.48	-3.94	1.37	5.60
225	10	390	151.07	204.18	-2.83	203.77	-2.42	9.16	7.14	-9.25	-3.76	1.65	7.74
		867	170.79	204.11	-45.49	203.77	-45.15	9.16	4.17	-11.08	-6.47	-0.45	7.01
		385	61.21	31.17	-46.25	30.06	-45.15	9.16	1.70	-9.98	-7.72	-0.56	4.61
		389	39.23	32.47	-4.83	30.06	-2.42	9.16	4.53	-8.01	-5.01	1.54	5.35
225	11	390	183.61	232.93	-2.34	232.72	-2.12	7.13	18.33	-12.57	4.36	1.40	15.38
		867	194.68	232.90	-44.84	232.72	-44.65	7.13	16.00	-15.70	1.26	-0.97	15.81
		385	93.64	47.83	-45.20	47.28	-44.65	7.13	12.83	-13.79	1.78	-2.73	13.12
		389	80.99	48.29	-3.13	47.28	-2.12	7.13	15.21	-10.70	4.88	-0.37	12.68
226	1	389	102.88	34.85	-69.06	34.81	-69.02	-2.05	18.43	-4.71	1.39	12.33	10.19
		385	93.08	34.89	-16.58	34.81	-16.50	-2.05	4.82	-25.76	-15.29	-5.65	14.51
		324	85.13	-16.45	-99.90	-99.85	-16.50	-2.05	-2.25	-16.48	-8.52	-10.21	-7.07
		394	94.23	-68.88	-99.99	-99.85	-69.02	-2.05	19.35	-3.42	8.16	7.77	-11.38
226	2	389	105.51	39.60	-69.37	39.59	-69.35	-1.13	18.01	-5.04	0.50	12.48	9.85
		385	95.17	39.61	-16.95	39.59	-16.93	-1.13	4.29	-25.94	-16.20	-5.45	14.12
		324	88.95	-16.91	-102.52	-102.51	-16.93	-1.13	-2.35	-17.12	-9.50	-9.97	-7.38
		394	95.22	-69.31	-102.54	-102.51	-69.35	-1.13	19.24	-4.08	7.20	7.95	-11.66
226	3	389	108.65	41.84	-70.69	41.84	-70.69	0.18	17.94	-5.59	-0.44	12.79	9.73
		385	97.27	41.84	-17.47	41.84	-17.47	0.18	3.96	-26.51	-17.30	-5.25	14.00
		324	93.48	-17.47	-106.20	-106.20	-17.47	0.18	-2.57	-17.89	-10.62	-9.83	-7.65
		394	97.09	-70.69	-106.20	-106.20	-70.69	0.18	19.18	-4.73	6.24	8.22	-11.91
226	4	389	161.00	44.99	-70.78	44.92	-70.71	-2.82	42.52	-10.90	25.31	6.31	24.96
		385	168.34	45.04	-22.33	44.92	-22.21	-2.82	31.22	-35.66	8.74	-13.17	31.59
		324	153.09	-22.11	-106.94	-106.85	-22.21	-2.82	20.48	-23.02	18.97	-21.51	7.96
		394	149.88	-70.49	-107.07	-106.85	-70.71	-2.82	35.59	-2.07	35.55	-2.02	1.33
226	5	389	166.00	84.41	-73.05	84.41	-73.05	-0.79	37.68	-11.21	19.45	7.03	23.65
		385	168.78	84.41	-23.97	84.41	-23.96	-0.79	26.13	-35.81	2.62	-12.30	30.06
		324	143.17	-23.96	-124.58	-124.58	-23.96	-0.79	13.82	-21.67	12.52	-20.36	6.68
		394	143.96	-73.04	-124.59	-124.58	-73.05	-0.79	29.35	-1.04	29.34	-1.04	0.26
226	6	389	143.20	73.43	-67.83	72.86	-67.25	-8.99	35.30	-11.25	16.49	7.56	22.84
		385	149.25	73.73	-19.84	72.86	-18.97	-8.99	24.11	-34.41	0.30	-10.60	28.75
		324	123.48	-18.05	-106.37	-105.44	-18.97	-8.99	11.15	-18.98	9.50	-17.33	6.85
		394	123.16	-65.24	-107.45	-105.44	-67.25	-8.99	25.73	0.79	25.69	0.82	0.94
226	7	389	100.54	32.20	-69.24	32.19	-69.23	-0.89	18.46	-4.35	1.81	12.30	10.12
		385	90.11	32.21	-16.57	32.19	-16.55	-0.89	4.90	-25.51	-14.88	-5.72	14.50
		324	83.72	-16.54	-100.06	-100.05	-16.55	-0.89	-1.97	-16.46	-8.03	-10.40	-7.15
		394	96.11	-69.20	-100.07	-100.05	-69.23	-0.89	19.68	-3.39	8.66	7.62	-11.52
226	8	389	82.91	32.18	-53.12	32.15	-53.08	1.77	13.95	-4.19	-0.47	10.23	7.32
		385	72.32	32.22	-10.43	32.15	-10.35	1.77	3.37	-19.82	-13.09	-3.37	10.52
		324	71.62	-10.31	-81.40	-81.36	-10.35	1.77	-0.79	-12.64	-7.92	-5.51	-5.80
		394	76.17	-52.97	-81.47	-81.36	-53.08	1.77	15.55	-2.77	4.70	8.08	-9.00
226	9	389	74.39	25.10	-50.61	25.04	-50.56	-2.10	13.11	-3.43	1.01	8.66	7.33
		385	68.10	25.15	-14.32	25.04	-14.21	-2.10	3.22	-18.78	-11.16	-4.40	10.47
		324	61.94	-14.14	-71.79	-71.71	-14.21	-2.10	-2.06	-12.68	-6.32	-8.42	-5.20
		394	67.29	-50.35	-71.92	-71.71	-50.56	-2.10	13.62	-3.12	5.85	4.64	-8.35
226	10	389	77.49	28.95	-51.50	28.94	-51.49	-0.86	12.82	-3.90	-4.09e-03	8.92	7.07
		385	70.34	28.96	-14.77	28.94	-14.75	-0.86	2.73	-19.19	-12.28	-4.18	10.18
		324	66.35	-14.74	-75.25	-75.24	-14.75	-0.86	-2.31	-13.39	-7.49	-8.21	-5.53
		394	68.83	-51.45	-75.27	-75.24	-51.49	-0.86	13.48	-3.80	4.79	4.90	-8.64
226	11	389	89.88	46.54	-49.94	46.18	-49.58	-5.96	22.16	-6.75	9.40	6.02	14.36
		385	97.85	46.74	-16.16	46.18	-15.59	-5.96	13.70	-23.35	-2.50	-7.15	18.38
		324	75.98	-14.99	-75.41	-74.82	-15.59	-5.96	4.08	-12.76	3.69	-12.38	2.53
		394	79.91	-48.24	-76.15	-74.82	-49.58	-5.96	15.74	0.64	15.59	0.79	-1.50
227	1	408	646.46	230.74	-763.25	219.64	-752.15	-104.45	26.01	-2.48	6.80	16.73	13.35
		391	493.27	234.81	-499.46	219.64	-484.29	-104.45	29.82	-0.16	7.37	22.29	13.00
		381	390.53	-26.58	-508.13	-50.42	-484.29	-104.45	27.23	-10.01	5.65	11.58	18.38
		353	537.14	-35.20	-767.37	-50.42	-752.15	-104.45	24.29	-13.20	5.07	6.02	18.74
227	2	408	649.36	236.14	-762.51	225.12	-751.49	-104.30	25.46	-2.85	5.90	16.71	13.08
		391	496.61	240.14	-499.27	225.12	-484.26	-104.30	29.43	-0.48	6.58	22.37	12.70
		381	390.35	-29.09	-508.16	-52.99	-484.26	-104.30	26.77	-10.21	4.84	11.71	18.17
		353	536.72	-37.75	-766.74	-52.99	-751.49	-104.30	23.68	-13.47	4.16	6.06	18.55
227	3	408	657.18	241.89	-765.65	230.64	-754.40	-105.88	25.91	-3.42	5.15	17.34	13.34
		391	504.92	245.91	-503.72	230.64	-488.45	-105.88	29.75	-1.05	5.84	22.87	12.83
		381	393.86	-32.80	-513.06	-57.40	-488.45	-105.88	26.48	-10.73	3.89	11.85	18.17
		353	539.94	-41.67	-770.13	-57.40	-754.40	-105.88	23.51	-13.98	3.21	6.33	18.68
227	4	408	628.63	243.01	-767.75	232.49	-757.22	-102.60	55.37	0.20	37.60	17.97	25.78
		391	475.22	246.85	-500.17	232.49	-485.81	-102.60	52.58	-1.87	32.62	18.09	26.24
		381	364.85	-39.04	-509.37	-62.60	-485.81	-102.60	45.12	-19.09	30.48	-4.45	26.94
		353	545.36	-47.77	-772.06	-62.60	-757.22	-102.60	48.64	-17.76	35.46	-4.57	26.49
227	5	408	656.08	288.02	-770.31	277.40	-759.69	-105.51	51.90	-0.50	32.67	18.73	25.25
		391	504.14	291.61	-505.89	277.40	-491.67	-105.51	49.15	-2.54	27.83	18.77	25.45

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		381	366.47	-54.31	-517.13	-79.77	-491.67	-105.51	40.26	-19.95	25.23	-4.91	26.06
		353	533.69	-63.77	-775.69	-79.77	-759.69	-105.51	43.79	-18.69	30.06	-4.96	25.87
227	6	408	642.04	264.50	-760.35	254.25	-750.11	-101.95	50.92	-0.80	31.28	18.84	25.10
		391	488.08	268.16	-493.21	254.25	-479.31	-101.95	47.68	-3.27	25.85	18.55	25.21
		381	360.00	-33.99	-502.64	-57.33	-479.31	-101.95	38.49	-19.62	23.23	-4.37	25.57
		353	531.11	-42.64	-764.80	-57.33	-750.11	-101.95	42.56	-17.98	28.67	-4.08	25.46
227	7	408	645.89	229.06	-764.00	218.06	-753.00	-103.94	26.42	-2.00	7.41	17.01	13.37
		391	492.03	233.11	-499.87	218.06	-484.83	-103.94	29.96	0.20	7.83	22.34	12.99
		381	388.88	-27.49	-508.45	-51.11	-484.83	-103.94	27.02	-9.70	6.03	11.29	18.17
		353	536.22	-36.04	-768.07	-51.11	-753.00	-103.94	24.34	-12.76	5.62	5.96	18.55
227	8	408	504.63	185.97	-585.57	177.17	-576.77	-81.90	20.17	-2.48	3.87	13.82	10.17
		391	388.68	189.08	-386.31	177.17	-374.41	-81.90	22.86	-1.23	4.02	17.61	9.95
		381	303.96	-24.45	-393.57	-43.62	-374.41	-81.90	20.52	-7.68	2.83	10.01	13.64
		353	415.75	-31.32	-589.07	-43.62	-576.77	-81.90	18.43	-9.52	2.68	6.23	13.86
227	9	408	461.29	164.84	-545.53	157.06	-537.75	-73.94	18.35	-1.89	4.79	11.66	9.52
		391	352.04	167.69	-356.99	157.06	-346.35	-73.94	21.32	0.15	5.47	15.99	9.19
		381	278.23	-20.19	-363.11	-36.95	-346.35	-73.94	19.48	-7.49	4.09	7.90	13.35
		353	382.41	-26.26	-548.44	-36.95	-537.75	-73.94	17.17	-10.19	3.41	3.57	13.68
227	10	408	467.24	171.04	-546.87	163.17	-539.00	-74.73	18.28	-2.40	3.88	12.00	9.51
		391	358.50	173.86	-359.35	163.17	-348.66	-74.73	21.28	-0.35	4.62	16.31	9.09
		381	280.08	-23.65	-365.85	-40.83	-348.66	-74.73	19.05	-7.88	3.12	8.05	13.23
		353	383.96	-29.86	-549.97	-40.83	-539.00	-74.73	16.73	-10.61	2.37	3.74	13.65
227	11	408	458.36	183.60	-543.93	176.29	-536.62	-72.54	31.90	-0.67	18.40	12.83	16.05
		391	348.54	186.22	-353.52	176.29	-343.58	-72.54	30.82	-1.17	15.74	13.91	15.97
		381	260.27	-24.31	-360.07	-40.79	-343.58	-72.54	25.31	-12.41	13.86	-0.96	17.34
		353	371.92	-30.39	-547.02	-40.79	-536.62	-72.54	26.98	-12.50	16.52	-2.04	17.42
228	1	1066	8547.44	284.70	-1003.29	-866.63	148.05	-396.66	62.23	5.03	5.65	61.62	5.90
		21	8466.13	22.23	-1030.91	-962.03	-46.65	-260.37	42.06	-18.95	-18.95	42.05	0.59
		167	4779.44	139.65	-410.54	-224.24	-46.65	-260.37	22.25	-15.34	-12.26	19.16	-10.31
		270	5381.34	429.73	-410.52	-128.84	148.05	-396.66	39.65	11.42	12.33	38.73	-5.00
228	2	1066	8821.09	291.18	-1068.54	-921.63	144.27	-422.10	60.54	4.67	4.79	60.41	2.65
		21	8842.77	29.99	-1094.93	-1016.21	-48.74	-286.99	42.21	-19.13	-19.00	42.07	-2.92
		167	5251.82	160.86	-441.70	-232.10	-48.74	-286.99	23.12	-17.52	-13.10	18.70	-12.65
		270	5671.97	448.37	-441.62	-137.52	144.27	-422.10	38.83	8.91	10.69	37.04	-7.09
228	3	1066	8517.63	278.30	-994.67	-862.18	145.81	-388.71	62.07	5.24	5.76	61.55	5.40
		21	8453.42	27.38	-1021.50	-953.53	-40.60	-258.22	42.30	-18.58	-18.58	42.30	0.16
		167	4770.26	145.23	-399.42	-213.59	-40.60	-258.22	22.43	-15.21	-11.99	19.20	-10.54
		270	5343.32	422.95	-399.39	-122.25	145.81	-388.71	39.49	11.33	12.36	38.46	-5.29
228	4	1066	8498.59	279.23	-989.31	-855.61	145.52	-389.53	62.16	5.29	5.82	61.62	5.49
		21	8412.12	21.86	-1016.60	-949.22	-45.52	-255.80	42.26	-18.57	-18.56	42.26	0.23
		167	4755.28	138.12	-401.84	-218.21	-45.52	-255.80	22.38	-15.21	-11.97	19.14	-10.55
		270	5351.07	422.74	-401.82	-124.60	145.52	-389.53	39.54	11.38	12.42	38.50	-5.30
228	5	1066	8540.21	280.70	-1001.04	-865.51	145.17	-394.13	61.99	5.21	5.70	61.51	5.22
		21	8468.81	22.81	-1028.21	-959.26	-46.14	-260.22	42.23	-18.66	-18.66	42.23	-0.07
		167	4811.89	141.35	-407.29	-219.81	-46.14	-260.22	22.44	-15.46	-12.11	19.10	-10.76
		270	5387.27	426.37	-407.26	-126.06	145.17	-394.13	39.47	11.14	12.24	38.37	-5.47
228	6	1066	8619.49	287.70	-1021.10	-882.82	149.41	-402.32	62.20	5.04	5.60	61.63	5.67
		21	8550.46	23.26	-1049.02	-978.96	-46.80	-264.98	42.13	-19.00	-19.00	42.13	0.37
		167	4826.78	143.54	-415.69	-225.36	-46.80	-264.98	22.32	-15.47	-12.30	19.15	-10.47
		270	5426.37	435.86	-415.66	-129.21	149.41	-402.32	39.63	11.32	12.30	38.65	-5.17
228	7	1066	8490.09	278.80	-987.61	-854.17	145.36	-388.82	62.23	5.29	5.86	61.67	5.62
		21	8401.38	21.96	-1014.85	-947.59	-45.30	-255.36	42.26	-18.57	-18.56	42.26	0.38
		167	4739.23	137.98	-401.09	-217.82	-45.30	-255.36	22.35	-15.12	-11.93	19.16	-10.45
		270	5340.30	422.03	-401.07	-124.39	145.36	-388.82	39.58	11.49	12.49	38.57	-5.21
228	8	1066	6685.54	215.74	-770.01	-667.64	113.37	-300.72	49.41	4.32	4.76	48.97	4.43
		21	6623.92	21.45	-790.84	-738.38	-31.01	-199.65	33.70	-14.52	-14.52	33.70	0.30
		167	3721.72	112.51	-308.75	-165.23	-31.01	-199.65	17.77	-11.78	-9.29	15.28	-8.21
		270	4179.18	327.61	-308.73	-94.49	113.37	-300.72	31.33	9.20	9.98	30.55	-4.08
228	9	1066	5920.80	199.50	-705.66	-609.66	103.49	-278.72	42.38	3.30	3.68	42.00	3.84
		21	5878.43	15.81	-724.98	-676.42	-32.75	-183.35	28.67	-13.15	-13.15	28.66	0.18
		167	3331.45	98.73	-288.41	-156.93	-32.75	-183.35	15.24	-10.78	-8.59	13.06	-7.21
		270	3736.37	301.72	-288.40	-90.17	103.49	-278.72	27.06	7.57	8.24	26.39	-3.55
228	10	1066	5904.37	195.94	-700.87	-607.19	102.25	-274.30	42.29	3.41	3.74	41.96	3.57
		21	5871.41	18.67	-719.75	-671.69	-29.39	-182.15	28.80	-12.95	-12.95	28.80	-0.06
		167	3326.33	101.84	-282.24	-151.01	-29.39	-182.15	15.34	-10.71	-8.44	13.08	-7.33
		270	3715.29	297.95	-282.22	-86.51	102.25	-274.30	26.97	7.51	8.25	26.24	-3.71
228	11	1066	5961.44	201.16	-715.56	-618.65	104.25	-281.87	42.36	3.30	3.65	42.00	3.72
		21	5925.64	16.39	-735.04	-685.82	-32.83	-185.91	28.71	-13.18	-13.18	28.71	0.06
		167	3357.89	100.90	-291.28	-157.55	-32.83	-185.91	15.28	-10.85	-8.62	13.05	-7.30
		270	3761.73	305.13	-291.26	-90.38	104.25	-281.87	27.05	7.51	8.22	26.35	-3.64
229	1	392	229.49	323.73	22.59	321.86	24.46	-23.67	24.06	-8.24	5.43	10.39	15.96
		868	268.33	323.27	-74.34	321.86	-72.93	-23.67	15.70	-13.79	-1.18	3.10	14.59

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		388	98.23	-54.07	-102.65	-83.79	-72.93	-23.67	16.92	-5.29	-1.65	13.28	8.22
		391	101.01	29.41	-88.74	-83.79	24.46	-23.67	25.13	0.40	4.96	20.57	9.59
229	2	392	238.96	337.29	22.57	335.51	24.34	-23.54	23.42	-8.42	4.63	10.37	15.66
		868	278.09	336.87	-74.31	335.51	-72.95	-23.54	15.04	-13.90	-1.97	3.11	14.25
		388	98.91	-51.89	-99.26	-78.20	-72.95	-23.54	16.62	-5.75	-2.48	13.34	7.91
		391	99.67	29.49	-83.35	-78.20	24.34	-23.54	24.80	-0.08	4.13	20.60	9.32
229	3	392	248.30	348.09	22.25	346.28	24.06	-24.21	23.47	-8.94	3.93	10.60	15.86
		868	287.67	347.67	-75.15	346.28	-73.76	-24.21	14.79	-14.46	-2.84	3.17	14.31
		388	98.12	-50.57	-99.03	-75.84	-73.76	-24.21	16.75	-6.50	-3.47	13.72	7.82
		391	101.27	29.62	-81.40	-75.84	24.06	-24.21	25.16	-0.72	3.29	21.15	9.37
229	4	392	303.36	348.27	21.81	346.51	23.57	-23.90	50.39	-10.72	27.42	12.24	29.60
		868	323.94	347.87	-74.33	346.51	-72.97	-23.90	40.77	-21.55	18.02	1.20	30.00
		388	154.91	-50.75	-98.69	-76.46	-72.97	-23.90	37.45	-3.59	20.03	13.82	20.29
		391	164.42	28.99	-81.88	-76.46	23.57	-23.90	47.16	7.14	29.43	24.86	19.88
229	5	392	350.91	448.90	21.82	447.38	23.34	-25.42	46.70	-11.51	22.24	12.95	28.73
		868	370.98	448.62	-75.43	447.38	-74.20	-25.42	36.57	-22.45	12.40	1.72	29.02
		388	141.55	-23.31	-86.89	-36.00	-74.20	-25.42	33.55	-4.79	14.29	14.47	19.17
		391	139.68	32.73	-45.40	-36.00	23.34	-25.42	43.81	6.02	24.13	25.70	18.88
229	6	392	309.43	392.80	23.16	391.15	24.81	-24.59	44.92	-11.60	20.24	13.07	28.03
		868	327.56	392.45	-73.14	391.15	-71.83	-24.59	34.81	-22.21	10.31	2.28	28.23
		388	139.21	-34.12	-87.87	-50.16	-71.83	-24.59	32.06	-5.65	12.01	14.40	18.82
		391	139.46	32.16	-57.50	-50.16	24.81	-24.59	42.26	4.88	21.94	25.19	18.62
229	7	392	226.62	320.68	22.54	318.86	24.36	-23.24	24.32	-8.01	5.86	10.45	16.00
		868	265.35	320.23	-74.35	318.86	-72.98	-23.24	15.80	-13.65	-0.85	3.00	14.60
		388	98.02	-55.29	-103.50	-85.81	-72.98	-23.24	17.02	-4.88	-1.32	13.46	8.08
		391	101.94	29.06	-90.51	-85.81	24.36	-23.24	25.41	0.90	5.39	20.91	9.49
229	8	392	191.57	268.19	17.63	266.79	19.03	-18.68	17.79	-6.93	2.72	8.14	12.06
		868	221.73	267.86	-57.57	266.79	-56.49	-18.68	11.20	-11.04	-2.35	2.50	10.85
		388	75.37	-38.49	-75.87	-57.86	-56.49	-18.68	12.92	-5.07	-2.84	10.70	5.92
		391	78.72	23.33	-62.16	-57.86	19.03	-18.68	19.31	-0.75	2.22	16.34	7.12
229	9	392	164.12	231.63	15.41	230.33	16.71	-16.72	17.26	-5.86	3.99	7.41	11.43
		868	191.82	231.32	-53.29	230.33	-52.31	-16.72	11.24	-9.88	-0.80	2.17	10.45
		388	70.03	-38.71	-72.87	-59.27	-52.31	-16.72	12.06	-3.75	-1.13	9.45	5.87
		391	71.19	20.23	-62.79	-59.27	16.71	-16.72	17.97	0.38	3.66	14.69	6.85
229	10	392	174.55	245.17	15.22	243.90	16.49	-17.02	16.92	-6.24	3.15	7.53	11.37
		868	202.55	244.88	-53.74	243.90	-52.77	-17.02	10.73	-10.24	-1.72	2.21	10.30
		388	69.92	-36.76	-70.86	-54.86	-52.77	-17.02	11.96	-4.41	-2.14	9.69	5.65
		391	71.33	20.34	-58.71	-54.86	16.49	-17.02	17.98	-0.24	2.73	15.02	6.73
229	11	392	206.76	270.00	15.73	268.83	16.91	-17.23	28.77	-7.65	12.22	8.90	18.14
		868	219.98	269.75	-52.62	268.83	-51.70	-17.23	21.78	-14.49	5.58	1.71	18.03
		388	92.28	-28.04	-64.25	-40.59	-51.70	-17.23	20.16	-3.64	6.46	10.07	11.76
		391	92.06	21.68	-45.36	-40.59	16.91	-17.23	27.23	3.13	13.09	17.26	11.87
230	1	391	362.64	-74.78	-548.49	-118.89	-504.38	-137.65	3.97	-9.28	-6.19	0.88	5.61
		388	192.56	13.77	-261.72	-118.89	-129.06	-137.65	14.66	7.20	7.29	14.57	-0.83
		328	279.52	55.78	-231.57	-46.73	-129.06	-137.65	45.90	-0.01	2.80	43.09	11.01
		381	477.71	-8.52	-542.59	-46.73	-504.38	-137.65	35.93	-17.21	-10.68	29.40	17.44
230	2	391	363.68	-69.98	-547.66	-113.31	-504.34	-137.18	3.65	-9.68	-6.98	0.96	5.35
		388	190.21	16.08	-258.76	-113.31	-129.37	-137.18	14.82	6.29	6.44	14.67	-1.11
		328	278.82	53.60	-232.23	-49.26	-129.37	-137.18	45.89	-0.72	1.91	43.25	10.76
		381	477.45	-11.10	-542.49	-49.26	-504.34	-137.18	35.81	-17.78	-11.51	29.53	17.23
230	3	391	368.42	-67.73	-552.23	-111.27	-508.69	-138.57	3.52	-10.45	-8.01	1.08	5.31
		388	191.27	17.58	-260.29	-111.27	-131.44	-138.57	15.14	5.40	5.57	14.97	-1.28
		328	282.04	51.93	-236.15	-52.79	-131.44	-138.57	46.43	-1.60	0.94	43.89	10.75
		381	482.36	-13.97	-547.50	-52.79	-508.69	-138.57	36.15	-18.80	-12.64	30.00	17.33
230	4	391	358.53	-67.89	-549.78	-111.58	-506.10	-138.36	19.44	-16.46	12.88	-9.90	13.87
		388	247.18	18.54	-258.71	-111.58	-128.59	-138.36	34.97	4.34	31.67	7.63	9.49
		328	316.43	50.30	-235.61	-56.72	-128.59	-138.36	57.75	8.35	29.74	36.37	24.48
		381	463.29	-17.54	-545.28	-56.72	-506.10	-138.36	44.01	-14.23	10.94	18.83	28.85
230	5	391	369.93	-30.34	-553.45	-71.59	-512.19	-141.00	13.70	-16.71	7.07	-10.07	12.56
		388	230.41	42.47	-245.89	-71.59	-131.83	-141.00	29.44	5.44	26.35	8.53	8.04
		328	319.18	41.75	-246.36	-72.78	-131.83	-141.00	55.88	6.02	24.28	37.63	24.02
		381	469.23	-31.43	-553.55	-72.78	-512.19	-141.00	41.40	-17.38	5.00	19.02	28.54
230	6	391	354.46	-42.29	-541.89	-84.78	-499.41	-139.36	12.12	-16.38	5.17	-9.43	12.24
		388	228.12	36.07	-245.48	-84.78	-124.64	-139.36	27.43	6.02	24.03	9.42	7.83
		328	315.09	54.84	-232.84	-53.36	-124.64	-139.36	55.09	4.46	21.99	37.56	24.09
		381	466.13	-13.40	-539.37	-53.36	-499.41	-139.36	40.47	-18.63	3.12	18.71	28.50
230	7	391	361.02	-77.16	-548.72	-120.95	-504.93	-136.87	3.73	-8.98	-5.93	0.68	5.43
		388	191.65	11.79	-262.07	-120.95	-129.33	-136.87	14.58	7.55	7.69	14.44	-0.98
		328	278.31	54.61	-231.17	-47.23	-129.33	-136.87	45.89	0.44	3.23	43.10	10.91
		381	476.69	-9.42	-542.74	-47.23	-504.93	-136.87	35.84	-16.88	-10.38	29.34	17.33
230	8	391	282.82	-51.65	-423.35	-85.06	-389.94	-106.31	2.66	-8.13	-6.51	1.04	3.85
		388	146.89	13.69	-199.52	-85.06	-100.77	-106.31	12.23	4.05	4.21	12.07	-1.11

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		328	219.07	39.97	-181.08	-40.34	-100.77	-106.31	36.82	-1.15	0.83	34.83	8.45
		381	372.22	-10.55	-419.74	-40.34	-389.94	-106.31	28.49	-14.57	-9.88	23.80	13.42
230	9	391	258.97	-53.23	-391.78	-84.36	-360.66	-97.82	2.88	-6.63	-4.29	0.54	4.10
		388	136.95	9.25	-186.58	-84.36	-92.98	-97.82	10.22	5.14	5.20	10.15	-0.59
		328	198.38	38.69	-165.65	-33.98	-92.98	-97.82	32.35	-0.09	1.87	30.39	7.72
		381	340.33	-6.93	-387.71	-33.98	-360.66	-97.82	25.43	-12.28	-7.63	20.77	12.41
230	10	391	262.17	-49.31	-393.87	-80.12	-363.05	-98.33	2.60	-7.26	-5.30	0.65	3.93
		388	136.20	11.37	-185.79	-80.12	-94.30	-98.33	10.49	4.13	4.25	10.38	-0.84
		328	199.78	36.55	-168.19	-37.35	-94.30	-98.33	32.64	-0.97	0.83	30.83	7.57
		381	342.92	-9.96	-390.43	-37.35	-363.05	-98.33	25.55	-13.16	-8.72	21.11	12.34
230	11	391	253.77	-35.18	-388.12	-65.40	-357.90	-98.76	6.99	-10.16	2.02	-5.19	7.78
		388	156.21	21.60	-177.52	-65.40	-90.52	-98.76	16.45	5.35	14.51	7.29	4.22
		328	216.70	38.15	-166.33	-37.66	-90.52	-98.76	36.64	3.21	12.53	27.32	14.99
		381	332.99	-9.65	-385.91	-37.66	-357.90	-98.76	27.41	-12.53	0.04	14.84	18.55
231	1	487	1158.01	493.86	-1314.63	493.58	-1314.34	22.73	49.18	-30.46	-4.84	23.55	37.20
		398	479.45	494.59	-16.25	493.58	-15.24	22.73	95.88	14.10	14.84	95.13	7.78
		411	536.02	-7.47	-81.74	-73.97	-15.24	22.73	180.90	-18.03	-1.75	164.62	54.53
		330	1184.79	-73.55	-1314.76	-73.97	-1314.34	22.73	137.42	-65.81	-21.43	93.04	83.96
231	2	487	1121.96	481.21	-1275.91	480.86	-1275.56	24.61	46.75	-29.86	-4.92	21.80	35.90
		398	465.36	482.09	-14.21	480.86	-12.99	24.61	93.10	13.83	14.49	92.44	7.21
		411	525.74	-4.20	-81.95	-73.17	-12.99	24.61	176.43	-17.64	-1.66	160.45	53.34
		330	1148.41	-72.67	-1276.07	-73.17	-1275.56	24.61	133.39	-64.64	-21.07	89.82	82.04
231	3	487	1115.86	478.05	-1271.09	477.68	-1270.72	25.27	46.11	-29.47	-4.80	21.43	35.44
		398	460.01	478.99	-11.18	477.68	-9.88	25.27	92.17	13.69	14.33	91.52	7.09
		411	522.50	-0.89	-80.90	-71.91	-9.88	25.27	174.64	-17.48	-1.62	158.77	52.88
		330	1141.09	-71.37	-1271.26	-71.91	-1270.72	25.27	131.91	-63.98	-20.75	88.68	81.23
231	4	487	1179.34	477.69	-1270.05	477.36	-1269.72	23.96	75.45	-25.18	1.49	48.78	44.41
		398	494.77	478.53	-14.54	477.36	-13.37	23.96	107.73	12.12	14.53	105.32	15.01
		411	545.77	-4.85	-80.69	-72.17	-13.37	23.96	184.83	-17.09	-2.58	170.32	52.14
		330	1198.61	-71.69	-1270.20	-72.17	-1269.72	23.96	153.17	-55.02	-15.62	113.78	81.54
231	5	487	1159.07	491.07	-1270.66	490.63	-1270.23	27.54	63.29	-27.74	-1.64	37.19	41.16
		398	493.22	492.12	-19.86	490.63	-18.38	27.54	102.35	13.17	14.71	100.81	11.60
		411	544.26	-7.78	-89.96	-79.37	-18.38	27.54	183.29	-17.56	-2.27	168.01	53.25
		330	1177.03	-78.73	-1270.87	-79.37	-1270.23	27.54	146.04	-60.27	-18.62	104.39	82.81
231	6	487	1410.77	613.29	-1567.78	613.15	-1567.64	17.45	66.15	-34.49	-3.89	35.54	46.30
		398	611.26	613.61	-52.15	613.15	-51.69	17.45	116.91	16.12	17.50	115.53	11.72
		411	611.57	-46.05	-105.69	-100.05	-51.69	17.45	213.21	-21.36	-2.35	194.20	64.02
		330	1416.49	-99.84	-1567.85	-100.05	-1567.64	17.45	165.56	-75.09	-23.74	114.21	98.59
231	7	487	1125.55	477.48	-1274.16	477.16	-1273.83	23.92	49.72	-29.06	-4.07	24.73	36.66
		398	464.81	478.33	-12.66	477.16	-11.49	23.92	94.23	13.60	14.42	93.42	8.07
		411	525.31	-3.11	-79.72	-71.34	-11.49	23.92	176.45	-17.48	-1.73	160.70	52.97
		330	1151.94	-70.86	-1274.31	-71.34	-1273.83	23.92	134.89	-63.10	-20.22	92.01	81.56
231	8	487	862.79	368.91	-984.58	368.70	-984.37	16.71	34.77	-22.37	-3.77	16.17	26.77
		398	356.14	369.43	-12.03	368.70	-11.29	16.71	70.44	10.45	10.88	70.01	5.05
		411	397.12	-5.58	-60.14	-54.42	-11.29	16.71	134.21	-13.20	-1.26	122.26	40.23
		330	883.08	-54.12	-984.67	-54.42	-984.37	16.71	101.20	-48.68	-15.91	68.42	61.95
231	9	487	812.41	346.71	-920.56	346.43	-920.28	18.78	35.42	-21.65	-3.28	17.05	26.66
		398	336.49	347.43	-8.46	346.43	-7.47	18.78	68.34	10.02	10.59	67.76	5.77
		411	384.22	-0.71	-59.66	-52.90	-7.47	18.78	128.38	-12.91	-1.24	116.71	38.90
		330	831.93	-52.49	-920.69	-52.90	-920.28	18.78	97.69	-46.80	-15.11	66.00	59.79
231	10	487	788.99	337.93	-896.38	337.60	-896.05	20.19	33.72	-21.10	-3.26	15.88	25.68
		398	325.70	338.79	-5.68	337.60	-4.49	20.19	66.28	9.79	10.31	65.76	5.39
		411	376.71	2.96	-59.21	-51.75	-4.49	20.19	124.90	-12.60	-1.16	113.46	37.98
		330	807.65	-51.27	-896.53	-51.75	-896.05	20.19	94.63	-45.79	-14.74	63.58	58.27
231	11	487	952.81	413.03	-1061.17	412.86	-1061.00	15.84	44.85	-23.89	-2.76	23.72	31.71
		398	409.63	413.43	-28.29	412.86	-27.72	15.84	80.03	11.14	12.07	79.10	7.96
		411	426.17	-22.17	-72.94	-67.39	-27.72	15.84	146.33	-14.76	-1.57	133.14	44.16
		330	960.65	-67.14	-1061.25	-67.39	-1061.00	15.84	113.32	-51.96	-16.40	77.77	67.92
232	1	165	8415.88	-421.85	-505.20	-491.57	-435.48	30.83	82.84	23.84	23.85	82.83	0.74
		1066	7766.32	264.83	-446.08	-246.30	65.06	-319.55	61.07	-11.64	-11.63	61.06	-0.85
		270	4970.97	541.08	-149.45	326.57	65.06	-319.55	23.70	-7.83	3.36	12.51	-15.09
		246	5082.01	83.13	-437.32	81.30	-435.48	30.83	50.25	22.87	38.84	34.28	-13.50
232	2	165	8166.00	-442.75	-518.64	-502.71	-458.68	30.91	78.83	23.38	23.44	78.77	-1.84
		1066	7789.07	277.82	-460.51	-246.63	63.93	-334.92	59.17	-11.91	-11.71	58.97	-3.81
		270	5227.30	560.84	-161.81	335.10	63.93	-334.92	24.28	-9.18	3.00	12.09	-16.10
		246	5036.34	80.79	-460.45	79.02	-458.68	30.91	49.50	20.54	38.15	31.89	-14.14
232	3	165	8329.39	-415.45	-501.22	-489.03	-427.65	29.96	82.12	23.76	23.76	82.12	0.28
		1066	7741.58	257.20	-442.88	-248.63	62.95	-313.46	60.80	-11.54	-11.52	60.78	-1.29
		270	4944.43	532.72	-146.21	323.55	62.95	-313.46	23.80	-7.91	3.41	12.48	-15.19
		246	5035.84	84.91	-429.40	83.16	-427.65	29.96	50.09	22.43	38.69	33.83	-13.61
232	4	165	8329.92	-416.04	-505.29	-493.39	-427.94	30.34	82.13	23.75	23.75	82.13	0.27
		1066	7761.74	257.54	-445.77	-252.31	64.07	-314.06	60.84	-11.56	-11.54	60.82	-1.29

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		270	4947.80	535.38	-145.21	326.11	64.07	-314.06	23.80	-7.87	3.41	12.52	-15.17
		246	5036.04	86.81	-429.73	85.02	-427.94	30.34	50.09	22.45	38.71	33.83	-13.60
232	5	165	8318.66	-419.95	-507.68	-495.43	-432.21	30.41	81.82	23.73	23.73	81.82	0.07
		1066	7766.57	260.09	-448.34	-252.28	64.03	-316.95	60.67	-11.60	-11.57	60.64	-1.53
		270	4981.04	539.15	-147.41	327.72	64.03	-316.95	23.84	-8.01	3.36	12.47	-15.26
		246	5039.62	86.35	-433.99	84.56	-432.21	30.41	50.03	22.28	38.66	33.65	-13.65
232	6	165	8402.24	-429.18	-519.49	-506.98	-441.69	31.20	82.45	23.79	23.79	82.45	0.47
		1066	7816.17	266.02	-458.56	-258.32	65.78	-324.03	60.94	-11.71	-11.69	60.92	-1.13
		270	5016.37	551.51	-150.38	335.35	65.78	-324.03	23.75	-7.91	3.32	12.51	-15.15
		246	5083.89	88.53	-443.53	86.69	-441.69	31.20	50.18	22.66	38.80	34.04	-13.55
232	7	165	8341.91	-415.42	-504.98	-493.17	-427.23	30.30	82.30	23.77	23.77	82.30	0.38
		1066	7761.84	256.97	-445.46	-252.48	63.98	-313.55	60.92	-11.55	-11.54	60.90	-1.17
		270	4937.91	534.72	-144.87	325.87	63.98	-313.55	23.78	-7.81	3.43	12.53	-15.13
		246	5038.60	86.96	-429.01	85.17	-427.23	30.30	50.12	22.55	38.74	33.93	-13.58
232	8	165	6591.01	-321.82	-389.16	-379.86	-331.12	23.23	65.27	18.84	18.84	65.27	0.33
		1066	6111.93	198.94	-343.76	-193.68	48.85	-242.75	48.35	-9.04	-9.03	48.33	-0.88
		270	3864.37	412.99	-112.97	251.16	48.85	-242.75	18.83	-6.12	2.76	9.94	-11.95
		246	3969.37	66.34	-332.48	64.98	-331.12	23.23	39.66	17.86	30.64	26.88	-10.74
232	9	165	5759.29	-296.26	-354.62	-345.08	-305.80	21.58	56.38	16.27	16.27	56.38	0.36
		1066	5339.07	185.77	-313.22	-172.95	45.49	-224.32	41.59	-8.06	-8.04	41.58	-0.77
		270	3452.34	379.75	-105.05	229.21	45.49	-224.32	16.22	-5.49	2.22	8.51	-10.39
		246	3490.65	58.35	-307.08	57.07	-305.80	21.58	34.33	15.52	26.54	23.31	-9.26
232	10	165	5711.47	-292.71	-352.40	-343.67	-301.45	21.10	55.99	16.23	16.23	55.99	0.11
		1066	5325.61	181.53	-311.45	-174.24	44.32	-220.94	41.44	-8.00	-7.98	41.42	-1.02
		270	3437.61	375.11	-103.25	227.54	44.32	-220.94	16.28	-5.53	2.25	8.50	-10.45
		246	3464.89	59.34	-302.68	58.11	-301.45	21.10	34.24	15.28	26.45	23.06	-9.33
232	11	165	5751.98	-300.34	-362.55	-353.64	-309.25	21.79	56.17	16.24	16.24	56.16	0.21
		1066	5367.27	186.43	-320.16	-179.62	45.90	-226.81	41.52	-8.09	-8.08	41.50	-0.93
		270	3477.60	385.55	-105.56	234.09	45.90	-226.81	16.25	-5.54	2.20	8.51	-10.43
		246	3491.78	61.35	-310.53	60.07	-309.25	21.79	34.28	15.41	26.51	23.17	-9.29
233	1	400	569.02	581.29	-130.04	577.17	-125.92	53.99	-8.62	-77.62	-10.65	-75.59	11.65
		318	1415.19	578.45	-1700.88	577.17	-1699.60	53.98	14.61	-30.24	-0.23	-15.40	21.11
		197	1243.43	-78.31	-1701.40	-80.11	-1699.61	53.98	51.52	-75.55	6.02	-30.06	60.92
		402	422.51	-44.37	-161.66	-80.11	-125.91	53.99	19.70	-114.35	-4.40	-90.25	51.47
233	2	400	554.50	565.42	-126.46	561.74	-122.79	50.31	-8.36	-76.05	-10.40	-74.02	11.56
		318	1372.06	562.89	-1646.04	561.74	-1644.89	50.30	14.19	-29.90	-0.32	-15.40	20.71
		197	1203.35	-78.67	-1646.51	-80.28	-1644.90	50.30	50.22	-73.86	5.76	-29.40	59.50
		402	410.25	-46.92	-156.14	-80.28	-122.78	50.31	19.29	-111.64	-4.32	-88.02	50.34
233	3	400	546.89	558.80	-120.09	555.33	-116.62	48.43	-8.12	-75.88	-10.29	-73.71	11.92
		318	1363.02	556.40	-1632.90	555.33	-1631.83	48.42	13.64	-31.14	-0.81	-16.69	20.94
		197	1195.01	-76.41	-1633.34	-77.91	-1631.84	48.42	48.88	-73.67	5.23	-30.02	58.69
		402	402.27	-45.11	-149.41	-77.91	-116.61	48.43	19.02	-110.30	-4.24	-87.04	49.67
233	4	400	523.53	560.74	-106.92	557.97	-104.15	42.92	-6.58	-66.42	-8.59	-64.41	10.79
		318	1343.82	558.81	-1633.11	557.97	-1632.27	42.92	7.63	-23.55	-3.82	-12.10	15.03
		197	1133.68	-79.12	-1633.46	-80.31	-1632.28	42.92	43.35	-57.48	-0.42	-13.72	49.97
		402	341.00	-47.68	-136.78	-80.31	-104.15	42.93	19.31	-90.53	-5.19	-66.02	45.73
233	5	400	534.85	565.54	-113.60	563.10	-111.16	40.60	-6.38	-68.70	-8.61	-66.47	11.57
		318	1342.17	563.86	-1615.58	563.11	-1614.83	40.60	7.29	-26.51	-4.14	-15.08	15.99
		197	1128.87	-85.31	-1615.91	-86.39	-1614.83	40.59	42.14	-59.89	-0.64	-17.11	50.34
		402	346.13	-56.32	-141.22	-86.39	-111.15	40.60	18.99	-92.61	-5.11	-68.51	45.93
233	6	400	674.37	698.94	-186.45	693.30	-180.80	70.48	-8.98	-79.33	-10.64	-77.67	10.66
		318	1621.68	695.16	-1968.12	693.30	-1966.26	70.47	11.90	-22.98	-1.77	-9.30	17.03
		197	1374.93	-105.46	-1968.93	-108.13	-1966.26	70.47	56.25	-70.23	2.73	-16.71	62.49
		402	462.39	-65.17	-223.75	-108.12	-180.79	70.48	23.01	-114.22	-6.13	-85.08	56.12
233	7	400	547.07	559.33	-121.43	555.72	-117.83	49.41	-8.18	-75.47	-10.28	-73.37	11.69
		318	1363.81	556.84	-1636.89	555.72	-1635.78	49.41	13.73	-30.26	-0.68	-15.85	20.64
		197	1195.76	-76.35	-1637.35	-77.92	-1635.78	49.40	49.27	-73.11	5.31	-29.15	58.71
		402	403.23	-44.58	-151.16	-77.91	-117.82	49.41	19.12	-110.08	-4.29	-86.67	49.76
233	8	400	419.34	432.38	-90.16	429.67	-87.46	37.49	-6.15	-57.60	-7.89	-55.85	9.31
		318	1052.15	430.51	-1261.52	429.67	-1260.69	37.48	10.58	-23.63	-0.60	-12.44	16.05
		197	918.71	-58.75	-1261.86	-59.91	-1260.69	37.48	37.73	-55.43	3.99	-21.69	44.78
		402	304.65	-33.75	-113.62	-59.91	-87.45	37.49	14.81	-83.21	-3.30	-65.10	38.05
233	9	400	400.85	407.19	-91.48	404.48	-88.77	36.67	-6.12	-55.40	-7.55	-53.98	8.25
		318	993.06	405.32	-1192.41	404.48	-1191.57	36.67	10.25	-21.72	-0.24	-11.24	15.01
		197	874.18	-55.80	-1192.76	-56.99	-1191.57	36.67	36.33	-54.11	4.21	-21.98	43.29
		402	299.45	-32.91	-112.84	-56.99	-88.77	36.67	13.87	-81.69	-3.10	-64.72	36.52
233	10	400	388.56	394.70	-85.96	392.35	-83.60	33.58	-5.85	-54.43	-7.34	-52.93	8.39
		318	964.08	393.08	-1154.65	392.35	-1153.92	33.58	9.71	-22.23	-0.56	-11.96	14.92
		197	847.28	-54.74	-1154.95	-55.77	-1153.92	33.58	34.87	-53.07	3.77	-21.96	42.04
		402	288.21	-33.33	-106.03	-55.77	-83.60	33.58	13.49	-79.45	-3.02	-62.94	35.52
233	11	400	459.35	472.54	-122.81	468.99	-119.26	45.83	-6.33	-56.35	-7.54	-55.13	7.69
		318	1107.76	470.16	-1340.87	468.99	-1339.71	45.83	8.71	-17.66	-1.09	-7.85	12.75

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		197	947.21	-70.89	-1341.37	-72.55	-1339.72	45.83	38.87	-51.06	2.38	-14.57	44.16
		402	321.45	-44.46	-147.34	-72.55	-119.26	45.83	15.66	-81.58	-4.07	-61.85	39.11
234	1	470	1529.73	819.75	-1625.46	747.14	-1552.85	415.05	3.42	-58.76	-21.62	-33.72	30.50
		368	1186.01	837.66	-1155.84	747.14	-1065.32	415.05	40.80	16.80	31.51	26.08	11.69
		393	1083.14	-112.11	-1246.04	-292.83	-1065.32	415.05	215.69	-24.39	15.29	176.00	89.18
		158	1300.65	-168.41	-1677.28	-292.83	-1552.85	415.05	171.81	-93.46	-37.84	116.20	107.98
234	2	470	1469.09	788.54	-1603.32	721.12	-1535.89	395.89	12.94	-51.36	-20.10	-18.31	32.14
		368	1127.72	806.07	-1123.77	721.12	-1038.81	395.89	49.65	21.07	30.78	39.95	13.53
		393	1107.39	-118.05	-1209.03	-288.27	-1038.82	395.89	229.07	-22.01	15.16	191.90	89.17
		158	1335.10	-173.25	-1650.91	-288.27	-1535.89	395.89	186.02	-88.10	-35.72	133.64	107.78
234	3	470	1441.17	780.88	-1597.49	714.57	-1531.18	391.56	24.36	-47.84	-18.15	-5.32	35.52
		368	1139.55	798.40	-1114.29	714.57	-1030.46	391.56	60.07	20.43	29.92	50.58	16.91
		393	1132.74	-118.47	-1198.58	-286.58	-1030.46	391.56	239.10	-21.35	14.40	203.35	89.62
		158	1367.01	-173.64	-1644.12	-286.58	-1531.18	391.56	198.01	-84.23	-33.67	147.45	108.23
234	4	470	1475.20	774.38	-1613.85	709.49	-1548.96	388.28	-2.52	-49.11	-21.94	-29.69	22.97
		368	1102.54	792.75	-1101.22	709.49	-1017.96	388.28	35.79	25.39	30.30	30.88	5.19
		393	1087.97	-115.85	-1185.08	-282.97	-1017.96	388.28	223.68	-17.09	17.00	189.59	83.94
		158	1332.05	-173.38	-1658.56	-282.97	-1548.96	388.28	177.63	-83.85	-35.24	129.02	101.72
234	5	470	1527.78	783.83	-1634.45	718.66	-1569.28	391.61	2.26	-61.51	-21.17	-38.08	30.75
		368	1152.32	802.02	-1121.01	718.66	-1037.65	391.61	39.74	15.29	32.18	22.85	11.30
		393	1073.33	-119.96	-1204.76	-287.08	-1037.65	391.61	219.45	-24.49	15.58	179.38	90.38
		158	1320.18	-176.94	-1679.42	-287.08	-1569.27	391.61	175.11	-94.43	-37.77	118.44	109.83
234	6	470	1512.42	816.52	-1634.66	745.34	-1563.49	411.58	13.28	-54.43	-20.23	-20.92	33.85
		368	1169.37	834.20	-1161.06	745.34	-1072.21	411.58	49.53	18.91	31.06	37.39	14.98
		393	1120.06	-115.33	-1249.24	-292.37	-1072.21	411.58	227.11	-23.83	14.85	188.43	90.62
		158	1343.45	-170.74	-1685.11	-292.37	-1563.49	411.58	184.40	-90.72	-36.43	130.12	109.49
234	7	470	1461.69	788.48	-1581.80	719.14	-1512.46	399.43	11.57	-52.01	-19.76	-20.68	31.79
		368	1123.36	806.22	-1113.16	719.14	-1026.09	399.43	47.08	19.32	30.18	36.22	13.55
		393	1078.74	-108.42	-1199.95	-282.28	-1026.09	399.43	220.35	-22.46	14.65	183.24	87.37
		158	1301.01	-163.97	-1630.77	-282.28	-1512.46	399.43	178.51	-87.46	-35.30	126.34	105.61
234	8	470	1108.60	603.50	-1229.53	552.51	-1178.54	301.45	19.50	-36.41	-13.80	-3.11	27.44
		368	884.06	616.64	-864.49	552.51	-800.36	301.45	46.76	15.51	22.79	39.47	13.21
		393	876.34	-92.80	-928.79	-221.23	-800.36	301.45	183.65	-16.30	10.95	156.40	68.60
		158	1052.48	-134.21	-1265.55	-221.23	-1178.54	301.45	152.36	-64.19	-25.65	113.82	82.82
234	9	470	1074.35	573.81	-1148.57	522.99	-1097.75	291.46	3.92	-40.68	-15.11	-21.65	22.06
		368	825.67	586.88	-806.76	522.99	-742.87	291.46	30.27	12.87	22.39	20.75	8.66
		393	768.11	-78.13	-870.67	-205.93	-742.87	291.46	155.86	-17.04	10.88	127.94	63.62
		158	1028.76	-119.12	-1184.55	-205.93	-1097.75	291.46	124.74	-65.81	-26.61	85.54	77.02
234	10	470	1025.14	552.22	-1133.03	504.90	-1085.71	278.41	15.59	-34.64	-13.18	-5.87	24.85
		368	799.73	565.05	-783.66	504.90	-723.51	278.41	41.16	14.70	21.50	34.36	11.56
		393	795.73	-81.68	-844.28	-202.46	-723.51	278.41	168.88	-15.35	10.38	143.14	63.87
		158	965.68	-122.02	-1166.14	-202.46	-1085.71	278.41	139.30	-60.69	-24.30	102.91	77.16
234	11	470	1064.74	572.02	-1153.69	521.99	-1103.66	289.54	9.48	-38.35	-14.33	-14.54	23.92
		368	816.51	584.95	-809.65	521.99	-746.70	289.54	35.35	13.82	22.14	27.03	10.49
		393	788.66	-79.94	-872.43	-205.67	-746.70	289.54	162.23	-16.74	10.64	134.85	64.42
		158	952.57	-120.41	-1188.92	-205.67	-1103.66	289.54	131.75	-64.30	-25.83	93.28	77.86
235	1	1140	7509.99	-33.71	-306.46	-112.49	-227.68	123.61	75.34	16.45	17.18	74.60	-6.53
		199	7597.40	-33.45	-213.78	-81.92	-165.31	79.95	69.77	-3.80	1.48	64.48	-18.99
		258	5309.91	19.84	-199.82	-14.69	-165.30	79.95	27.59	-27.60	-25.28	25.27	-11.08
		1114	4762.95	17.15	-290.10	-45.25	-227.69	123.61	35.43	-9.63	-9.58	35.39	1.38
235	2	1140	7449.39	-32.86	-298.62	-109.62	-221.87	120.44	74.90	16.47	17.26	74.11	-6.77
		199	7553.01	-32.61	-208.65	-79.95	-161.32	78.05	69.48	-3.76	1.65	64.07	-19.15
		258	5254.32	19.33	-195.03	-14.40	-161.30	78.05	27.43	-27.28	-24.90	25.05	-11.17
		1114	4697.14	16.72	-282.68	-44.07	-221.88	120.44	35.12	-9.32	-9.29	35.08	1.21
235	3	1140	7462.65	-32.48	-295.62	-108.43	-219.67	119.24	75.16	16.49	17.27	74.38	-6.73
		199	7565.16	-32.23	-206.87	-79.16	-159.94	77.42	69.74	-3.64	1.72	64.37	-19.10
		258	5255.39	19.09	-193.41	-14.39	-159.93	77.42	27.47	-27.36	-25.03	25.14	-11.06
		1114	4703.20	16.53	-279.87	-43.66	-219.68	119.24	35.18	-9.52	-9.48	35.14	1.31
235	4	1140	7462.64	-32.43	-295.32	-108.28	-219.47	119.11	75.16	16.44	17.22	74.38	-6.72
		199	7568.52	-32.18	-207.06	-79.17	-160.06	77.52	69.72	-3.74	1.63	64.35	-19.11
		258	5260.33	19.05	-193.61	-14.51	-160.05	77.52	27.49	-27.39	-25.06	25.16	-11.06
		1114	4705.65	16.50	-279.60	-43.62	-219.48	119.11	35.23	-9.51	-9.47	35.19	1.32
235	5	1140	7345.41	-32.66	-296.17	-108.48	-220.35	119.29	73.86	16.89	17.85	72.90	-7.31
		199	7485.84	-32.43	-215.30	-81.81	-165.92	81.18	68.82	-3.08	2.63	63.11	-19.45
		258	5160.98	18.96	-201.56	-16.68	-165.91	81.18	26.89	-26.39	-23.81	24.30	-11.45
		1114	4571.57	16.67	-280.40	-43.36	-220.36	119.29	34.11	-8.60	-8.59	34.10	0.69
235	6	1140	7499.77	-33.38	-303.98	-111.42	-225.95	122.58	75.31	16.46	17.20	74.57	-6.54
		199	7596.72	-33.13	-214.31	-81.84	-165.59	80.33	69.74	-3.79	1.50	64.45	-18.99
		258	5308.90	19.58	-200.43	-15.27	-165.58	80.33	27.59	-27.59	-25.26	25.26	-11.10
		1114	4754.05	17.00	-287.81	-44.85	-225.96	122.58	35.42	-9.60	-9.56	35.38	1.36
235	7	1140	7472.40	-32.60	-296.54	-108.85	-220.29	119.63	75.23	16.43	17.20	74.47	-6.68
		199	7569.61	-32.35	-206.13	-79.04	-159.45	77.03	69.76	-3.74	1.59	64.43	-19.08

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		258	5265.26	19.21	-192.65	-14.01	-159.44	77.03	27.52	-27.45	-25.13	25.20	-11.05
		1114	4716.77	16.58	-280.72	-43.83	-220.30	119.63	35.29	-9.56	-9.52	35.24	1.35
235	8	1140	5924.64	-25.23	-229.75	-84.28	-170.70	92.68	59.84	13.08	13.70	59.22	-5.35
		199	6008.16	-25.03	-160.11	-61.31	-123.83	59.87	55.53	-2.90	1.35	51.27	-15.18
		258	4166.40	14.85	-149.67	-11.00	-123.83	59.87	21.86	-21.77	-19.94	20.02	-8.75
		1114	3728.61	12.83	-217.51	-33.97	-170.71	92.68	28.00	-7.62	-7.59	27.97	1.08
235	9	1140	5132.13	-23.51	-213.59	-78.39	-158.71	86.14	51.34	11.26	11.77	50.84	-4.48
		199	5191.18	-23.33	-149.70	-57.32	-115.71	56.03	47.55	-2.57	1.05	43.92	-12.98
		258	3632.46	13.81	-139.95	-10.43	-115.70	56.03	18.81	-18.80	-17.20	17.20	-7.61
		1114	3257.37	11.97	-202.19	-31.51	-158.72	86.14	24.14	-6.50	-6.48	24.11	0.89
235	10	1140	5105.85	-22.82	-207.57	-76.13	-154.26	83.71	51.25	11.28	11.82	50.71	-4.59
		199	5173.29	-22.65	-145.86	-55.78	-112.73	54.63	47.53	-2.49	1.18	43.86	-13.04
		258	3602.18	13.40	-136.38	-10.27	-112.72	54.63	18.74	-18.67	-17.05	17.13	-7.60
		1114	3224.13	11.62	-196.51	-30.62	-154.26	83.71	24.00	-6.44	-6.42	23.98	0.86
235	11	1140	5126.44	-23.33	-212.21	-77.79	-157.75	85.57	51.33	11.27	11.77	50.82	-4.48
		199	5190.80	-23.15	-149.99	-57.27	-115.87	56.25	47.53	-2.57	1.06	43.91	-12.98
		258	3631.91	13.67	-140.29	-10.76	-115.86	56.25	18.81	-18.80	-17.19	17.19	-7.62
		1114	3252.41	11.88	-200.92	-31.28	-157.75	85.57	24.13	-6.49	-6.47	24.11	0.88
236	1	376	1504.63	782.86	-1612.25	741.51	-1570.89	-312.00	20.60	-29.95	-28.62	19.27	-8.09
		98	1663.99	780.14	-1778.05	741.51	-1739.42	-312.00	86.42	38.31	38.53	86.21	3.20
		334	1264.79	-241.48	-1804.40	-306.47	-1739.42	-312.00	111.02	-75.84	47.27	-12.09	88.59
		429	1151.13	-233.67	-1643.69	-306.47	-1570.89	-312.00	33.31	-132.22	-19.88	-79.03	77.30
236	2	376	1524.10	755.26	-1587.96	718.25	-1550.95	-292.16	39.97	-31.70	-30.13	38.40	-10.50
		98	1704.88	752.41	-1780.55	718.25	-1746.40	-292.16	107.84	39.66	39.69	107.81	1.45
		334	1302.88	-247.34	-1803.34	-304.28	-1746.40	-292.16	121.91	-62.37	49.68	9.86	89.96
		429	1087.67	-239.21	-1616.02	-304.28	-1550.95	-292.16	40.62	-120.31	-20.14	-59.55	78.01
236	3	376	1438.73	752.60	-1540.39	712.40	-1500.19	-300.94	22.37	-29.92	-27.19	19.64	-11.63
		98	1608.32	749.58	-1723.63	712.40	-1686.45	-300.94	85.10	37.96	37.99	85.07	-1.27
		334	1213.88	-234.06	-1748.81	-296.41	-1686.45	-300.94	103.47	-70.88	45.12	-12.54	82.27
		429	1104.21	-225.38	-1571.23	-296.41	-1500.19	-300.94	28.51	-126.54	-20.06	-77.96	71.91
236	4	376	1425.30	754.87	-1539.98	714.03	-1499.14	-303.40	10.85	-28.17	-27.70	10.38	-4.26
		98	1589.18	751.90	-1716.99	714.03	-1679.13	-303.40	75.04	34.39	35.63	73.80	7.00
		334	1211.46	-232.37	-1742.75	-296.00	-1679.13	-303.40	105.84	-81.88	44.77	-20.81	87.95
		429	1121.19	-223.82	-1571.32	-296.00	-1499.14	-303.40	32.02	-134.81	-18.57	-84.23	76.68
236	5	376	1452.83	754.28	-1560.84	715.15	-1521.71	-298.45	17.77	-29.22	-28.27	16.83	-6.60
		98	1617.84	751.48	-1736.59	715.15	-1700.26	-298.44	82.78	36.83	37.31	82.30	4.68
		334	1231.96	-238.46	-1761.19	-299.39	-1700.26	-298.45	109.37	-77.04	46.27	-13.94	88.21
		429	1122.01	-230.41	-1590.68	-299.39	-1521.71	-298.44	33.24	-131.96	-19.31	-79.41	76.94
236	6	376	1510.75	783.69	-1608.89	741.92	-1567.13	-313.33	24.24	-30.21	-28.72	22.74	-8.91
		98	1670.51	780.93	-1775.18	741.92	-1736.18	-313.32	90.10	38.79	38.90	89.99	2.32
		334	1272.20	-240.57	-1801.82	-306.21	-1736.18	-313.33	112.43	-72.11	47.64	-7.32	88.08
		429	1137.00	-232.65	-1640.69	-306.21	-1567.13	-313.32	34.29	-128.84	-19.98	-74.58	76.86
236	7	376	1452.49	756.20	-1550.93	715.69	-1510.42	-303.02	21.51	-29.36	-27.88	20.04	-8.53
		98	1612.50	753.39	-1720.07	715.69	-1682.37	-303.02	85.30	37.38	37.49	85.18	2.34
		334	1228.90	-232.80	-1745.72	-296.15	-1682.37	-303.02	108.24	-71.28	45.96	-9.01	85.45
		429	1101.46	-224.73	-1581.84	-296.15	-1510.42	-303.02	32.66	-126.23	-19.41	-74.16	74.58
236	8	376	1110.71	582.22	-1188.88	551.05	-1157.72	-232.87	17.54	-22.89	-20.69	15.33	-9.18
		98	1237.70	579.96	-1325.07	551.05	-1296.16	-232.86	65.41	29.12	29.17	65.36	-1.32
		334	932.32	-179.71	-1344.73	-228.28	-1296.16	-232.87	78.76	-53.87	34.47	-9.58	62.55
		429	850.94	-173.20	-1212.80	-228.28	-1157.72	-232.86	21.50	-96.49	-15.38	-59.61	54.69
236	9	376	1055.32	548.17	-1130.63	519.20	-1101.66	-218.60	14.52	-21.38	-20.41	13.55	-5.84
		98	1173.17	546.13	-1255.27	519.20	-1228.34	-218.60	61.31	27.17	27.32	61.17	2.19
		334	893.18	-170.67	-1273.52	-215.85	-1228.34	-218.60	78.91	-53.81	33.56	-8.46	62.95
		429	808.62	-164.84	-1152.67	-215.85	-1101.66	-218.60	23.66	-93.91	-14.17	-56.09	54.92
236	10	376	1018.71	531.35	-1090.71	503.03	-1062.39	-212.45	15.48	-21.34	-19.61	13.75	-7.80
		98	1142.25	529.15	-1225.03	503.03	-1198.91	-212.45	60.54	27.02	27.02	60.53	-0.29
		334	864.88	-166.54	-1242.63	-210.26	-1198.91	-212.45	74.71	-51.06	32.36	-8.71	59.44
		429	782.51	-160.23	-1112.42	-210.26	-1062.38	-212.45	20.99	-90.75	-14.27	-55.49	51.93
236	11	376	1058.72	548.62	-1128.76	519.43	-1099.57	-219.34	16.54	-21.53	-20.46	15.48	-6.29
		98	1176.80	546.57	-1253.67	519.43	-1226.54	-219.34	63.35	27.44	27.52	63.27	1.70
		334	897.29	-170.17	-1272.08	-215.71	-1226.54	-219.34	79.69	-51.74	33.76	-5.81	62.66
		429	800.76	-164.27	-1151.01	-215.71	-1099.57	-219.34	24.20	-92.03	-14.22	-53.61	54.68
237	1	439	1040.73	401.56	-1099.58	388.70	-1086.71	-138.40	-16.17	-69.18	-20.31	-65.04	-14.22
		517	927.12	402.44	-1004.89	388.70	-991.15	-138.40	22.08	-18.47	21.61	-18.00	-4.35
		350	1029.23	-152.01	-1013.98	-174.84	-991.15	-138.40	41.35	-162.77	24.24	-145.66	56.57
		416	1166.47	-154.30	-1107.25	-174.84	-1086.71	-138.40	-6.00	-204.37	-17.68	-192.69	46.70
237	2	439	900.28	323.05	-915.86	312.71	-905.52	-112.71	-15.35	-71.58	-16.89	-70.04	-9.18
		517	806.67	323.69	-844.52	312.71	-833.54	-112.71	16.22	-31.59	16.22	-31.59	0.14
		350	944.51	-122.98	-851.42	-140.86	-833.54	-112.71	32.41	-165.36	18.75	-151.70	50.15
		416	1052.55	-124.59	-921.78	-140.86	-905.52	-112.71	-5.34	-199.18	-14.36	-190.16	40.84
237	3	439	929.22	323.44	-908.43	312.29	-897.28	-116.70	-15.41	-84.22	-15.54	-84.09	-3.01
		517	831.56	324.23	-828.42	312.29	-816.48	-116.70	11.94	-51.55	11.22	-50.83	6.75

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		350	975.88	-115.28	-835.90	-134.70	-816.48	-116.70	27.66	-181.96	14.78	-169.07	50.34
		416	1083.32	-117.24	-914.74	-134.70	-897.28	-116.70	-3.68	-210.63	-11.97	-202.34	40.58
237	4	439	868.97	324.11	-906.23	312.78	-894.91	-117.51	-13.67	-62.38	-17.06	-58.99	-12.41
		517	772.17	324.88	-828.87	312.78	-816.78	-117.51	18.37	-19.41	18.04	-19.07	-3.54
		350	899.69	-115.20	-836.46	-134.88	-816.78	-117.51	33.41	-151.87	19.86	-138.32	48.24
		416	1014.00	-117.12	-912.66	-134.88	-894.91	-117.51	-6.23	-187.25	-15.24	-178.23	39.37
237	5	439	874.18	324.43	-912.07	313.38	-901.02	-116.37	-13.85	-62.98	-17.22	-59.60	-12.42
		517	776.50	325.19	-833.82	313.38	-822.02	-116.37	18.67	-19.59	18.34	-19.26	-3.51
		350	906.17	-116.96	-841.23	-136.16	-822.02	-116.37	33.91	-153.07	20.16	-139.32	48.81
		416	1021.47	-118.85	-918.34	-136.16	-901.02	-116.37	-6.23	-188.83	-15.41	-179.66	39.89
237	6	439	891.45	333.19	-930.06	321.68	-918.55	-120.05	-14.10	-63.72	-17.43	-60.39	-12.43
		517	791.52	333.99	-848.73	321.68	-836.41	-120.05	18.98	-19.83	18.67	-19.52	-3.44
		350	918.52	-118.75	-856.50	-138.84	-836.41	-120.05	34.52	-154.58	20.50	-140.56	49.54
		416	1036.76	-120.77	-936.62	-138.84	-918.55	-120.05	-6.22	-190.80	-15.60	-181.42	40.54
237	7	439	872.00	324.27	-908.32	313.01	-897.06	-117.29	-13.82	-62.96	-17.08	-59.70	-12.22
		517	774.51	325.05	-829.97	313.01	-817.93	-117.29	18.34	-20.06	18.05	-19.77	-3.32
		350	903.42	-115.40	-837.51	-134.98	-817.93	-117.29	33.49	-152.98	19.89	-139.38	48.48
		416	1018.33	-117.34	-914.70	-134.98	-897.06	-117.29	-6.19	-188.37	-15.24	-179.32	39.59
237	8	439	737.75	247.61	-717.33	239.79	-709.51	-86.54	-11.64	-68.97	-11.72	-68.90	-2.06
		517	648.69	248.35	-635.28	239.79	-626.73	-86.54	8.45	-44.59	7.80	-43.94	5.86
		350	778.68	-88.12	-640.63	-102.03	-626.73	-86.54	19.83	-150.31	10.54	-141.02	38.65
		416	874.30	-89.94	-721.60	-102.03	-709.51	-86.54	-3.17	-171.79	-8.97	-165.98	30.74
237	9	439	703.50	272.44	-740.86	263.24	-731.66	-96.13	-11.31	-47.35	-14.07	-44.59	-9.58
		517	633.29	272.95	-688.35	263.24	-678.64	-96.13	15.27	-12.36	14.98	-12.06	-2.84
		350	703.23	-102.64	-694.68	-118.68	-678.64	-96.13	28.89	-110.98	16.82	-98.92	39.27
		416	789.36	-103.96	-746.38	-118.68	-731.66	-96.13	-3.93	-139.74	-12.23	-131.44	32.53
237	10	439	641.24	229.06	-634.69	220.79	-626.42	-84.07	-11.16	-55.43	-11.41	-55.18	-3.35
		517	579.80	229.51	-590.31	220.79	-581.59	-84.07	9.49	-30.58	9.21	-30.30	3.33
		350	673.59	-82.23	-595.75	-96.38	-581.59	-84.07	21.20	-121.56	11.56	-111.93	35.81
		416	743.12	-83.37	-639.44	-96.38	-626.42	-84.07	-2.73	-143.13	-9.06	-136.80	29.13
237	11	439	620.58	234.47	-646.70	226.01	-638.24	-85.94	-10.15	-44.32	-12.47	-42.00	-8.59
		517	557.96	234.93	-601.59	226.01	-592.67	-85.94	13.55	-13.12	13.35	-12.91	-2.33
		350	641.73	-84.16	-607.19	-98.68	-592.67	-85.94	25.07	-106.41	14.74	-96.09	35.37
		416	717.29	-85.32	-651.60	-98.68	-638.24	-85.94	-4.07	-132.18	-11.07	-125.18	29.11
238	1	453	1079.05	645.76	-1102.76	569.69	-1026.69	356.68	29.21	-30.13	-1.63	0.70	29.65
		444	836.91	667.40	-732.38	569.69	-634.67	356.68	48.65	11.87	25.44	35.07	17.75
		380	741.28	-22.10	-842.35	-229.78	-634.67	356.68	98.73	-36.48	6.30	55.94	62.88
		81	937.67	-93.46	-1163.01	-229.78	-1026.69	356.68	78.12	-77.32	-20.77	21.57	74.78
238	2	453	943.29	559.38	-954.42	489.23	-884.27	318.22	26.91	-27.55	-0.30	-0.34	27.23
		444	713.09	583.27	-587.69	489.23	-493.65	318.22	42.88	8.31	22.35	28.84	16.98
		380	653.09	4.88	-696.78	-198.24	-493.65	318.22	79.77	-36.04	4.90	38.82	55.36
		81	835.73	-73.36	-1009.15	-198.24	-884.27	318.22	62.97	-71.08	-17.75	9.64	65.61
238	3	453	930.72	551.36	-924.54	479.62	-852.81	317.38	23.41	-28.77	0.21	-5.57	25.93
		444	705.55	575.95	-566.06	479.62	-469.73	317.38	38.03	5.70	21.66	22.06	16.16
		380	645.01	17.30	-676.55	-189.52	-469.73	317.38	68.45	-38.68	4.30	25.47	52.51
		81	829.75	-62.13	-980.20	-189.52	-852.81	317.38	53.06	-72.39	-17.16	-2.17	62.28
238	4	453	921.46	545.27	-929.84	477.08	-861.66	309.72	63.75	-17.48	0.25	46.01	33.55
		444	738.60	567.01	-589.69	477.08	-499.77	309.72	80.45	8.16	17.92	70.69	24.70
		380	630.31	2.61	-690.72	-188.34	-499.77	309.72	127.37	-21.65	5.38	100.35	57.41
		81	738.55	-67.54	-982.46	-188.34	-861.66	309.72	111.22	-47.85	-12.29	75.67	66.27
238	5	453	924.15	549.53	-937.88	481.15	-869.51	311.49	61.87	-18.03	-0.03	43.87	33.37
		444	741.78	571.13	-597.14	481.15	-507.16	311.49	78.99	8.53	18.32	69.19	24.38
		380	634.85	0.80	-698.17	-190.21	-507.16	311.49	126.57	-22.18	5.51	98.88	57.90
		81	747.25	-69.01	-990.71	-190.21	-869.51	311.49	110.00	-49.28	-12.84	73.56	66.90
238	6	453	945.55	567.31	-963.00	496.97	-892.66	320.45	60.99	-18.50	-0.16	42.66	33.49
		444	765.23	588.63	-623.33	496.97	-531.67	320.45	78.48	8.88	18.76	68.61	24.29
		380	649.37	-1.19	-725.24	-194.76	-531.67	320.45	127.04	-22.68	5.63	98.73	58.63
		81	767.35	-69.95	-1017.48	-194.76	-892.66	320.45	110.07	-50.59	-13.29	72.77	67.83
238	7	453	915.51	547.45	-930.30	478.68	-861.53	311.27	60.99	-17.90	0.16	42.93	33.14
		444	733.90	569.25	-591.16	478.68	-500.60	311.27	77.68	8.27	18.14	67.81	24.24
		380	631.40	3.89	-692.65	-188.16	-500.60	311.27	123.57	-22.34	5.32	95.91	57.20
		81	744.37	-66.32	-983.37	-188.16	-861.53	311.27	107.41	-49.04	-12.66	71.03	66.10
238	8	453	728.83	429.74	-706.69	372.69	-649.63	248.16	15.21	-25.47	0.12	-10.38	19.65
		444	553.00	449.83	-425.69	372.69	-348.55	248.16	26.48	0.89	16.80	10.57	12.41
		380	508.34	20.15	-515.58	-146.87	-348.55	248.16	43.62	-36.17	2.91	4.55	39.89
		81	659.95	-45.02	-751.49	-146.87	-649.63	248.16	32.06	-62.23	-13.77	-16.40	47.13
238	9	453	727.17	440.07	-759.13	387.81	-706.87	244.83	25.79	-18.40	-0.89	8.28	21.61
		444	560.58	455.42	-498.71	387.81	-431.09	244.83	39.63	9.14	17.12	31.65	13.40
		380	504.25	-12.92	-574.44	-156.26	-431.09	244.83	77.75	-22.11	4.52	51.12	44.16
		81	630.08	-63.15	-799.98	-156.26	-706.87	244.83	63.42	-49.15	-13.48	27.75	52.37
238	10	453	644.96	387.60	-660.10	337.77	-610.27	222.99	22.15	-17.22	0.13	4.80	19.55
		444	488.38	404.60	-406.29	337.77	-339.46	222.99	33.10	6.35	15.02	24.43	12.52

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		380	450.51	8.86	-482.22	-133.90	-339.46	222.99	60.17	-22.57	3.41	34.19	38.40
		81	569.27	-45.80	-698.36	-133.90	-610.27	222.99	48.80	-45.71	-11.47	14.56	45.43
238	11	453	670.29	396.48	-681.48	347.41	-632.41	224.70	44.30	-12.78	-0.07	31.59	23.75
		444	541.35	411.68	-438.14	347.41	-373.87	224.70	56.95	6.74	13.41	50.28	17.04
		380	457.93	-1.29	-509.39	-136.81	-373.87	224.70	94.28	-15.24	4.15	74.88	41.80
		81	542.49	-50.10	-719.12	-136.81	-632.41	224.70	81.97	-35.11	-9.33	56.19	48.51
239	1	399	1024.83	170.00	9.41	52.67	126.73	-71.25	-5.59	-145.95	-41.43	-110.11	61.20
		365	893.37	193.51	3.31	56.29	140.53	-85.26	15.59	-113.83	11.07	-109.31	23.76
		206	1279.01	207.14	18.92	70.26	155.80	-83.83	-63.22	-207.10	-70.89	-199.43	32.33
		102	1427.73	163.83	10.61	62.98	111.46	-72.67	-82.16	-241.46	-123.39	-200.22	69.78
239	2	399	1023.28	191.20	5.90	59.42	137.68	-83.98	-4.98	-141.65	-39.22	-107.41	59.22
		365	892.13	212.21	0.97	62.71	150.47	-96.08	15.76	-111.20	11.48	-106.92	22.93
		206	1265.70	223.36	11.65	71.32	163.69	-95.25	-60.90	-201.90	-67.98	-194.82	30.78
		102	1410.38	184.55	4.76	64.85	124.46	-84.81	-79.75	-234.24	-118.67	-195.32	67.07
239	3	399	1032.68	139.15	-3.92	37.53	97.70	-64.90	-2.20	-149.90	-34.28	-117.82	60.90
		365	922.07	153.59	-5.26	40.03	108.30	-71.71	20.03	-122.23	16.54	-118.74	21.99
		206	1310.43	157.93	-10.22	31.78	115.93	-72.79	-61.02	-218.96	-66.60	-213.38	29.15
		102	1438.15	129.84	-12.33	27.44	90.07	-63.82	-81.94	-247.94	-117.42	-212.46	68.05
239	4	399	993.71	128.93	5.72	32.50	102.14	-50.82	-5.68	-147.43	-43.23	-109.88	62.55
		365	886.46	163.81	-0.24	38.24	125.33	-69.52	9.71	-118.44	4.46	-113.20	25.39
		206	1250.24	180.28	4.08	38.41	145.95	-69.79	-68.81	-205.88	-75.22	-199.47	28.95
		102	1343.93	111.87	-2.64	27.72	81.52	-50.54	-83.96	-235.10	-122.92	-196.15	66.11
239	5	399	1013.55	152.76	6.28	41.48	117.56	-62.59	-5.54	-146.68	-42.20	-110.02	61.89
		365	899.81	188.03	-1.68	47.06	139.29	-82.89	13.18	-115.80	8.26	-110.87	24.72
		206	1277.02	206.98	15.02	60.51	161.50	-81.62	-65.25	-206.47	-72.54	-199.17	31.25
		102	1391.06	140.30	4.64	49.60	95.35	-63.86	-82.56	-238.76	-123.00	-198.32	68.42
239	6	399	1005.45	147.23	6.77	41.77	112.23	-60.76	-5.41	-146.21	-40.91	-110.71	61.14
		365	890.90	180.21	-1.81	46.85	131.54	-80.56	15.79	-114.58	11.33	-110.12	23.70
		206	1276.42	199.62	20.75	67.26	153.11	-78.46	-63.03	-207.61	-70.53	-200.11	32.06
		102	1403.46	138.91	8.77	57.01	90.67	-62.86	-82.05	-241.41	-122.77	-200.70	69.50
239	7	399	990.57	124.27	5.81	36.70	93.38	-52.01	-5.34	-147.45	-40.22	-112.57	61.16
		365	872.72	147.39	-0.56	40.22	106.62	-66.11	16.76	-116.12	12.41	-111.78	23.62
		206	1253.59	161.50	17.16	56.72	121.94	-64.38	-62.33	-209.50	-69.76	-202.08	32.22
		102	1394.94	119.39	8.19	49.52	78.05	-53.74	-82.10	-243.15	-122.39	-202.86	69.75
239	8	399	798.55	109.23	-3.72	29.33	76.18	-51.39	-1.49	-115.51	-26.00	-91.01	46.84
		365	713.25	119.55	-4.35	31.16	84.04	-56.03	15.59	-94.46	12.98	-91.86	16.73
		206	1013.48	122.12	-9.81	23.05	89.27	-57.06	-46.99	-169.27	-51.15	-165.11	22.16
		102	1111.58	101.90	-10.99	19.96	70.95	-50.36	-63.13	-191.27	-90.13	-164.27	52.26
239	9	399	721.96	112.68	6.04	34.53	84.19	-47.18	-3.86	-103.91	-29.12	-78.65	43.46
		365	631.53	129.44	1.68	37.11	94.02	-57.19	11.35	-81.29	8.15	-78.10	16.91
		206	903.96	139.19	12.90	47.17	104.92	-56.16	-44.59	-147.44	-50.00	-142.03	22.96
		102	1007.45	108.32	6.94	41.98	73.29	-48.21	-58.22	-171.65	-87.27	-142.59	49.51
239	10	399	726.26	95.52	-1.35	26.11	68.06	-43.65	-1.99	-106.10	-25.15	-82.94	43.30
		365	647.52	107.26	-3.07	28.07	76.11	-49.66	13.81	-85.95	11.19	-83.34	15.93
		206	921.29	111.85	-3.29	25.79	82.77	-50.02	-43.39	-154.01	-47.61	-149.79	21.19
		102	1012.95	89.34	-5.69	22.24	61.41	-43.29	-58.13	-175.22	-83.95	-149.39	48.55
239	11	399	711.22	100.03	4.57	28.47	76.13	-41.36	-3.76	-104.06	-28.83	-78.99	43.43
		365	630.21	122.05	-1.16	31.86	89.02	-54.58	11.46	-81.71	8.30	-78.54	16.88
		206	902.56	135.01	13.92	45.51	103.42	-53.17	-44.48	-147.72	-49.79	-142.41	22.81
		102	993.97	94.49	5.91	38.66	61.74	-42.76	-58.16	-171.62	-86.93	-142.86	49.36
240	1	448	577.84	198.76	-2.76	39.70	156.30	-82.19	68.60	5.29	37.24	36.66	-31.65
		395	628.00	267.57	-1.83	62.68	203.06	-114.97	71.81	30.37	40.51	61.68	-17.82
		397	523.74	270.57	7.28	74.79	203.06	-114.97	56.72	37.59	49.05	45.27	-9.38
		396	490.12	201.44	6.67	51.81	156.30	-82.19	59.51	6.52	45.78	20.25	-23.21
240	2	448	602.50	210.92	-2.47	44.38	164.06	-88.34	70.47	6.05	36.84	39.68	-32.18
		395	658.94	286.29	-1.62	69.51	215.17	-124.17	74.02	30.24	39.74	64.52	-18.05
		397	553.54	289.38	7.41	81.63	215.17	-124.17	58.30	38.63	48.69	48.24	-9.84
		396	513.08	213.70	6.86	56.51	164.06	-88.34	61.05	8.14	45.79	23.40	-23.97
240	3	448	586.35	158.09	-4.11	25.12	128.86	-62.35	77.66	4.87	44.33	38.21	-36.26
		395	631.44	242.84	-2.43	53.61	186.80	-102.98	77.31	32.62	46.28	63.65	-20.59
		397	542.05	246.26	8.46	67.92	186.80	-102.98	65.80	38.79	56.94	47.66	-12.68
		396	520.05	160.87	7.43	39.44	128.86	-62.35	71.35	5.85	54.99	22.22	-28.35
240	4	448	557.66	178.24	-3.90	31.64	142.71	-72.18	68.17	5.01	35.41	37.77	-31.55
		395	631.65	251.34	-2.65	56.14	192.55	-107.13	74.94	29.78	40.38	64.35	-19.14
		397	507.05	254.17	6.32	67.94	192.55	-107.13	55.67	37.29	46.88	46.08	-9.18
		396	447.19	180.67	5.47	43.43	142.71	-72.18	55.04	6.37	41.91	19.50	-21.60
240	5	448	567.65	187.70	-3.62	35.14	148.93	-76.90	68.47	5.27	36.22	37.51	-31.60
		395	636.54	265.97	-2.45	61.32	202.20	-114.25	73.44	30.07	40.23	63.28	-18.37
		397	522.42	269.29	7.65	74.74	202.20	-114.25	56.22	37.65	47.89	45.98	-9.24
		396	469.52	190.58	6.92	48.56	148.93	-76.90	57.44	6.66	43.88	20.22	-22.46
240	6	448	548.01	168.49	-3.70	30.40	134.39	-68.63	68.62	5.05	37.68	35.99	-31.77
		395	606.49	247.04	-2.47	56.69	187.87	-106.12	71.53	30.42	40.96	60.99	-17.95

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		397	505.08	250.60	8.32	71.05	187.87	-106.12	56.86	37.19	49.49	44.57	-9.52
		396	465.47	171.54	7.61	44.76	134.39	-68.63	59.77	6.01	46.21	19.57	-23.34
240	7	448	519.02	141.76	-4.12	21.80	115.83	-55.77	68.45	4.57	38.64	34.38	-31.87
		395	572.41	217.41	-2.56	47.25	167.61	-92.06	70.71	30.64	41.90	59.45	-18.01
		397	474.61	220.42	7.12	59.94	167.61	-92.06	56.98	36.48	50.46	43.00	-9.55
		396	442.02	144.18	6.14	34.49	115.83	-55.77	60.17	4.95	47.20	17.93	-23.41
240	8	448	457.26	123.75	-3.13	19.91	100.72	-48.91	60.45	3.74	34.52	29.68	-28.25
		395	491.20	189.55	-1.84	42.01	145.69	-80.44	59.98	25.13	35.88	49.24	-16.10
		397	423.03	192.21	6.62	53.14	145.69	-80.44	51.30	29.92	44.23	36.98	-10.06
		396	406.99	125.93	5.83	31.03	100.72	-48.91	55.75	4.55	42.87	17.43	-22.21
240	9	448	400.64	131.55	-2.17	25.12	104.26	-53.89	48.75	3.69	26.72	25.72	-22.53
		395	436.92	181.67	-1.42	41.89	138.37	-77.80	50.88	21.75	29.07	43.55	-12.64
		397	363.85	183.81	5.15	50.60	138.37	-77.80	40.37	26.68	35.17	31.88	-8.64
		396	339.92	133.42	4.67	33.83	104.26	-53.89	42.43	4.42	32.81	14.04	-16.53
240	10	448	405.46	108.99	-2.96	17.03	89.01	-42.87	53.79	3.45	30.65	26.58	-25.09
		395	438.85	167.94	-1.76	36.85	129.33	-71.14	53.94	22.99	32.28	44.65	-14.18
		397	374.14	170.31	5.81	46.78	129.33	-71.14	45.43	27.33	39.55	33.20	-8.48
		396	356.85	110.90	5.06	26.96	89.01	-42.87	49.02	4.05	37.93	15.14	-19.38
240	11	448	384.13	114.75	-2.71	19.96	92.08	-46.36	48.76	3.55	26.96	25.35	-22.59
		395	425.00	170.27	-1.78	38.56	129.93	-72.89	50.72	21.77	29.33	43.17	-12.72
		397	353.58	172.71	5.73	48.52	129.93	-72.89	40.45	26.45	35.41	31.49	-6.72
		396	326.44	116.81	5.18	29.91	92.08	-46.36	42.58	4.14	33.05	13.67	-16.60
241	1	396	270.08	193.67	5.24	58.45	140.46	-84.83	19.48	-14.16	17.48	-12.16	-7.96
		397	341.82	194.81	5.24	58.82	141.22	-85.36	47.29	19.78	47.28	19.78	0.29
		365	598.11	194.17	3.60	56.55	141.22	-85.36	35.52	-49.42	31.11	-45.02	18.84
		399	633.99	193.03	3.60	56.17	140.46	-84.83	2.71	-78.37	1.30	-76.96	10.60
241	2	396	289.28	207.20	5.15	63.22	149.14	-91.44	20.36	-12.12	17.83	-9.59	-8.70
		397	359.67	215.22	5.17	65.85	154.54	-95.21	46.38	21.96	46.38	21.96	-0.09
		365	596.48	214.66	3.77	63.89	154.54	-95.21	35.67	-46.18	31.49	-42.00	18.02
		399	624.79	206.64	3.76	61.27	149.14	-91.44	4.08	-74.69	2.94	-73.55	9.40
241	3	396	304.13	155.39	6.47	47.41	114.45	-66.49	28.51	-17.14	24.89	-13.52	-12.34
		397	365.87	163.98	6.50	50.23	120.25	-70.53	55.27	20.15	55.06	20.35	-2.68
		365	607.62	161.56	-0.17	41.14	120.25	-70.53	42.98	-50.30	39.95	-47.27	16.54
		399	639.61	153.00	-0.22	38.33	114.45	-66.49	10.30	-81.66	9.78	-81.14	6.89
241	4	396	221.54	166.42	6.72	49.44	123.70	-70.69	15.39	-12.69	13.82	-11.13	-6.44
		397	313.29	174.34	6.75	52.03	129.05	-74.42	44.60	20.58	44.52	20.67	1.42
		365	584.26	170.77	-3.72	38.00	129.05	-74.42	32.31	-50.70	27.16	-45.55	20.02
		399	614.29	162.90	-3.80	35.40	123.70	-70.69	-1.58	-79.30	-3.53	-77.35	12.16
241	5	396	247.09	180.94	6.53	55.19	132.27	-78.22	17.54	-13.35	15.78	-11.59	-7.16
		397	331.95	191.18	6.56	58.55	139.19	-83.04	45.75	20.39	45.72	20.42	0.93
		365	597.78	188.26	-1.35	47.73	139.19	-83.04	34.08	-49.95	29.21	-45.08	19.63
		399	626.46	178.05	-1.41	44.37	132.27	-78.22	0.97	-78.80	-0.74	-77.09	11.55
241	6	396	253.51	167.20	5.97	51.90	121.28	-72.77	19.88	-14.79	17.89	-12.80	-8.06
		397	332.24	177.14	5.99	55.15	127.98	-77.44	47.76	19.19	47.75	19.19	0.14
		365	588.82	175.08	0.66	47.76	127.98	-77.44	35.81	-50.00	31.49	-45.68	18.77
		399	617.58	165.16	0.62	44.50	121.28	-72.77	3.01	-79.06	1.63	-77.68	10.57
241	7	396	238.38	138.76	5.01	41.38	102.38	-59.51	20.70	-16.39	18.83	-14.52	-8.11
		397	314.52	147.73	5.04	44.33	108.45	-63.74	48.72	17.46	48.72	17.46	0.12
		365	575.39	147.04	3.20	41.80	108.45	-63.74	36.63	-51.62	32.46	-47.46	18.71
		399	605.98	138.08	3.16	38.86	102.38	-59.51	3.90	-80.76	2.58	-79.44	10.48
241	8	396	239.88	121.79	5.08	37.26	89.61	-52.15	22.54	-13.26	19.59	-10.32	-9.84
		397	286.24	128.24	5.10	39.37	93.96	-55.19	43.02	15.66	42.82	15.86	-2.35
		365	470.09	126.26	-0.33	31.97	93.96	-55.19	33.47	-38.61	31.23	-36.38	12.49
		399	495.19	119.84	-0.37	29.86	89.61	-52.15	8.36	-62.91	8.00	-62.56	5.01
241	9	396	185.63	128.19	3.71	38.59	93.31	-55.90	14.08	-10.40	12.68	-9.00	-5.67
		397	237.62	130.34	3.72	39.29	94.77	-56.91	33.87	13.73	33.87	13.73	0.24
		365	421.26	129.84	2.42	37.49	94.77	-56.91	25.54	-35.43	22.43	-32.32	13.42
		399	445.49	127.69	2.41	36.78	93.31	-55.90	2.23	-56.04	1.24	-55.05	7.51
241	10	396	205.35	106.92	4.39	32.45	78.86	-45.71	19.08	-12.04	16.80	-9.76	-8.11
		397	251.38	113.22	4.42	34.52	83.11	-48.67	38.27	13.96	38.19	14.05	-1.41
		365	426.59	111.73	0.32	28.93	83.11	-48.67	29.67	-35.90	27.34	-33.57	12.14
		399	448.66	105.45	0.28	26.87	78.86	-45.71	6.42	-57.84	5.96	-57.38	5.44
241	11	396	176.96	113.48	4.12	34.94	82.66	-49.20	14.30	-10.75	12.92	-9.36	-5.73
		397	232.60	120.53	4.14	37.25	87.41	-52.51	34.13	13.40	34.13	13.40	0.16
		365	416.20	119.24	0.78	32.61	87.41	-52.51	25.71	-35.75	22.64	-32.69	13.38
		399	436.52	112.21	0.75	30.30	82.66	-49.20	2.40	-56.42	1.43	-55.45	7.49
242	1	23	1678.62	-537.43	-2504.38	-610.20	-2431.60	-371.27	60.99	2.97	3.96	60.00	7.50
		434	726.34	381.00	-749.27	-610.20	241.93	-371.27	60.61	-9.82	-5.39	56.19	17.09
		444	574.26	789.66	-9.73	537.99	241.93	-371.27	13.43	-15.06	4.57	-6.20	13.19
		453	1902.40	583.71	-2477.32	537.99	-2431.60	-371.27	14.68	-3.14	13.92	-2.39	3.59
242	2	23	1444.59	-454.33	-2116.63	-513.70	-2057.26	-308.49	61.51	2.27	3.04	60.73	6.73
		434	626.39	321.65	-627.62	-513.70	207.72	-308.49	59.69	-10.49	-6.32	55.53	16.59

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		444	480.60	667.79	0.87	460.94	207.72	-308.49	9.55	-15.84	3.74	-10.03	10.66
		453	1622.21	498.18	-2094.50	460.94	-2057.26	-308.49	13.14	-4.86	13.10	-4.82	0.81
242	3	23	1412.01	-442.95	-2054.23	-500.86	-1996.31	-299.93	63.85	1.64	2.14	63.35	5.55
		434	616.15	309.16	-611.92	-500.86	198.11	-299.93	60.93	-11.55	-7.59	56.97	16.48
		444	463.34	650.11	-0.92	451.08	198.11	-299.93	6.97	-19.58	3.53	-16.14	8.92
		453	1592.66	487.30	-2032.53	451.08	-1996.31	-299.93	13.43	-9.93	13.26	-9.75	-2.01
242	4	23	1351.42	-444.40	-2060.12	-503.45	-2001.07	-303.18	43.89	2.67	12.55	34.01	17.60
		434	560.68	306.11	-616.99	-503.45	192.58	-303.18	43.31	-1.90	4.99	36.42	16.25
		444	528.49	650.84	-8.00	450.26	192.58	-303.18	48.89	-6.76	2.87	39.27	21.05
		453	1649.72	487.20	-2038.01	450.26	-2001.07	-303.18	49.66	-2.36	10.43	36.86	22.40
242	5	23	1362.99	-448.66	-2080.59	-508.37	-2020.88	-306.38	43.35	2.82	12.33	33.84	17.18
		434	565.35	309.45	-623.15	-508.37	194.67	-306.38	43.08	-1.94	4.82	36.32	16.08
		444	531.47	657.15	-8.30	454.18	194.67	-306.38	47.86	-6.81	3.02	38.03	20.99
		453	1660.99	491.54	-2058.25	454.18	-2020.88	-306.38	48.43	-2.35	10.53	35.55	22.09
242	6	23	1406.85	-464.43	-2150.82	-526.80	-2088.45	-318.27	43.63	3.04	12.23	34.44	16.99
		434	584.31	319.23	-646.53	-526.80	199.50	-318.27	43.57	-2.05	4.64	36.88	16.14
		444	546.98	679.93	-11.34	469.09	199.50	-318.27	47.11	-6.90	3.13	37.09	21.00
		453	1710.64	508.11	-2127.46	469.09	-2088.45	-318.27	47.59	-2.22	10.72	34.65	21.84
242	7	23	1355.78	-445.71	-2064.84	-505.00	-2005.55	-304.11	43.95	3.09	12.13	34.90	16.96
		434	560.36	306.51	-618.96	-505.00	192.55	-304.11	43.66	-2.19	4.47	37.01	16.15
		444	526.12	652.64	-8.46	451.63	192.55	-304.11	46.26	-6.80	2.93	36.52	20.53
		453	1645.62	488.71	-2042.63	451.63	-2005.55	-304.11	46.95	-1.94	10.59	34.42	21.35
242	8	23	1096.77	-342.03	-1587.59	-386.32	-1543.29	-230.67	51.56	0.70	0.92	51.35	3.32
		434	483.27	242.88	-470.89	-386.32	158.31	-230.67	48.62	-9.93	-6.97	45.65	12.83
		444	355.13	503.59	4.21	349.48	158.31	-230.67	4.34	-19.25	2.73	-17.64	5.95
		453	1245.22	377.19	-1571.00	349.48	-1543.29	-230.67	11.17	-12.50	10.62	-11.95	-3.56
242	9	23	1136.01	-365.46	-1700.97	-414.76	-1651.67	-251.81	39.96	2.78	4.10	38.64	6.88
		434	485.39	255.58	-509.36	-414.76	160.98	-251.81	40.32	-5.57	-2.19	36.94	11.99
		444	397.10	535.81	-8.19	366.64	160.98	-251.81	13.58	-7.64	3.03	2.92	10.61
		453	1277.66	397.59	-1682.62	366.64	-1651.67	-251.81	12.95	0.99	9.32	4.62	5.50
242	10	23	987.75	-312.97	-1450.89	-354.02	-1409.85	-212.18	41.38	2.21	3.09	40.50	5.79
		434	423.98	215.66	-433.05	-354.02	136.64	-212.18	40.46	-6.50	-3.41	37.37	11.65
		444	334.48	458.31	-3.32	318.36	136.64	-212.18	8.54	-8.69	2.45	-2.60	8.24
		453	1101.29	344.03	-1435.52	318.36	-1409.85	-212.18	9.58	-0.10	8.95	0.53	2.38
242	11	23	985.25	-324.91	-1504.55	-368.43	-1461.03	-222.37	31.04	2.09	8.70	24.44	12.15
		434	408.38	221.26	-452.28	-368.43	137.41	-222.37	30.97	-1.38	3.39	26.21	11.46
		444	384.32	474.89	-9.11	328.37	137.41	-222.37	34.00	-4.80	2.23	26.96	14.95
		453	1199.53	355.59	-1488.25	328.37	-1461.03	-222.37	34.32	-1.59	7.54	25.20	15.64
243	1	142	2647.04	-754.16	-3705.46	-857.63	-3601.99	-542.83	11.04	-146.65	10.71	-146.32	-7.17
		877	1155.36	609.92	-1058.41	-857.62	409.14	-542.83	47.80	-94.50	42.63	-89.32	-26.64
		368	939.76	1124.55	-2.74	712.67	409.13	-542.83	57.37	-46.21	17.21	-6.05	50.47
		470	2829.19	779.92	-3669.23	712.67	-3601.98	-542.83	35.12	-112.87	-14.71	-63.05	69.94
243	2	142	2549.11	-730.49	-3592.33	-830.71	-3492.12	-526.07	12.22	-136.07	12.13	-135.99	-3.56
		877	1115.12	589.85	-1025.52	-830.71	395.03	-526.07	45.91	-85.97	41.66	-81.71	-23.30
		368	914.83	1088.73	-3.92	689.79	395.03	-526.07	61.28	-39.85	16.17	5.27	50.27
		470	2710.95	754.95	-3557.27	689.79	-3492.11	-526.07	41.07	-103.43	-13.36	-49.01	70.02
243	3	142	2515.29	-724.36	-3561.43	-823.78	-3462.01	-521.71	15.35	-130.74	15.35	-130.73	0.36
		877	1106.45	583.95	-1017.12	-823.78	390.61	-521.70	46.19	-80.97	42.71	-77.49	-20.73
		368	915.03	1079.24	-4.63	683.99	390.61	-521.70	66.35	-37.10	15.31	13.93	51.72
		470	2663.63	748.63	-3526.64	683.99	-3462.00	-521.71	48.40	-99.75	-12.05	-39.31	72.81
243	4	142	2544.14	-720.75	-3549.50	-819.54	-3450.70	-519.33	1.20	-145.02	-0.02	-143.80	-13.31
		877	1095.50	583.05	-1011.83	-819.54	390.76	-519.32	42.92	-95.08	36.63	-88.78	-28.79
		368	881.58	1074.41	-3.73	679.92	390.76	-519.32	52.52	-39.95	18.42	-5.86	44.61
		470	2707.31	744.21	-3514.99	679.92	-3450.70	-519.33	24.21	-103.31	-18.23	-60.87	60.09
243	5	142	2598.37	-730.84	-3598.84	-831.24	-3498.45	-527.12	8.88	-152.71	8.24	-152.07	-10.14
		877	1130.17	591.01	-1026.59	-831.24	395.66	-527.11	48.49	-98.96	42.67	-93.15	-28.69
		368	919.25	1089.41	-4.84	688.92	395.65	-527.11	56.28	-49.82	18.64	-12.17	50.76
		470	2769.32	754.25	-3563.78	688.92	-3498.44	-527.11	31.18	-118.07	-15.80	-71.09	69.32
243	6	142	2627.17	-754.08	-3702.66	-857.96	-3598.78	-543.60	14.44	-140.03	14.39	-139.98	-2.75
		877	1152.65	607.32	-1059.62	-857.96	405.66	-543.60	47.96	-88.47	43.71	-84.22	-23.69
		368	946.30	1123.53	-5.97	711.91	405.65	-543.60	62.29	-42.62	16.16	3.51	52.07
		470	2799.49	779.40	-3666.27	711.91	-3598.77	-543.60	42.87	-108.28	-13.17	-52.24	73.01
243	7	142	2531.12	-726.57	-3569.52	-826.21	-3469.88	-522.83	12.70	-134.41	12.62	-134.33	-3.45
		877	1107.59	585.46	-1019.84	-826.21	391.82	-522.82	45.51	-85.04	41.32	-80.84	-23.02
		368	908.21	1082.53	-3.92	686.78	391.82	-522.82	59.45	-40.45	15.79	3.21	49.56
		470	2699.24	751.54	-3534.63	686.78	-3469.87	-522.82	40.02	-103.21	-12.91	-50.28	69.13
243	8	142	1943.19	-560.53	-2755.06	-637.73	-2677.85	-404.31	12.06	-100.22	12.06	-100.22	0.58
		877	855.99	452.47	-787.67	-637.73	302.54	-404.30	35.55	-62.02	32.93	-59.39	-15.78
		368	707.79	835.46	-4.20	528.73	302.53	-404.30	51.30	-28.30	11.65	11.34	39.80
		470	2058.09	578.92	-2728.04	528.73	-2677.85	-404.31	37.71	-76.42	-9.22	-29.49	56.16
243	9	142	1852.20	-527.72	-2594.02	-599.84	-2521.91	-379.23	8.05	-102.34	7.86	-102.15	-4.53
		877	808.08	425.88	-740.04	-599.84	285.67	-379.22	33.63	-65.61	30.11	-62.09	-18.35

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		368	659.02	786.44	-1.51	499.26	285.67	-379.22	41.38	-31.87	12.10	-2.60	35.88
		470	1976.84	546.14	-2568.78	499.26	-2521.90	-379.23	25.89	-78.70	-10.15	-42.66	49.70
243	10	142	1779.01	-511.17	-2514.01	-581.03	-2444.14	-367.49	10.44	-93.49	10.44	-93.49	-0.34
		877	780.89	411.45	-717.10	-581.03	275.38	-367.49	32.73	-58.09	30.16	-55.52	-15.07
		368	645.33	761.27	-2.56	483.33	275.37	-367.49	46.37	-26.82	11.05	8.50	36.57
		470	1884.87	528.76	-2489.56	483.33	-2444.14	-367.49	33.27	-71.41	-8.67	-29.47	51.30
243	11	142	1841.17	-527.68	-2592.47	-600.02	-2520.12	-379.65	9.94	-98.67	9.90	-98.63	-2.07
		877	806.57	424.43	-740.72	-600.02	283.74	-379.65	33.72	-62.26	30.71	-59.26	-16.71
		368	662.73	785.88	-3.31	498.84	283.73	-379.65	44.15	-29.91	11.52	2.71	36.77
		470	1960.35	545.85	-2567.13	498.84	-2520.12	-379.65	30.22	-76.17	-9.30	-36.66	51.41
244	1	32	1351.57	-720.98	-2133.47	-772.57	-2081.88	-264.98	41.68	-54.64	30.76	-43.72	30.54
		436	951.00	753.97	-818.57	-772.57	707.97	-264.98	23.28	-2.93	21.75	-1.41	-6.14
		398	606.53	885.79	313.10	490.92	707.97	-264.98	77.93	-7.46	-0.63	71.10	23.17
		487	1739.00	517.93	-2108.89	490.92	-2081.88	-264.98	79.29	-42.13	8.38	28.79	59.85
244	2	32	1311.51	-699.36	-2068.70	-749.18	-2018.89	-256.39	39.66	-53.08	29.35	-42.77	29.15
		436	921.63	730.65	-793.60	-749.18	686.23	-256.39	22.54	-3.05	20.98	-1.49	-6.12
		398	587.43	858.90	305.55	478.22	686.23	-256.39	75.41	-7.11	-0.48	68.77	22.44
		487	1685.84	504.27	-2044.94	478.22	-2018.89	-256.39	76.23	-40.85	7.89	27.49	57.71
244	3	32	1302.73	-694.21	-2058.14	-743.39	-2008.96	-254.28	38.76	-51.76	28.61	-41.61	28.57
		436	914.90	727.62	-787.34	-743.39	683.66	-254.28	21.97	-2.62	20.51	-1.16	-5.82
		398	582.82	854.18	304.48	475.00	683.66	-254.28	74.07	-6.98	-0.39	67.47	22.16
		487	1674.93	500.76	-2034.73	475.00	-2008.96	-254.28	74.73	-40.00	7.71	27.03	56.54
244	4	32	1244.74	-695.13	-2058.48	-744.60	-2009.01	-254.94	54.78	-39.46	34.65	-19.34	38.62
		436	905.83	727.09	-788.76	-744.60	682.93	-254.94	21.95	9.03	20.65	10.33	3.89
		398	580.47	854.22	303.49	474.78	682.93	-254.94	76.44	-9.84	-1.81	68.40	25.07
		487	1702.09	500.68	-2034.91	474.78	-2009.01	-254.94	86.72	-35.79	12.19	38.73	59.80
244	5	32	1281.54	-708.21	-2076.52	-759.15	-2025.58	-259.05	48.19	-45.72	32.64	-30.17	34.90
		436	922.40	731.58	-804.17	-759.15	686.56	-259.05	21.07	5.07	21.04	5.09	-0.62
		398	587.58	864.58	309.59	487.61	686.56	-259.05	76.92	-8.77	-1.32	69.47	24.14
		487	1710.63	514.03	-2052.01	487.61	-2025.58	-259.05	83.09	-38.61	10.27	34.21	59.66
244	6	32	1613.20	-900.94	-2608.47	-969.07	-2540.34	-334.20	51.51	-56.22	35.90	-40.62	37.92
		436	1166.56	917.85	-1028.26	-969.07	858.65	-334.20	24.63	3.19	24.24	3.58	-2.86
		398	729.13	1090.71	377.35	609.41	858.65	-334.20	89.42	-9.67	-1.05	80.79	27.94
		487	2126.66	644.48	-2575.41	609.41	-2540.34	-334.20	93.54	-46.32	10.62	36.60	68.72
244	7	32	1299.62	-695.25	-2061.66	-744.62	-2012.29	-255.00	40.87	-50.80	29.70	-39.63	29.99
		436	915.73	728.64	-788.76	-744.62	684.51	-255.00	21.84	-1.10	20.76	-0.02	-4.86
		398	584.38	855.31	303.81	474.61	684.51	-255.00	74.94	-7.36	-0.58	68.17	22.62
		487	1681.29	500.49	-2038.17	474.61	-2012.29	-255.00	76.81	-39.89	8.36	28.56	57.47
244	8	32	1010.89	-539.91	-1597.42	-578.62	-1558.70	-198.60	29.28	-39.96	21.69	-32.37	21.63
		436	711.14	564.58	-613.12	-578.62	530.08	-198.60	16.99	-2.46	15.75	-1.22	-4.75
		398	451.80	663.14	233.66	366.72	530.08	-198.60	56.68	-5.19	-0.25	51.74	16.78
		487	1297.72	386.99	-1578.97	366.72	-1558.70	-198.60	56.93	-30.66	5.69	20.58	43.16
244	9	32	943.02	-502.38	-1489.29	-537.90	-1453.77	-183.83	29.73	-38.12	21.82	-30.20	21.78
		436	662.55	526.14	-569.66	-537.90	494.38	-183.83	16.26	-1.51	15.31	-0.56	-3.99
		398	423.68	617.97	220.95	344.54	494.38	-183.83	55.11	-5.38	-0.44	50.18	16.55
		487	1216.14	363.13	-1472.37	344.54	-1453.77	-183.83	56.25	-29.65	6.06	20.54	42.33
244	10	32	915.88	-487.51	-1447.44	-521.69	-1413.26	-177.88	28.11	-36.52	20.62	-29.03	20.69
		436	642.49	511.50	-552.32	-521.69	480.87	-177.88	15.53	-1.34	14.62	-0.43	-3.82
		398	410.52	600.40	216.16	335.69	480.87	-177.88	52.97	-5.11	-0.31	48.17	15.99
		487	1180.55	353.60	-1431.17	335.69	-1413.26	-177.88	53.71	-28.46	5.69	19.56	40.50
244	11	32	1088.28	-602.39	-1753.14	-647.07	-1708.47	-222.29	35.20	-39.00	24.68	-28.48	25.88
		436	782.26	617.17	-686.15	-647.07	578.09	-222.29	17.01	1.89	16.69	2.20	-2.17
		398	491.69	731.80	256.65	410.36	578.09	-222.29	61.50	-6.61	-0.68	55.57	19.20
		487	1431.51	433.43	-1731.54	410.36	-1708.47	-222.29	64.16	-31.98	7.31	24.88	47.26
245	1	437	584.24	235.17	-687.33	-525.03	72.87	351.25	24.46	-12.71	-11.60	23.35	-6.32
		263	1357.50	-445.45	-2075.49	-525.03	-1995.92	351.25	40.09	-1.13	-1.00	39.96	2.33
		517	1656.43	448.46	-2046.39	397.98	-1995.92	351.25	18.46	-43.12	6.23	-30.88	24.57
		439	565.51	622.47	-151.62	397.98	72.87	351.25	0.86	-52.74	-4.38	-47.49	15.92
245	2	437	476.22	178.63	-560.60	-426.27	44.30	285.05	16.68	-12.07	-11.72	16.33	-3.17
		263	1090.90	-361.51	-1680.95	-426.27	-1616.19	285.05	31.11	-5.20	-4.21	30.12	5.90
		517	1372.80	363.78	-1657.23	322.74	-1616.19	285.05	16.27	-46.83	4.48	-35.04	24.60
		439	484.30	500.75	-133.71	322.74	44.30	285.05	1.74	-53.60	-3.02	-48.83	15.52
245	3	437	473.94	174.73	-558.57	-424.29	40.45	283.61	3.61	-12.13	-11.90	3.38	1.89
		263	1037.34	-359.53	-1666.22	-424.29	-1601.46	283.61	18.61	-12.99	-8.27	13.89	11.27
		517	1377.90	362.41	-1642.41	321.45	-1601.46	283.61	14.04	-53.89	2.09	-41.94	25.87
		439	493.54	497.45	-135.55	321.45	40.45	283.61	3.33	-57.32	-1.54	-52.44	16.49
245	4	437	472.40	174.99	-558.57	-424.43	40.85	283.56	24.31	-12.09	-11.05	23.27	-6.05
		263	1105.33	-359.71	-1666.73	-424.43	-1602.01	283.56	38.54	-1.78	-1.65	38.40	2.32
		517	1347.25	362.74	-1642.93	321.81	-1602.01	283.56	16.61	-40.43	5.45	-29.27	22.63
		439	472.45	497.78	-135.12	321.81	40.85	283.56	0.57	-48.93	-3.95	-44.41	14.26
245	5	437	475.74	176.07	-560.70	-426.00	41.38	284.78	25.23	-12.45	-11.40	24.17	-6.21
		263	1113.00	-361.02	-1673.99	-426.00	-1609.01	284.78	39.84	-1.99	-1.85	39.70	2.44

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		517	1355.38	363.82	-1650.11	322.71	-1609.01	284.78	17.07	-41.54	5.54	-30.01	23.30
		439	476.40	499.67	-135.58	322.71	41.38	284.78	0.63	-50.18	-4.01	-45.54	14.64
245	6	437	488.36	181.48	-574.12	-436.41	43.77	291.69	26.09	-12.83	-11.76	25.02	-6.36
		263	1140.41	-369.82	-1714.11	-436.41	-1647.51	291.69	41.11	-2.21	-2.05	40.96	2.58
		517	1388.25	372.87	-1689.63	330.75	-1647.51	291.69	17.54	-42.71	5.62	-30.78	24.01
		439	488.03	512.34	-137.81	330.75	43.77	291.69	0.69	-51.50	-4.09	-46.72	15.06
245	7	437	473.90	175.09	-559.41	-424.99	40.67	284.00	24.57	-12.30	-11.29	23.55	-6.03
		263	1107.50	-360.14	-1668.69	-424.99	-1603.83	284.00	39.01	-2.06	-1.90	38.85	2.55
		517	1351.01	363.13	-1644.84	322.12	-1603.83	284.00	16.84	-41.35	5.44	-29.94	23.10
		439	474.96	498.35	-135.56	322.12	40.67	284.00	0.65	-49.83	-3.95	-45.24	14.52
245	8	437	369.28	135.42	-435.25	-329.68	29.85	221.58	1.73	-9.70	-9.36	1.39	1.94
		263	800.35	-278.72	-1293.05	-329.68	-1242.09	221.58	13.46	-11.20	-6.86	9.12	9.39
		517	1072.34	279.50	-1274.35	247.23	-1242.09	221.58	10.60	-43.18	1.50	-34.08	20.16
		439	385.36	385.34	-108.26	247.23	29.85	221.58	2.65	-45.45	-0.99	-41.81	12.71
245	9	437	393.70	155.68	-463.67	-354.21	46.22	236.25	17.04	-8.87	-8.12	16.29	-4.34
		263	917.65	-300.82	-1399.68	-354.21	-1346.29	236.25	27.97	-0.95	-0.85	27.87	1.70
		517	1120.16	303.68	-1380.12	269.86	-1346.29	236.25	12.87	-30.10	4.22	-21.45	17.23
		439	384.60	419.41	-103.34	269.86	46.22	236.25	0.67	-36.75	-3.05	-33.03	11.19
245	10	437	331.94	122.10	-392.14	-298.24	28.21	198.67	5.20	-8.29	-8.28	5.20	0.22
		263	739.79	-253.09	-1172.30	-298.24	-1127.15	198.67	15.56	-7.07	-4.89	13.38	6.67
		517	965.41	255.88	-1155.68	227.34	-1127.15	198.67	10.40	-36.08	1.92	-27.60	17.95
		439	344.69	349.99	-94.45	227.34	28.21	198.67	2.03	-39.29	-1.47	-35.78	11.51
245	11	437	340.44	125.86	-400.78	-304.98	30.05	203.16	17.95	-8.93	-8.20	17.22	-4.36
		263	797.06	-258.80	-1198.91	-304.98	-1152.73	203.16	28.54	-1.55	-1.44	28.43	1.85
		517	971.17	261.69	-1181.91	232.50	-1152.73	203.16	12.36	-29.88	3.88	-21.40	16.92
		439	341.65	358.26	-95.70	232.50	30.05	203.16	0.57	-36.06	-2.89	-32.60	10.71
246	1	440	1215.32	553.81	-1187.81	-934.31	300.31	614.20	127.54	-55.89	-46.29	117.94	-40.85
		320	2832.96	-805.41	-3860.98	-934.31	-3732.08	614.19	184.64	-3.01	-1.13	182.76	-18.66
		98	3034.34	817.13	-3815.01	734.21	-3732.09	614.19	149.17	-7.81	30.60	110.77	67.49
		376	1002.64	1168.65	-134.12	734.21	300.32	614.19	70.16	-38.78	-14.56	45.95	45.29
246	2	440	1199.97	537.65	-1161.33	-912.30	288.62	600.90	137.61	-57.68	-46.56	126.49	-45.26
		320	2812.78	-785.96	-3770.24	-912.30	-3643.90	600.89	197.71	-1.06	2.04	194.61	-24.63
		98	3021.43	796.09	-3725.22	714.77	-3643.90	600.89	164.62	-0.52	32.05	132.05	65.71
		376	987.68	1139.25	-135.86	714.77	288.62	600.90	84.12	-36.73	-16.54	63.92	45.08
246	3	440	1162.49	534.27	-1138.73	-896.49	292.02	588.72	125.36	-52.16	-42.01	115.22	-41.21
		320	2730.11	-773.49	-3714.35	-896.49	-3591.36	588.71	180.04	1.67	4.35	177.36	-21.70
		98	2924.77	784.83	-3670.56	705.63	-3591.36	588.72	141.96	-1.38	31.64	108.94	60.35
		376	987.68	1139.25	-135.86	714.77	288.62	600.90	84.12	-36.73	-16.54	63.92	45.08
246	4	440	1167.68	534.04	-1139.64	-897.27	291.67	588.98	116.81	-53.94	-45.76	108.62	-36.48
		320	2709.70	-774.16	-3715.06	-897.27	-3591.95	588.98	171.12	-6.29	-5.20	170.03	-13.88
		98	2900.20	785.94	-3671.19	706.71	-3591.95	588.98	139.73	-13.96	27.32	98.46	68.12
		376	969.98	1123.66	-125.28	706.71	291.67	588.98	63.91	-40.10	-13.24	37.05	45.52
246	5	440	1177.19	533.80	-1147.65	-902.59	288.74	593.30	123.20	-55.03	-45.97	114.14	-39.14
		320	2740.24	-778.16	-3731.57	-902.58	-3607.14	593.30	179.11	-4.30	-2.73	177.53	-16.92
		98	2930.84	789.42	-3687.21	709.35	-3607.14	593.30	145.74	-9.89	29.18	106.67	67.48
		376	974.60	1128.52	-130.43	709.35	288.74	593.30	68.19	-38.97	-14.06	43.28	45.27
246	6	440	1215.74	554.28	-1187.05	-933.93	301.17	613.75	129.02	-55.89	-46.03	119.16	-41.55
		320	2837.02	-805.21	-3860.35	-933.93	-3731.63	613.75	186.30	-2.46	-0.38	184.22	-19.71
		98	3041.51	817.10	-3814.44	734.29	-3731.63	613.75	150.73	-6.25	30.87	113.61	66.70
		376	1000.95	1168.57	-133.10	734.29	301.17	613.75	71.80	-38.02	-14.77	48.55	44.86
246	7	440	1168.44	533.15	-1144.51	-900.52	289.16	591.44	122.48	-53.33	-43.99	113.14	-39.43
		320	2729.48	-776.58	-3722.84	-900.52	-3598.90	591.44	177.21	-2.42	-0.49	175.28	-18.52
		98	2928.65	788.40	-3678.63	708.67	-3598.90	591.44	143.40	-6.56	29.40	107.44	64.03
		376	963.94	1126.45	-128.62	708.67	289.16	591.44	67.96	-36.76	-14.11	45.30	43.12
246	8	440	898.90	414.93	-880.38	-693.22	227.77	455.41	96.83	-40.03	-32.15	88.95	-31.88
		320	2110.20	-598.05	-2872.52	-693.22	-2777.35	455.41	138.84	1.62	3.75	136.71	-16.97
		98	2261.17	606.60	-2838.64	545.31	-2777.36	455.41	109.05	-0.55	24.55	83.94	46.06
		376	733.81	868.84	-95.75	545.31	227.77	455.41	51.59	-26.76	-11.35	36.18	31.14
246	9	440	850.55	386.09	-831.84	-654.26	208.51	429.82	89.65	-39.30	-32.53	82.88	-28.76
		320	1985.69	-564.14	-2704.24	-654.26	-2614.12	429.82	129.88	-2.05	-0.71	128.54	-13.22
		98	2126.73	572.63	-2672.10	514.66	-2614.12	429.82	105.11	-5.44	21.52	78.16	47.47
		376	702.69	817.85	-94.67	514.66	208.52	429.82	49.53	-27.34	-10.31	32.49	31.93
246	10	440	821.19	375.23	-804.57	-633.25	203.91	415.66	88.43	-37.22	-30.15	81.36	-28.96
		320	1928.54	-546.41	-2622.78	-633.25	-2535.94	415.66	127.32	0.56	2.34	125.54	-14.91
		98	2065.84	554.69	-2591.85	498.78	-2535.94	415.66	101.10	-1.86	22.09	77.15	43.50
		376	673.98	792.39	-89.69	498.78	203.91	415.66	47.86	-25.29	-10.40	32.97	29.45
246	11	440	850.78	386.36	-831.42	-654.05	208.99	429.57	90.47	-39.30	-32.38	83.55	-29.15
		320	1987.94	-564.03	-2703.89	-654.05	-2613.87	429.57	130.81	-1.74	-0.29	129.35	-13.80
		98	2130.72	572.61	-2671.78	514.70	-2613.87	429.57	105.98	-4.57	21.67	79.74	47.03
		376	701.75	817.80	-94.11	514.70	208.99	429.57	50.44	-26.92	-10.42	33.94	31.69
247	1	438	1210.04	946.92	-1069.64	-1003.09	880.36	360.26	14.12	-43.99	2.87	-32.75	22.96
		272	1721.28	-927.43	-2718.56	-1003.09	-2642.90	360.26	5.59	-49.00	0.89	-44.30	15.32

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		318	2075.01	620.72	-2682.67	580.95	-2642.90	360.26	0.94	-20.42	-2.33	-17.15	7.68
		400	701.68	1120.79	340.53	580.95	880.36	360.26	12.57	-18.51	-0.34	-5.60	15.32
247	2	438	1172.01	914.98	-1036.75	-972.33	850.57	348.67	13.94	-43.34	2.84	-32.24	22.64
		272	1667.70	-899.01	-2630.33	-972.33	-2557.00	348.67	5.45	-48.40	0.81	-43.76	15.12
		318	2009.68	603.87	-2595.47	565.41	-2557.00	348.67	0.84	-20.07	-2.34	-16.90	7.51
		400	679.59	1084.69	331.29	565.41	850.57	348.67	12.39	-18.08	-0.30	-5.38	15.02
247	3	438	1161.37	907.34	-1023.22	-959.83	843.96	344.01	14.54	-44.37	3.11	-32.94	23.29
		272	1657.87	-887.90	-2605.14	-959.83	-2533.21	344.01	5.39	-50.17	0.81	-45.59	15.28
		318	1990.43	596.69	-2571.02	558.88	-2533.21	344.01	0.18	-19.98	-2.57	-17.23	6.92
		400	673.74	1073.79	329.04	558.88	843.96	344.01	12.66	-17.52	-0.27	-4.58	14.93
247	4	438	1196.93	908.70	-1018.17	-955.66	846.19	341.37	27.93	-58.43	13.21	-43.71	32.48
		272	1723.07	-884.90	-2602.44	-955.66	-2531.68	341.37	16.60	-75.27	16.36	-75.03	4.74
		318	1956.08	598.25	-2568.91	561.02	-2531.68	341.37	12.79	-22.23	0.65	-10.09	-14.67
		400	700.37	1073.56	333.65	561.02	846.19	341.37	25.59	-6.86	-2.50	21.23	11.07
247	5	438	1192.82	900.68	-1021.76	-958.94	837.87	341.78	27.39	-58.87	12.46	-43.93	32.64
		272	1713.51	-887.22	-2587.67	-958.94	-2515.95	341.78	15.33	-75.23	14.88	-74.78	6.37
		318	1952.85	603.42	-2553.40	565.97	-2515.95	341.78	10.10	-21.53	0.21	-11.64	-14.66
		400	695.87	1069.74	334.10	565.97	837.87	341.78	24.29	-7.30	-2.22	19.21	11.60
247	6	438	1470.15	1108.96	-1290.98	-1209.38	1027.36	434.95	28.24	-61.69	13.00	-46.45	33.74
		272	2073.60	-1114.41	-3201.37	-1209.38	-3106.40	434.95	17.71	-76.38	17.32	-75.99	6.04
		318	2410.84	746.47	-3155.50	697.37	-3106.40	434.95	10.77	-20.59	1.60	-11.42	-14.27
		400	854.36	1327.56	397.17	697.37	1027.36	434.95	24.71	-9.30	-2.72	18.13	13.43
247	7	438	1163.93	909.18	-1025.46	-961.88	845.59	344.92	14.61	-44.17	3.27	-32.84	23.19
		272	1660.43	-889.72	-2610.71	-961.88	-2538.55	344.92	5.56	-49.77	1.24	-45.45	14.85
		318	1993.05	597.30	-2576.49	559.36	-2538.55	344.92	0.10	-19.30	-2.39	-16.80	6.50
		400	675.32	1075.91	329.04	559.36	845.59	344.92	12.68	-17.23	-0.36	-4.19	14.84
247	8	438	898.58	703.51	-790.83	-741.90	654.58	265.93	11.20	-33.99	2.42	-25.21	17.87
		272	1281.97	-686.40	-2016.02	-741.90	-1960.51	265.93	4.03	-38.44	0.50	-34.91	11.72
		318	1539.27	461.41	-1989.71	432.21	-1960.51	265.93	0.08	-15.20	-2.09	-13.04	5.33
		400	521.72	831.63	255.15	432.21	654.58	265.93	9.84	-13.34	-0.16	-3.34	11.48
247	9	438	846.42	661.07	-748.04	-701.55	614.58	251.69	10.11	-31.44	2.07	-23.40	16.41
		272	1205.81	-648.73	-1901.01	-701.55	-1848.20	251.69	4.03	-35.09	0.72	-31.78	10.89
		318	1452.17	435.03	-1875.94	407.29	-1848.20	251.69	0.59	-14.51	-1.62	-12.30	5.34
		400	490.68	783.13	238.74	407.29	614.58	251.69	8.92	-13.10	-0.26	-3.92	10.86
247	10	438	819.39	639.08	-722.24	-677.52	594.36	242.66	10.34	-31.64	2.21	-23.51	16.59
		272	1170.58	-626.78	-1838.00	-677.52	-1787.26	242.66	3.92	-35.74	0.67	-32.50	10.87
		318	1405.19	421.68	-1813.91	395.02	-1787.26	242.66	0.18	-14.27	-1.76	-12.34	4.92
		400	475.15	757.02	232.36	395.02	594.36	242.66	8.97	-12.55	-0.23	-3.35	10.65
247	11	438	990.92	751.09	-871.00	-816.15	696.25	293.18	17.95	-41.26	7.70	-31.01	22.40
		272	1401.43	-752.63	-2169.22	-816.15	-2105.70	293.18	10.39	-49.94	9.84	-49.39	5.73
		318	1638.59	504.89	-2138.62	471.96	-2105.70	293.18	4.11	-12.66	0.56	-9.11	-6.85
		400	575.28	898.00	270.21	471.96	696.25	293.18	15.05	-7.37	-1.59	9.27	9.81
248	1	449	785.55	165.57	-691.96	136.24	-662.63	155.83	35.26	-89.26	5.91	-59.90	52.85
		450	1091.15	153.75	-1251.18	136.24	-1233.67	155.83	25.30	-81.33	-0.33	-55.69	45.57
		452	1213.90	-317.50	-1260.18	-344.01	-1233.67	155.83	-5.41	-179.15	-21.13	-163.43	49.84
		82	905.61	-280.46	-726.18	-344.01	-662.63	155.83	4.11	-186.64	-14.89	-167.64	57.12
248	2	449	676.25	137.08	-583.48	114.10	-560.50	126.61	27.86	-81.69	3.74	-57.56	45.40
		450	957.70	127.40	-1091.75	114.10	-1078.45	126.61	20.10	-74.67	-1.36	-53.21	39.67
		452	1086.13	-296.96	-1098.97	-317.47	-1078.45	126.61	-6.93	-168.95	-19.89	-155.99	43.95
		82	803.10	-263.50	-614.47	-317.47	-560.50	126.61	0.55	-175.68	-14.79	-160.35	49.68
248	3	449	665.87	148.36	-516.39	112.43	-480.46	150.31	29.74	-86.38	6.66	-63.30	46.34
		450	935.80	132.22	-1029.00	112.43	-1009.21	150.31	20.32	-75.32	2.44	-57.44	37.28
		452	1068.70	-293.48	-1040.77	-325.04	-1009.21	150.31	-8.34	-175.57	-20.10	-163.81	42.76
		82	796.59	-233.54	-571.96	-325.04	-480.46	150.31	-0.06	-185.50	-15.88	-169.67	51.82
248	4	449	443.13	140.98	-518.70	104.74	-482.46	150.30	35.80	-35.30	-18.02	18.52	30.50
		450	765.63	124.92	-1014.61	104.74	-994.43	150.30	41.00	-64.81	-28.09	4.28	50.36
		452	789.25	-285.27	-1026.28	-317.12	-994.43	150.30	11.82	-74.58	-13.10	-49.65	39.14
		82	446.02	-228.26	-571.33	-317.12	-482.46	150.30	5.95	-44.40	-3.03	-35.42	19.28
248	5	449	440.95	142.77	-527.93	106.97	-492.12	150.78	35.24	-36.43	-16.65	15.46	32.03
		450	780.31	127.04	-1025.69	106.97	-1005.62	150.78	40.02	-64.86	-26.67	1.83	50.47
		452	807.93	-285.59	-1037.20	-317.16	-1005.62	150.78	10.73	-78.73	-13.51	-54.49	39.76
		82	466.44	-230.33	-578.96	-317.16	-492.12	150.78	6.18	-50.53	-3.49	-40.85	21.33
248	6	449	461.47	152.21	-528.89	109.77	-486.45	164.65	35.43	-37.72	-15.55	13.26	33.62
		450	803.01	133.31	-1041.76	109.77	-1018.22	164.65	39.80	-65.22	-25.52	0.10	50.92
		452	831.07	-289.95	-1055.45	-327.18	-1018.22	164.65	10.27	-82.31	-13.82	-58.21	40.62
		82	486.71	-223.91	-589.71	-327.18	-486.45	164.65	6.66	-55.57	-3.85	-45.06	23.32
248	7	449	440.76	146.20	-513.71	106.97	-474.48	156.04	34.82	-36.43	-16.00	14.40	32.22
		450	776.22	128.73	-1011.87	106.97	-990.10	156.04	39.32	-64.18	-25.88	1.02	49.97
		452	804.43	-284.30	-1024.60	-318.80	-990.10	156.04	10.05	-79.59	-13.55	-56.00	39.48
		82	466.28	-222.26	-571.02	-318.80	-474.48	156.04	6.03	-52.32	-3.67	-42.63	21.72
248	8	449	534.45	119.64	-389.57	91.52	-361.45	116.32	23.48	-74.29	6.72	-57.53	36.85
		450	744.79	106.73	-798.17	91.52	-782.96	116.32	15.37	-62.70	3.96	-51.29	27.58

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		452	866.96	-231.55	-807.50	-256.09	-782.96	116.32	-8.88	-151.55	-17.10	-143.33	33.24
		82	654.74	-181.07	-436.46	-256.09	-361.45	116.32	-2.09	-161.83	-14.35	-149.57	42.51
248	9	449	502.56	111.52	-470.87	90.48	-449.84	108.67	23.30	-52.18	0.86	-29.74	34.50
		450	720.77	103.02	-851.64	90.48	-839.11	108.67	18.75	-52.63	-4.23	-29.65	33.35
		452	788.75	-218.63	-858.14	-237.66	-839.11	108.67	-1.16	-107.73	-13.37	-95.52	33.95
		82	568.30	-191.88	-495.62	-237.66	-449.84	108.67	4.07	-107.96	-8.28	-95.60	35.09
248	10	449	436.72	102.00	-373.38	77.25	-348.63	105.60	19.81	-50.16	1.28	-31.62	30.88
		450	634.72	91.09	-728.25	77.25	-714.40	105.60	15.31	-48.62	-2.69	-30.62	28.75
		452	708.35	-205.22	-736.30	-227.12	-714.40	105.60	-3.07	-105.46	-12.80	-95.73	30.02
		82	508.33	-166.04	-409.71	-227.12	-348.63	105.60	1.67	-107.23	-8.83	-96.73	32.15
248	11	449	324.27	104.06	-380.24	75.77	-351.95	113.57	26.15	-26.30	-11.06	10.91	23.81
		450	562.91	91.67	-735.31	75.77	-719.41	113.57	29.18	-46.05	-18.22	1.34	36.32
		452	577.40	-203.32	-744.40	-228.31	-719.41	113.57	8.81	-55.18	-9.31	-37.06	28.83
		82	337.33	-160.82	-419.44	-228.31	-351.95	113.57	5.84	-35.49	-2.15	-27.50	16.31
249	1	451	954.13	913.57	-511.00	236.24	166.34	711.43	23.93	-46.33	13.79	-36.19	24.69
		23	1981.09	416.57	-2570.49	236.24	-2390.16	711.43	15.37	-35.43	15.04	-35.09	4.10
		453	1924.16	554.11	-2562.07	382.20	-2390.16	711.43	6.95	-5.04	-2.47	4.38	4.92
		450	962.95	993.84	-445.30	382.20	166.34	711.43	25.53	-25.96	-3.72	3.29	25.51
249	2	451	834.15	782.86	-446.85	217.00	119.01	612.90	21.36	-44.62	12.14	-35.40	22.88
		23	1704.46	373.90	-2177.20	217.00	-2020.30	612.90	13.61	-37.02	13.36	-36.76	3.56
		453	1643.84	495.48	-2169.62	346.16	-2020.30	612.90	3.93	-3.49	-2.72	3.16	2.26
		450	829.81	855.92	-390.75	346.16	119.01	612.90	22.28	-21.69	-3.93	4.52	21.57
249	3	451	818.14	758.09	-454.10	208.97	95.03	603.41	21.62	-45.14	14.20	-37.72	20.99
		23	1663.77	365.60	-2115.56	208.97	-1958.92	603.41	13.24	-40.06	13.19	-40.02	1.56
		453	1605.49	511.79	-2106.29	364.42	-1958.92	603.41	-0.82	-3.14	-3.10	-0.86	-0.31
		450	813.14	847.98	-388.54	364.42	95.03	603.41	18.87	-19.52	-2.09	1.44	19.12
249	4	451	883.44	748.79	-452.08	198.42	98.30	598.34	37.29	-43.01	1.52	-7.24	39.91
		23	1629.42	352.90	-2119.05	198.42	-1964.56	598.34	29.68	-20.10	16.26	-6.67	22.09
		453	1648.22	502.05	-2109.71	356.91	-1964.56	598.34	46.96	-7.67	2.26	37.04	21.06
		450	890.40	839.76	-384.56	356.91	98.30	598.34	57.93	-33.95	-12.48	36.47	38.88
249	5	451	885.95	756.19	-454.16	199.86	102.17	603.20	36.61	-42.39	2.20	-7.98	39.17
		23	1643.02	355.38	-2139.72	199.86	-1984.21	603.20	28.99	-19.63	16.29	-6.93	21.36
		453	1659.67	503.54	-2130.46	357.28	-1984.21	603.20	45.61	-7.80	2.16	35.65	20.80
		450	894.77	846.26	-386.81	357.28	102.17	603.20	56.42	-33.75	-11.94	34.61	38.62
249	6	451	908.37	777.89	-472.37	201.35	104.16	623.24	36.49	-42.33	2.97	-8.81	38.97
		23	1693.91	362.33	-2211.52	201.35	-2050.54	623.24	28.62	-19.61	16.53	-7.53	20.90
		453	1713.12	523.64	-2201.43	372.75	-2050.54	623.24	44.76	-7.86	2.09	34.81	20.60
		450	919.23	876.00	-399.09	372.75	104.16	623.24	55.77	-33.71	-11.47	33.53	38.67
249	7	451	882.20	750.50	-455.37	198.38	96.75	600.79	36.36	-42.28	2.72	-8.63	38.91
		23	1633.71	353.79	-2124.19	198.38	-1968.78	600.79	28.38	-20.04	16.30	-7.96	20.95
		453	1649.96	506.97	-2114.57	361.17	-1968.78	600.79	44.41	-7.52	2.04	34.85	20.13
		450	889.87	844.12	-386.20	361.17	96.75	600.79	55.73	-33.10	-11.54	34.18	38.08
249	8	451	632.92	592.83	-352.44	167.50	72.89	470.26	16.50	-36.23	11.99	-31.72	14.75
		23	1293.35	290.10	-1636.39	167.50	-1513.80	470.26	9.90	-33.89	9.90	-33.89	-0.40
		453	1244.25	402.61	-1629.19	287.22	-1513.80	470.26	-1.49	-5.84	-2.93	-4.39	-2.05
		450	627.54	662.37	-302.26	287.22	72.89	470.26	11.59	-14.66	-0.84	-2.23	13.10
249	9	451	662.08	618.10	-351.66	160.09	106.34	484.13	18.04	-31.32	8.00	-21.28	19.87
		23	1344.38	283.04	-1746.27	160.09	-1623.32	484.13	11.92	-21.42	10.94	-20.44	5.63
		453	1315.96	381.22	-1740.25	264.29	-1623.32	484.13	11.37	-3.94	-0.98	8.41	6.05
		450	668.39	675.85	-305.22	264.29	106.34	484.13	22.91	-19.27	-3.92	7.57	20.29
249	10	451	585.84	531.76	-320.09	144.94	66.73	424.12	16.45	-30.35	8.22	-22.12	17.82
		23	1168.10	254.73	-1493.53	144.94	-1383.75	424.12	10.45	-23.70	9.92	-23.17	4.22
		453	1138.55	357.70	-1487.04	254.41	-1383.75	424.12	6.72	-2.56	-1.33	5.49	3.15
		450	584.36	594.95	-273.81	254.41	66.73	424.12	19.17	-15.65	-3.02	6.54	16.74
249	11	451	636.94	542.76	-330.25	140.71	71.80	435.14	26.06	-30.13	1.99	-6.06	27.80
		23	1185.29	252.91	-1546.85	140.71	-1434.64	435.14	20.51	-13.86	11.77	-5.12	14.97
		453	1199.15	364.29	-1539.90	259.04	-1434.64	435.14	32.38	-5.52	1.55	25.31	14.77
		450	644.43	610.52	-279.68	259.04	71.80	435.14	40.13	-23.99	-8.23	24.37	27.60
250	1	450	1187.13	426.52	-1263.57	380.03	-1217.08	276.42	-33.50	-89.01	-37.40	-85.11	14.19
		453	917.98	431.84	-1094.77	380.03	-1042.96	276.42	35.70	10.19	22.84	23.05	12.76
		81	1057.60	-218.64	-1135.65	-311.33	-1042.96	276.42	93.13	-111.86	14.53	-33.26	99.67
		452	1321.97	-233.64	-1294.78	-311.33	-1217.08	276.42	18.30	-205.43	-45.71	-141.41	101.11
250	2	450	1056.85	387.21	-1107.19	342.60	-1062.58	254.31	-31.66	-83.26	-34.63	-80.30	12.01
		453	814.90	392.71	-948.16	342.60	-898.06	254.31	29.28	5.93	19.33	15.88	11.55
		81	951.50	-190.06	-989.40	-281.40	-898.06	254.31	78.90	-106.03	12.21	-39.34	88.80
		452	1188.40	-205.91	-1138.07	-281.40	-1062.58	254.31	12.19	-189.46	-41.75	-135.51	89.26
250	3	450	1043.91	420.17	-1046.76	364.85	-991.44	279.45	-31.15	-87.57	-33.44	-85.28	11.13
		453	833.55	425.36	-925.72	364.85	-865.21	279.45	24.85	1.86	18.88	7.82	10.08
		81	962.58	-169.24	-977.42	-281.44	-865.21	279.45	70.65	-109.55	10.84	-49.74	84.85
		452	1175.30	-184.65	-1088.24	-281.44	-991.44	279.45	7.58	-191.90	-41.48	-142.85	85.90
250	4	450	870.20	409.87	-1028.81	357.83	-976.77	268.63	5.53	-41.16	-27.58	-8.05	21.21
		453	901.00	413.86	-930.09	357.83	-874.06	268.63	78.18	5.84	15.76	68.25	24.89

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		81	828.47	-172.94	-976.99	-275.86	-874.06	268.63	113.46	-60.10	16.03	37.34	86.12
		452	958.98	-184.75	-1067.88	-275.86	-976.77	268.63	49.51	-115.79	-27.31	-38.97	82.44
250	5	450	882.99	409.40	-1039.56	357.99	-988.14	268.05	3.14	-42.17	-27.88	-11.16	21.06
		453	901.76	413.45	-937.56	357.99	-882.10	268.05	76.63	6.47	16.34	66.76	24.39
		81	837.46	-175.25	-983.75	-276.90	-882.10	268.05	112.70	-62.12	16.07	34.51	86.92
		452	974.71	-187.19	-1077.85	-276.90	-988.14	268.05	48.16	-119.71	-28.15	-43.40	83.59
250	6	450	909.44	430.95	-1055.47	375.22	-999.74	282.36	1.53	-43.30	-28.18	-13.58	21.19
		453	924.95	434.72	-964.86	375.22	-905.36	282.36	75.90	6.97	16.89	65.98	24.20
		81	865.39	-175.45	-1014.59	-284.67	-905.36	282.36	112.99	-63.92	16.17	32.90	88.06
		452	1001.25	-186.62	-1097.79	-284.67	-999.74	282.36	47.73	-123.30	-28.91	-46.66	85.05
250	7	450	881.00	416.67	-1026.18	362.73	-972.24	273.72	2.43	-42.17	-27.60	-12.13	20.91
		453	895.95	420.61	-931.69	362.73	-873.81	273.72	74.86	6.24	16.15	64.95	24.12
		81	839.42	-170.29	-980.30	-276.79	-873.81	273.72	110.38	-62.39	15.70	32.29	85.98
		452	972.19	-181.98	-1067.04	-276.79	-972.24	273.72	46.78	-119.63	-28.06	-44.79	82.78
250	8	450	831.32	333.05	-814.09	287.98	-769.03	222.85	-25.46	-75.41	-26.66	-74.20	7.67
		453	659.66	337.80	-708.94	287.98	-659.13	222.85	17.04	-3.83	14.61	-1.40	6.69
		81	769.35	-127.03	-752.46	-220.37	-659.13	222.85	48.84	-94.83	7.33	-53.32	65.12
		452	944.54	-141.26	-848.14	-220.37	-769.03	222.85	0.54	-160.62	-33.95	-126.12	66.10
250	9	450	788.38	295.23	-860.00	262.60	-827.37	191.39	-20.38	-52.53	-24.98	-47.93	11.26
		453	645.17	298.63	-753.89	262.60	-717.86	191.39	31.81	8.15	15.36	24.61	10.89
		81	707.72	-149.73	-782.33	-214.21	-717.86	191.39	70.80	-69.02	10.91	-9.13	69.19
		452	874.46	-159.37	-882.21	-214.21	-827.37	191.39	18.76	-129.84	-29.42	-81.66	69.56
250	10	450	709.40	291.68	-739.53	254.16	-702.02	193.08	-19.56	-51.23	-22.77	-48.02	9.55
		453	570.13	294.95	-659.89	254.16	-619.11	193.08	24.17	5.13	13.16	16.15	9.40
		81	655.19	-122.53	-694.18	-197.60	-619.11	193.08	57.73	-67.16	8.86	-18.29	60.95
		452	793.55	-132.18	-767.43	-197.60	-702.02	193.08	12.32	-121.85	-27.07	-82.46	61.11
250	11	450	635.34	297.67	-744.37	259.92	-706.63	194.69	2.21	-30.25	-19.86	-8.19	15.15
		453	655.48	300.18	-681.67	259.92	-641.41	194.69	55.33	5.18	12.05	48.46	17.24
		81	603.69	-125.87	-714.94	-199.40	-641.41	194.69	82.95	-43.51	11.82	27.63	62.73
		452	698.72	-133.28	-772.74	-199.40	-706.63	194.69	36.25	-85.35	-20.09	-29.02	60.64
251	1	454	678.33	303.27	-580.61	293.73	-571.08	-91.31	61.40	-107.68	-0.83	-45.45	81.55
		455	887.59	301.38	-797.31	293.73	-789.67	-91.31	31.33	-150.20	-27.00	-91.87	84.77
		457	904.98	-290.65	-806.38	-307.36	-789.67	-91.31	-20.13	-194.79	-34.18	-180.74	47.50
		93	663.18	-278.83	-599.61	-307.36	-571.08	-91.31	5.96	-148.29	-8.01	-134.32	44.27
251	2	454	647.38	281.24	-592.44	262.04	-573.23	-128.11	54.16	-100.14	1.77	-47.75	73.07
		455	808.90	278.33	-745.29	262.04	-729.00	-128.11	25.34	-135.39	-21.76	-88.29	73.16
		457	860.06	-226.44	-761.66	-259.10	-729.00	-128.11	-21.71	-187.95	-32.34	-177.31	40.68
		93	671.82	-213.48	-618.86	-259.10	-573.23	-128.11	2.97	-148.56	-8.82	-136.77	40.59
251	3	454	651.22	312.86	-553.33	287.79	-528.25	-145.23	60.91	-105.88	0.28	-45.24	80.23
		455	777.44	309.60	-679.01	287.79	-657.19	-145.23	29.82	-143.81	-23.95	-90.03	80.28
		457	813.90	-224.50	-705.94	-273.24	-657.19	-145.23	-22.06	-191.21	-34.54	-178.73	44.21
		93	632.24	-207.49	-594.01	-273.24	-528.25	-145.23	3.85	-148.09	-10.31	-133.94	44.16
251	4	454	558.63	304.00	-554.46	279.92	-530.39	-141.73	-4.25	-26.96	-7.15	-24.07	-7.58
		455	607.99	301.04	-671.38	279.92	-650.26	-141.73	-14.47	-26.19	-15.08	-25.59	2.59
		457	607.97	-220.26	-696.98	-266.98	-650.26	-141.73	-11.33	-86.48	-11.39	-86.43	2.10
		93	550.67	-205.20	-592.16	-266.98	-530.39	-141.73	-2.67	-85.70	-3.46	-84.90	-8.07
251	5	454	546.58	303.04	-549.73	281.00	-527.70	-135.30	-6.66	-24.06	-7.15	-23.57	-2.87
		455	608.25	300.19	-673.35	281.00	-654.17	-135.30	-12.64	-31.23	-16.08	-27.78	7.22
		457	612.08	-226.55	-696.98	-269.36	-654.17	-135.30	-12.30	-89.56	-12.57	-89.29	4.51
		93	542.47	-211.47	-585.59	-269.36	-527.70	-135.30	-3.25	-85.46	-3.63	-85.08	-5.57
251	6	454	542.89	319.68	-543.28	297.13	-520.72	-137.68	-7.59	-22.91	-7.63	-22.87	0.85
		455	610.06	316.78	-667.63	297.13	-647.99	-137.68	-10.56	-36.05	-17.32	-29.28	11.26
		457	608.63	-237.01	-694.11	-283.14	-647.99	-137.68	-12.91	-91.59	-13.49	-91.01	6.73
		93	533.50	-220.08	-583.78	-283.14	-520.72	-137.68	-3.63	-84.76	-3.80	-84.59	-3.68
251	7	454	539.39	309.75	-539.48	286.38	-516.10	-138.94	-7.37	-23.13	-7.56	-22.94	-1.73
		455	599.33	306.81	-658.33	286.38	-637.90	-138.94	-12.03	-32.63	-16.66	-28.00	8.60
		457	601.52	-226.10	-684.78	-272.98	-637.90	-138.94	-12.50	-89.58	-12.85	-89.23	5.18
		93	533.72	-209.93	-579.15	-272.98	-516.10	-138.94	-3.42	-84.50	-3.75	-84.17	-5.15
251	8	454	528.22	250.92	-420.33	229.55	-398.96	-117.84	52.12	-90.71	0.47	-39.06	68.62
		455	625.10	247.95	-525.23	229.55	-506.83	-117.84	25.69	-121.55	-19.26	-76.59	67.81
		457	664.76	-173.71	-548.52	-215.40	-506.83	-117.84	-18.84	-163.61	-29.32	-153.12	37.52
		93	512.71	-157.82	-456.55	-215.40	-398.96	-117.84	2.82	-128.00	-9.59	-115.59	38.33
251	9	454	442.79	209.93	-411.47	202.14	-403.67	-69.17	32.29	-61.41	-1.42	-27.70	44.97
		455	573.51	208.52	-547.54	202.14	-541.16	-69.17	15.79	-87.79	-17.54	-54.46	48.39
		457	584.98	-196.17	-555.02	-210.04	-541.16	-69.17	-13.09	-118.10	-20.58	-110.62	27.02
		93	438.04	-187.87	-425.84	-210.04	-403.67	-69.17	2.02	-90.35	-4.46	-83.86	23.59
251	10	454	419.82	215.34	-396.39	198.83	-379.88	-99.12	32.03	-60.41	-0.80	-27.59	44.24
		455	514.76	213.26	-481.99	198.83	-467.56	-99.12	14.96	-84.24	-15.84	-53.44	45.90
		457	536.21	-159.22	-499.42	-191.08	-467.56	-99.12	-14.12	-116.15	-20.78	-109.50	25.19
		93	423.46	-148.60	-422.36	-191.08	-379.88	-99.12	0.82	-90.21	-5.73	-83.65	23.53
251	11	454	383.34	219.17	-390.85	204.02	-375.70	-94.93	-5.19	-15.16	-5.19	-15.16	0.14
		455	428.79	217.28	-475.70	204.02	-462.44	-94.93	-7.49	-24.36	-12.16	-19.69	7.55

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		457	424.61	-166.16	-492.86	-196.58	-462.44	-94.93	-8.72	-61.13	-9.08	-60.77	4.37
		93	373.62	-155.63	-416.65	-196.58	-375.70	-94.93	-1.95	-56.41	-2.12	-56.24	-3.05
252	1	456	1071.98	1151.52	103.65	1087.62	167.54	250.75	111.78	-101.66	19.50	-9.38	105.74
		35	1744.60	1113.26	-1364.69	1087.62	-1339.05	250.75	99.17	-82.72	55.24	-38.78	77.85
		449	1331.74	325.23	-1376.83	287.45	-1339.05	250.75	41.99	-93.08	21.10	-72.19	48.84
		455	662.01	485.31	-30.32	287.45	167.54	250.75	49.29	-106.71	-14.64	-42.79	76.72
252	2	456	916.03	1032.92	112.95	995.28	150.59	182.25	93.25	-85.87	17.06	-9.68	88.56
		35	1469.41	1011.23	-1087.15	995.28	-1071.20	182.25	82.83	-69.72	46.57	-33.46	64.94
		449	1076.06	243.92	-1096.46	218.66	-1071.20	182.25	34.41	-82.57	17.23	-65.39	41.41
		455	524.39	370.02	-0.77	218.66	150.59	182.25	39.71	-93.61	-12.29	-41.62	65.03
252	3	456	983.24	1097.97	99.77	1080.38	117.36	131.34	111.42	-97.18	23.34	-9.09	103.03
		35	1429.73	1089.30	-853.85	1080.38	-844.93	131.34	97.61	-79.38	58.28	-40.04	73.59
		449	955.11	247.16	-860.72	231.37	-844.93	131.34	38.93	-90.91	22.35	-74.33	43.32
		455	508.33	317.55	31.19	231.37	117.36	131.34	46.39	-102.36	-12.58	-43.39	72.77
252	4	456	838.87	1073.39	98.85	1055.25	116.99	131.71	16.57	-63.76	-43.09	-4.10	-35.11
		35	1317.35	1064.35	-851.81	1055.25	-842.71	131.71	30.63	-58.93	-58.10	29.80	-8.59
		449	801.15	240.77	-858.72	224.76	-842.71	131.71	44.46	-35.22	-28.49	37.73	22.16
		455	237.06	313.18	28.57	224.76	116.99	131.71	4.87	-14.53	-13.49	3.83	-4.37
252	5	456	820.16	1074.05	98.04	1053.66	118.43	139.57	10.72	-54.76	-39.97	-4.07	-27.37
		35	1309.03	1063.73	-881.13	1053.66	-871.07	139.57	26.71	-52.48	-52.31	26.54	-3.70
		449	804.82	247.54	-888.48	230.13	-871.07	139.57	41.38	-34.48	-25.98	32.88	23.93
		455	230.41	324.61	23.95	230.13	118.43	139.57	2.28	-13.64	-13.64	2.27	0.26
252	6	456	836.98	1124.41	95.41	1106.44	113.37	134.77	5.77	-47.43	-37.70	-3.96	-20.57
		35	1308.25	1115.69	-858.38	1106.44	-849.13	134.77	23.84	-47.63	-47.62	23.83	0.78
		449	783.44	261.85	-865.48	245.50	-849.13	134.77	39.52	-34.37	-23.93	29.08	25.74
		455	222.32	329.53	29.34	245.50	113.37	134.77	2.46	-15.18	-14.00	1.29	4.39
252	7	456	822.16	1089.25	93.75	1072.36	110.64	128.56	8.61	-51.30	-38.78	-3.91	-24.36
		35	1281.71	1081.05	-830.07	1072.36	-821.38	128.56	25.20	-49.95	-49.91	25.15	-1.84
		449	766.97	249.02	-836.82	233.58	-821.38	128.56	40.22	-33.97	-24.87	31.12	24.34
		455	219.41	314.61	29.61	233.58	110.64	128.56	2.27	-13.95	-13.74	2.06	1.82
252	8	456	811.11	869.17	78.59	856.61	91.15	98.87	99.25	-83.58	23.22	-7.55	90.11
		35	1152.42	863.10	-649.54	856.61	-643.05	98.87	86.34	-68.82	53.96	-36.45	63.05
		449	764.71	195.89	-654.71	184.24	-643.05	98.87	33.33	-78.97	21.09	-66.74	34.99
		455	418.96	246.98	28.42	184.24	91.15	98.87	39.88	-87.37	-9.65	-37.84	62.05
252	9	456	656.74	792.69	71.70	754.48	109.91	161.52	54.22	-55.46	4.54	-5.78	54.60
		35	1106.08	770.28	-897.14	754.48	-881.34	161.52	49.82	-44.61	22.56	-17.36	42.79
		449	833.25	215.99	-905.12	192.22	-881.34	161.52	24.05	-51.00	7.73	-34.68	30.96
		455	395.71	317.74	-15.62	192.22	109.91	161.52	26.55	-59.94	-10.29	-23.10	42.77
252	10	456	612.84	763.75	68.74	750.46	82.03	95.18	53.97	-52.92	6.68	-5.62	53.09
		35	931.60	757.10	-613.47	750.46	-606.83	95.18	48.72	-42.53	24.25	-18.06	40.42
		449	623.71	172.68	-618.45	161.06	-606.83	95.18	21.90	-49.34	8.42	-35.87	27.90
		455	309.80	224.61	18.49	161.06	82.03	95.18	24.90	-57.49	-9.15	-23.44	40.57
252	11	456	584.49	778.43	66.32	764.93	79.81	97.09	4.80	-34.80	-27.23	-2.77	-15.57
		35	923.35	771.76	-615.99	764.93	-609.17	97.09	17.43	-34.58	-34.58	17.43	-0.03
		449	560.87	180.84	-621.10	168.91	-609.17	97.09	28.73	-24.43	-17.29	21.58	18.13
		455	157.96	231.19	17.54	168.91	79.81	97.09	1.95	-10.50	-9.94	1.39	2.59
253	1	455	894.85	271.04	-793.79	270.83	-793.58	-14.83	29.17	-122.46	-7.67	-85.62	65.03
		449	772.50	271.07	-655.14	270.83	-654.90	-14.83	40.28	-94.42	9.97	-64.10	56.25
		82	836.34	-348.95	-655.62	-349.67	-654.90	-14.83	18.14	-191.99	-11.33	-162.52	72.96
		457	974.56	-349.17	-794.08	-349.67	-793.58	-14.83	6.17	-219.17	-28.96	-184.04	81.74
253	2	455	795.91	199.81	-739.17	196.45	-735.81	-56.07	20.13	-112.48	-8.62	-83.73	54.64
		449	641.37	200.61	-559.10	196.45	-554.93	-56.07	32.71	-83.94	9.11	-60.34	46.86
		82	739.00	-294.99	-567.03	-307.09	-554.93	-56.07	14.08	-181.36	-10.83	-156.45	65.17
		457	906.43	-299.87	-743.03	-307.09	-735.81	-56.07	0.89	-209.29	-28.56	-179.84	72.95
253	3	455	769.49	210.32	-668.66	206.65	-664.99	-56.68	29.78	-117.93	-4.72	-83.42	62.50
		449	619.40	211.33	-479.31	206.65	-474.63	-56.68	36.43	-92.46	10.61	-66.64	51.59
		82	708.07	-303.29	-493.38	-322.04	-474.63	-56.68	10.56	-189.11	-13.04	-165.51	64.46
		457	870.74	-312.92	-674.11	-322.04	-664.99	-56.68	2.39	-213.05	-28.37	-182.29	75.37
253	4	455	560.64	204.18	-661.92	200.23	-657.97	-58.38	-21.68	-48.18	-36.68	-33.17	-13.14
		449	478.94	205.22	-481.66	200.23	-476.66	-58.38	18.45	-13.68	-12.22	16.99	6.70
		82	381.45	-296.87	-495.61	-315.83	-476.66	-58.38	36.04	-65.21	3.27	-32.44	47.37
		457	577.16	-306.14	-667.66	-315.83	-657.97	-58.38	-10.65	-93.15	-21.19	-82.61	27.54
253	5	455	565.51	209.66	-664.74	206.43	-661.50	-53.06	-26.09	-43.55	-35.13	-34.51	-8.72
		449	479.30	210.47	-490.19	206.43	-486.14	-53.06	17.01	-14.53	-11.21	13.69	9.68
		82	402.64	-301.79	-501.42	-317.07	-486.14	-53.06	35.11	-70.31	2.51	-37.71	48.72
		457	589.41	-309.08	-669.49	-317.07	-661.50	-53.06	-9.40	-97.92	-21.41	-85.91	30.32
253	6	455	567.24	224.28	-658.17	221.52	-655.42	-49.21	-29.73	-39.41	-33.91	-35.23	-4.79
		449	477.36	224.96	-483.43	221.52	-479.99	-49.21	16.88	-16.31	-10.56	11.13	12.56
		82	412.06	-316.59	-494.82	-331.42	-479.99	-49.21	34.70	-74.49	1.85	-41.65	50.08
		457	592.06	-324.11	-662.73	-331.42	-655.42	-49.21	-8.10	-101.41	-21.50	-88.01	32.72
253	7	455	555.26	212.61	-648.59	209.39	-645.38	-52.53	-27.11	-41.40	-34.26	-34.25	-7.14
		449	467.21	213.44	-472.49	209.39	-468.44	-52.53	16.60	-15.10	-10.95	12.45	10.69

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		82	396.62	-303.83	-485.20	-320.60	-468.44	-52.53	34.11	-71.40	2.10	-39.38	48.51
		457	580.20	-312.31	-653.66	-320.60	-645.38	-52.53	-9.01	-98.29	-21.21	-86.09	30.67
253	8	455	623.11	168.01	-515.84	165.16	-513.00	-44.00	28.30	-100.11	-1.33	-70.47	54.10
		449	503.76	168.85	-360.57	165.16	-356.89	-44.00	30.28	-80.95	9.63	-60.31	43.25
		82	584.81	-237.51	-373.11	-253.73	-356.89	-44.00	4.74	-163.35	-12.40	-146.21	50.86
		457	713.34	-246.47	-520.26	-253.73	-513.00	-44.00	0.86	-180.61	-23.37	-156.38	61.72
253	9	455	572.10	179.53	-544.73	179.16	-544.36	-16.37	9.86	-71.55	-9.70	-51.98	34.79
		449	480.26	179.59	-445.11	179.16	-444.68	-16.37	23.32	-51.68	3.96	-32.31	32.82
		82	521.48	-239.14	-445.98	-240.44	-444.68	-16.37	16.18	-113.85	-5.36	-92.30	48.35
		457	622.96	-239.56	-545.24	-240.44	-544.36	-16.37	2.99	-133.99	-19.03	-111.97	50.31
253	10	455	503.73	146.04	-475.45	143.50	-472.92	-39.62	10.21	-69.03	-8.07	-50.76	33.38
		449	395.87	146.70	-347.73	143.50	-344.53	-39.62	21.01	-50.42	4.32	-33.72	30.23
		82	450.11	-213.15	-356.48	-225.10	-344.53	-39.62	11.69	-111.97	-6.32	-93.96	43.62
		457	566.04	-218.92	-479.10	-225.10	-472.92	-39.62	0.86	-130.55	-18.70	-111.00	46.77
253	11	455	399.61	153.79	-469.63	151.77	-467.60	-35.47	-20.13	-28.14	-24.29	-23.98	-4.00
		449	343.87	154.27	-350.02	151.77	-347.51	-35.47	13.05	-11.01	-7.44	9.48	8.55
		82	286.74	-220.41	-357.41	-230.30	-347.51	-35.47	26.52	-49.72	1.96	-25.15	35.63
		457	412.65	-225.11	-472.79	-230.30	-467.60	-35.47	-4.96	-68.55	-14.88	-58.62	23.08
254	1	458	553.84	240.12	-494.64	225.65	-480.17	-102.10	43.65	-81.30	-12.09	-25.56	62.11
		459	698.42	236.89	-701.53	225.65	-690.28	-102.10	24.36	-122.55	-33.60	-64.58	71.80
		461	729.58	-191.59	-711.19	-212.50	-690.28	-102.10	-17.02	-146.21	-31.23	-132.00	40.42
		96	506.11	-177.99	-514.67	-212.50	-480.17	-102.10	0.40	-103.09	-9.72	-92.98	30.73
254	2	458	522.83	168.45	-504.61	156.90	-493.07	-87.41	44.76	-80.57	-11.08	-24.72	62.29
		459	683.32	165.79	-702.02	156.90	-693.13	-87.41	23.19	-121.42	-32.77	-65.46	70.43
		461	744.66	-146.22	-707.09	-160.18	-693.13	-87.41	-19.74	-146.02	-32.15	-133.61	37.59
		96	523.39	-138.63	-514.62	-160.18	-493.07	-87.41	-1.02	-102.31	-10.47	-92.87	29.45
254	3	458	563.43	181.74	-488.06	161.93	-468.24	-113.48	47.02	-82.70	-16.86	-18.82	64.85
		459	635.43	177.52	-664.39	161.93	-648.80	-113.48	26.21	-125.19	-38.10	-60.88	74.84
		461	691.13	-132.61	-673.75	-157.55	-648.80	-113.48	-19.28	-140.85	-35.01	-125.11	40.81
		96	478.89	-120.52	-505.28	-157.55	-468.24	-113.48	-2.05	-94.78	-13.78	-83.05	30.82
254	4	458	554.20	175.34	-488.90	156.19	-469.75	-111.16	21.89	-49.19	21.67	-48.97	3.92
		459	674.86	171.30	-661.38	156.19	-646.27	-111.16	11.95	-55.90	11.09	-55.04	-7.59
		461	764.76	-129.20	-670.16	-153.10	-646.27	-111.16	-10.28	-139.48	-11.36	-138.41	-11.72
		96	633.93	-117.97	-504.87	-153.10	-469.75	-111.16	-0.77	-132.34	-0.77	-132.34	-0.21
254	5	458	537.30	180.84	-478.57	162.09	-459.82	-109.61	19.80	-46.86	19.25	-46.32	6.00
		459	661.39	176.80	-654.68	162.09	-639.97	-109.61	8.55	-54.12	8.29	-53.87	-3.99
		461	747.85	-135.65	-663.79	-159.47	-639.97	-109.61	-11.58	-136.15	-12.29	-135.45	-9.36
		96	612.87	-123.73	-495.56	-159.47	-459.82	-109.61	-1.33	-127.90	-1.33	-127.90	0.63
254	6	458	534.71	197.05	-477.71	175.39	-456.05	-118.94	18.29	-45.48	17.48	-44.67	7.13
		459	657.17	192.52	-650.65	175.39	-633.53	-118.94	6.49	-52.85	6.43	-52.79	-1.84
		461	736.21	-138.37	-662.10	-166.94	-633.53	-118.94	-12.41	-133.58	-12.90	-133.09	-7.70
		96	602.36	-124.30	-498.69	-166.94	-456.05	-118.94	-1.83	-124.98	-1.85	-124.97	1.27
254	7	458	534.41	185.13	-476.80	163.92	-455.59	-116.59	19.12	-46.22	18.60	-45.70	5.81
		459	654.74	180.68	-647.14	163.92	-630.38	-116.59	8.07	-53.24	7.82	-52.99	-3.91
		461	739.55	-131.45	-657.62	-158.70	-630.38	-116.59	-11.72	-134.62	-12.39	-133.95	-9.07
		96	608.53	-118.38	-495.90	-158.70	-455.59	-116.59	-1.61	-126.66	-1.62	-126.66	0.65
254	8	458	458.59	147.10	-368.43	129.69	-351.02	-93.13	39.31	-70.33	-16.32	-14.69	54.82
		459	518.98	143.18	-513.12	129.69	-499.62	-93.13	23.21	-106.12	-33.31	-49.60	64.15
		461	549.75	-102.07	-521.44	-123.89	-499.62	-93.13	-15.18	-118.12	-29.71	-103.59	35.84
		96	373.13	-90.58	-384.32	-123.89	-351.02	-93.13	-2.16	-79.25	-12.72	-68.69	26.51
254	9	458	349.95	157.74	-355.65	147.55	-345.46	-71.62	24.58	-48.31	-3.49	-20.23	35.47
		459	477.45	155.56	-492.86	147.55	-484.85	-71.62	11.04	-71.75	-17.34	-43.37	39.29
		461	508.87	-126.85	-499.17	-141.17	-484.85	-71.62	-13.32	-96.37	-18.91	-90.78	20.80
		96	368.90	-118.57	-368.07	-141.17	-345.46	-71.62	-0.74	-71.96	-5.05	-67.65	16.98
254	10	458	355.00	125.24	-351.92	112.15	-338.84	-77.94	26.04	-48.67	-6.14	-16.49	36.99
		459	440.70	122.55	-472.20	112.15	-461.80	-77.94	11.79	-72.94	-19.84	-41.31	40.98
		461	488.02	-94.13	-478.33	-110.65	-461.80	-77.94	-14.88	-93.08	-21.01	-86.95	21.02
		96	354.46	-86.57	-362.92	-110.65	-338.84	-77.94	-2.45	-67.00	-7.31	-62.14	17.03
254	11	458	380.73	133.71	-346.14	119.63	-332.06	-80.97	13.49	-31.40	12.94	-30.85	4.92
		459	465.06	130.86	-464.54	119.63	-453.32	-80.97	4.96	-36.88	4.90	-36.82	-1.62
		461	517.55	-97.44	-471.74	-115.86	-453.32	-80.97	-8.30	-91.81	-8.72	-91.39	-5.93
		96	425.09	-88.90	-359.02	-115.86	-332.06	-80.97	-0.68	-85.43	-0.68	-85.42	0.62
255	1	460	732.99	875.11	95.55	808.61	162.04	217.75	58.45	-89.90	-25.25	-6.21	73.56
		47	1365.48	831.11	-1298.68	808.61	-1276.18	217.75	66.06	-95.16	-15.56	-13.55	80.60
		454	1187.16	325.17	-1305.79	295.56	-1276.18	217.75	53.29	-94.81	-10.10	-31.42	73.28
		459	571.92	456.55	1.05	295.56	162.04	217.75	44.34	-88.21	-19.79	-24.09	66.24
255	2	460	692.95	688.75	69.76	587.76	170.75	228.72	65.90	-88.64	-16.96	-5.78	77.07
		47	1315.43	615.03	-1330.37	587.76	-1303.10	228.72	67.79	-88.69	-2.78	-18.12	77.86
		454	1189.50	258.20	-1336.61	224.69	-1303.10	228.72	46.91	-88.79	-4.26	-37.63	65.77
		459	570.89	428.03	-32.59	224.69	170.75	228.72	43.20	-86.92	-18.44	-25.28	64.97
255	3	460	675.09	691.51	86.77	624.85	153.43	189.38	68.02	-96.02	-23.38	-4.62	81.48
		47	1231.76	644.67	-1185.31	624.85	-1165.49	189.38	71.52	-97.53	-9.68	-16.33	84.46

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		454	1090.38	254.01	-1190.76	228.74	-1165.49	189.38	52.98	-95.08	-8.53	-33.57	72.96
		459	547.89	384.18	-2.01	228.74	153.43	189.38	47.94	-92.02	-22.22	-21.86	69.98
255	4	460	490.21	675.74	84.03	606.78	152.99	189.86	26.69	-30.87	5.14	-9.32	-27.86
		47	1102.36	626.93	-1182.09	606.78	-1161.94	189.86	25.65	-25.20	-2.41	2.86	-25.29
		454	901.02	247.67	-1187.51	222.10	-1161.94	189.86	8.26	-21.71	-1.42	-12.03	-14.02
		459	332.69	380.52	-5.44	222.10	152.99	189.86	13.44	-31.52	6.13	-24.21	-16.59
255	5	460	489.46	691.14	83.19	625.34	148.99	188.87	21.09	-27.35	2.60	-8.86	-23.53
		47	1103.00	645.17	-1173.10	625.34	-1153.26	188.87	19.76	-21.33	-4.43	2.86	-20.22
		454	898.82	256.00	-1178.57	230.69	-1153.26	188.87	3.44	-17.29	-2.55	-11.29	-9.40
		459	315.87	383.08	-3.40	230.69	148.99	188.87	9.45	-27.99	4.48	-23.01	-12.71
255	6	460	505.75	727.24	90.74	671.85	146.12	179.40	17.68	-26.41	-0.14	-8.59	-21.64
		47	1112.07	689.56	-1145.45	671.85	-1127.74	179.40	15.97	-19.91	-7.52	3.58	-17.06
		454	882.55	267.28	-1150.81	244.21	-1127.74	179.40	-0.55	-13.48	-4.18	-9.84	-5.81
		459	298.64	381.15	9.19	244.21	146.12	179.40	6.93	-25.74	3.20	-22.01	-10.39
255	7	460	491.75	694.05	87.04	635.76	145.33	178.84	20.71	-28.34	1.10	-8.74	-24.03
		47	1089.87	653.81	-1136.58	635.76	-1118.53	178.84	19.00	-21.89	-6.57	3.68	-19.79
		454	869.96	254.16	-1141.83	230.86	-1118.53	178.84	2.09	-15.68	-3.63	-9.96	-8.30
		459	304.16	371.98	4.21	230.86	145.33	178.84	9.05	-27.39	4.04	-22.38	-12.54
255	8	460	556.42	545.70	70.74	496.74	119.70	144.42	60.32	-83.73	-20.07	-3.33	71.54
		47	977.82	511.54	-912.08	496.74	-897.27	144.42	62.76	-84.92	-7.85	-14.31	73.77
		454	862.29	201.37	-916.26	182.38	-897.27	144.42	46.17	-81.71	-7.13	-28.40	63.05
		459	451.75	298.82	3.26	182.38	119.70	144.42	42.44	-79.21	-19.35	-17.42	60.82
255	9	460	454.06	585.34	64.07	537.75	111.66	150.14	28.04	-46.59	-13.76	-4.79	37.04
		47	904.58	553.41	-901.44	537.75	-885.78	150.14	33.36	-49.80	-9.50	-6.94	41.56
		454	789.12	216.28	-906.23	195.82	-885.78	150.14	27.36	-52.21	-6.04	-18.80	39.27
		459	346.28	309.67	-2.18	195.82	111.66	150.14	21.42	-48.38	-10.30	-16.66	34.75
255	10	460	417.15	483.60	58.94	435.66	106.87	134.38	33.36	-49.99	-12.72	-3.91	41.44
		47	828.53	449.83	-838.46	435.66	-824.28	134.38	36.36	-51.08	-6.23	-8.48	43.71
		454	734.91	176.74	-842.32	158.70	-824.28	134.38	27.21	-52.38	-5.17	-20.00	39.09
		459	331.73	269.65	-4.07	158.70	106.87	134.38	23.34	-50.42	-11.66	-15.42	36.83
255	11	460	353.33	503.22	61.36	461.77	102.82	128.83	13.19	-19.12	0.19	-6.11	-15.85
		47	784.03	474.76	-816.29	461.77	-803.31	128.83	12.02	-14.48	-5.03	2.58	-12.69
		454	625.55	184.11	-820.12	167.30	-803.31	128.83	0.31	-9.88	-2.76	-6.81	-4.67
		459	213.87	267.86	2.25	167.30	102.82	128.83	5.39	-18.43	2.47	-15.51	-7.82
256	1	459	713.55	296.53	-698.73	286.96	-689.16	-97.13	20.67	-103.67	-22.67	-60.32	59.25
		454	643.89	297.85	-579.24	286.96	-568.35	-97.13	34.47	-103.05	-14.31	-54.28	65.79
		93	675.15	-227.42	-596.02	-255.09	-568.35	-97.13	17.66	-161.84	-16.10	-128.08	70.14
		461	750.85	-234.35	-709.90	-255.09	-689.16	-97.13	4.68	-163.27	-24.46	-134.13	63.60
256	2	459	690.44	227.74	-702.63	216.80	-691.69	-100.28	21.90	-100.74	-18.72	-60.12	57.72
		454	618.61	229.35	-584.72	216.80	-572.18	-100.28	32.03	-97.62	-10.28	-55.31	60.79
		93	686.68	-171.15	-597.25	-196.23	-572.18	-100.28	12.41	-160.05	-16.11	-131.53	64.07
		461	764.43	-176.70	-711.22	-196.23	-691.69	-100.28	2.29	-163.18	-24.54	-136.35	60.99
256	3	459	643.86	235.61	-664.57	218.92	-647.88	-121.44	26.89	-103.37	-21.89	-54.60	63.04
		454	582.31	238.17	-547.19	218.92	-527.94	-121.44	35.45	-104.90	-15.26	-54.18	67.42
		93	644.55	-159.17	-567.93	-199.16	-527.94	-121.44	12.64	-159.98	-19.38	-127.96	67.10
		461	711.44	-168.41	-678.64	-199.16	-647.88	-121.44	3.76	-158.14	-26.00	-128.37	62.72
256	4	459	704.08	228.80	-662.13	212.10	-645.43	-120.82	-3.16	-71.87	-12.04	-62.99	-23.05
		454	561.85	231.27	-549.31	212.10	-530.14	-120.82	23.21	-29.05	11.46	-17.31	-21.81
		93	544.46	-156.03	-569.16	-195.06	-530.14	-120.82	6.66	-90.90	4.26	-88.50	15.10
		461	718.87	-164.69	-675.79	-195.06	-645.43	-120.82	-17.60	-135.83	-19.25	-134.18	13.86
256	5	459	689.76	236.40	-654.33	220.98	-638.91	-116.17	-6.29	-67.92	-13.01	-61.19	-19.22
		454	551.11	238.60	-544.81	220.98	-527.18	-116.17	18.00	-26.15	9.58	-17.74	-17.34
		93	537.33	-163.65	-564.31	-200.77	-527.18	-116.17	6.49	-91.42	3.17	-88.09	17.75
		461	705.16	-171.87	-667.81	-200.77	-638.91	-116.17	-17.23	-133.74	-19.43	-131.54	15.87
256	6	459	684.83	251.12	-649.86	233.94	-632.68	-123.24	-8.68	-65.39	-14.22	-59.85	-16.85
		454	546.96	253.57	-539.83	233.94	-520.21	-123.24	14.06	-24.00	7.76	-17.70	-14.15
		93	527.48	-168.15	-563.35	-211.29	-520.21	-123.24	6.54	-91.39	2.33	-87.17	19.88
		461	693.47	-177.89	-666.07	-211.29	-632.68	-123.24	-17.02	-131.95	-19.65	-129.32	17.18
256	7	459	682.27	237.67	-646.69	220.53	-629.55	-121.92	-6.95	-67.01	-13.66	-60.31	-18.92
		454	542.72	240.19	-535.43	220.53	-515.77	-121.92	16.70	-25.38	8.63	-17.31	-16.56
		93	527.30	-159.82	-557.53	-201.57	-515.77	-121.92	6.34	-90.60	2.81	-87.07	18.17
		461	695.74	-169.28	-661.85	-201.57	-629.55	-121.92	-17.27	-132.28	-19.49	-130.06	15.81
256	8	459	508.85	188.52	-512.20	175.18	-498.87	-95.75	26.34	-87.72	-17.73	-43.65	55.54
		454	465.75	190.74	-414.26	175.18	-398.70	-95.75	30.68	-92.02	-14.16	-47.18	59.09
		93	522.24	-123.42	-432.01	-156.73	-398.70	-95.75	8.27	-136.37	-17.89	-110.21	55.67
		461	569.27	-131.75	-523.84	-156.73	-498.87	-95.75	3.26	-131.39	-21.46	-106.68	52.12
256	9	459	487.63	196.60	-491.65	189.10	-484.14	-71.49	4.38	-61.19	-14.66	-42.15	29.76
		454	424.44	197.62	-410.63	189.10	-402.11	-71.49	17.08	-55.04	-6.29	-31.68	33.75
		93	446.40	-150.59	-422.43	-170.91	-402.11	-71.49	11.18	-99.96	-7.89	-80.89	41.90
		461	514.79	-155.37	-499.68	-170.91	-484.14	-71.49	-0.45	-107.17	-16.27	-91.36	37.92
256	10	459	448.87	162.87	-472.78	151.30	-461.21	-84.99	7.59	-60.79	-14.23	-38.97	31.87
		454	390.44	164.57	-392.93	151.30	-379.66	-84.99	17.59	-56.03	-6.82	-31.63	34.66

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		93	430.86	-112.77	-406.73	-139.84	-379.66	-84.99	8.41	-98.94	-9.71	-80.81	40.21
		461	493.85	-118.74	-482.30	-139.84	-461.21	-84.99	-1.04	-104.24	-17.12	-88.16	37.43
256	11	459	484.84	171.49	-464.61	159.64	-452.76	-85.99	-5.65	-46.20	-9.97	-41.89	-12.51
		454	387.38	173.12	-388.84	159.64	-375.36	-85.99	11.05	-16.43	5.97	-11.36	-10.67
		93	369.86	-117.86	-404.08	-146.57	-375.36	-85.99	5.42	-61.23	2.35	-58.16	13.98
		461	487.34	-124.08	-475.26	-146.57	-452.76	-85.99	-11.68	-90.60	-13.60	-88.69	12.13
257	1	462	415.51	181.34	-424.25	170.66	-413.57	-79.72	22.56	-61.38	-11.97	-26.84	41.31
		463	592.27	178.46	-644.72	170.66	-636.93	-79.72	10.07	-87.45	-27.61	-49.76	47.49
		465	617.53	-149.98	-649.98	-163.03	-636.93	-79.72	-16.19	-108.53	-26.73	-97.99	29.36
		99	424.28	-139.81	-436.78	-163.03	-413.57	-79.72	-3.57	-82.58	-11.09	-75.07	23.18
257	2	462	394.12	119.16	-431.60	114.16	-426.60	-52.24	23.88	-61.29	-13.39	-24.03	42.25
		463	585.21	117.71	-654.56	114.16	-651.01	-52.24	9.95	-87.96	-29.39	-48.61	48.01
		465	627.85	-130.23	-656.25	-135.47	-651.01	-52.24	-18.44	-106.58	-28.88	-96.14	28.49
		99	429.11	-126.38	-435.69	-135.47	-426.60	-52.24	-5.10	-79.33	-12.87	-71.56	22.73
257	3	462	413.65	106.82	-431.48	96.88	-421.54	-72.46	23.84	-60.80	-18.52	-18.43	42.32
		463	537.75	104.03	-637.45	96.88	-630.30	-72.46	10.30	-86.04	-33.80	-41.94	47.99
		465	590.19	-105.87	-640.31	-115.89	-630.30	-72.46	-20.28	-100.11	-33.11	-87.28	29.33
		99	404.23	-99.58	-437.85	-115.89	-421.54	-72.46	-7.83	-73.77	-17.83	-63.77	23.65
257	4	462	437.33	101.51	-430.07	91.83	-420.40	-71.07	28.08	-50.74	13.43	-36.09	30.66
		463	634.67	98.75	-638.01	91.83	-631.09	-71.07	5.93	-82.52	-6.20	-70.39	30.42
		465	731.53	-103.18	-640.65	-112.75	-631.09	-71.07	-14.02	-134.08	-14.09	-134.01	2.91
		99	522.99	-97.13	-436.02	-112.75	-420.40	-71.07	5.63	-99.81	5.54	-99.71	3.14
257	5	462	432.38	112.17	-427.69	101.36	-416.89	-75.62	26.38	-49.32	11.97	-34.91	29.72
		463	624.17	109.17	-630.83	101.36	-623.02	-75.62	4.99	-80.12	-7.19	-67.94	29.80
		465	716.03	-105.17	-634.07	-116.21	-623.02	-75.62	-14.51	-130.64	-14.61	-130.54	3.34
		99	513.55	-98.26	-434.83	-116.21	-416.89	-75.62	4.65	-97.61	4.55	-97.51	3.25
257	6	462	428.85	119.40	-427.75	106.73	-415.08	-82.28	25.28	-48.53	10.94	-34.19	29.21
		463	617.98	115.94	-628.73	106.73	-619.52	-82.28	4.36	-78.66	-7.91	-66.39	29.47
		465	707.92	-103.80	-632.65	-116.93	-619.52	-82.28	-14.94	-128.44	-15.06	-128.32	3.68
		99	508.76	-95.73	-436.28	-116.93	-415.08	-82.28	3.91	-96.23	3.79	-96.12	3.42
257	7	462	428.20	109.14	-428.33	97.16	-416.35	-79.35	25.82	-48.87	11.59	-34.65	29.33
		463	618.05	105.83	-628.59	97.16	-619.92	-79.35	4.64	-79.30	-7.38	-67.28	29.41
		465	712.95	-99.31	-632.01	-111.40	-619.92	-79.35	-14.67	-129.66	-14.77	-129.57	3.27
		99	513.28	-91.99	-435.76	-111.40	-416.35	-79.35	4.31	-97.04	4.21	-96.94	3.19
257	8	462	325.12	87.29	-324.75	77.99	-315.45	-61.20	17.41	-49.84	-17.05	-15.38	33.61
		463	412.19	84.58	-490.79	77.99	-484.20	-61.20	8.16	-69.07	-28.45	-32.45	38.56
		465	463.33	-81.00	-493.49	-90.29	-484.20	-61.20	-16.40	-82.85	-27.79	-71.47	25.04
		99	317.24	-74.73	-331.01	-90.29	-315.45	-61.20	-7.74	-63.05	-16.39	-54.40	20.09
257	9	462	293.73	114.37	-308.06	107.54	-301.22	-53.30	16.77	-40.46	-4.59	-19.10	27.68
		463	424.74	112.55	-458.97	107.54	-453.96	-53.30	5.92	-59.63	-16.41	-37.30	31.07
		465	446.25	-99.73	-461.98	-107.75	-453.96	-53.30	-12.16	-75.96	-16.83	-71.29	16.62
		99	308.75	-94.04	-314.93	-107.75	-301.22	-53.30	-1.61	-56.49	-5.01	-53.09	13.23
257	10	462	278.88	72.96	-312.06	66.55	-305.65	-49.26	17.08	-39.74	-8.23	-14.43	28.24
		463	393.78	71.20	-454.93	66.55	-450.27	-49.26	5.63	-58.43	-19.85	-32.95	31.35
		465	430.93	-75.09	-456.74	-81.56	-450.27	-49.26	-14.91	-70.80	-20.38	-65.34	16.60
		99	297.52	-71.21	-316.01	-81.56	-305.65	-49.26	-4.46	-51.12	-8.76	-46.82	13.49
257	11	462	305.97	79.86	-309.90	72.02	-302.06	-54.72	18.64	-33.69	8.14	-23.19	20.96
		463	439.28	77.76	-450.02	72.02	-444.28	-54.72	3.41	-55.41	-5.47	-46.54	21.06
		465	497.96	-74.05	-452.37	-82.14	-444.28	-54.72	-10.28	-88.21	-10.35	-88.14	2.36
		99	357.28	-69.27	-314.93	-82.14	-302.06	-54.72	3.33	-64.86	3.25	-64.79	2.26
258	1	464	482.29	661.15	73.33	585.96	148.52	196.33	21.93	-55.61	-30.09	-3.59	36.43
		59	1074.32	608.23	-1144.43	585.96	-1122.15	196.33	37.71	-67.90	-32.24	2.04	49.95
		458	959.59	251.00	-1150.22	222.92	-1122.15	196.33	40.06	-70.27	-19.21	-11.01	55.01
		463	427.84	385.55	-14.10	222.92	148.52	196.33	24.66	-58.35	-17.06	-16.63	41.50
258	2	464	458.24	535.35	24.58	407.49	152.45	221.27	22.98	-56.59	-30.68	-2.93	37.29
		59	1013.18	437.96	-1199.32	407.49	-1168.85	221.27	38.27	-68.17	-32.27	2.36	50.33
		458	979.48	198.04	-1204.67	162.22	-1168.85	221.27	40.14	-70.35	-19.72	-10.49	55.05
		463	453.47	378.66	-63.99	162.22	152.45	221.27	25.07	-58.98	-18.13	-15.78	42.01
258	3	464	406.73	488.14	33.70	373.87	147.97	197.15	18.77	-58.68	-38.13	-1.78	34.20
		59	987.12	399.73	-1129.28	373.87	-1103.42	197.15	37.45	-73.66	-42.96	6.74	49.69
		458	902.14	175.02	-1133.82	144.62	-1103.42	197.15	43.69	-73.95	-27.37	-2.88	57.53
		463	425.93	343.45	-50.87	144.62	147.97	197.15	25.43	-59.38	-22.55	-11.41	42.04
258	4	464	546.62	479.10	28.94	359.90	148.15	198.62	68.20	-38.25	34.69	-4.74	49.44
		59	1134.30	386.36	-1131.05	359.90	-1104.59	198.62	69.20	-36.95	62.50	-30.26	25.80
		458	1021.88	170.96	-1135.52	140.04	-1104.59	198.62	33.67	-57.80	33.66	-57.79	0.95
		463	358.12	342.76	-54.57	140.04	148.15	198.62	17.90	-44.33	5.85	-32.28	24.59
258	5	464	531.22	491.97	40.80	387.60	145.17	190.25	62.57	-36.64	30.51	-4.58	46.40
		59	1107.06	411.95	-1099.05	387.60	-1074.70	190.25	63.04	-34.61	56.01	-27.57	25.25
		458	988.21	175.04	-1103.66	146.08	-1074.70	190.25	30.14	-53.65	30.04	-53.56	2.81
		463	345.96	335.87	-44.63	146.08	145.17	190.25	16.70	-42.71	4.55	-30.57	23.96
258	6	464	522.64	502.24	50.03	406.98	145.30	184.40	59.25	-35.74	27.98	-4.47	44.64
		59	1097.39	429.71	-1088.87	406.98	-1066.13	184.40	59.35	-33.24	52.09	-25.99	24.89

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		458	974.94	180.43	-1093.41	153.15	-1066.13	184.40	27.93	-51.22	27.74	-51.03	3.86
		463	338.34	333.67	-35.22	153.15	145.30	184.40	15.91	-41.79	3.63	-29.51	23.61
258	7	464	519.97	480.82	41.92	377.67	145.07	186.10	61.53	-36.07	29.95	-4.49	45.66
		59	1091.38	401.29	-1088.56	377.67	-1064.94	186.10	61.96	-33.99	55.09	-27.11	24.75
		458	975.98	169.94	-1092.99	141.89	-1064.94	186.10	29.50	-52.88	29.41	-52.79	2.67
		463	338.58	329.59	-42.62	141.89	145.07	186.10	16.25	-42.15	4.27	-30.17	23.58
258	8	464	305.04	381.89	31.24	297.73	115.40	149.76	12.38	-48.63	-34.98	-1.27	25.42
		59	786.39	317.01	-865.51	297.73	-846.23	149.76	30.60	-63.94	-41.25	7.91	40.38
		458	691.40	137.85	-869.02	115.06	-846.23	149.76	38.46	-63.11	-25.90	1.25	48.94
		463	333.41	264.99	-34.53	115.06	115.40	149.76	20.70	-48.26	-19.62	-7.93	33.98
258	9	464	349.25	436.63	44.79	377.64	103.78	140.12	20.59	-35.19	-11.94	-2.65	27.50
		59	747.49	394.16	-811.14	377.64	-794.62	140.12	25.69	-37.92	-9.08	-3.15	31.67
		458	683.35	164.34	-815.09	143.87	-794.62	140.12	21.17	-41.27	-5.90	-14.20	30.94
		463	292.33	265.37	-17.73	143.87	103.78	140.12	15.66	-38.12	-8.77	-13.70	26.78
258	10	464	304.96	342.49	20.79	259.81	103.47	140.58	18.25	-36.30	-16.41	-1.65	26.26
		59	676.14	278.41	-802.81	259.81	-784.21	140.58	24.57	-40.13	-15.03	-0.54	31.53
		458	648.94	122.17	-806.02	100.36	-784.21	140.58	22.28	-42.40	-10.44	-9.68	32.34
		463	289.88	242.51	-38.67	100.36	103.47	140.58	15.77	-38.38	-11.82	-10.80	27.07
258	11	464	371.53	350.05	30.15	278.21	101.99	133.49	42.73	-25.55	20.32	-3.14	32.06
		59	781.03	295.04	-780.33	278.21	-763.50	133.49	42.89	-23.83	37.77	-18.72	17.75
		458	696.68	125.16	-783.55	105.10	-763.50	133.49	20.30	-36.55	20.18	-36.43	2.52
		463	242.83	237.05	-29.96	105.10	101.99	133.49	11.49	-29.62	2.73	-20.86	16.84
259	1	463	580.88	222.24	-643.43	214.45	-635.64	-81.73	4.28	-70.84	-25.12	-41.44	36.66
		458	481.71	223.95	-488.71	214.45	-479.21	-81.73	23.50	-67.33	-16.13	-27.70	45.04
		96	529.37	-164.13	-500.41	-185.33	-479.21	-81.73	14.60	-121.31	-14.78	-91.92	55.95
		465	645.39	-170.95	-650.01	-185.33	-635.64	-81.73	-1.96	-127.48	-23.77	-105.66	47.57
259	2	463	566.59	158.70	-653.18	154.71	-649.19	-56.77	4.94	-70.52	-25.85	-39.73	37.09
		458	455.55	159.66	-497.27	154.71	-492.32	-56.77	23.10	-67.26	-16.89	-27.28	44.88
		96	549.85	-136.60	-501.38	-145.66	-492.32	-56.77	12.49	-120.40	-16.20	-91.70	54.68
		465	661.79	-139.34	-655.51	-145.66	-649.19	-56.77	-3.36	-125.97	-25.17	-104.16	46.89
259	3	463	517.75	144.50	-637.31	136.11	-628.92	-80.56	4.19	-69.99	-32.08	-33.72	37.08
		458	470.27	146.67	-478.82	136.11	-468.26	-80.56	24.37	-68.16	-22.70	-21.10	46.26
		96	504.89	-113.77	-486.57	-132.08	-468.26	-80.56	12.99	-115.36	-20.12	-82.24	56.16
		465	618.86	-119.34	-641.66	-132.08	-628.92	-80.56	-4.95	-119.41	-29.51	-94.86	46.98
259	4	463	647.01	139.50	-637.70	131.46	-629.66	-78.64	18.12	-62.32	14.09	-58.28	17.56
		458	536.44	141.57	-479.88	131.46	-469.76	-78.64	23.94	-48.55	23.47	-48.08	5.82
		96	630.24	-111.35	-487.02	-128.61	-469.76	-78.64	1.99	-134.23	0.61	-132.86	13.64
		465	753.12	-116.56	-641.71	-128.61	-629.66	-78.64	-4.14	-147.70	-8.77	-143.06	25.38
259	5	463	634.96	145.72	-630.72	136.95	-621.95	-82.06	15.52	-60.43	11.47	-56.38	17.06
		458	521.38	148.03	-470.87	136.95	-459.79	-82.06	21.66	-46.16	20.99	-45.49	6.68
		96	609.53	-114.37	-479.29	-133.87	-459.79	-82.06	1.58	-130.13	-0.17	-128.38	15.07
		465	735.62	-120.44	-635.38	-133.87	-621.95	-82.06	-4.87	-144.09	-9.69	-139.27	25.45
259	6	463	629.87	154.46	-629.05	143.92	-618.51	-90.26	13.84	-59.22	9.76	-55.14	16.77
		458	515.83	157.20	-469.43	143.92	-456.15	-90.26	20.21	-44.57	19.41	-43.76	7.19
		96	598.34	-113.41	-479.92	-137.18	-456.15	-90.26	1.27	-127.53	-0.75	-125.51	16.00
		465	725.30	-120.81	-634.88	-137.18	-618.51	-90.26	-5.42	-141.86	-10.39	-136.89	25.57
259	7	463	628.97	142.60	-628.91	132.61	-618.92	-87.23	14.97	-59.71	11.02	-55.76	16.71
		458	514.91	145.27	-468.41	132.61	-455.75	-87.23	21.20	-45.36	20.56	-44.72	6.48
		96	604.89	-108.29	-477.65	-130.19	-455.75	-87.23	1.36	-129.01	-0.39	-127.26	15.00
		465	731.54	-115.08	-634.02	-130.19	-618.92	-87.23	-5.16	-143.08	-9.94	-138.30	25.24
259	8	463	411.48	115.81	-490.08	108.86	-483.13	-64.52	3.17	-57.75	-28.40	-26.18	30.44
		458	377.46	117.74	-359.91	108.86	-351.03	-64.52	20.11	-58.28	-21.46	-16.71	39.13
		96	396.48	-87.48	-366.83	-103.28	-351.03	-64.52	9.70	-95.88	-18.23	-67.95	46.57
		465	485.87	-92.62	-493.79	-103.28	-483.13	-64.52	-5.28	-97.31	-25.16	-77.42	37.88
259	9	463	419.27	142.86	-458.47	137.44	-453.05	-56.83	3.20	-46.31	-12.15	-30.96	22.90
		458	336.44	144.05	-351.55	137.44	-344.95	-56.83	13.75	-40.46	-5.43	-21.28	25.92
		96	379.42	-108.80	-358.62	-122.48	-344.95	-56.83	7.43	-82.26	-7.67	-67.15	33.56
		465	464.98	-112.98	-462.54	-122.48	-453.05	-56.83	-1.94	-89.29	-14.40	-76.83	30.54
259	10	463	383.29	99.67	-455.06	93.92	-449.31	-56.19	2.40	-45.08	-16.02	-26.67	23.13
		458	300.58	101.09	-346.04	93.92	-338.86	-56.19	13.59	-40.28	-9.09	-17.61	26.60
		96	365.64	-80.67	-351.09	-92.90	-338.86	-56.19	6.08	-78.49	-10.64	-61.77	33.68
		465	450.36	-84.25	-457.96	-92.90	-449.31	-56.19	-3.93	-84.48	-17.58	-70.83	30.22
259	11	463	447.29	105.16	-450.44	98.25	-443.53	-61.58	10.11	-41.45	7.23	-38.57	11.85
		458	368.21	106.89	-340.77	98.25	-332.13	-61.58	14.84	-30.73	14.31	-30.20	4.89
		96	422.51	-80.65	-347.21	-95.73	-332.13	-61.58	1.60	-87.29	0.12	-85.81	11.37
		465	510.82	-85.15	-454.11	-95.73	-443.53	-61.58	-3.27	-97.87	-6.96	-94.18	18.32
260	1	466	975.26	-136.67	-1120.25	-223.89	-1033.03	279.60	63.92	-90.05	3.65	-29.78	75.15
		467	1317.81	-170.19	-1679.64	-223.89	-1625.94	279.60	48.91	-106.33	-9.47	-47.95	75.20
		469	1338.43	-344.78	-1686.96	-405.80	-1625.94	279.60	20.14	-122.22	-14.21	-87.87	60.91
		159	982.45	-299.26	-1139.57	-405.80	-1033.03	279.60	34.47	-105.25	-1.09	-69.70	60.86
260	2	466	924.79	-167.89	-1134.51	-227.18	-1075.22	231.93	73.02	-78.73	5.84	-11.56	75.38
		467	1256.07	-189.80	-1666.14	-227.18	-1628.76	231.93	56.61	-96.62	-8.36	-31.65	75.72

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		469	1275.16	-343.63	-1670.62	-385.49	-1628.76	231.93	25.40	-107.14	-12.49	-69.25	59.89
		159	929.13	-314.76	-1145.96	-385.49	-1075.22	231.93	41.02	-88.47	1.70	-49.16	59.54
260	3	466	883.94	-180.32	-1116.15	-234.12	-1062.34	217.85	86.45	-71.95	7.50	6.99	79.20
		467	1218.30	-200.62	-1650.68	-234.12	-1617.17	217.85	67.14	-93.54	-8.62	-17.78	80.21
		469	1212.46	-352.55	-1654.70	-390.08	-1617.17	217.85	33.80	-92.70	-11.13	-47.77	60.54
		159	860.48	-325.66	-1126.76	-390.08	-1062.34	217.85	52.15	-70.16	5.00	-23.00	59.53
260	4	466	900.07	-155.12	-1121.21	-211.08	-1065.25	225.67	27.62	-76.41	-6.06	-42.74	48.68
		467	1259.58	-176.27	-1674.00	-211.08	-1639.19	225.67	25.22	-93.01	-17.12	-50.67	56.69
		469	1283.91	-352.32	-1678.76	-391.89	-1639.19	225.67	15.66	-106.39	-11.86	-78.88	51.00
		159	923.11	-323.26	-1133.89	-391.89	-1065.25	225.67	19.61	-91.35	-0.79	-70.94	42.99
260	5	466	996.72	-122.23	-1171.09	-185.13	-1108.19	249.03	50.83	-93.85	-3.09	-39.93	69.96
		467	1360.74	-144.86	-1725.18	-185.13	-1684.91	249.03	39.57	-116.09	-17.71	-58.81	75.06
		469	1351.08	-339.34	-1731.00	-385.43	-1684.91	249.03	19.71	-119.30	-15.26	-84.34	60.32
		159	979.40	-307.93	-1185.68	-385.43	-1108.19	249.03	30.97	-97.06	-0.63	-65.46	55.21
260	6	466	958.64	-113.67	-1127.13	-200.65	-1040.14	283.88	73.84	-81.69	3.54	-11.38	77.41
		467	1314.60	-146.69	-1693.92	-200.65	-1639.95	283.88	57.49	-105.10	-12.46	-35.15	80.50
		469	1305.79	-341.74	-1702.03	-403.81	-1639.95	283.88	26.98	-108.06	-13.06	-68.02	61.68
		159	934.19	-295.58	-1148.38	-403.81	-1040.14	283.88	42.50	-83.81	2.93	-44.25	58.59
260	7	466	925.45	-112.38	-1091.95	-195.87	-1008.46	273.52	67.20	-78.96	2.63	-14.40	72.58
		467	1270.24	-144.09	-1640.49	-195.87	-1588.71	273.52	52.79	-100.57	-12.20	-35.58	75.79
		469	1266.52	-334.32	-1648.35	-393.96	-1588.71	273.52	25.03	-105.36	-12.60	-67.73	59.08
		159	908.38	-289.86	-1112.57	-393.96	-1008.46	273.52	38.81	-83.13	2.24	-46.55	55.88
260	8	466	674.64	-142.71	-853.47	-184.65	-811.53	167.49	67.98	-54.55	6.28	7.15	61.26
		467	931.20	-158.73	-1266.73	-184.65	-1240.80	167.49	52.73	-70.86	-6.08	-12.05	61.73
		469	926.69	-272.25	-1269.77	-301.22	-1240.80	167.49	26.62	-70.08	-8.35	-35.12	46.46
		159	656.00	-251.16	-861.59	-301.22	-811.53	167.49	41.11	-53.01	4.01	-15.91	46.00
260	9	466	687.26	-95.62	-798.44	-153.27	-740.78	192.87	45.97	-62.47	2.32	-18.83	53.18
		467	930.54	-117.43	-1190.99	-153.27	-1155.14	192.87	35.39	-75.14	-7.42	-32.33	53.84
		469	941.25	-244.05	-1195.97	-284.88	-1155.14	192.87	15.14	-84.40	-9.95	-59.31	43.22
		159	688.63	-214.23	-811.43	-284.88	-740.78	192.87	25.28	-71.29	-0.20	-45.81	42.56
260	10	466	636.42	-119.52	-796.50	-158.96	-757.07	158.57	58.48	-52.42	4.46	1.60	55.43
		467	875.22	-134.21	-1175.02	-158.96	-1150.27	158.57	45.52	-68.05	-6.95	-15.57	56.62
		469	871.27	-248.27	-1178.15	-276.14	-1150.27	158.57	22.73	-68.00	-8.24	-37.03	43.02
		159	620.87	-228.57	-804.64	-276.14	-757.07	158.57	35.04	-51.72	3.18	-19.86	41.82
260	11	466	677.79	-82.77	-802.33	-140.36	-744.74	195.25	51.53	-57.88	2.26	-8.61	54.43
		467	928.64	-104.35	-1198.94	-140.36	-1162.93	195.25	40.20	-74.51	-9.08	-25.22	56.78
		469	923.03	-242.36	-1204.34	-283.77	-1162.93	195.25	19.00	-76.60	-9.31	-48.28	43.65
		159	661.60	-212.19	-816.32	-283.77	-744.74	195.25	29.78	-59.42	2.03	-31.67	41.29
261	1	468	1793.87	980.73	-1205.66	-90.44	-134.49	1092.97	108.67	-126.53	25.28	-43.14	112.51
		142	3149.24	224.08	-3888.59	-90.44	-3574.07	1092.97	51.82	-160.32	9.55	-118.05	84.73
		470	3041.44	690.92	-3854.16	410.83	-3574.07	1092.97	-9.14	-86.65	-15.88	-79.91	21.84
		467	1528.85	1264.64	-988.30	410.83	-134.49	1092.97	47.11	-52.25	-0.15	-5.00	49.62
261	2	468	1737.29	918.72	-1163.92	-94.60	-150.61	1040.94	111.53	-123.31	24.38	-36.15	113.45
		142	3036.32	200.90	-3761.52	-94.60	-3466.03	1040.94	54.74	-153.10	10.53	-108.89	85.05
		470	2912.69	651.63	-3729.18	388.48	-3466.03	1040.94	-5.34	-74.46	-14.88	-64.92	23.84
		467	1474.92	1194.21	-956.34	388.48	-150.61	1040.94	55.82	-49.03	-1.03	7.82	52.24
261	3	468	1746.35	897.83	-1158.95	-101.39	-159.72	1027.98	119.60	-124.76	25.62	-30.77	118.88
		142	3011.07	190.01	-3727.76	-101.39	-3436.36	1027.98	61.39	-151.72	13.51	-103.84	88.94
		470	2875.41	647.82	-3695.10	389.08	-3436.36	1027.98	0.35	-68.67	-13.01	-55.31	27.27
		467	1480.14	1178.65	-949.29	389.08	-159.72	1027.98	66.39	-49.54	-0.90	17.75	57.21
261	4	468	1601.67	827.51	-1192.35	-142.96	-221.88	1009.16	66.05	-121.77	-0.60	-55.11	89.87
		142	2964.31	142.41	-3711.55	-142.96	-3426.17	1009.16	30.88	-156.10	-4.14	-121.07	72.96
		470	2882.62	661.33	-3675.32	412.18	-3426.17	1009.16	-12.15	-77.45	-16.64	-72.96	16.52
		467	1366.30	1152.94	-962.63	412.18	-221.88	1009.16	23.52	-43.61	-13.10	-7.00	33.43
261	5	468	1686.18	844.51	-1198.50	-122.05	-231.94	1020.02	85.48	-136.75	13.69	-64.96	103.92
		142	3045.86	164.03	-3759.03	-122.05	-3472.95	1020.02	44.45	-163.45	9.03	-128.03	78.16
		470	2959.54	656.66	-3724.90	404.72	-3472.95	1020.02	-5.91	-91.44	-13.50	-83.85	24.33
		467	1463.65	1154.93	-982.16	404.72	-231.94	1020.02	35.64	-65.25	-8.84	-20.78	50.09
261	6	468	1808.03	955.45	-1206.64	-96.50	-154.69	1080.65	119.32	-126.15	26.70	-33.53	118.98
		142	3136.99	212.19	-3879.62	-96.50	-3570.93	1080.65	59.62	-158.15	12.09	-110.63	89.95
		470	3020.40	688.69	-3845.09	414.54	-3570.93	1080.65	-4.85	-79.96	-14.44	-70.37	25.07
		467	1533.13	1247.43	-987.58	414.54	-154.69	1080.65	57.64	-50.75	0.17	6.73	54.09
261	7	468	1732.17	919.00	-1170.16	-94.68	-156.49	1044.12	110.25	-120.25	23.63	-33.64	111.63
		142	3018.23	204.23	-3741.92	-94.68	-3443.01	1044.12	54.89	-150.80	10.36	-106.27	84.71
		470	2911.98	668.17	-3708.19	402.99	-3443.01	1044.12	-5.17	-76.34	-14.07	-67.44	23.54
		467	1474.18	1204.20	-957.70	402.99	-156.49	1044.12	52.74	-48.35	-0.79	5.18	50.46
261	8	468	1351.45	696.94	-894.16	-78.86	-118.36	795.31	93.49	-95.82	20.23	-22.56	92.20
		142	2327.83	146.65	-2883.57	-78.86	-2658.05	795.31	47.91	-116.89	10.52	-79.50	69.02
		470	2221.61	500.14	-2858.33	299.87	-2658.05	795.31	0.40	-52.31	-10.02	-41.90	20.98
		467	1143.90	913.09	-731.58	299.87	-118.36	795.31	52.20	-37.46	-0.31	15.05	44.17
261	9	468	1257.33	678.54	-847.19	-64.62	-104.03	762.61	76.62	-89.48	17.29	-30.15	79.59
		142	2203.86	154.29	-2721.33	-64.62	-2502.42	762.61	37.09	-112.32	7.03	-82.25	59.90

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		470	2126.93	483.57	-2697.19	288.80	-2502.42	762.61	-5.61	-59.77	-10.91	-54.47	16.09
		467	1072.53	879.88	-695.11	288.80	-104.03	762.61	34.28	-37.29	-0.65	-2.37	35.78
261	10	468	1230.89	632.51	-821.26	-70.70	-118.04	726.50	82.69	-88.49	17.48	-23.27	83.13
		142	2127.09	135.37	-2631.99	-70.70	-2425.92	726.50	42.40	-107.53	9.23	-74.35	62.24
		470	2034.69	459.63	-2608.83	276.72	-2425.92	726.50	-0.31	-49.81	-9.31	-40.81	19.10
		467	1045.32	832.17	-673.50	276.72	-118.04	726.50	44.99	-35.78	-1.06	10.27	39.99
261	11	468	1265.16	664.52	-847.75	-67.98	-115.25	755.76	82.54	-89.27	18.08	-24.81	83.18
		142	2197.04	147.69	-2716.35	-67.98	-2500.68	755.76	41.43	-111.11	8.44	-78.12	62.80
		470	2115.25	482.34	-2692.16	290.86	-2500.68	755.76	-3.16	-56.12	-10.11	-49.17	17.88
		467	1074.87	870.37	-694.76	290.86	-115.25	755.76	40.17	-36.49	-0.47	4.15	38.26
262	1	467	1490.18	502.05	-1643.58	443.60	-1585.14	349.25	-13.65	-99.60	-35.94	-77.31	37.67
		470	1301.41	502.27	-1635.77	443.60	-1577.10	349.25	61.11	-1.06	25.02	35.03	30.68
		158	1277.45	-297.97	-1672.46	-393.33	-1577.10	349.25	155.09	-88.83	18.94	-47.32	121.13
		469	1477.52	-298.52	-1679.94	-393.33	-1585.14	349.25	75.12	-182.16	-42.02	-65.02	128.12
262	2	467	1429.15	463.37	-1636.83	416.49	-1589.95	310.26	-8.33	-88.93	-35.54	-61.73	38.11
		470	1307.64	464.05	-1607.39	416.49	-1559.82	310.26	71.47	3.13	25.03	49.57	31.89
		158	1208.42	-305.61	-1636.58	-382.36	-1559.82	310.26	166.45	-80.71	20.22	65.52	121.49
		469	1413.87	-307.31	-1665.00	-382.36	-1589.95	310.26	84.68	-170.79	-40.34	-45.77	127.71
262	3	467	1393.28	462.71	-1623.53	416.89	-1577.71	305.77	3.56	-82.30	-32.71	-46.02	42.41
		470	1329.90	463.22	-1601.18	416.89	-1554.86	305.77	82.89	2.82	25.06	60.66	35.86
		158	1177.47	-308.34	-1629.86	-383.34	-1554.86	305.77	176.26	-74.71	20.43	81.11	121.77
		469	1370.09	-309.62	-1651.44	-383.34	-1577.71	305.77	97.00	-159.90	-37.33	-25.57	128.32
262	4	467	1449.91	486.80	-1645.70	440.81	-1599.70	309.79	-34.02	-90.51	-44.69	-79.84	22.11
		470	1312.87	487.42	-1617.88	440.81	-1571.26	309.79	52.27	5.40	19.54	38.13	21.51
		158	1203.07	-309.67	-1647.33	-385.74	-1571.26	309.79	159.60	-76.67	21.67	61.26	116.47
		469	1405.69	-311.25	-1674.19	-385.74	-1599.70	309.79	67.65	-166.92	-42.57	-56.70	117.07
262	5	467	1516.92	476.57	-1691.54	432.63	-1647.59	305.53	-18.78	-104.76	-39.15	-84.40	36.55
		470	1292.98	477.73	-1637.20	432.63	-1592.10	305.53	58.05	-4.66	22.90	30.49	31.12
		158	1251.73	-308.59	-1664.83	-381.31	-1592.10	305.53	159.46	-89.77	19.41	50.28	123.66
		469	1477.55	-311.45	-1717.46	-381.31	-1647.59	305.53	75.93	-183.18	-42.64	-64.61	129.09
262	6	467	1471.85	502.91	-1656.41	446.82	-1600.32	343.47	-3.74	-92.02	-33.67	-62.09	41.79
		470	1334.61	503.25	-1643.74	446.82	-1587.31	343.47	72.38	-0.41	25.20	46.78	34.76
		158	1256.90	-299.16	-1678.89	-390.74	-1587.31	343.47	165.04	-83.52	19.44	62.07	122.44
		469	1451.63	-300.01	-1691.04	-390.74	-1600.32	343.47	86.41	-172.63	-39.43	-46.79	129.47
262	7	467	1425.98	488.68	-1604.92	433.83	-1550.07	334.39	-6.80	-88.83	-33.68	-61.95	38.50
		470	1293.44	489.06	-1590.67	433.83	-1535.44	334.39	68.62	0.91	24.28	45.24	32.19
		158	1217.90	-290.00	-1625.22	-379.77	-1535.44	334.39	159.96	-80.58	19.25	60.13	118.52
		469	1408.47	-290.97	-1638.88	-379.77	-1550.07	334.39	82.01	-167.78	-38.70	-47.07	124.83
262	8	467	1068.18	357.75	-1245.78	322.04	-1210.07	236.61	3.96	-62.50	-24.70	-33.84	32.92
		470	1025.85	358.04	-1232.85	322.04	-1196.84	236.61	64.36	2.11	19.21	47.26	27.79
		158	903.93	-237.32	-1255.19	-295.67	-1196.84	236.61	135.45	-56.73	15.58	63.15	93.10
		469	1048.84	-238.07	-1267.67	-295.67	-1210.07	236.61	75.22	-121.51	-28.33	-17.96	98.23
262	9	467	1049.64	350.28	-1166.40	310.70	-1126.82	241.80	-9.07	-69.36	-25.60	-52.83	26.90
		470	923.22	350.60	-1154.65	310.70	-1114.75	241.80	45.08	-0.13	17.79	27.17	22.11
		158	896.59	-212.02	-1179.52	-276.79	-1114.75	241.80	112.48	-62.08	13.76	36.64	86.53
		469	1041.01	-212.82	-1190.79	-276.79	-1126.82	241.80	55.07	-128.06	-29.63	-43.35	91.31
262	10	467	995.78	328.49	-1155.33	295.85	-1122.69	217.64	0.47	-59.73	-23.81	-35.45	29.53
		470	939.18	328.95	-1135.48	295.85	-1102.39	217.64	57.24	1.97	17.81	41.40	24.99
		158	841.08	-217.70	-1155.93	-271.25	-1102.39	217.64	124.24	-54.24	14.59	55.42	86.88
		469	981.27	-218.84	-1175.10	-271.25	-1122.69	217.64	67.23	-115.69	-27.03	-21.43	91.42
262	11	467	1039.39	350.79	-1173.56	312.48	-1135.25	238.59	-3.50	-65.21	-24.34	-44.37	29.18
		470	941.78	351.16	-1159.10	312.48	-1120.42	238.59	51.42	0.16	17.89	33.69	24.38
		158	885.22	-212.65	-1183.13	-275.35	-1120.42	238.59	118.04	-59.16	14.04	44.84	87.25
		469	1026.60	-213.59	-1197.01	-275.35	-1135.25	238.59	61.38	-122.80	-28.20	-33.23	92.05
263	1	471	933.86	35.52	-1121.20	31.95	-1117.63	-64.23	116.58	-96.42	16.58	3.58	106.30
		472	1028.74	35.34	-1183.96	31.95	-1180.57	-64.23	65.29	-148.22	-18.65	-64.29	104.29
		474	955.63	-387.11	-1185.77	-392.31	-1180.57	-64.23	-1.59	-127.70	-25.56	-103.73	49.48
		103	768.76	-386.67	-1123.27	-392.31	-1117.63	-64.23	43.20	-69.40	9.67	-35.87	51.49
263	2	471	1034.91	17.58	-1190.30	12.60	-1185.31	-77.44	136.01	-83.42	22.41	30.18	109.65
		472	1007.25	17.37	-1243.26	12.60	-1238.48	-77.44	79.29	-136.04	-14.71	-42.04	106.80
		474	954.70	-339.04	-1245.15	-345.71	-1238.48	-77.44	3.02	-112.84	-23.14	-86.68	48.44
		103	765.38	-338.63	-1192.40	-345.71	-1185.31	-77.44	52.98	-53.46	13.98	-14.46	51.29
263	3	471	1177.94	28.68	-1274.46	14.87	-1260.65	-133.44	155.36	-68.24	26.64	60.48	110.51
		472	1048.57	28.70	-1272.57	14.87	-1258.74	-133.44	93.85	-123.30	12.98	-16.47	108.56
		474	900.88	-302.20	-1277.35	-320.81	-1258.74	-133.44	9.81	-91.53	-20.47	-61.26	46.39
		103	870.19	-302.23	-1279.23	-320.81	-1260.65	-133.44	65.79	-30.94	19.16	15.69	48.34
263	4	471	1016.38	88.82	-1245.27	75.76	-1232.20	-131.38	44.91	-95.17	6.15	-56.41	62.67
		472	1104.79	88.67	-1261.34	75.76	-1248.43	-131.38	13.85	-135.67	-21.70	-100.11	63.66
		474	1048.46	-314.30	-1266.91	-332.78	-1248.43	-131.38	-15.66	-131.07	-23.42	-123.31	28.89
		103	946.66	-313.98	-1251.00	-332.78	-1232.20	-131.38	12.85	-88.03	4.43	-79.61	27.90
263	5	471	922.75	60.31	-1162.89	57.83	-1160.41	-55.03	75.50	-91.30	7.71	-23.51	81.93
		472	1072.73	60.17	-1231.72	57.83	-1229.37	-55.03	37.15	-142.34	-24.78	-80.41	85.33

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
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		474	988.88	-364.54	-1232.87	-368.04	-1229.37	-55.03	-7.80	-121.03	-24.04	-104.80	39.68
		103	819.78	-364.24	-1164.22	-368.04	-1160.41	-55.03	26.21	-65.66	8.45	-47.90	36.28
263	6	471	892.06	60.07	-1107.74	56.54	-1104.22	-64.10	91.34	-77.83	7.43	6.08	84.58
		472	961.56	59.90	-1167.67	56.54	-1164.31	-64.10	52.12	-129.92	-26.08	-51.71	90.11
		474	870.37	-390.65	-1169.62	-395.96	-1164.31	-64.10	2.03	-99.87	-22.90	-74.94	43.80
		103	702.24	-390.20	-1109.97	-395.96	-1104.22	-64.10	37.44	-43.97	10.61	-17.15	38.27
263	7	471	871.91	60.38	-1094.10	55.97	-1089.69	-71.19	87.92	-77.51	8.68	1.73	82.64
		472	946.64	60.19	-1143.37	55.97	-1139.14	-71.19	49.07	-126.90	-23.56	-54.27	86.64
		474	866.04	-376.20	-1145.78	-382.84	-1139.14	-71.19	-0.34	-101.64	-22.30	-79.68	41.74
		103	709.73	-375.74	-1096.79	-382.84	-1089.69	-71.19	34.45	-48.20	9.94	-23.69	37.75
263	8	471	928.16	22.31	-988.48	10.47	-976.65	-108.73	124.81	-51.74	21.77	51.31	87.03
		472	821.86	22.39	-981.27	10.47	-969.35	-108.73	75.90	-94.21	10.07	-9.24	85.05
		474	688.65	-228.30	-985.30	-244.25	-969.35	-108.73	8.72	-69.28	-15.50	-45.05	36.09
		103	686.09	-228.45	-992.45	-244.25	-976.65	-108.73	53.49	-22.66	15.34	15.50	38.07
263	9	471	656.90	26.34	-799.85	23.80	-797.32	-45.71	78.88	-65.76	10.81	2.32	72.20
		472	724.72	26.21	-844.05	23.80	-841.64	-45.71	44.01	-102.50	-14.02	-44.48	71.65
		474	673.00	-270.80	-845.30	-274.45	-841.64	-45.71	-1.18	-87.20	-17.74	-70.64	33.92
		103	542.94	-270.49	-801.28	-274.45	-797.32	-45.71	29.39	-46.15	7.09	-23.85	34.46
263	10	471	792.83	22.19	-884.65	14.31	-876.77	-84.16	100.21	-49.89	16.40	33.93	74.54
		472	713.63	22.12	-892.88	14.31	-885.07	-84.16	59.72	-88.51	-10.87	-17.91	74.03
		474	642.40	-224.02	-895.78	-234.74	-885.07	-84.16	5.01	-66.96	-14.91	-47.04	32.20
		103	584.08	-223.89	-887.62	-234.74	-876.77	-84.16	41.50	-24.35	12.36	4.80	32.71
263	11	471	634.25	39.97	-792.38	37.46	-789.87	-45.63	64.85	-55.42	5.72	3.71	60.13
		472	687.61	39.85	-835.00	37.46	-832.61	-45.63	36.69	-92.33	-18.15	-37.49	63.78
		474	625.60	-272.76	-836.33	-276.48	-832.61	-45.63	0.81	-71.71	-16.26	-54.64	30.77
		103	506.20	-272.46	-793.89	-276.48	-789.87	-45.63	26.17	-32.00	7.61	-13.44	27.12
264	1	473	947.33	503.39	-754.48	498.67	-749.75	76.97	126.75	-71.65	39.43	15.66	98.49
		147	1145.06	502.19	-1182.61	498.67	-1179.08	76.97	93.40	-66.62	27.61	-0.83	78.73
		466	991.88	9.74	-1184.07	4.76	-1179.08	76.97	47.31	-92.21	0.88	-45.78	65.75
		472	768.63	12.53	-757.52	4.76	-749.75	76.97	79.75	-96.33	12.70	-29.28	85.50
264	2	473	899.01	419.56	-788.08	416.07	-784.58	64.87	148.76	-58.64	48.33	41.79	103.65
		147	1109.34	418.58	-1259.31	416.07	-1256.79	64.87	109.09	-55.77	31.88	21.44	82.26
		466	983.95	-17.22	-1260.19	-20.62	-1256.79	64.87	56.10	-80.10	2.97	-26.97	66.43
		472	738.42	-15.15	-790.05	-20.62	-784.58	64.87	95.18	-82.37	19.42	-6.61	87.82
264	3	473	894.38	432.19	-758.52	431.77	-758.10	22.48	165.68	-63.54	48.77	53.37	114.58
		147	1068.21	432.08	-1196.77	431.77	-1196.46	22.48	119.39	-64.51	29.89	24.99	91.92
		466	884.17	-44.85	-1196.90	-45.29	-1196.46	22.48	64.79	-74.59	1.09	-10.89	69.43
		472	652.15	-44.58	-758.81	-45.29	-758.10	22.48	110.84	-73.37	19.98	17.49	92.10
264	4	473	880.69	535.24	-791.73	535.10	-791.58	-14.00	18.23	-50.55	5.17	-37.49	26.98
		147	1047.71	535.21	-1148.34	535.10	-1148.22	-14.00	23.67	-25.54	10.26	-12.13	21.91
		466	915.85	2.51	-1148.39	2.34	-1148.22	-14.00	25.48	-74.06	0.37	-48.94	43.23
		472	749.55	2.58	-791.83	2.34	-791.58	-14.00	20.01	-99.04	-4.72	-74.31	48.30
264	5	473	925.47	516.96	-737.72	510.75	-731.51	88.06	71.88	-87.17	9.73	-25.02	77.60
		147	1266.98	514.96	-1330.29	510.75	-1326.08	88.06	57.15	-85.40	6.50	-34.75	68.23
		466	1106.55	30.73	-1331.79	25.01	-1326.08	88.06	33.12	-97.95	-6.47	-58.36	60.18
		472	751.69	35.13	-741.62	25.01	-731.51	88.06	47.24	-99.09	-3.23	-48.63	69.56
264	6	473	846.36	552.36	-706.51	547.39	-701.53	78.98	84.70	-73.43	3.66	7.61	79.04
		147	1126.30	550.94	-1208.89	547.39	-1205.34	78.98	81.08	-65.23	10.19	5.66	73.12
		466	969.99	37.86	-1210.36	32.85	-1205.34	78.98	60.63	-82.73	0.41	-22.51	70.76
		472	688.68	41.24	-709.93	32.85	-701.53	78.98	63.68	-90.35	-6.12	-20.55	76.68
264	7	473	830.08	542.69	-689.48	538.89	-685.68	68.35	81.60	-67.81	8.20	5.60	74.69
		147	1082.05	541.65	-1153.19	538.89	-1150.43	68.35	75.09	-59.77	11.39	3.93	67.33
		466	925.48	29.48	-1154.39	25.52	-1150.43	68.35	54.06	-79.48	-0.08	-25.35	65.56
		472	669.28	32.03	-692.19	25.52	-685.68	68.35	60.16	-87.12	-3.27	-23.68	72.93
264	8	473	702.72	330.68	-584.35	330.51	-584.19	12.17	133.94	-48.52	40.73	44.68	91.21
		147	817.01	330.63	-909.90	330.51	-909.78	12.17	95.24	-49.71	24.66	20.87	72.45
		466	666.94	-40.04	-909.95	-40.21	-909.78	12.17	50.79	-56.72	1.05	-6.98	53.60
		472	514.73	-39.94	-584.46	-40.21	-584.19	12.17	89.34	-55.38	17.12	16.83	72.36
264	9	473	654.85	356.11	-531.49	352.72	-528.10	54.75	83.58	-50.20	23.44	9.94	66.55
		147	809.54	355.21	-850.85	352.72	-848.36	54.75	63.72	-46.48	17.00	0.24	54.46
		466	704.78	9.52	-851.86	6.02	-848.36	54.75	34.47	-63.75	0.36	-29.64	46.77
		472	534.73	11.58	-533.66	6.02	-528.10	54.75	53.79	-66.93	6.79	-19.93	58.86
264	10	473	613.95	316.26	-533.45	315.55	-532.74	24.48	105.26	-45.74	28.63	30.89	75.49
		147	766.70	316.06	-858.53	315.55	-858.02	24.48	78.24	-45.38	18.27	14.59	61.78
		466	644.86	-21.06	-858.73	-21.78	-858.02	24.48	44.22	-54.00	0.48	-10.26	48.81
		472	469.63	-20.61	-533.91	-21.78	-532.74	24.48	71.01	-54.13	10.84	6.05	62.52
264	11	473	599.01	383.31	-504.84	379.79	-501.32	55.86	60.27	-51.24	3.56	5.47	55.75
		147	799.21	382.29	-865.46	379.79	-862.95	55.86	56.95	-45.78	7.33	3.85	51.34
		466	692.54	25.14	-866.47	21.63	-862.95	55.86	41.95	-58.56	0.10	-16.71	49.55
		472	490.30	27.53	-507.22	21.63	-501.32	55.86	44.89	-63.64	-3.66	-15.09	53.96
265	1	472	982.53	-11.33	-1187.29	-12.08	-1186.54	-29.64	42.72	-107.45	-5.19	-59.54	69.99
		466	810.49	-11.21	-1023.71	-12.08	-1022.84	-29.64	62.13	-69.88	17.59	-25.34	62.42

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		159	859.17	-446.29	-1024.37	-447.81	-1022.84	-29.64	63.17	-131.21	3.82	-71.87	89.52
		474	1035.28	-446.63	-1187.73	-447.81	-1186.54	-29.64	43.90	-168.93	-18.96	-106.07	97.10
265	2	472	953.01	-33.26	-1248.75	-36.76	-1245.25	-65.12	53.33	-93.01	-1.21	-38.47	70.76
		466	769.87	-32.66	-1069.33	-36.76	-1065.22	-65.12	72.68	-54.54	22.49	-4.35	62.18
		159	830.29	-402.76	-1071.62	-409.16	-1065.22	-65.12	70.99	-117.39	7.30	-53.70	89.12
		474	1018.61	-404.12	-1250.29	-409.16	-1245.25	-65.12	51.91	-156.13	-16.40	-87.82	97.70
265	3	472	909.96	-56.76	-1278.99	-67.30	-1268.45	-112.99	63.55	-81.84	-1.82	-16.48	72.32
		466	819.00	-54.51	-1065.75	-67.30	-1052.96	-112.99	83.92	-47.59	21.86	14.47	65.65
		159	769.80	-381.60	-1071.98	-400.62	-1052.96	-112.99	82.47	-101.15	9.52	-28.21	89.85
		474	945.15	-386.15	-1282.93	-400.62	-1268.45	-112.99	62.46	-135.77	-14.16	-59.16	96.53
265	4	472	1062.29	-11.50	-1267.30	-20.09	-1258.72	-103.48	-7.41	-106.10	-18.64	-94.87	31.34
		466	817.12	-9.84	-1065.03	-20.09	-1054.78	-103.48	27.68	-53.09	13.08	-38.48	31.09
		159	833.01	-392.21	-1070.94	-408.37	-1054.78	-103.48	54.87	-117.81	8.81	-71.75	76.37
		474	1080.19	-395.96	-1271.13	-408.37	-1258.72	-103.48	17.43	-168.47	-22.91	-128.13	76.62
265	5	472	1034.40	9.10	-1236.12	8.42	-1235.45	-29.05	13.77	-110.19	-18.21	-78.21	54.24
		466	874.39	9.18	-1099.40	8.42	-1098.64	-29.05	43.92	-74.43	7.41	-37.92	54.66
		159	886.90	-418.65	-1099.88	-419.89	-1098.64	-29.05	63.01	-124.04	4.55	-65.58	86.70
		474	1047.63	-418.86	-1236.48	-419.89	-1235.45	-29.05	32.67	-159.60	-21.07	-105.86	86.28
265	6	472	927.29	15.57	-1170.34	15.26	-1170.03	-19.06	31.55	-94.41	-15.75	-47.11	61.00
		466	781.42	15.61	-1030.31	15.26	-1029.96	-19.06	60.91	-64.86	8.11	-12.06	62.07
		159	805.04	-449.37	-1030.59	-449.99	-1029.96	-19.06	74.43	-111.53	5.29	-42.70	89.79
		474	950.01	-449.49	-1170.54	-449.99	-1170.03	-19.06	45.56	-141.58	-18.27	-77.75	88.72
265	7	472	911.66	7.64	-1145.89	7.04	-1145.28	-26.44	27.62	-92.51	-14.60	-50.29	57.35
		466	755.97	7.73	-999.52	7.04	-998.83	-26.44	56.43	-60.96	9.42	-13.95	57.52
		159	784.36	-435.06	-1000.07	-436.30	-998.83	-26.44	70.11	-110.08	5.79	-45.76	86.33
		474	939.11	-435.31	-1146.27	-436.30	-1145.28	-26.44	41.73	-142.06	-18.23	-82.09	86.17
265	8	472	711.98	-48.13	-986.59	-57.47	-977.25	-93.16	52.21	-61.96	-0.21	-9.54	56.89
		466	635.21	-46.02	-815.75	-57.47	-804.31	-93.16	66.68	-35.74	17.65	13.28	51.16
		159	596.82	-291.09	-821.21	-308.00	-804.31	-93.16	63.93	-76.76	7.43	-20.26	68.97
		474	720.71	-295.27	-989.98	-308.00	-977.25	-93.16	49.71	-103.22	-10.43	-43.08	74.70
265	9	472	693.20	-5.60	-846.33	-6.15	-845.77	-21.56	27.76	-74.29	-5.25	-41.27	47.74
		466	573.43	-5.52	-734.31	-6.15	-733.67	-21.56	43.40	-47.98	11.47	-16.05	43.56
		159	605.76	-312.28	-734.77	-313.38	-733.67	-21.56	46.43	-90.26	3.24	-47.07	63.55
		474	728.04	-312.51	-846.65	-313.38	-845.77	-21.56	30.95	-116.72	-13.49	-72.28	67.73
265	10	472	641.66	-31.48	-896.64	-36.83	-891.28	-67.87	39.17	-59.89	-3.38	-17.34	49.04
		466	567.10	-30.44	-756.80	-36.83	-750.40	-67.87	55.48	-35.57	13.85	6.06	45.36
		159	542.28	-277.42	-760.14	-287.16	-750.40	-67.87	57.18	-73.59	6.41	-22.81	63.74
		474	677.86	-279.63	-898.81	-287.16	-891.28	-67.87	41.18	-98.22	-10.82	-46.22	67.41
265	11	472	662.61	9.32	-836.89	9.03	-836.60	-15.68	21.55	-67.04	-11.12	-34.36	42.74
		466	557.17	9.36	-737.95	9.03	-737.62	-15.68	42.77	-45.24	6.20	-8.68	43.37
		159	575.53	-314.01	-738.20	-314.59	-737.62	-15.68	52.75	-79.39	4.22	-30.86	63.70
		474	680.57	-314.12	-837.07	-314.59	-836.60	-15.68	31.88	-101.54	-13.10	-56.55	63.07
266	1	475	856.38	48.21	-993.22	42.00	-987.00	-80.24	57.76	-26.34	-18.06	49.48	25.05
		476	856.43	48.02	-1027.31	42.00	-1021.29	-80.24	37.49	-68.95	-45.52	14.06	44.10
		478	743.68	-238.44	-1029.51	-246.67	-1021.29	-80.24	38.17	-27.03	-22.59	33.73	16.43
		111	773.38	-238.07	-995.60	-246.67	-987.00	-80.24	69.25	4.77	4.88	69.14	-2.62
266	2	475	902.61	24.37	-1017.22	23.47	-1016.31	-30.67	72.74	-23.38	-18.50	67.86	21.09
		476	911.83	24.33	-1070.00	23.47	-1069.14	-30.67	52.54	-63.27	-45.77	35.04	41.47
		478	825.23	-241.25	-1070.28	-242.39	-1069.14	-30.67	60.44	-24.23	-21.08	57.29	16.02
		111	843.17	-241.17	-1017.53	-242.39	-1016.31	-30.67	90.34	5.96	6.18	90.11	-4.36
266	3	475	985.77	-11.37	-1070.23	-11.49	-1070.10	11.51	98.99	-18.67	-14.42	94.75	21.94
		476	1006.95	-11.37	-1155.44	-11.49	-1155.32	11.51	75.80	-57.33	-42.76	61.23	41.56
		478	948.43	-227.85	-1155.46	-228.00	-1155.32	11.51	86.00	-21.19	-18.87	83.67	15.62
		111	950.30	-227.84	-1070.26	-228.00	-1070.10	11.51	117.34	9.32	9.47	117.19	-4.00
266	4	475	745.18	4.07	-1071.52	4.01	-1071.46	7.92	32.64	-38.34	-1.51	-4.20	35.47
		476	915.67	4.06	-1169.26	4.01	-1169.21	7.92	5.03	-92.02	-32.16	-54.83	47.18
		478	846.35	-215.12	-1169.28	-215.18	-1169.21	7.92	-18.28	-56.19	-19.52	-54.95	6.75
		111	676.31	-215.11	-1071.53	-215.18	-1071.46	7.92	12.60	-5.78	11.14	-4.32	-4.97
266	5	475	792.60	58.32	-1022.53	55.38	-1019.59	-56.29	43.29	-22.19	-2.66	23.77	29.95
		476	779.10	58.18	-1076.04	55.38	-1073.24	-56.29	18.57	-67.94	-30.97	-18.41	42.80
		478	680.08	-246.97	-1077.07	-250.81	-1073.24	-56.29	-7.51	-26.30	-16.91	-16.90	9.40
		111	672.34	-246.71	-1023.69	-250.81	-1019.59	-56.29	26.09	10.59	11.39	25.28	-3.44
266	6	475	824.41	70.40	-1002.13	64.07	-995.79	-82.18	52.32	-14.65	-2.27	39.95	25.99
		476	806.26	70.20	-1036.99	64.07	-1030.86	-82.18	27.23	-53.88	-28.96	2.32	37.42
		478	666.79	-228.94	-1039.28	-237.36	-1030.86	-82.18	8.64	-18.58	-16.15	6.20	7.77
		111	710.56	-228.56	-1004.60	-237.36	-995.79	-82.18	44.23	10.14	10.54	43.83	-3.66
266	7	475	824.09	51.74	-1005.32	45.68	-999.27	-79.75	55.05	-18.07	-2.68	39.66	29.80
		476	802.19	51.55	-1039.60	45.68	-1033.74	-79.75	28.89	-59.03	-30.12	-0.01	41.30
		478	668.91	-214.95	-1041.51	-222.71	-1033.74	-79.75	7.91	-21.18	-17.23	3.96	9.97
		111	716.21	-214.61	-1007.37	-222.71	-999.27	-79.75	43.70	10.14	10.21	43.63	-1.53
266	8	475	768.26	-11.45	-821.57	-11.72	-821.30	14.70	79.97	-14.98	-12.23	77.23	15.91
		476	788.30	-11.47	-890.17	-11.72	-889.92	14.70	62.85	-44.14	-33.78	52.48	31.65

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		478	748.37	-175.63	-890.23	-175.93	-889.92	14.70	73.10	-16.32	-14.52	71.30	12.56
		111	745.69	-175.60	-821.63	-175.93	-821.30	14.70	96.16	6.91	7.02	96.05	-3.17
266	9	475	608.02	32.46	-715.31	28.38	-711.23	-55.10	40.83	-17.26	-10.31	33.87	18.86
		476	604.38	32.32	-740.77	28.38	-736.82	-55.10	25.17	-47.85	-30.16	7.49	31.28
		478	521.60	-166.10	-742.14	-171.42	-736.82	-55.10	22.05	-18.37	-15.36	19.04	10.61
		111	546.06	-165.85	-716.79	-171.42	-711.23	-55.10	45.50	4.42	4.50	45.42	-1.81
266	10	475	678.37	-1.32	-757.42	-1.34	-757.39	-4.13	63.13	-12.40	-8.28	59.02	17.14
		476	686.61	-1.32	-811.31	-1.34	-811.29	-4.13	45.70	-40.64	-28.63	33.69	29.88
		478	634.84	-161.02	-811.31	-161.05	-811.29	-4.13	48.46	-14.96	-13.29	46.78	10.17
		111	643.53	-161.02	-757.42	-161.05	-757.39	-4.13	72.21	6.95	7.05	72.11	-2.57
266	11	475	590.39	44.79	-720.26	40.64	-716.11	-56.18	38.06	-11.03	-1.54	28.57	19.39
		476	576.57	44.65	-746.15	40.64	-742.14	-56.18	19.67	-39.67	-20.96	0.96	27.57
		478	478.95	-160.82	-747.57	-166.25	-742.14	-56.18	5.67	-13.71	-11.78	3.75	5.80
		111	511.13	-160.57	-721.79	-166.25	-716.11	-56.18	31.60	7.41	7.64	31.36	-2.39
267	1	477	695.47	356.73	-470.55	355.25	-469.06	35.05	9.40	-112.95	-93.29	-10.27	44.93
		133	1123.91	356.02	-1241.70	355.25	-1240.93	35.05	47.73	-114.00	-63.44	-2.83	74.97
		479	1022.12	6.41	-1241.92	5.42	-1240.93	35.05	91.45	-78.16	-25.95	39.23	78.29
		476	524.47	8.00	-471.64	5.42	-469.06	35.05	53.17	-77.16	-55.79	31.80	48.26
267	2	477	718.71	286.83	-517.03	278.35	-508.55	82.13	21.57	-110.24	-100.72	12.06	34.10
		133	1217.64	282.49	-1351.43	278.35	-1347.29	82.13	67.27	-98.48	-62.55	31.34	68.29
		479	1149.29	-2.61	-1352.31	-7.63	-1347.29	82.13	118.54	-67.84	-20.80	71.50	80.96
		476	582.54	5.50	-521.67	-7.63	-508.55	82.13	69.27	-76.03	-58.97	52.21	46.77
267	3	477	781.76	190.01	-612.88	167.47	-590.34	132.63	51.89	-101.87	-98.43	48.45	22.74
		133	1386.24	177.77	-1539.31	167.47	-1529.00	132.63	103.01	-76.11	-54.09	81.00	58.81
		479	1343.83	-6.79	-1540.56	-18.34	-1529.00	132.63	152.26	-52.84	-11.53	110.95	82.26
		476	684.03	10.91	-619.60	-18.34	-590.34	132.63	92.76	-70.22	-55.86	78.41	46.19
267	4	477	789.31	234.13	-593.71	200.53	-560.11	163.35	37.07	-130.78	-37.22	-56.50	83.37
		133	1477.20	215.43	-1589.85	200.53	-1574.95	163.35	26.55	-165.52	-34.74	-104.23	89.53
		479	1275.07	28.39	-1591.59	11.74	-1574.95	163.35	6.78	-99.60	-23.85	-68.98	48.17
		476	555.37	55.12	-603.48	11.74	-560.11	163.35	18.29	-65.87	-26.33	-21.25	42.01
267	5	477	625.68	381.00	-538.58	375.67	-533.26	69.78	24.69	-89.64	-48.87	-16.08	54.76
		133	1104.15	378.59	-1295.77	375.67	-1292.86	69.78	35.46	-104.60	-37.98	-31.16	69.94
		479	929.86	32.64	-1296.53	28.96	-1292.86	69.78	43.20	-69.05	-18.70	-7.15	55.83
		476	447.22	37.49	-541.79	28.96	-533.26	69.78	33.95	-55.60	-29.59	7.94	40.65
267	6	477	655.92	397.33	-517.15	396.49	-516.31	27.80	21.63	-72.64	-49.20	-1.81	40.75
		133	1048.15	396.97	-1207.09	396.49	-1206.61	27.80	36.00	-81.60	-39.19	-6.41	56.47
		479	912.64	25.45	-1207.24	24.83	-1206.61	27.80	54.35	-55.25	-19.24	18.33	51.48
		476	478.83	26.25	-517.73	24.83	-516.31	27.80	41.10	-47.42	-29.25	22.93	35.75
267	7	477	625.78	339.81	-519.89	338.68	-518.76	31.10	25.39	-78.15	-48.99	-3.77	46.57
		133	1014.02	339.31	-1211.80	338.68	-1211.18	31.10	39.24	-86.02	-36.78	-10.00	61.18
		479	902.37	11.18	-1211.97	10.39	-1211.18	31.10	55.47	-58.51	-18.00	14.97	54.55
		476	476.27	12.21	-520.59	10.39	-518.76	31.10	42.99	-52.01	-30.21	21.20	39.94
267	8	477	617.34	139.06	-474.81	119.43	-455.19	108.00	43.41	-81.62	-79.76	41.54	15.16
		133	1095.53	128.25	-1202.26	119.43	-1193.44	108.00	85.45	-58.64	-43.11	69.93	44.67
		479	1065.63	-5.76	-1203.26	-15.58	-1193.44	108.00	125.33	-40.33	-8.41	93.42	65.34
		476	541.71	9.52	-480.29	-15.58	-455.19	108.00	75.66	-55.69	-45.06	65.03	35.82
267	9	477	482.19	245.82	-347.16	244.60	-345.94	26.89	9.17	-75.01	-59.57	-6.27	32.58
		133	784.07	245.24	-887.26	244.60	-886.62	26.89	32.84	-76.98	-40.91	-3.23	51.58
		479	712.19	4.43	-887.43	3.62	-886.62	26.89	59.61	-52.72	-17.12	24.01	52.26
		476	367.08	5.67	-347.99	3.62	-345.94	26.89	36.32	-51.13	-35.78	20.97	33.27
267	10	477	526.39	151.92	-424.95	140.28	-413.31	81.10	30.75	-66.83	-62.43	26.35	20.25
		133	928.06	145.80	-1052.17	140.28	-1046.66	81.10	61.92	-54.30	-35.72	43.33	42.60
		479	891.24	-3.28	-1052.96	-9.58	-1046.66	81.10	92.93	-38.18	-9.11	63.85	54.47
		476	455.03	6.10	-428.99	-9.58	-413.31	81.10	57.88	-46.83	-35.82	46.87	32.12
267	11	477	461.07	268.33	-373.00	267.51	-372.18	22.86	16.26	-52.91	-35.08	-1.57	30.25
		133	742.17	267.97	-868.01	267.51	-867.55	22.86	26.43	-59.10	-27.44	-5.22	41.30
		479	651.90	14.99	-868.14	14.40	-867.55	22.86	39.03	-40.02	-13.39	12.40	37.37
		476	342.22	15.75	-373.53	14.40	-372.18	22.86	29.70	-34.68	-21.03	16.05	26.32
268	1	476	823.19	-5.51	-1033.18	-12.31	-1026.38	-83.32	24.42	-67.33	-52.34	9.43	33.92
		479	851.34	-5.18	-986.29	-12.31	-979.16	-83.32	62.81	-70.69	-33.69	25.81	59.75
		88	841.71	-267.39	-988.91	-277.14	-979.16	-83.32	103.13	-51.42	-2.39	54.10	71.93
		478	791.90	-267.99	-1035.53	-277.14	-1026.38	-83.32	63.01	-46.32	-21.04	37.72	46.09
268	2	476	889.50	-21.87	-1074.03	-23.14	-1072.76	-36.59	42.44	-63.16	-52.57	31.85	31.72
		479	924.23	-21.83	-1042.98	-23.14	-1041.66	-36.59	82.10	-62.76	-32.05	51.39	59.21
		88	917.16	-254.38	-1043.36	-256.08	-1041.66	-36.59	123.86	-43.46	1.02	79.38	73.92
		478	861.01	-254.45	-1074.39	-256.08	-1072.76	-36.59	81.23	-40.90	-19.51	59.85	46.42
268	3	476	1002.31	-29.18	-1156.09	-29.18	-1156.09	-0.63	69.26	-55.44	-47.53	61.35	30.39
		479	1047.31	-29.18	-1143.87	-29.18	-1143.87	-0.63	109.13	-49.24	-25.03	84.92	56.99
		88	1035.24	-223.12	-1143.87	-223.12	-1143.87	-0.63	146.87	-33.65	6.34	106.88	74.96
		478	970.72	-223.12	-1156.09	-223.12	-1156.09	-0.63	102.94	-35.80	-16.16	83.31	48.37
268	4	476	912.65	1.93	-1169.56	1.70	-1169.33	-16.47	-14.13	-82.75	-34.49	-62.39	31.35
		479	883.84	1.94	-1133.38	1.70	-1133.14	-16.47	14.11	-81.32	-18.23	-48.98	45.17

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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	88	817.59	-214.62	-1133.44	-214.92	-1133.14	-16.47	39.62	-75.17	-1.51	-34.04	55.04	
	478	844.99	-214.63	-1169.62	-214.92	-1169.33	-16.47	11.20	-76.42	-17.76	-47.46	41.22	
268	5	476	743.91	17.14	-1081.20	13.09	-1077.15	-66.54	-0.85	-57.59	-34.95	-23.49	27.78
	479	746.42	17.39	-1017.76	13.09	-1013.47	-66.54	33.99	-55.70	-16.84	-4.87	44.44	
	88	711.12	-267.80	-1019.41	-273.74	-1013.47	-66.54	63.16	-54.14	2.52	6.50	58.61	
	478	683.16	-268.26	-1082.62	-273.74	-1077.15	-66.54	28.13	-55.85	-15.59	-12.13	41.95	
268	6	476	768.64	17.42	-1045.61	8.04	-1036.23	-99.42	7.82	-46.61	-35.64	-3.15	21.83
	479	779.63	18.08	-976.57	8.04	-966.53	-99.42	44.57	-40.27	-15.76	20.06	38.45	
	88	759.94	-256.95	-980.46	-270.88	-966.53	-99.42	77.36	-39.39	3.87	34.10	56.39	
	478	725.96	-258.17	-1048.93	-270.88	-1036.23	-99.42	39.42	-44.55	-16.01	10.88	39.77	
268	7	476	765.78	3.48	-1048.33	-6.04	-1038.81	-99.63	10.17	-50.07	-35.12	-4.78	26.02
	479	770.96	4.20	-975.14	-6.04	-964.89	-99.63	44.99	-45.09	-16.09	15.99	42.09	
	88	754.61	-241.79	-978.62	-255.52	-964.89	-99.63	75.39	-43.55	2.83	29.01	58.01	
	478	728.84	-243.05	-1051.28	-255.52	-1038.81	-99.63	39.71	-47.67	-16.20	8.25	41.94	
268	8	476	787.06	-23.17	-890.28	-23.21	-890.24	5.81	58.75	-43.29	-37.48	52.95	23.63
	479	824.32	-23.17	-885.66	-23.21	-885.62	5.81	89.41	-38.56	-20.13	70.98	44.94	
	88	815.48	-169.71	-885.66	-169.75	-885.62	5.81	118.91	-25.21	5.01	88.69	58.67	
	478	763.27	-169.71	-890.29	-169.75	-890.24	5.81	85.00	-26.69	-12.34	70.65	37.37	
268	9	476	580.18	-4.20	-745.18	-9.03	-740.34	-59.66	14.90	-45.36	-34.66	4.21	23.02
	479	596.92	-3.94	-708.16	-9.03	-703.07	-59.66	42.07	-46.32	-21.10	16.85	39.91	
	88	589.77	-185.81	-709.95	-192.69	-703.07	-59.66	69.36	-35.55	-0.73	34.54	49.40	
	478	557.62	-186.27	-746.77	-192.69	-740.34	-59.66	41.01	-33.40	-14.29	21.90	32.51	
268	10	476	678.76	-18.17	-812.64	-18.40	-812.41	-13.72	39.28	-38.22	-31.99	33.05	21.06
	479	705.31	-18.16	-794.82	-18.40	-794.58	-13.72	67.31	-33.91	-16.29	49.69	38.38	
	88	695.76	-162.39	-794.88	-162.68	-794.58	-13.72	93.17	-25.19	4.12	63.86	51.09	
	478	655.26	-162.39	-812.70	-162.68	-812.41	-13.72	62.60	-26.96	-11.58	47.22	33.77	
268	11	476	549.99	8.51	-752.06	2.27	-745.82	-68.61	5.76	-33.93	-25.39	-2.78	16.31
	479	557.42	8.95	-702.73	2.27	-696.06	-68.61	31.96	-29.44	-11.14	13.66	28.08	
	88	544.35	-180.09	-705.18	-189.21	-696.06	-68.61	55.14	-28.97	2.74	23.43	40.77	
	478	520.95	-180.88	-754.15	-189.21	-745.82	-68.61	28.18	-32.69	-11.50	6.99	29.00	
269	1	479	904.72	13.05	-983.96	8.99	-979.90	-63.47	107.65	-71.88	-4.59	40.37	86.90
	480	894.07	12.66	-1088.53	8.99	-1084.86	-63.47	66.07	-136.37	-41.67	-28.63	101.01	
	482	705.93	-305.70	-1090.03	-310.87	-1084.86	-63.47	20.30	-70.55	-25.92	-24.33	45.42	
	88	719.14	-304.90	-985.87	-310.87	-979.90	-63.47	63.42	-7.60	11.16	44.66	31.31	
269	2	479	977.94	-15.62	-1043.17	-16.58	-1042.21	-31.37	128.32	-61.17	-0.72	67.87	88.32
	480	958.42	-15.72	-1152.66	-16.58	-1151.79	-31.37	83.15	-126.10	-39.53	-3.41	103.05	
	482	750.27	-270.62	-1152.91	-271.74	-1151.79	-31.37	33.59	-60.06	-23.56	-2.91	45.67	
	88	809.99	-270.46	-1043.48	-271.74	-1042.21	-31.37	82.59	1.03	15.25	68.37	30.94	
269	3	479	1104.88	-34.86	-1144.71	-35.43	-1144.14	-25.20	154.11	-46.50	5.80	101.80	88.08
	480	1069.33	-34.91	-1246.54	-35.43	-1246.01	-25.20	104.22	-110.23	-34.86	28.85	102.39	
	482	878.47	-220.74	-1246.63	-221.36	-1246.01	-25.20	49.80	-47.53	-20.17	22.43	43.76	
	88	947.12	-220.67	-1144.83	-221.36	-1144.14	-25.20	105.58	10.30	20.49	95.39	29.45	
269	4	479	908.37	15.95	-1134.89	14.01	-1132.95	-47.20	50.61	-88.10	3.37	-40.86	65.73
	480	1084.01	15.80	-1227.25	14.01	-1225.46	-47.20	14.44	-141.87	-28.08	-99.35	69.56	
	482	987.82	-221.80	-1227.68	-224.02	-1225.46	-47.20	-17.34	-103.27	-23.66	-96.95	22.43	
	88	801.95	-221.57	-1135.39	-224.02	-1132.95	-47.20	14.34	-45.01	7.78	-38.46	18.61	
269	5	479	781.01	26.24	-1016.06	24.45	-1014.27	-43.17	69.88	-65.85	0.95	3.08	67.86
	480	920.26	26.07	-1127.97	24.45	-1126.35	-43.17	34.73	-122.20	-31.82	-55.65	77.56	
	482	810.96	-296.21	-1128.60	-298.46	-1126.35	-43.17	-4.09	-74.42	-21.51	-57.00	30.36	
	88	617.36	-295.86	-1016.86	-298.46	-1014.27	-43.17	27.70	-14.71	11.26	1.73	20.66	
269	6	479	818.49	35.22	-972.87	29.89	-967.55	-73.09	75.35	-52.33	-3.15	26.16	62.14
	480	823.49	34.72	-1076.56	29.89	-1071.73	-73.09	43.48	-106.01	-34.57	-27.95	74.67	
	482	688.29	-302.68	-1078.67	-309.62	-1071.73	-73.09	9.20	-53.50	-20.53	-23.76	31.31	
	88	663.95	-301.60	-975.57	-309.62	-967.55	-73.09	41.77	-0.52	10.89	30.35	18.78	
269	7	479	812.06	23.00	-971.70	17.12	-965.82	-76.25	77.55	-55.08	-0.77	23.24	65.22
	480	806.19	22.48	-1067.23	17.12	-1061.87	-76.25	43.70	-107.91	-32.26	-31.95	75.81	
	482	701.09	-286.57	-1069.37	-294.07	-1061.87	-76.25	6.28	-57.57	-20.66	-30.62	31.53	
	88	654.52	-285.52	-974.36	-294.07	-965.82	-76.25	39.74	-4.35	10.83	24.56	20.94	
269	8	479	869.30	-29.86	-886.11	-30.17	-885.79	-16.37	124.72	-35.23	4.77	84.72	69.27
	480	841.12	-29.89	-965.78	-30.17	-965.50	-16.37	85.45	-84.75	-26.95	27.65	80.60	
	482	694.40	-165.38	-965.83	-165.71	-965.50	-16.37	42.91	-36.05	-15.36	22.22	34.73	
	88	747.96	-165.34	-886.16	-165.71	-885.79	-16.37	87.04	8.62	16.36	79.29	23.39	
269	9	479	633.57	9.03	-706.55	6.09	-703.61	-45.77	72.42	-48.68	-2.40	26.14	58.84
	480	624.81	8.76	-778.52	6.09	-775.85	-45.77	43.60	-93.16	-28.23	-21.33	68.29	
	482	507.50	-212.98	-779.57	-216.70	-775.85	-45.77	11.78	-48.41	-17.73	-18.90	30.08	
	88	506.23	-212.44	-707.87	-216.70	-703.61	-45.77	41.36	-4.71	8.10	28.56	20.64	
269	10	479	744.65	-17.81	-795.62	-18.59	-794.85	-24.51	97.77	-34.13	3.38	60.27	59.50
	480	722.22	-17.88	-866.09	-18.59	-865.38	-24.51	64.33	-78.16	-24.44	10.61	69.06	
	482	586.16	-166.11	-866.24	-166.97	-865.38	-24.51	27.37	-34.83	-14.53	7.08	29.16	
	88	632.26	-166.02	-795.80	-166.97	-794.85	-24.51	64.28	5.75	13.28	56.74	19.60	
269	11	479	585.88	21.34	-700.38	17.70	-696.74	-51.12	54.49	-37.84	-1.60	18.25	45.09
	480	585.98	21.01	-771.87	17.70	-768.56	-51.12	31.07	-76.30	-24.28	-20.95	53.66	

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		482	498.27	-211.32	-773.25	-216.01	-768.56	-51.12	5.67	-38.99	-14.74	-18.59	22.25
		88	475.65	-210.63	-702.11	-216.01	-696.74	-51.12	29.35	-0.79	7.95	20.61	13.67
270	1	481	759.28	345.12	-663.00	343.41	-661.29	41.46	87.17	-94.04	-20.71	13.84	88.94
		152	1146.96	344.44	-1326.18	343.41	-1325.15	41.46	97.05	-95.51	-12.85	14.38	95.31
		471	997.63	-11.25	-1326.46	-12.56	-1325.15	41.46	90.83	-99.24	-7.77	-0.64	94.96
		480	621.57	-9.92	-663.93	-12.56	-661.29	41.46	80.48	-97.30	-15.64	-1.18	88.59
270	2	481	791.56	238.10	-707.39	232.88	-702.17	70.04	108.25	-78.65	-19.09	48.68	87.09
		152	1272.21	235.77	-1465.42	232.88	-1462.53	70.04	123.29	-78.95	-9.62	53.96	95.99
		471	1114.69	-39.09	-1465.97	-42.54	-1462.53	70.04	115.34	-86.68	-2.72	31.38	99.56
		480	636.80	-35.18	-709.53	-42.54	-702.17	70.04	99.61	-85.70	-12.18	26.09	90.66
270	3	481	884.89	149.34	-763.31	142.26	-756.22	80.09	138.99	-61.92	-17.19	94.26	83.58
		152	1475.16	145.84	-1647.10	142.26	-1643.52	80.09	160.16	-62.77	-6.43	103.82	96.89
		471	1316.85	-48.74	-1647.54	-52.77	-1643.52	80.09	145.59	-72.49	3.80	69.30	104.01
		480	732.11	-43.76	-765.23	-52.77	-756.22	80.09	123.03	-70.25	-6.96	59.74	90.70
270	4	481	849.49	319.81	-714.13	313.77	-708.09	78.80	28.50	-94.64	2.52	-68.66	50.24
		152	1389.71	317.00	-1604.47	313.77	-1601.23	78.80	19.18	-90.46	-3.90	-67.38	44.70
		471	1293.83	9.38	-1605.09	5.53	-1601.23	78.80	13.32	-100.06	-10.90	-75.84	46.47
		480	750.64	14.12	-716.68	5.53	-708.09	78.80	22.64	-104.23	-4.47	-77.12	52.01
270	5	481	754.89	410.01	-664.54	402.50	-657.02	89.56	53.21	-83.91	-14.76	-15.95	68.56
		152	1246.80	406.78	-1468.93	402.50	-1464.65	89.56	56.14	-92.18	-14.81	-21.23	74.09
		471	1146.70	43.02	-1469.97	37.70	-1464.65	89.56	48.48	-92.56	-10.34	-33.74	69.55
		480	649.77	49.06	-668.38	37.70	-657.02	89.56	45.29	-84.03	-10.28	-28.46	64.02
270	6	481	725.10	418.63	-649.65	416.70	-647.72	45.41	51.56	-75.72	-27.38	3.22	61.77
		152	1144.08	417.88	-1337.23	416.70	-1336.06	45.41	67.51	-77.38	-17.63	7.76	71.33
		471	976.93	44.32	-1337.55	42.83	-1336.06	45.41	70.37	-78.33	-8.21	0.25	74.23
		480	558.20	45.80	-650.69	42.83	-647.72	45.41	53.91	-76.17	-17.96	-4.29	64.68
270	7	481	689.61	394.83	-635.31	392.64	-633.12	47.47	54.53	-71.98	-20.55	3.10	62.14
		152	1116.18	393.95	-1328.25	392.64	-1326.94	47.47	66.67	-73.76	-14.01	6.92	69.43
		471	976.34	33.04	-1328.60	31.39	-1326.94	47.47	66.28	-77.85	-7.46	-4.11	72.04
		480	560.99	34.76	-636.49	31.39	-633.12	47.47	53.86	-75.80	-14.00	-7.94	64.76
270	8	481	698.50	99.09	-593.20	93.24	-587.35	63.33	114.25	-47.32	-13.10	80.03	66.02
		152	1163.96	96.15	-1287.96	93.24	-1285.06	63.33	131.16	-47.95	-4.47	87.68	76.79
		471	1042.00	-42.27	-1288.29	-45.50	-1285.06	63.33	118.63	-55.48	3.77	59.38	82.49
		480	581.46	-38.19	-594.66	-45.50	-587.35	63.33	100.53	-53.67	-4.86	51.72	71.72
270	9	481	527.20	248.07	-471.60	246.70	-470.23	31.42	57.10	-63.35	-14.46	8.22	59.15
		152	810.48	247.52	-948.12	246.70	-947.30	31.42	64.50	-64.32	-9.11	9.28	63.75
		471	708.58	-3.39	-948.34	-4.44	-947.30	31.42	60.96	-67.34	-5.37	-1.01	64.12
		480	435.34	-2.33	-472.33	-4.44	-470.23	31.42	53.27	-66.07	-10.73	-2.08	59.51
270	10	481	595.61	139.16	-527.19	134.94	-522.97	52.87	85.19	-44.80	-12.50	52.89	56.17
		152	992.18	137.16	-1126.38	134.94	-1124.17	52.87	98.94	-45.51	-5.54	58.97	64.63
		471	879.02	-24.23	-1126.71	-26.78	-1124.17	52.87	90.99	-52.09	1.06	37.84	69.14
		480	484.72	-21.20	-528.54	-26.78	-522.97	52.87	76.47	-50.61	-5.91	31.77	60.69
270	11	481	509.19	288.91	-464.19	287.41	-462.69	33.61	37.31	-53.16	-18.17	2.32	44.06
		152	809.70	288.32	-954.27	287.41	-953.36	33.61	48.09	-54.25	-11.76	5.61	50.43
		471	697.66	27.48	-954.51	26.33	-953.36	33.61	49.59	-55.72	-5.62	-0.52	52.60
		480	400.95	28.63	-464.99	26.33	-462.69	33.61	38.49	-54.32	-12.02	-3.81	46.23
271	1	480	828.57	-19.94	-1094.05	-25.72	-1088.27	-78.61	60.17	-94.72	-17.85	-16.69	77.44
		471	862.12	-20.09	-1123.16	-25.72	-1117.53	-78.61	73.60	-93.12	-8.64	-10.88	83.35
		103	791.19	-325.26	-1125.33	-333.06	-1117.53	-78.61	73.01	-103.18	-4.08	-26.08	87.40
		482	772.14	-324.96	-1096.37	-333.06	-1088.27	-78.61	59.43	-104.62	-13.29	-31.90	81.50
271	2	480	911.10	-48.92	-1159.05	-53.09	-1154.88	-67.92	77.12	-82.13	-14.45	9.45	78.72
		471	945.76	-49.03	-1189.77	-53.09	-1185.71	-67.92	91.06	-79.67	-4.32	15.72	84.77
		103	855.99	-281.55	-1190.81	-286.65	-1185.71	-67.92	86.57	-91.74	-0.26	-4.91	89.12
		482	816.75	-281.37	-1160.16	-286.65	-1154.88	-67.92	72.29	-93.86	-10.39	-11.18	83.07
271	3	480	1048.62	-51.29	-1256.77	-59.33	-1248.73	-98.14	97.26	-65.93	-10.17	41.50	77.40
		471	1072.76	-51.36	-1268.38	-59.33	-1260.42	-98.14	112.59	-60.74	2.44	49.41	83.42
		103	977.76	-233.39	-1269.80	-242.76	-1260.42	-98.14	103.28	-75.35	5.69	22.25	88.93
		482	948.75	-233.28	-1258.22	-242.76	-1248.73	-98.14	87.29	-79.88	-6.92	14.34	82.90
271	4	480	1043.35	5.75	-1237.50	-3.54	-1228.21	-107.06	1.36	-109.44	-16.30	-91.78	40.56
		471	992.25	5.72	-1241.39	-3.54	-1232.13	-107.06	20.73	-83.41	0.66	-63.34	41.07
		103	960.90	-240.76	-1243.69	-252.32	-1232.13	-107.06	36.76	-110.67	-0.05	-73.87	63.81
		482	1016.17	-240.71	-1239.81	-252.32	-1228.21	-107.06	16.67	-135.98	-17.01	-102.31	63.30
271	5	480	885.87	31.02	-1130.65	27.80	-1127.43	-61.10	21.60	-89.65	-18.66	-49.39	53.46
		471	883.34	30.93	-1162.45	27.80	-1159.31	-61.10	42.97	-78.34	-4.17	-31.20	59.13
		103	845.44	-315.30	-1163.74	-319.72	-1159.31	-61.10	55.42	-97.40	0.59	-42.58	73.30
		482	852.79	-315.13	-1132.02	-319.72	-1127.43	-61.10	34.24	-108.91	-13.90	-60.77	67.63
271	6	480	780.58	37.75	-1079.94	31.30	-1073.50	-84.62	31.37	-74.44	-21.76	-21.30	52.91
		471	838.16	37.58	-1108.68	31.30	-1102.40	-84.62	56.43	-66.92	-6.91	-3.58	61.65
		103	767.59	-331.23	-1111.69	-340.52	-1102.40	-84.62	71.35	-79.88	1.73	-10.27	75.38
		482	728.20	-330.87	-1083.14	-340.52	-1073.50	-84.62	46.50	-87.60	-13.11	-27.99	66.63
271	7	480	770.99	27.03	-1070.73	19.87	-1063.56	-88.37	31.27	-75.45	-19.19	-24.98	53.28
		471	813.63	26.88	-1095.39	19.87	-1088.39	-88.37	54.19	-66.11	-4.69	-7.23	60.14

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		103	746.31	-314.97	-1098.49	-325.07	-1088.39	-88.37	66.61	-82.45	1.51	-17.35	73.93
		482	740.84	-314.64	-1073.99	-325.07	-1063.56	-88.37	43.93	-92.03	-13.00	-35.10	67.07
271	8	480	827.64	-43.36	-974.08	-49.80	-967.64	-77.15	80.84	-50.05	-7.02	37.81	61.48
		471	843.64	-43.42	-982.90	-49.80	-976.52	-77.15	91.52	-46.64	2.25	42.63	66.06
		103	767.50	-174.44	-983.94	-181.87	-976.52	-77.15	82.26	-57.17	4.55	20.54	69.26
		482	748.04	-174.36	-975.15	-181.87	-967.64	-77.15	70.98	-59.98	-4.73	15.72	64.68
271	9	480	580.61	-9.75	-782.19	-13.90	-778.05	-56.43	38.14	-64.62	-12.92	-13.56	51.38
		471	607.44	-9.85	-801.15	-13.90	-797.11	-56.43	49.49	-61.91	-5.29	-7.13	55.69
		103	559.20	-227.70	-802.70	-233.29	-797.11	-56.43	51.30	-70.58	-1.86	-17.41	60.44
		482	551.47	-227.51	-783.83	-233.29	-778.05	-56.43	39.92	-73.25	-9.49	-23.84	56.13
271	10	480	703.28	-27.18	-872.58	-32.57	-867.19	-67.28	58.21	-48.09	-8.65	18.77	51.35
		471	725.04	-27.24	-881.82	-32.57	-876.49	-67.28	70.79	-43.55	0.87	26.37	55.73
		103	662.39	-176.66	-882.96	-183.13	-876.49	-67.28	67.86	-54.86	3.57	9.44	61.29
		482	636.61	-176.58	-873.75	-183.13	-867.19	-67.28	54.99	-59.10	-5.96	1.84	56.91
271	11	480	554.58	22.29	-774.35	17.78	-769.84	-59.77	22.14	-53.36	-15.09	-16.12	37.75
		471	594.79	22.19	-793.11	17.78	-788.71	-59.77	39.94	-47.34	-4.33	-3.07	43.64
		103	546.18	-231.03	-795.11	-237.44	-788.71	-59.77	50.37	-57.62	1.37	-8.62	53.76
		482	527.36	-230.81	-776.47	-237.44	-769.84	-59.77	32.73	-63.79	-9.39	-21.67	47.87
272	1	483	608.48	200.04	-696.23	198.18	-694.38	-40.76	46.57	-39.62	0.61	6.34	43.00
		484	361.34	201.98	-239.97	198.18	-236.18	-40.76	29.95	-75.95	-13.16	-32.84	52.03
		486	244.12	-184.83	-268.53	-217.18	-236.18	-40.76	21.01	-55.23	-7.84	-26.38	36.97
		86	473.35	-213.72	-697.83	-217.18	-694.38	-40.76	37.52	-18.80	5.92	12.80	27.95
272	2	483	586.26	195.08	-692.71	192.91	-690.54	-43.81	43.07	-40.60	2.20	0.27	41.83
		484	353.93	197.37	-237.99	192.91	-233.53	-43.81	27.26	-72.83	-11.39	-34.18	48.73
		486	239.56	-177.70	-267.90	-212.07	-233.53	-43.81	18.15	-56.77	-7.55	-31.07	35.56
		86	452.40	-208.09	-694.52	-212.07	-690.54	-43.81	33.40	-23.98	6.04	3.38	28.66
272	3	483	562.34	200.04	-668.97	198.46	-667.38	-37.05	41.15	-41.29	2.61	-2.75	41.13
		484	358.78	201.62	-235.52	198.46	-232.36	-37.05	26.11	-71.62	-10.73	-34.78	47.36
		486	245.51	-185.65	-261.75	-215.05	-232.36	-37.05	17.23	-57.60	-7.38	-32.99	35.16
		86	426.28	-212.03	-670.40	-215.05	-667.38	-37.05	31.63	-26.63	5.96	-0.96	28.92
272	4	483	827.70	198.46	-669.71	196.80	-668.06	-37.84	107.38	-34.07	-16.06	89.37	47.15
		484	511.64	200.11	-235.92	196.80	-232.61	-37.84	61.07	-99.34	-31.20	-7.08	79.30
		486	329.69	-184.51	-262.38	-214.28	-232.61	-37.84	64.99	-32.19	-9.14	41.94	41.34
		86	752.69	-211.14	-671.19	-214.28	-668.06	-37.84	139.02	5.36	5.99	138.39	9.19
272	5	483	798.58	187.93	-787.74	182.64	-782.45	-71.66	77.49	-31.89	-7.04	52.64	45.83
		484	468.16	194.32	-256.87	182.64	-245.19	-71.66	45.45	-88.26	-22.97	-19.85	66.84
		486	307.98	-152.89	-300.83	-208.53	-245.19	-71.66	39.66	-39.48	-8.92	9.10	38.53
		86	693.92	-199.72	-791.26	-208.53	-782.45	-71.66	85.50	3.09	7.00	81.59	17.52
272	6	483	927.02	191.73	-1080.22	179.77	-1068.26	-122.75	62.72	-42.07	-3.27	23.92	50.60
		484	514.03	210.24	-314.74	179.77	-284.28	-122.75	40.10	-96.56	-21.03	-35.44	67.95
		486	372.87	-125.96	-379.45	-221.14	-284.28	-122.75	30.37	-60.06	-10.36	-19.33	44.99
		86	796.42	-203.71	-1085.69	-221.14	-1068.26	-122.75	55.81	-8.39	7.39	40.03	27.64
272	7	483	591.78	198.27	-663.39	196.83	-661.95	-35.22	47.01	-37.80	0.12	9.08	42.17
		484	356.18	199.71	-233.22	196.83	-230.34	-35.22	30.23	-74.57	-13.27	-31.07	51.64
		486	235.18	-185.79	-258.18	-213.63	-230.34	-35.22	21.61	-52.44	-7.57	-23.26	36.18
		86	459.96	-210.88	-664.70	-213.63	-661.95	-35.22	38.63	-15.91	5.83	16.89	26.71
272	8	483	424.61	152.75	-507.30	151.83	-506.37	-24.71	31.11	-31.33	2.12	-2.34	31.14
		484	273.28	153.68	-176.97	151.83	-175.11	-24.71	19.84	-53.90	-7.95	-26.11	35.74
		486	186.34	-145.21	-195.54	-165.64	-175.11	-24.71	13.52	-43.03	-5.40	-24.10	26.68
		86	322.70	-163.85	-508.15	-165.64	-506.37	-24.71	24.40	-20.06	4.67	-0.33	22.09
272	9	483	435.18	141.67	-498.43	140.11	-496.87	-31.57	33.25	-28.42	0.52	4.31	30.77
		484	257.20	143.30	-172.78	140.11	-169.60	-31.57	21.25	-54.41	-9.38	-23.79	37.14
		486	175.88	-128.57	-193.88	-152.85	-169.60	-31.57	14.56	-39.95	-5.68	-19.71	26.34
		86	338.25	-149.98	-499.74	-152.85	-496.87	-31.57	26.39	-13.78	4.21	8.40	19.98
272	10	483	409.56	141.66	-483.27	140.27	-481.87	-29.51	30.20	-29.31	1.63	-0.74	29.73
		484	255.83	143.07	-170.28	140.27	-167.47	-29.51	19.11	-52.01	-8.03	-24.87	34.54
		486	174.35	-129.02	-190.12	-151.67	-167.47	-29.51	12.47	-41.28	-5.43	-23.38	25.33
		86	312.08	-149.05	-484.49	-151.67	-481.87	-29.51	23.08	-18.10	4.23	0.75	20.52
272	11	483	612.02	136.95	-711.65	129.88	-704.58	-77.11	42.09	-29.64	-1.64	14.08	34.99
		484	343.40	147.20	-213.63	129.88	-196.32	-77.11	26.85	-65.83	-13.75	-25.24	45.98
		486	246.99	-95.86	-255.51	-155.05	-196.32	-77.11	19.66	-42.54	-7.08	-15.79	30.79
		86	517.26	-144.44	-715.20	-155.05	-704.58	-77.11	36.13	-7.59	5.02	23.52	19.81
273	1	485	751.45	932.55	-17.16	437.78	477.61	474.44	26.39	-38.17	-15.46	3.69	30.83
		32	1669.04	525.91	-2116.35	437.78	-2028.22	474.44	72.31	-20.51	5.74	46.05	41.81
		487	1581.08	272.71	-2126.05	174.89	-2028.22	474.44	76.69	-40.31	9.03	27.35	57.78
		484	803.01	824.24	-171.75	174.89	477.61	474.44	33.22	-60.41	-12.18	-15.01	46.80
273	2	485	725.74	911.21	-12.08	432.33	466.80	461.32	23.92	-36.59	-15.87	3.20	28.71
		32	1623.83	517.98	-2052.35	432.33	-1966.70	461.32	69.25	-19.84	4.77	44.64	39.84
		487	1532.66	262.01	-2062.19	166.52	-1966.70	461.32	73.04	-39.28	8.10	25.66	55.47
		484	775.54	801.80	-168.48	166.52	466.80	461.32	30.21	-58.53	-12.55	-15.78	44.34
273	3	485	718.88	904.54	-14.72	431.75	458.07	459.44	22.94	-36.18	-16.04	2.79	28.02
		32	1615.24	517.08	-2041.97	431.75	-1956.64	459.44	67.65	-19.56	4.51	43.59	38.99

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		487	1526.30	266.86	-2051.58	171.92	-1956.64	459.44	71.36	-38.70	7.78	24.89	54.36
		484	767.30	796.20	-166.21	171.92	458.07	459.44	29.09	-57.76	-12.77	-15.91	43.40
273	4	485	839.99	903.28	-15.33	429.14	458.81	459.07	55.74	-54.94	-4.46	5.26	55.13
		32	1602.79	514.41	-2042.13	429.14	-1956.85	459.07	80.67	-24.37	19.45	36.85	51.79
		487	1533.82	265.15	-2051.70	170.30	-1956.85	459.07	91.26	-36.78	17.76	36.72	63.32
		484	884.67	795.76	-166.64	170.30	458.81	459.07	66.38	-67.40	-6.15	5.13	66.65
273	5	485	806.41	941.48	6.73	452.28	495.93	466.87	41.95	-47.35	-9.92	4.52	44.06
		32	1608.03	539.03	-2060.32	452.28	-1973.57	466.87	76.00	-22.25	12.84	40.91	47.08
		487	1536.79	241.45	-2071.97	143.05	-1973.57	466.87	84.02	-38.60	13.30	32.12	60.58
		484	855.81	818.58	-179.60	143.05	495.93	466.87	50.76	-64.48	-9.45	-4.27	57.56
273	6	485	956.70	1179.20	11.30	529.51	660.99	580.24	37.64	-51.25	-16.79	3.18	43.31
		32	2013.11	637.57	-2586.12	529.51	-2478.06	580.24	84.50	-25.34	10.15	49.01	51.37
		487	1907.64	271.37	-2600.51	148.92	-2478.06	580.24	92.16	-46.37	12.34	33.45	68.45
		484	1022.61	1039.17	-229.26	148.92	660.99	580.24	46.92	-73.89	-14.60	-12.38	60.39
273	7	485	733.31	901.27	-17.25	426.89	457.13	459.01	27.10	-38.28	-14.48	3.30	31.46
		32	1609.72	512.11	-2045.31	426.89	-1960.09	459.01	69.69	-19.95	6.43	43.32	40.85
		487	1529.89	267.68	-2054.67	173.10	-1960.09	459.01	74.45	-38.69	9.15	26.62	55.89
		484	782.02	795.59	-165.36	173.10	457.13	459.01	33.93	-59.09	-11.76	-13.40	46.50
273	8	485	551.88	694.91	-15.82	325.00	354.10	355.07	17.12	-27.18	-12.31	2.24	20.92
		32	1249.65	391.02	-1584.56	325.00	-1518.54	355.07	51.67	-14.87	3.21	33.59	29.60
		487	1181.67	205.58	-1591.67	132.46	-1518.54	355.07	54.44	-29.46	5.84	19.14	41.42
		484	589.60	615.24	-128.68	132.46	354.10	355.07	21.83	-43.72	-9.68	-12.20	32.75
273	9	485	529.80	657.05	-8.08	314.23	334.74	332.41	18.98	-27.54	-10.99	2.44	22.27
		32	1168.32	375.90	-1477.63	314.23	-1415.97	332.41	51.11	-14.61	4.25	32.25	29.73
		487	1105.99	191.21	-1484.72	122.46	-1415.97	332.41	54.29	-28.61	6.44	19.23	40.95
		484	565.74	577.54	-120.34	122.46	334.74	332.41	23.81	-43.20	-8.80	-10.58	33.49
273	10	485	511.73	641.52	-6.76	310.88	323.89	324.08	17.06	-26.43	-11.31	1.94	20.71
		32	1138.43	370.99	-1436.31	310.88	-1376.20	324.08	48.52	-14.08	3.56	30.88	28.16
		487	1075.54	187.95	-1443.35	120.81	-1376.20	324.08	51.33	-27.72	5.75	17.86	39.06
		484	545.90	561.96	-117.26	120.81	323.89	324.08	21.51	-41.72	-9.13	-11.08	31.60
273	11	485	643.61	793.72	8.09	365.19	436.62	391.19	25.23	-34.81	-11.73	2.15	29.20
		32	1359.45	437.93	-1738.61	365.19	-1665.88	391.19	57.88	-17.29	6.70	33.89	35.04
		487	1287.38	190.46	-1748.31	108.03	-1665.88	391.19	62.88	-31.98	8.29	22.62	46.88
		484	687.34	696.61	-151.96	108.03	436.62	391.19	31.42	-50.68	-10.14	-9.12	41.05
274	1	484	587.44	322.38	-383.46	173.51	-234.58	287.95	18.50	-61.59	-13.00	-30.09	39.12
		487	1154.46	226.47	-1392.02	173.51	-1339.06	287.95	103.49	-8.61	14.41	80.46	45.28
		330	1042.23	-99.01	-1405.92	-165.88	-1339.06	287.95	143.27	-44.46	17.60	81.21	88.31
		486	740.61	89.76	-490.23	-165.88	-234.58	287.95	63.15	-102.30	-9.81	-29.34	82.15
274	2	484	568.64	307.17	-374.84	164.58	-232.26	277.33	14.63	-61.97	-14.31	-33.03	37.14
		487	1118.42	215.34	-1350.66	164.58	-1299.90	277.33	99.53	-7.73	14.04	77.76	43.14
		330	1008.98	-98.46	-1363.92	-162.48	-1299.90	277.33	138.83	-43.98	17.06	77.78	86.22
		486	722.24	82.15	-476.89	-162.48	-232.26	277.33	58.80	-103.09	-11.28	-33.01	80.21
274	3	484	570.91	314.51	-375.09	170.31	-230.88	280.45	13.12	-62.25	-14.80	-34.34	36.40
		487	1114.74	222.16	-1346.45	170.31	-1294.59	280.45	97.78	-7.54	13.78	76.45	42.32
		330	1001.50	-96.65	-1360.25	-162.31	-1294.59	280.45	136.98	-43.89	16.75	76.34	85.39
		486	723.09	85.94	-479.13	-162.31	-230.88	280.45	57.12	-103.40	-11.83	-34.45	79.46
274	4	484	611.23	312.58	-374.98	168.71	-231.10	279.68	64.43	-43.81	6.74	13.87	54.00
		487	1138.00	220.37	-1345.24	168.71	-1293.57	279.68	119.67	-20.67	11.96	87.04	59.29
		330	1068.12	-95.71	-1358.87	-161.02	-1293.57	279.68	156.76	-39.31	16.31	101.14	88.39
		486	711.15	85.81	-477.93	-161.02	-231.10	279.68	103.06	-64.00	11.09	27.97	83.10
274	5	484	573.55	273.84	-379.77	139.22	-245.14	264.32	41.79	-52.29	-3.09	-7.41	46.99
		487	1120.89	186.34	-1343.54	139.22	-1296.42	264.32	112.20	-15.21	12.82	84.17	52.78
		330	1045.89	-105.70	-1355.10	-164.38	-1296.42	264.32	150.59	-42.16	16.64	91.79	88.75
		486	703.18	62.63	-472.15	-164.38	-245.14	264.32	83.43	-82.49	0.73	0.21	82.96
274	6	484	662.75	307.85	-447.86	144.77	-284.78	310.88	30.42	-70.69	-11.90	-28.36	49.88
		487	1353.24	198.47	-1655.11	144.77	-1601.42	310.88	124.84	-14.74	15.11	95.00	57.23
		330	1255.80	-128.96	-1667.05	-194.59	-1601.42	310.88	171.38	-53.81	19.21	98.35	105.41
		486	842.06	74.45	-553.82	-194.59	-284.78	310.88	82.04	-114.85	-7.80	-25.01	98.06
274	7	484	575.08	316.45	-373.47	171.70	-228.72	280.92	19.66	-59.57	-11.95	-27.97	38.80
		487	1120.77	223.58	-1349.45	171.70	-1297.57	280.92	101.04	-9.03	13.79	78.22	44.62
		330	1012.86	-95.89	-1363.24	-161.56	-1297.57	280.92	139.93	-43.18	16.91	79.84	85.98
		486	721.14	87.77	-478.06	-161.56	-228.72	280.92	63.04	-98.22	-8.83	-26.35	80.15
274	8	484	437.25	244.71	-286.77	131.73	-173.80	217.44	9.97	-46.98	-11.24	-25.78	27.54
		487	862.40	171.98	-1042.99	131.73	-1002.74	217.44	74.58	-5.50	10.50	58.59	32.02
		330	775.93	-72.77	-1053.59	-123.61	-1002.74	217.44	104.78	-32.86	12.82	59.10	64.81
		486	553.17	70.18	-367.59	-123.61	-173.80	217.44	43.79	-77.97	-8.92	-25.26	60.33
274	9	484	414.97	223.75	-271.45	120.95	-168.65	200.85	12.96	-44.35	-9.40	-21.98	27.96
		487	809.45	157.77	-974.53	120.95	-937.71	200.85	73.54	-6.30	10.21	57.02	32.34
		330	730.95	-71.34	-984.27	-117.90	-937.71	200.85	101.83	-32.07	12.45	57.31	63.08
		486	524.37	59.17	-345.72	-117.90	-168.65	200.85	44.72	-73.58	-7.16	-21.70	58.70
274	10	484	405.84	219.39	-266.81	119.17	-166.60	196.68	9.97	-44.72	-10.40	-24.34	26.44
		487	787.35	155.38	-949.21	119.17	-913.00	196.68	70.36	-5.70	9.87	54.79	30.69

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		330	708.31	-70.03	-958.89	-115.92	-913.00	196.68	98.34	-31.76	11.98	54.60	61.46
		486	514.68	57.05	-339.56	-115.92	-166.60	196.68	41.37	-74.19	-8.28	-24.53	57.21
274	11	484	456.70	215.66	-307.21	104.99	-196.54	213.59	19.57	-49.39	-8.79	-21.02	33.93
		487	919.88	142.20	-1120.68	104.99	-1083.46	213.59	85.40	-9.71	10.60	65.10	38.97
		330	849.69	-88.03	-1129.29	-133.86	-1083.46	213.59	117.44	-37.27	13.35	66.83	72.58
		486	580.69	50.68	-381.07	-133.86	-196.54	213.59	55.20	-80.54	-6.05	-19.29	67.54
275	1	488	711.60	186.82	-820.42	164.13	-797.73	-149.47	38.44	-22.41	-1.38	17.42	28.94
		489	384.09	221.22	-227.21	164.13	-170.12	-149.47	17.06	-60.69	-13.20	-30.43	37.91
		491	267.87	20.85	-287.12	-96.15	-170.12	-149.47	7.27	-32.89	-7.24	-18.38	19.29
		118	616.70	-65.63	-828.25	-96.15	-797.73	-149.47	33.18	0.86	4.58	29.46	10.32
275	2	488	739.10	172.89	-843.92	149.08	-820.10	-153.78	44.05	-25.70	-2.47	20.82	32.87
		489	404.18	211.26	-231.22	149.08	-169.03	-153.78	18.90	-67.43	-15.76	-32.77	42.32
		491	281.47	29.47	-288.16	-89.66	-169.03	-153.78	7.36	-36.84	-9.47	-20.00	21.46
		118	647.75	-58.61	-851.16	-89.66	-820.10	-153.78	37.83	-0.43	3.81	33.59	12.01
275	3	488	739.92	182.32	-838.06	157.70	-813.44	-156.56	44.77	-27.42	-2.28	19.64	34.39
		489	412.46	220.54	-232.33	157.70	-169.49	-156.56	19.01	-69.22	-16.04	-34.17	43.17
		491	287.31	30.48	-292.05	-92.08	-169.49	-156.56	6.70	-39.47	-10.23	-22.54	22.25
		118	641.28	-59.57	-845.95	-92.08	-813.44	-156.56	36.74	-1.93	3.53	31.28	13.47
275	4	488	699.95	181.92	-831.63	157.30	-807.01	-156.06	38.14	-31.09	7.76	-0.72	-34.36
		489	344.21	219.56	-233.86	157.30	-171.59	-156.06	30.35	-11.06	13.33	5.97	-20.37
		491	266.29	29.08	-292.96	-92.29	-171.59	-156.06	43.37	7.15	22.95	27.57	-17.96
		118	577.04	-59.70	-839.60	-92.29	-807.01	-156.06	51.13	-12.85	17.39	20.88	-31.94
275	5	488	728.92	130.74	-975.97	101.89	-947.12	-176.34	19.47	-1.82	1.37	16.29	-7.60
		489	285.76	186.40	-266.07	101.89	-181.57	-176.34	3.61	-17.78	-2.37	-11.80	9.59
		491	238.16	54.79	-313.13	-76.77	-181.57	-176.34	13.28	8.68	9.22	12.73	-1.49
		118	711.07	-42.40	-981.49	-76.77	-947.12	-176.34	50.19	3.58	12.96	40.82	-18.68
275	6	488	668.41	147.46	-900.71	130.71	-883.96	-131.43	16.07	-11.53	3.91	0.64	13.70
		489	304.19	176.44	-247.11	130.71	-201.39	-131.43	10.05	-48.90	-6.16	-32.70	26.32
		491	227.92	-17.47	-295.32	-111.40	-201.39	-131.43	7.95	-26.96	1.64	-20.65	13.43
		118	598.24	-89.65	-905.71	-111.40	-883.96	-131.43	13.15	11.24	11.70	12.69	0.81
275	7	488	701.58	185.76	-811.32	162.80	-788.36	-149.55	36.48	-19.96	-1.27	17.78	26.56
		489	374.04	220.53	-224.61	162.80	-166.88	-149.55	16.11	-56.81	-12.36	-28.34	35.57
		491	261.25	23.72	-284.22	-93.63	-166.88	-149.55	7.22	-29.23	-6.31	-15.70	17.61
		118	610.94	-62.80	-819.18	-93.63	-166.88	-149.55	33.04	2.17	4.78	30.42	8.60
275	8	488	569.09	141.55	-644.40	122.73	-625.58	-120.16	34.38	-21.02	-1.67	15.04	26.41
		489	316.08	171.10	-175.78	122.73	-127.42	-120.16	14.71	-52.62	-12.17	-25.73	32.98
		491	220.91	24.39	-222.53	-70.73	-127.42	-120.16	5.69	-29.59	-7.72	-16.18	17.13
		118	494.71	-45.82	-650.48	-70.73	-625.58	-120.16	28.87	-1.50	2.78	24.59	10.56
275	9	488	507.52	129.46	-584.67	113.35	-568.56	-106.05	27.96	-16.13	-1.10	12.93	20.90
		489	274.32	153.98	-163.45	113.35	-122.82	-106.05	12.21	-44.08	-9.72	-22.15	27.45
		491	190.42	14.40	-204.79	-67.57	-122.82	-106.05	4.84	-23.97	-5.41	-13.72	13.79
		118	440.35	-46.05	-590.09	-67.57	-568.56	-106.05	23.90	0.67	3.20	21.36	7.25
275	10	488	523.23	126.96	-594.47	109.78	-577.29	-109.99	31.47	-18.91	-1.60	14.16	23.93
		489	290.10	153.60	-166.29	109.78	-122.47	-109.99	13.29	-48.81	-11.30	-24.23	30.37
		491	201.21	19.75	-207.53	-65.31	-122.47	-109.99	4.52	-27.62	-7.07	-16.03	15.44
		118	453.96	-42.69	-599.92	-65.31	-577.29	-109.99	25.85	-0.86	2.62	22.37	8.99
275	11	488	482.86	107.52	-629.20	94.79	-616.47	-96.03	15.19	-9.75	1.83	3.61	12.43
		489	229.84	129.04	-174.44	94.79	-140.19	-96.03	8.17	-37.39	-5.81	-23.41	21.01
		491	167.70	-6.87	-209.36	-76.05	-140.19	-96.03	5.06	-20.52	-0.48	-14.98	10.54
		118	429.72	-59.49	-633.02	-76.05	-616.47	-96.03	12.73	6.47	7.16	12.04	1.97
276	1	490	585.81	809.36	232.21	659.92	381.66	252.82	28.76	-49.10	-14.81	-5.54	38.65
		44	1188.86	694.40	-1193.70	659.92	-1159.21	252.82	41.43	-47.51	0.34	-6.43	44.34
		483	1025.11	315.56	-1202.55	272.22	-1159.21	252.82	42.05	-44.97	3.24	-6.16	43.25
		489	510.74	585.61	68.26	272.22	381.66	252.82	29.12	-46.30	-11.92	-5.26	37.57
276	2	490	609.50	790.05	229.92	632.45	387.52	251.87	38.06	-56.58	-14.35	-4.16	47.04
		44	1206.63	667.32	-1187.09	632.45	-1152.23	251.87	47.52	-52.91	6.86	-12.24	49.30
		483	1044.05	294.49	-1196.07	250.64	-1152.23	251.87	42.63	-50.32	7.62	-15.31	45.04
		489	530.62	580.08	58.08	250.64	387.52	251.87	32.49	-53.31	-13.59	-7.23	42.78
276	3	490	619.62	800.05	237.59	658.18	379.47	244.27	40.96	-59.02	-14.34	-3.72	49.70
		44	1206.50	691.20	-1148.59	658.18	-1115.56	244.27	49.33	-54.95	8.97	-14.59	50.80
		483	1032.95	299.19	-1157.74	257.01	-1115.56	244.27	42.30	-52.62	8.96	-19.28	45.31
		489	526.01	570.07	66.41	257.01	379.47	244.27	32.94	-55.70	-14.36	-8.41	44.22
276	4	490	748.53	797.27	234.89	653.67	378.48	245.23	53.62	-91.96	-16.07	-22.28	-72.72
		44	1417.31	686.98	-1151.38	653.67	-1118.07	245.23	71.76	-79.47	-75.03	67.32	-25.53
		483	1243.35	298.85	-1160.51	256.41	-1118.07	245.23	115.52	-46.72	-45.63	114.43	13.25
		489	470.46	570.16	64.74	256.41	378.48	245.23	53.51	-15.35	13.33	24.83	-33.95
276	5	490	566.55	795.86	211.03	553.63	453.26	288.07	3.80	-33.98	-15.19	-14.99	-18.89
		44	1293.63	597.14	-1353.42	553.63	-1309.90	288.07	33.37	-38.54	-37.36	32.19	9.14
		483	1151.38	249.13	-1363.13	195.90	-1309.90	288.07	68.69	-29.59	-20.03	59.13	29.12
		489	445.76	640.09	9.08	195.90	453.26	288.07	12.08	2.02	2.14	11.96	1.10
276	6	490	596.49	899.24	130.95	520.27	509.92	384.11	0.28	-30.68	-18.02	-12.38	15.22
		44	1472.19	582.87	-1836.68	520.27	-1774.08	384.11	32.06	-41.34	-17.95	8.67	34.20

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		483	1380.10	349.21	-1843.57	279.73	-1774.08	384.11	51.05	-38.35	-7.07	19.77	42.64
		489	624.93	795.81	-6.16	279.73	509.92	384.11	19.63	-28.05	-7.14	-1.28	23.66
276	7	490	559.86	795.28	232.91	658.34	369.85	241.37	24.72	-45.04	-14.49	-5.83	34.61
		44	1136.05	690.79	-1136.85	658.34	-1104.40	241.37	38.39	-44.22	-1.85	-3.98	41.29
		483	968.93	306.04	-1145.71	264.73	-1104.40	241.37	41.24	-41.70	1.72	-2.19	41.43
		489	485.24	564.32	70.27	264.73	369.85	241.37	27.44	-42.39	-10.92	-4.04	34.75
276	8	490	476.90	617.33	184.92	511.04	291.21	186.18	31.74	-45.31	-10.87	-2.70	38.31
		44	925.17	536.07	-873.68	511.04	-848.65	186.18	37.88	-42.19	7.22	-11.53	38.92
		483	789.27	231.23	-880.75	199.13	-848.65	186.18	32.18	-40.37	7.08	-15.27	34.51
		489	402.17	436.96	53.38	199.13	291.21	186.18	25.25	-42.69	-11.01	-6.44	33.89
276	9	490	415.95	568.82	162.27	460.07	271.02	179.96	21.01	-35.55	-10.61	-3.93	28.08
		44	844.26	484.78	-850.76	460.07	-826.05	179.96	29.98	-34.22	0.58	-4.82	31.99
		483	730.19	219.56	-857.03	188.59	-826.05	179.96	30.20	-32.42	2.55	-4.77	31.09
		489	364.96	414.42	45.18	188.59	271.02	179.96	21.03	-33.55	-8.64	-3.88	27.19
276	10	490	434.87	563.60	165.31	459.11	269.80	175.21	27.79	-41.06	-10.35	-2.92	34.22
		44	854.02	483.00	-825.70	459.11	-801.80	175.21	34.34	-38.32	5.37	-9.35	35.57
		483	734.54	210.47	-832.13	180.14	-801.80	175.21	30.28	-36.61	5.73	-12.06	32.24
		489	373.50	405.83	44.11	180.14	269.80	175.21	23.15	-38.77	-9.99	-5.63	30.88
276	11	490	420.75	616.08	108.68	382.49	342.27	252.90	5.18	-25.31	-12.39	-7.73	15.06
		44	995.74	422.71	-1207.86	382.49	-1167.65	252.90	24.16	-30.17	-9.58	3.57	26.36
		483	927.27	238.25	-1213.14	192.76	-1167.65	252.90	34.64	-28.18	-3.17	9.63	30.75
		489	428.24	531.23	3.80	192.76	342.27	252.90	15.75	-23.40	-5.98	-1.67	19.46
277	1	489	327.02	267.90	-167.96	267.61	-167.66	-11.28	15.45	-53.61	-9.66	-28.50	33.22
		483	616.67	267.75	-686.83	267.61	-686.70	-11.28	43.62	-39.13	-0.48	4.96	41.28
		86	519.50	-158.44	-686.94	-158.68	-686.70	-11.28	63.73	-45.18	4.65	13.90	54.26
		491	248.17	-151.03	-175.31	-158.68	-167.66	-11.28	34.76	-58.85	-4.53	-19.56	46.20
277	2	489	328.53	245.94	-167.54	245.46	-167.06	-14.04	21.41	-57.63	-7.72	-28.49	38.13
		483	593.74	245.68	-684.07	245.46	-683.85	-14.04	44.12	-44.48	0.89	-1.26	44.28
		86	501.16	-152.80	-684.23	-153.18	-683.85	-14.04	59.44	-50.15	4.69	4.59	54.80
		491	257.47	-144.46	-175.78	-153.18	-167.06	-14.04	36.25	-62.82	-3.92	-22.65	48.64
277	3	489	335.15	252.32	-168.59	251.47	-167.74	-18.88	22.53	-59.72	-7.55	-29.65	39.61
		483	587.59	251.86	-661.09	251.47	-660.70	-18.88	43.69	-46.43	1.42	-4.16	44.97
		86	481.66	-156.02	-661.41	-156.73	-660.70	-18.88	57.20	-52.42	4.63	0.15	54.77
		491	262.64	-142.57	-181.90	-156.73	-167.74	-18.88	35.67	-65.35	-4.34	-25.34	49.41
277	4	489	313.38	251.59	-170.42	250.92	-169.75	-16.76	18.07	-54.05	-23.27	-12.71	-35.67
		483	802.62	251.23	-661.58	250.92	-661.27	-16.76	88.06	-16.79	-16.71	87.97	-3.04
		86	784.24	-154.74	-661.83	-155.29	-661.27	-16.76	149.27	-3.64	5.92	139.70	37.03
		491	192.39	-144.26	-180.78	-155.29	-169.75	-16.76	39.51	-1.13	-0.65	39.03	4.40
277	5	489	226.92	190.13	-180.58	189.80	-180.25	-11.04	-12.24	-18.64	-13.56	-17.33	-2.58
		483	746.78	189.93	-778.19	189.80	-778.07	-11.04	56.26	-14.87	-8.91	50.30	19.71
		86	729.14	-142.51	-778.26	-142.70	-778.07	-11.04	105.53	-15.59	6.31	83.63	46.61
		491	189.37	-139.70	-183.26	-142.70	-180.25	-11.04	34.19	-16.52	1.66	16.00	24.32
277	6	489	365.71	287.48	-201.97	280.40	-194.89	58.46	-2.69	-48.56	-14.33	-36.92	19.96
		483	886.34	282.94	-1060.67	280.40	-1058.12	58.46	48.03	-29.39	-3.83	22.47	36.41
		86	790.80	-149.00	-1061.88	-152.76	-1058.12	58.46	86.21	-38.16	6.71	41.34	59.73
		491	309.53	-111.69	-235.96	-152.76	-194.89	58.46	32.94	-54.79	-3.79	-18.05	43.28
277	7	489	310.30	260.22	-165.43	259.63	-164.84	-15.89	13.34	-50.01	-9.78	-26.89	30.50
		483	599.67	259.90	-655.03	259.63	-654.75	-15.89	42.71	-35.97	-0.97	7.70	39.10
		86	509.90	-155.95	-655.26	-156.45	-654.75	-15.89	64.27	-41.68	4.59	17.99	52.55
		491	236.31	-144.21	-177.07	-156.45	-164.84	-15.89	33.98	-54.79	-4.22	-16.59	43.95
277	8	489	255.32	195.72	-126.90	194.94	-126.12	-15.86	17.61	-45.45	-5.61	-22.23	30.42
		483	448.19	195.30	-501.49	194.94	-501.13	-15.86	33.33	-35.51	1.22	-3.39	34.34
		86	366.79	-120.70	-501.79	-121.36	-501.13	-15.86	43.67	-39.52	3.66	0.49	41.57
		491	202.17	-107.70	-139.78	-121.36	-126.12	-15.86	27.64	-49.16	-3.17	-18.35	37.64
277	9	489	232.86	185.30	-121.30	185.12	-121.12	-7.32	11.27	-38.68	-6.83	-20.58	24.01
		483	437.88	185.20	-491.74	185.12	-491.66	-7.32	31.29	-28.27	-0.29	3.30	29.72
		86	370.60	-110.91	-491.80	-111.06	-491.66	-7.32	45.35	-32.85	3.30	9.20	38.99
		491	179.98	-107.21	-124.97	-111.06	-121.12	-7.32	24.80	-42.73	-3.25	-14.68	33.28
277	10	489	237.47	176.60	-121.61	176.16	-121.16	-11.54	15.20	-42.08	-5.66	-21.22	27.56
		483	418.19	176.36	-477.42	176.16	-477.22	-11.54	31.30	-32.30	0.76	-1.76	31.77
		86	349.39	-109.61	-477.58	-109.97	-477.22	-11.54	41.70	-36.86	3.28	1.56	39.27
		491	186.46	-102.74	-128.39	-109.97	-121.16	-11.54	25.31	-46.34	-3.14	-17.89	35.06
277	11	489	254.44	195.20	-139.22	192.22	-136.25	31.43	1.09	-35.78	-9.43	-25.26	16.65
		483	585.48	193.33	-699.11	192.22	-698.00	31.43	33.50	-22.62	-2.15	13.03	27.02
		86	518.62	-106.10	-699.67	-107.77	-698.00	31.43	57.64	-28.76	4.44	24.44	42.03
		491	213.97	-87.51	-156.51	-107.77	-136.25	31.43	23.79	-40.47	-2.84	-13.84	31.65
278	1	492	515.59	56.03	-644.79	45.47	-634.24	-85.37	27.61	-7.97	1.05	18.59	15.48
		493	208.75	77.09	-185.02	45.47	-153.40	-85.37	6.36	-34.75	-8.28	-20.11	19.69
		495	137.07	-11.32	-204.70	-62.61	-153.40	-85.37	-2.17	-12.64	-4.93	-9.87	4.62
		131	485.71	-50.14	-646.71	-62.61	-634.24	-85.37	28.83	4.39	4.40	28.83	0.40
278	2	492	532.53	40.64	-657.61	30.85	-647.83	-82.07	31.06	-9.24	-0.98	22.80	16.27
		493	213.06	62.06	-185.01	30.85	-153.81	-82.07	8.11	-35.76	-9.67	-17.98	21.54

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		495	143.84	-11.97	-201.30	-59.47	-153.81	-82.07	0.07	-11.13	-5.53	-5.54	5.60
		131	512.68	-48.23	-659.06	-59.47	-647.83	-82.07	35.25	3.16	3.16	35.24	0.33
278	3	492	564.60	38.99	-681.10	27.77	-669.88	-89.18	35.90	-11.62	-2.80	27.08	18.47
		493	235.83	64.37	-189.55	27.77	-152.94	-89.18	10.23	-39.86	-11.79	-17.83	24.86
		495	160.87	-2.90	-205.95	-55.91	-152.94	-89.18	2.35	-12.61	-6.85	-3.41	7.28
		131	547.64	-43.22	-682.57	-55.91	-669.88	-89.18	41.53	2.13	2.15	41.51	0.89
278	4	492	896.79	40.70	-676.47	28.83	-664.60	-91.50	66.00	-122.84	60.47	-117.30	-31.86
		493	532.03	66.28	-194.71	28.83	-157.26	-91.50	78.77	-85.57	48.12	-54.93	-64.01
		495	506.52	-1.68	-211.07	-55.50	-157.26	-91.50	35.06	-122.33	25.06	-112.33	-38.40
		131	951.44	-42.05	-678.05	-55.50	-664.60	-91.50	37.58	-174.89	37.40	-174.71	-6.24
278	5	492	831.47	-7.75	-763.11	-17.24	-753.62	-84.13	50.81	-94.05	46.99	-90.23	-23.21
		493	426.86	20.30	-205.77	-17.24	-168.23	-84.13	59.61	-66.18	37.73	-44.30	-47.68
		495	424.19	-5.47	-211.71	-48.96	-168.23	-84.13	27.48	-94.59	20.25	-87.37	-28.81
		131	889.55	-39.05	-763.53	-48.96	-753.62	-84.13	29.62	-133.41	29.51	-133.30	-4.34
278	6	492	657.44	84.86	-676.99	74.58	-666.71	-87.89	30.13	-50.06	29.95	-49.89	3.75
		493	329.71	101.73	-209.87	74.58	-182.71	-87.89	18.19	-45.48	17.29	-44.58	-7.50
		495	312.73	-30.98	-233.62	-81.89	-182.71	-87.89	9.19	-67.69	8.89	-67.39	-4.76
		131	643.77	-68.97	-679.64	-81.89	-666.71	-87.89	22.00	-73.14	21.55	-72.70	6.49
278	7	492	500.53	51.37	-643.65	40.78	-633.06	-85.11	23.98	-5.98	2.48	15.53	13.49
		493	192.54	73.05	-183.73	40.78	-151.46	-85.11	4.50	-31.46	-6.72	-20.24	16.66
		495	143.42	-9.47	-202.48	-60.48	-151.46	-85.11	-3.18	-12.48	-4.09	-11.57	2.76
		131	471.88	-48.10	-645.45	-60.48	-633.06	-85.11	24.20	5.10	5.11	24.19	-0.42
278	8	492	436.31	29.65	-522.94	21.25	-514.54	-67.61	28.43	-9.18	-2.45	21.70	14.41
		493	181.93	49.24	-142.07	21.25	-114.07	-67.61	8.46	-30.70	-9.27	-12.97	19.49
		495	125.46	-1.84	-154.81	-42.58	-114.07	-67.61	3.35	-9.31	-5.25	-0.72	5.91
		131	426.17	-33.08	-524.03	-42.58	-514.54	-67.61	33.97	1.55	1.58	33.95	0.84
278	9	492	368.26	37.68	-462.91	30.11	-455.34	-61.11	19.49	-5.53	0.82	13.14	10.89
		493	147.96	52.80	-134.46	30.11	-111.77	-61.11	4.28	-24.75	-5.86	-14.62	13.84
		495	100.39	-8.14	-147.80	-44.17	-111.77	-61.11	-1.97	-9.35	-3.55	-7.77	3.03
		131	346.86	-35.28	-464.23	-44.17	-455.34	-61.11	19.98	3.13	3.13	19.98	0.08
278	10	492	395.49	28.22	-483.09	20.28	-475.14	-63.22	24.06	-7.52	-1.32	17.85	12.55
		493	163.01	45.70	-136.95	20.28	-111.52	-63.22	6.36	-27.52	-7.81	-13.35	16.71
		495	109.94	-3.45	-148.51	-40.44	-111.52	-63.22	0.12	-8.91	-4.62	-4.18	4.51
		131	381.25	-31.43	-484.15	-40.44	-475.14	-63.22	27.03	1.88	1.88	27.03	0.34
278	11	492	428.22	53.69	-480.80	46.28	-473.38	-62.51	17.33	-25.36	16.88	-24.91	4.37
		493	207.92	66.38	-148.15	46.28	-128.06	-62.51	8.39	-28.26	8.34	-28.21	-1.26
		495	197.79	-19.04	-163.90	-54.88	-128.06	-62.51	4.23	-39.83	4.13	-39.72	-2.18
		131	415.12	-45.74	-482.52	-54.88	-473.38	-62.51	12.91	-36.66	12.66	-36.42	3.46
279	1	494	425.35	569.18	17.71	220.97	365.92	266.04	6.28	-24.43	-12.59	-5.55	14.95
		56	998.97	267.14	-1312.04	220.97	-1265.87	266.04	20.82	-25.80	-7.00	2.03	22.87
		488	958.35	155.96	-1315.65	106.18	-1265.87	266.04	28.51	-23.67	-2.39	7.23	25.64
		493	448.13	532.09	-60.00	106.18	365.92	266.04	13.96	-22.29	-7.98	-0.35	17.72
279	2	494	436.97	568.78	-15.78	177.63	375.37	275.05	5.34	-25.01	-13.71	-5.96	14.67
		56	1000.06	227.15	-1349.89	177.63	-1300.36	275.05	22.07	-28.23	-10.58	4.42	24.01
		488	968.46	140.30	-1352.87	87.79	-1300.36	275.05	32.60	-25.88	-5.00	11.72	28.02
		493	468.58	541.95	-78.79	87.79	375.37	275.05	15.88	-22.67	-8.14	1.35	18.68
279	3	494	452.53	572.48	-6.09	185.26	381.13	272.20	9.46	-28.97	-14.00	-5.51	18.74
		56	1007.45	233.86	-1339.42	185.26	-1290.83	272.20	24.65	-30.98	-9.21	2.88	27.16
		488	969.98	133.88	-1342.83	81.87	-1290.83	272.20	33.90	-28.26	-4.14	9.78	30.29
		493	481.63	542.12	-79.11	81.87	381.13	272.20	18.70	-26.24	-8.94	1.39	21.87
279	4	494	633.13	572.00	-4.22	188.62	379.15	271.91	53.05	-64.17	0.49	-11.60	-58.30
		56	1067.28	237.19	-1333.61	188.62	-1285.04	271.91	47.25	-42.54	1.69	3.02	-44.89
		488	986.74	134.86	-1337.11	82.79	-1285.04	271.91	39.34	-40.28	7.11	-8.06	-39.08
		493	630.03	540.63	-78.69	82.79	379.15	271.91	46.02	-62.79	5.90	-22.68	-52.49
279	5	494	697.42	630.12	-136.29	51.39	442.44	329.57	42.74	-63.44	-6.86	-13.84	-52.98
		56	1213.41	117.78	-1584.74	51.39	-1518.35	329.57	33.97	-37.24	-17.41	14.14	-31.91
		488	1173.02	104.44	-1585.29	37.51	-1518.35	329.57	26.68	-18.95	-6.77	14.50	-20.18
		493	656.43	626.76	-146.82	37.51	442.44	329.57	37.29	-46.99	3.79	-13.48	-41.25
279	6	494	461.59	659.30	19.02	277.92	400.41	314.23	-5.08	-12.98	-8.44	-9.61	-3.91
		56	1148.99	333.49	-1498.86	277.92	-1443.29	314.23	5.55	-11.12	-1.10	-4.47	8.16
		488	1130.64	229.78	-1502.31	170.76	-1443.29	314.23	9.70	-14.11	4.45	-8.86	9.87
		493	457.71	620.14	-48.97	170.76	400.41	314.23	-2.48	-14.42	-2.90	-14.00	-2.20
279	7	494	407.48	559.40	13.38	209.93	362.85	262.09	3.30	-21.11	-12.15	-5.67	11.77
		56	974.36	255.62	-1293.48	209.93	-1247.80	262.09	18.27	-22.73	-7.24	2.77	19.88
		488	935.34	145.90	-1297.08	96.61	-1247.80	262.09	26.27	-20.95	-2.55	7.87	23.03
		493	432.54	523.68	-64.23	96.61	362.85	262.09	11.29	-19.32	-7.45	-0.57	14.92
279	8	494	350.39	440.51	-3.96	142.45	294.11	208.90	7.98	-22.70	-10.66	-4.06	14.98
		56	776.27	179.67	-1029.80	142.45	-992.58	208.90	19.24	-24.09	-6.92	1.92	21.22
		488	746.76	102.56	-1032.42	62.71	-992.58	208.90	26.11	-21.86	-3.00	7.25	23.43
		493	372.09	417.21	-60.39	62.71	294.11	208.90	14.86	-20.48	-6.88	1.26	17.19
279	9	494	300.93	403.39	8.46	151.61	260.24	189.85	3.79	-17.06	-9.15	-4.11	10.12
		56	706.81	184.81	-934.04	151.61	-900.84	189.85	14.66	-18.27	-5.50	1.90	16.04

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		488	679.19	107.93	-936.57	72.20	-900.84	189.85	20.58	-16.82	-2.05	5.81	18.28
		493	318.79	378.08	-45.63	72.20	260.24	189.85	9.70	-15.60	-5.70	-0.20	12.35
279	10	494	316.12	405.27	-4.81	131.77	268.70	193.27	5.56	-19.58	-9.93	-4.09	12.22
		56	711.55	166.32	-949.26	131.77	-914.70	193.27	16.80	-21.16	-6.73	2.37	18.43
		488	685.67	95.67	-951.67	58.70	-914.70	193.27	23.58	-19.38	-3.02	7.22	20.86
		493	337.43	383.65	-56.25	58.70	268.70	193.27	12.34	-17.80	-6.23	0.77	14.66
279	11	494	309.66	453.22	9.43	183.24	279.41	216.62	-6.18	-7.04	-6.85	-6.37	-0.36
		56	789.67	221.67	-1037.83	183.24	-999.40	216.62	5.91	-9.84	-2.22	-1.71	7.87
		488	774.11	148.95	-1040.27	108.08	-999.40	216.62	9.14	-10.52	1.75	-3.13	9.52
		493	303.88	426.69	-39.20	108.08	279.41	216.62	-2.56	-8.10	-2.88	-7.79	1.29
280	1	493	204.37	105.76	-152.63	103.20	-150.07	25.59	-0.80	-31.65	-11.04	-21.41	14.53
		488	621.24	103.93	-800.23	103.20	-799.51	25.59	31.49	-14.86	-0.65	17.28	21.37
		118	602.78	-63.97	-800.40	-64.86	-799.51	25.59	55.50	-21.57	4.28	29.65	36.39
		495	197.81	-57.77	-157.17	-64.86	-150.07	25.59	22.00	-37.16	-6.11	-9.05	29.55
280	2	493	197.35	89.32	-154.93	84.93	-150.54	32.46	0.15	-31.40	-12.13	-19.12	15.38
		488	639.20	86.09	-823.28	84.93	-822.12	32.46	34.54	-17.00	-2.47	20.01	23.20
		118	632.75	-57.71	-823.49	-59.08	-822.12	32.46	60.21	-22.71	3.18	34.33	38.43
		495	203.97	-48.73	-160.89	-59.08	-150.54	32.46	24.98	-36.27	-6.49	-4.80	30.61
280	3	493	195.84	81.41	-153.00	78.48	-150.08	26.04	4.03	-33.11	-11.54	-17.55	18.33
		488	631.52	79.23	-816.96	78.48	-816.20	26.04	35.72	-20.12	-2.78	18.39	25.84
		118	627.76	-57.91	-817.09	-58.80	-816.20	26.04	60.03	-24.99	2.68	32.37	39.83
		495	202.90	-51.90	-156.98	-58.80	-150.08	26.04	27.52	-37.17	-6.08	-3.57	32.32
280	4	493	394.29	82.40	-157.57	79.29	-154.46	27.11	9.31	-112.54	-15.65	-87.58	-49.19
		488	621.30	80.12	-810.54	79.29	-809.71	27.11	64.83	-27.62	23.50	13.72	-45.97
		118	528.75	-58.36	-810.69	-59.33	-809.71	27.11	27.43	6.34	24.58	9.20	-7.22
		495	317.16	-52.15	-161.65	-59.33	-154.46	27.11	-13.19	-93.47	-14.58	-92.09	-10.44
280	5	493	314.59	50.45	-180.18	35.21	-164.93	57.30	-1.19	-95.21	-21.67	-74.72	-38.81
		488	727.36	38.53	-952.63	35.21	-949.30	57.30	50.27	-11.09	12.77	26.41	-29.91
		118	684.34	-42.87	-952.92	-46.49	-949.30	57.30	36.93	13.72	18.00	32.66	9.00
		495	271.53	-23.31	-188.12	-46.49	-164.93	57.30	-16.45	-68.48	-16.45	-68.48	0.10
280	6	493	327.63	175.66	-183.26	169.87	-177.47	45.24	-13.23	-60.33	-13.32	-60.23	-2.08
		488	657.99	171.81	-882.26	169.87	-880.32	45.24	13.33	3.75	11.10	5.98	4.05
		118	584.90	-87.20	-882.90	-89.78	-880.32	45.24	41.10	-18.07	14.49	8.54	29.43
		495	289.07	-70.63	-196.62	-89.78	-177.47	45.24	-0.44	-67.16	-9.93	-57.67	23.30
280	7	493	195.77	95.86	-150.89	93.37	-148.40	24.67	-3.67	-29.96	-11.22	-22.42	11.89
		488	611.75	94.05	-791.32	93.37	-790.63	24.67	29.70	-11.82	-0.18	18.06	18.65
		118	597.11	-61.21	-791.47	-62.05	-790.63	24.67	54.14	-19.18	4.69	30.27	34.36
		495	190.47	-55.50	-154.95	-62.05	-148.40	24.67	19.39	-35.94	-6.35	-10.21	27.60
280	8	493	147.81	62.48	-114.11	60.24	-111.87	19.75	4.08	-25.14	-8.57	-12.49	14.48
		488	485.54	60.81	-628.34	60.24	-627.77	19.75	27.62	-15.77	-2.14	14.00	20.14
		118	484.33	-44.16	-628.44	-44.83	-627.77	19.75	46.41	-18.84	2.08	25.49	30.45
		495	152.78	-39.45	-117.25	-44.83	-111.87	19.75	22.18	-27.52	-4.35	-1.00	24.79
280	9	493	145.94	71.82	-111.42	69.88	-109.48	18.74	-1.22	-22.69	-8.18	-15.72	10.05
		488	442.79	70.43	-570.40	69.88	-569.85	18.74	22.64	-10.39	-0.58	12.83	15.09
		118	430.91	-44.98	-570.52	-45.65	-569.85	18.74	40.00	-15.52	2.99	21.49	26.18
		495	143.41	-40.56	-114.57	-45.65	-109.48	18.74	15.34	-27.02	-4.61	-7.07	21.14
280	10	493	140.96	58.29	-111.63	56.14	-109.48	18.99	1.41	-23.45	-8.46	-13.58	12.16
		488	448.44	56.71	-579.69	56.14	-579.13	18.99	24.99	-13.31	-1.77	13.45	17.57
		118	444.78	-41.61	-579.80	-42.29	-579.13	18.99	42.52	-17.42	2.10	23.00	28.09
		495	145.98	-37.29	-114.48	-42.29	-109.48	18.99	18.37	-26.99	-4.59	-4.03	22.68
280	11	493	212.88	110.65	-128.43	106.92	-124.70	29.66	-9.43	-37.32	-9.45	-37.29	0.83
		488	457.64	108.13	-615.96	106.92	-614.75	29.66	11.73	0.77	5.94	6.56	5.47
		118	413.88	-57.92	-616.33	-59.50	-614.75	29.66	31.53	-13.11	8.66	9.76	22.31
		495	192.36	-48.02	-136.17	-59.50	-124.70	29.66	1.94	-42.75	-6.73	-34.08	17.67
281	1	496	795.52	-53.33	-1073.69	-74.52	-1052.50	-145.50	40.05	2.95	7.76	35.23	12.47
		497	244.87	42.22	-255.87	-74.52	-139.14	-145.50	3.29	-29.10	-9.50	-16.31	15.83
		499	224.30	102.60	-226.71	15.03	-139.14	-145.50	-5.52	-15.65	-7.49	-13.68	-4.01
		327	805.96	34.51	-1071.98	15.03	-1052.50	-145.50	39.68	7.95	9.77	37.87	-7.37
281	2	496	793.65	-57.52	-1071.75	-77.38	-1051.89	-140.54	39.60	2.80	6.71	35.69	11.34
		497	234.87	34.96	-253.19	-77.38	-140.85	-140.54	2.67	-26.92	-9.92	-14.33	14.63
		499	218.41	96.50	-224.07	13.29	-140.85	-140.54	-4.62	-14.47	-7.89	-11.20	-4.64
		327	807.50	31.52	-1070.12	13.29	-1051.89	-140.54	40.78	6.78	8.74	38.82	-7.92
281	3	496	799.80	-65.08	-1082.91	-84.12	-1063.87	-137.89	39.34	2.46	5.66	36.14	10.38
		497	228.45	28.25	-253.33	-84.12	-140.96	-137.89	2.44	-24.96	-10.11	-12.41	13.65
		499	213.95	94.91	-221.57	14.30	-140.96	-137.89	-3.23	-13.37	-8.00	-8.60	-5.06
		327	819.19	31.65	-1081.23	14.30	-1063.87	-137.89	41.98	5.73	7.76	39.95	-8.34
281	4	496	789.28	-65.67	-1080.48	-85.83	-1060.32	-141.60	75.57	-35.13	31.31	9.12	54.23
		497	450.61	28.84	-260.70	-85.83	-146.04	-141.60	21.41	-117.47	-5.79	-90.27	55.11
		499	367.30	97.17	-228.48	14.72	-146.04	-141.60	-3.34	-101.86	-6.37	-98.83	17.03
		327	760.66	33.06	-1078.65	14.72	-1060.32	-141.60	37.74	-6.45	30.73	0.57	16.15
281	5	496	790.27	-67.91	-1084.39	-82.67	-1069.62	-121.60	69.55	-27.54	26.04	15.97	48.28
		497	390.27	7.37	-246.89	-82.67	-156.84	-121.60	17.56	-103.42	-8.98	-76.89	50.06

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		499	327.01	68.18	-222.56	2.47	-156.84	-121.60	-6.27	-86.93	-8.96	-84.24	14.50
		327	732.82	16.09	-1083.24	2.47	-1069.62	-121.60	32.76	1.92	26.05	8.62	12.72
281	6	496	801.99	-14.14	-1060.94	-36.39	-1038.70	-150.96	62.80	-18.18	21.72	22.90	40.49
		497	382.15	67.69	-255.35	-36.39	-151.27	-150.96	20.01	-80.64	-6.56	-54.07	44.37
		499	270.92	94.94	-243.83	2.38	-151.27	-150.96	-1.17	-61.77	-5.07	-57.88	14.86
		327	749.67	23.83	-1060.15	2.38	-1038.70	-150.96	32.32	9.99	23.22	19.09	10.97
281	7	496	793.26	-58.31	-1077.28	-79.39	-1056.20	-145.05	39.16	2.57	7.90	33.83	12.91
		497	244.04	39.03	-257.05	-79.39	-138.62	-145.05	2.77	-30.23	-9.35	-18.11	15.91
		499	226.60	103.31	-225.59	16.34	-138.62	-145.05	-5.74	-17.03	-7.50	-15.27	-4.10
		327	805.81	35.61	-1075.47	16.34	-1056.20	-145.05	38.43	8.00	9.75	36.67	-7.09
281	8	496	614.59	-50.52	-831.62	-64.81	-817.32	-104.68	30.31	1.94	4.19	28.06	7.67
		497	172.87	21.69	-191.50	-64.81	-105.00	-104.68	2.17	-18.19	-7.62	-8.39	10.18
		499	159.59	72.97	-166.58	11.39	-105.00	-104.68	-1.39	-9.24	-5.92	-4.71	-3.88
		327	632.15	24.41	-830.34	11.39	-817.32	-104.68	33.23	4.40	5.89	31.74	-6.38
281	9	496	566.92	-39.08	-765.93	-54.09	-750.92	-103.38	28.49	1.99	5.50	24.97	8.98
		497	174.41	28.16	-184.03	-54.09	-101.78	-103.38	2.06	-21.24	-6.91	-12.27	11.34
		499	162.23	71.82	-163.34	10.26	-101.78	-103.38	-4.14	-12.03	-5.53	-10.64	-3.01
		327	573.76	24.05	-764.71	10.26	-750.92	-103.38	27.97	5.52	6.88	26.61	-5.36
281	10	496	569.26	-45.61	-771.05	-59.43	-757.24	-99.16	28.06	1.76	4.33	25.48	7.82
		497	165.23	20.39	-182.61	-59.43	-102.79	-99.16	1.55	-18.90	-7.25	-10.10	10.13
		499	156.37	67.56	-160.50	9.85	-102.79	-99.16	-3.09	-10.54	-5.81	-7.82	-3.59
		327	581.10	22.46	-769.85	9.85	-757.24	-99.16	29.24	4.29	5.77	27.76	-5.89
281	11	496	568.94	-17.31	-758.85	-32.91	-743.25	-106.41	40.36	-8.98	13.26	18.13	24.55
		497	249.38	42.21	-183.65	-32.91	-108.52	-106.41	11.31	-49.84	-5.28	-33.25	27.19
		499	184.43	67.55	-172.84	3.23	-108.52	-106.41	-2.48	-36.90	-4.18	-35.20	7.48
		327	541.35	18.10	-758.12	3.23	-743.25	-106.41	20.19	10.35	14.36	16.18	4.83
282	1	498	456.12	610.08	-39.25	90.86	479.97	259.92	4.23	-19.28	-9.11	-5.94	11.65
		68	828.40	146.22	-1129.44	90.86	-1074.08	259.92	12.26	-11.70	0.38	0.18	11.98
		492	782.73	17.57	-1135.96	-44.31	-1074.08	259.92	16.50	-11.60	0.99	3.90	13.97
		497	499.64	586.98	-151.32	-44.31	479.97	259.92	8.64	-19.36	-8.50	-2.22	13.64
282	2	498	454.24	613.83	-59.57	71.77	482.49	266.82	-0.09	-16.69	-10.42	-6.37	8.05
		68	819.89	129.87	-1153.58	71.77	-1095.48	266.82	10.38	-10.61	-3.93	3.69	9.78
		492	782.07	15.37	-1159.57	-48.72	-1095.48	266.82	18.19	-11.24	-2.38	9.32	13.50
		497	504.67	593.37	-159.60	-48.72	482.49	266.82	7.65	-17.25	-8.87	-0.73	11.77
282	3	498	457.99	623.87	-82.84	48.59	492.44	274.97	-4.39	-14.44	-11.82	-7.00	4.41
		68	850.16	109.57	-1191.31	48.59	-1130.33	274.97	10.79	-12.32	-8.92	7.39	8.18
		492	823.49	8.53	-1196.72	-57.85	-1130.33	274.97	22.09	-12.85	-6.07	15.31	13.82
		497	516.13	606.28	-171.70	-57.85	492.44	274.97	7.17	-15.22	-8.97	0.92	10.04
282	4	498	1010.28	623.96	-83.19	48.54	492.22	275.32	159.67	-116.17	27.38	16.12	137.81
		68	1514.17	109.77	-1189.64	48.54	-1128.42	275.32	175.93	-141.52	153.02	-118.61	82.15
		492	1472.07	8.70	-1195.08	-57.97	-1128.42	275.32	118.21	-190.07	116.63	-188.48	22.06
		497	712.62	606.33	-172.08	-57.97	492.22	275.32	49.49	-112.25	-9.01	-53.75	77.72
282	5	498	967.54	667.15	-147.50	2.92	516.73	316.09	131.36	-100.81	18.76	11.80	116.03
		68	1474.30	76.80	-1349.60	2.92	-1275.73	316.09	144.03	-116.22	123.72	-95.91	69.80
		492	1452.43	24.56	-1352.57	-52.28	-1275.73	316.09	95.60	-153.92	93.72	-152.05	21.55
		497	727.86	657.50	-193.05	-52.28	516.73	316.09	41.97	-97.56	-11.24	-44.34	67.77
282	6	498	752.18	648.79	25.72	186.26	488.26	272.50	88.34	-76.06	9.07	3.21	82.15
		68	1255.20	239.99	-1195.63	186.26	-1141.90	272.50	94.94	-79.99	73.98	-59.03	56.81
		492	1181.61	78.59	-1202.74	17.75	-1141.90	272.50	62.88	-95.56	57.49	-90.17	28.72
		497	619.30	613.00	-106.99	17.75	488.26	272.50	37.34	-72.70	-7.42	-27.93	54.06
282	7	498	467.65	608.14	-49.19	78.32	480.62	259.92	7.34	-20.73	-8.29	-5.10	13.95
		68	835.84	134.37	-1127.23	78.32	-1071.19	259.92	14.17	-12.58	4.09	-2.50	12.96
		492	791.69	10.23	-1133.66	-52.25	-1071.19	259.92	15.14	-12.06	3.81	-0.73	13.41
		497	502.76	586.40	-158.03	-52.25	480.62	259.92	8.68	-20.58	-8.57	-3.33	14.39
282	8	498	350.03	479.97	-64.29	36.24	379.44	211.21	-4.08	-10.56	-9.18	-5.46	2.65
		68	656.38	83.12	-915.50	36.24	-868.63	211.21	8.44	-9.87	-7.74	6.32	5.86
		492	636.64	6.18	-919.62	-44.81	-868.63	211.21	17.75	-10.12	-5.33	12.95	10.52
		497	396.54	466.66	-132.03	-44.81	379.44	211.21	5.52	-11.11	-6.77	1.18	7.31
282	9	498	327.29	434.46	-32.04	60.83	341.60	186.27	3.20	-13.94	-6.57	-4.17	8.48
		68	592.58	100.72	-808.79	60.83	-768.90	186.27	8.91	-8.35	0.58	-0.02	8.63
		492	561.13	11.39	-813.36	-33.07	-768.90	186.27	11.64	-8.30	0.94	2.40	9.95
		497	357.29	418.44	-109.92	-33.07	341.60	186.27	6.07	-14.04	-6.21	-1.75	9.81
282	10	498	328.21	442.11	-56.25	37.34	348.53	194.63	-1.66	-11.18	-8.08	-4.76	4.46
		68	596.21	80.36	-843.17	37.34	-800.15	194.63	7.50	-8.10	-4.59	3.99	6.52
		492	576.02	6.37	-847.12	-40.60	-800.15	194.63	14.35	-8.59	-2.98	8.74	9.86
		497	366.40	429.17	-121.24	-40.60	348.53	194.63	5.21	-11.69	-6.47	-8.26e-03	7.80
282	11	498	488.10	455.51	4.52	113.83	346.20	193.26	49.89	-45.45	3.53	0.91	47.65
		68	827.96	152.76	-845.51	113.83	-806.58	193.26	54.35	-45.80	41.47	-32.91	33.53
		492	781.07	45.25	-850.42	1.41	-806.58	193.26	36.15	-53.69	32.33	-49.86	18.14
		497	420.33	432.78	-85.17	1.41	346.20	193.26	21.85	-43.50	-5.61	-16.04	32.26
283	1	497	132.62	-55.41	-141.57	-55.50	-141.48	-2.83	-4.94	-24.78	-10.09	-19.63	8.70
		492	460.27	-55.49	-639.13	-55.50	-639.12	-2.83	24.41	-2.87	2.33	19.21	10.71

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		131	497.89	-43.02	-639.13	-43.03	-639.12	-2.83	44.75	-11.94	4.44	28.36	25.70
		499	150.33	-42.95	-141.56	-43.03	-141.48	-2.83	14.48	-32.95	-7.98	-10.48	23.68
283	2	497	130.52	-59.44	-143.35	-59.67	-143.13	4.34	-7.79	-22.84	-12.16	-18.47	6.83
		492	480.27	-59.63	-652.26	-59.67	-652.23	4.34	27.15	-3.01	0.50	23.64	9.67
		131	522.43	-42.32	-652.26	-42.36	-652.23	4.34	49.24	-11.40	3.24	34.60	25.95
		499	150.02	-42.17	-143.31	-42.36	-143.13	4.34	14.67	-31.59	-9.41	-7.51	23.11
283	3	497	128.49	-67.47	-144.38	-68.65	-143.20	9.45	-10.45	-21.29	-14.28	-17.46	5.19
		492	505.34	-68.50	-674.77	-68.65	-674.63	9.45	30.49	-4.13	-1.46	27.83	9.22
		131	555.40	-38.46	-674.77	-38.60	-674.63	9.45	54.59	-11.53	2.14	40.92	26.78
		499	148.48	-37.75	-144.05	-38.60	-143.20	9.45	15.43	-30.48	-10.68	-4.37	22.74
283	4	497	469.99	-67.39	-149.60	-68.85	-148.15	10.83	88.67	-94.92	53.71	-59.97	72.08
		492	847.98	-68.65	-669.57	-68.85	-669.37	10.83	70.46	-125.79	61.74	-117.06	40.46
		131	958.19	-37.16	-669.56	-37.35	-669.37	10.83	40.29	-175.99	38.91	-174.62	17.17
		499	503.44	-36.30	-149.19	-37.35	-148.15	10.83	45.49	-132.13	30.89	-117.52	48.80
283	5	497	439.86	-45.17	-174.55	-61.58	-158.14	43.05	70.34	-84.12	39.49	-53.27	61.75
		492	819.38	-58.92	-758.42	-61.58	-755.76	43.05	58.29	-97.74	49.49	-88.94	36.00
		131	902.98	-37.69	-758.34	-40.27	-755.76	43.05	33.80	-136.78	31.11	-134.09	21.22
		499	467.09	-26.22	-172.19	-40.27	-158.14	43.05	37.36	-114.68	21.12	-98.43	46.97
283	6	497	335.68	7.67	-152.36	7.66	-152.35	-1.12	47.93	-68.23	21.58	-41.88	48.65
		492	649.44	7.67	-669.39	7.66	-669.39	-1.12	45.05	-63.17	31.66	-49.78	35.64
		131	666.10	-59.62	-669.39	-59.62	-669.39	-1.12	32.16	-82.28	22.39	-72.50	31.98
		499	340.30	-59.61	-152.36	-59.62	-152.35	-1.12	33.04	-85.34	12.31	-64.61	45.00
283	7	497	135.41	-63.52	-141.17	-63.57	-141.12	-2.00	-3.21	-25.66	-8.50	-20.36	9.53
		492	447.76	-63.56	-638.17	-63.57	-638.16	-2.00	22.33	-2.42	3.73	16.19	10.69
		131	483.61	-41.12	-638.17	-41.12	-638.16	-2.00	40.88	-11.98	5.21	23.69	24.76
		499	155.15	-41.08	-141.16	-41.12	-141.12	-2.00	13.84	-33.72	-7.02	-12.86	23.60
283	8	497	94.86	-52.01	-107.68	-52.96	-106.73	7.21	-8.16	-15.56	-11.19	-12.53	3.64
		492	390.75	-52.84	-518.31	-52.96	-518.19	7.21	24.12	-3.31	-1.44	22.26	6.90
		131	432.10	-29.20	-518.30	-29.30	-518.19	7.21	43.43	-8.38	1.55	33.51	20.39
		499	108.77	-28.64	-107.40	-29.30	-106.73	7.21	12.74	-22.21	-8.19	-1.28	17.13
283	9	497	97.58	-41.16	-103.46	-41.17	-103.45	-0.70	-3.63	-18.08	-7.22	-14.49	6.24
		492	329.26	-41.17	-458.80	-41.17	-458.80	-0.70	17.35	-1.97	1.76	13.62	7.63
		131	355.28	-30.51	-458.80	-30.51	-458.80	-0.70	31.62	-8.81	3.18	19.62	18.47
		499	111.77	-30.51	-103.46	-30.51	-103.45	-0.70	10.00	-24.28	-5.80	-8.48	17.08
283	10	497	94.99	-47.81	-105.07	-48.47	-104.41	6.12	-6.73	-16.09	-9.54	-13.28	4.29
		492	354.28	-48.39	-478.61	-48.47	-478.53	6.12	20.61	-2.55	-0.34	18.40	6.80
		131	387.19	-27.97	-478.61	-28.05	-478.53	6.12	36.97	-8.47	1.90	26.60	19.07
		499	110.37	-27.56	-104.90	-28.05	-104.41	6.12	10.40	-22.79	-7.30	-5.09	16.56
283	11	497	205.46	-6.08	-109.49	-6.08	-109.49	0.25	25.75	-42.22	10.38	-26.85	28.44
		492	418.81	-6.08	-475.62	-6.08	-475.62	0.25	26.98	-33.63	18.06	-24.71	21.47
		131	430.72	-39.73	-475.62	-39.73	-475.62	0.25	21.48	-44.74	13.15	-36.41	21.96
		499	216.53	-39.73	-109.49	-39.73	-109.49	0.25	19.81	-52.89	5.47	-38.55	28.93
284	1	500	402.47	-16.47	-489.92	-19.64	-486.75	38.60	52.56	-48.59	-3.92	7.89	50.23
		501	480.57	-17.10	-607.13	-19.64	-604.59	38.60	36.42	-59.27	-14.79	-8.07	47.73
		503	551.65	-64.92	-607.35	-67.68	-604.59	38.60	-1.48	-79.57	-23.44	-57.62	35.11
		326	457.51	-64.16	-490.28	-67.68	-486.75	38.60	13.21	-67.44	-12.57	-41.66	37.61
284	2	500	488.54	-66.00	-517.10	-66.11	-516.99	7.17	72.95	-49.39	-6.72	30.28	58.31
		501	503.76	-66.02	-625.79	-66.11	-625.70	7.17	50.07	-64.39	-20.22	5.90	55.72
		503	504.89	-39.40	-625.79	-39.48	-625.70	7.17	3.75	-69.03	-28.18	-37.10	36.12
		326	397.25	-39.38	-517.09	-39.48	-516.99	7.17	25.02	-52.42	-14.68	-12.72	38.70
284	3	500	555.19	-89.85	-505.85	-92.45	-503.24	32.83	101.87	-53.58	-10.91	59.20	69.37
		501	555.50	-90.43	-623.63	-92.45	-621.60	32.83	69.55	-73.48	-28.13	24.20	66.55
		503	456.24	-11.88	-623.37	-13.65	-621.60	32.83	17.08	-63.16	-35.36	-10.72	38.18
		326	447.69	-11.46	-505.43	-13.65	-503.24	32.83	49.24	-43.10	-18.15	24.29	41.00
284	4	500	397.12	-86.16	-503.84	-89.34	-500.66	36.31	10.14	-33.33	2.69	-25.88	16.39
		501	472.80	-86.85	-619.08	-89.34	-616.59	36.31	7.15	-35.55	-0.54	-27.86	16.41
		503	633.22	-27.57	-618.83	-29.81	-616.59	36.31	-4.82	-89.52	-7.58	-86.76	15.04
		326	556.03	-27.03	-503.45	-29.81	-500.66	36.31	-1.65	-87.49	-4.36	-84.78	15.01
284	5	500	389.29	-79.77	-492.62	-83.23	-489.16	37.65	10.36	-32.88	2.23	-24.76	16.89
		501	466.47	-80.53	-609.33	-83.23	-606.63	37.65	6.95	-35.56	-1.38	-27.24	16.87
		503	621.71	-33.14	-609.10	-35.61	-606.63	37.65	-5.58	-88.60	-8.42	-85.75	15.11
		326	542.79	-32.51	-492.26	-35.61	-489.16	37.65	-1.99	-86.09	-4.81	-83.27	15.13
284	6	500	387.56	-77.62	-491.19	-81.81	-487.00	41.40	10.73	-32.53	1.91	-23.72	17.43
		501	465.27	-78.55	-607.90	-81.81	-604.64	41.40	6.91	-35.68	-2.07	-26.70	17.38
		503	618.47	-31.52	-607.63	-34.51	-604.64	41.40	-6.16	-87.79	-9.10	-84.84	15.22
		326	538.75	-30.76	-490.76	-34.51	-487.00	41.40	-2.19	-84.79	-5.12	-81.86	15.27
284	7	500	386.72	-83.91	-491.43	-88.24	-487.10	41.77	10.39	-32.47	2.08	-24.16	16.94
		501	464.54	-84.89	-609.05	-88.24	-605.70	41.77	6.92	-35.26	-1.57	-26.77	16.91
		503	621.35	-28.49	-608.72	-31.51	-605.70	41.77	-5.77	-88.01	-8.62	-85.16	15.03
		326	541.55	-27.71	-490.90	-31.51	-487.10	41.77	-2.14	-85.37	-4.96	-82.55	15.07
284	8	500	448.88	-69.55	-384.87	-71.17	-383.24	22.61	85.28	-44.94	-9.71	50.05	57.85
		501	443.57	-69.91	-474.45	-71.17	-473.18	22.61	58.07	-61.68	-24.16	20.54	55.55

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		503	354.05	-8.18	-474.28	-9.28	-473.18	22.61	12.68	-53.61	-30.38	-10.55	31.63
		326	350.92	-7.92	-384.60	-9.28	-383.24	22.61	39.67	-36.64	-15.93	18.96	33.93
284	9	500	280.45	-22.82	-354.43	-25.26	-352.00	28.29	30.52	-30.58	-1.72	1.67	30.50
		501	337.44	-23.31	-437.67	-25.26	-435.73	28.29	21.12	-36.99	-8.26	-7.61	29.05
		503	395.61	-40.47	-437.75	-42.49	-435.73	28.29	-1.91	-53.37	-13.88	-41.41	21.74
		326	330.31	-39.93	-354.56	-42.49	-352.00	28.29	6.56	-46.03	-7.34	-32.13	23.19
284	10	500	347.40	-63.60	-363.27	-65.71	-361.16	25.09	57.15	-32.58	-5.60	30.17	41.14
		501	357.88	-64.06	-446.83	-65.71	-445.18	25.09	38.92	-44.27	-15.67	10.31	39.51
		503	340.00	-11.02	-446.63	-12.47	-445.18	25.09	5.66	-41.52	-20.51	-15.35	23.45
		326	277.06	-10.68	-362.95	-12.47	-361.16	25.09	23.20	-29.13	-10.44	4.51	25.07
284	11	500	276.55	-56.78	-355.15	-59.79	-352.14	29.85	7.87	-22.24	1.52	-15.89	12.28
		501	331.74	-57.44	-438.11	-59.79	-435.76	29.85	5.22	-24.38	-1.19	-17.96	12.19
		503	434.41	-21.91	-437.91	-24.06	-435.76	29.85	-3.75	-58.70	-5.92	-56.53	10.69
		326	377.83	-21.37	-354.83	-24.06	-352.14	29.85	-1.03	-56.64	-3.20	-54.46	10.78
285	1	502	543.29	406.14	-230.33	-4.06	179.87	304.66	45.03	-29.87	-10.89	26.05	32.58
		203	1184.82	53.85	-1606.93	-4.06	-1549.02	304.66	69.59	-23.63	-4.38	50.34	37.73
		504	1216.89	164.59	-1603.18	110.43	-1549.02	304.66	59.62	-56.85	-4.04	6.82	57.98
		501	599.24	451.78	-161.48	110.43	179.87	304.66	38.93	-66.96	-10.55	-17.48	52.83
285	2	502	670.81	371.20	-270.34	-83.25	184.11	291.59	69.39	-69.72	4.94	-5.26	69.37
		203	1213.36	-26.88	-1591.44	-83.25	-1535.06	291.59	37.49	-70.48	-4.91	-28.09	52.73
		504	1137.93	111.00	-1586.72	59.35	-1535.06	291.59	23.58	-46.61	-19.89	-3.13	34.08
		501	595.53	419.91	-176.45	59.35	184.11	291.59	57.68	-48.03	-10.05	19.70	50.72
285	3	502	905.11	356.96	-363.30	-193.34	187.00	305.82	113.35	-135.99	25.56	-48.20	119.09
		203	1505.97	-128.44	-1634.43	-193.34	-1569.53	305.82	26.31	-167.79	-6.59	-134.89	72.82
		504	1130.54	90.11	-1625.89	33.76	-1569.53	305.82	-16.54	-42.47	-42.38	-16.62	1.48
		501	653.96	425.65	-204.89	33.76	187.00	305.82	92.31	-32.47	-10.23	70.07	47.75
285	4	502	448.62	356.96	-362.47	-189.86	184.34	307.23	40.00	-16.29	-13.54	37.26	-12.13
		203	1252.76	-124.50	-1633.98	-189.86	-1568.62	307.23	86.11	1.42	2.27	85.27	8.41
		504	1211.43	90.00	-1625.53	33.10	-1568.62	307.23	58.15	-38.62	14.79	4.74	48.12
		501	482.46	425.12	-207.68	33.10	184.34	307.23	12.60	-56.89	-1.02	-43.26	27.59
285	5	502	438.92	355.02	-347.93	-171.67	178.77	304.68	41.38	-17.29	-14.43	38.52	-12.64
		203	1252.44	-107.32	-1614.24	-171.67	-1549.89	304.68	88.71	1.13	1.90	87.94	8.19
		504	1201.68	98.75	-1606.19	42.44	-1549.89	304.68	59.35	-39.17	14.53	5.65	49.06
		501	482.74	422.82	-201.61	42.44	178.77	304.68	12.39	-57.96	-1.80	-43.77	28.23
285	6	502	443.49	355.27	-351.55	-175.23	178.96	305.84	41.85	-17.69	-14.92	39.08	-12.53
		203	1255.22	-110.29	-1615.57	-175.23	-1550.63	305.84	89.78	0.82	1.60	89.00	8.28
		504	1202.40	99.77	-1607.31	43.10	-1550.63	305.84	59.88	-39.57	14.14	6.16	49.57
		501	486.42	424.32	-202.27	43.10	178.96	305.84	12.36	-58.49	-2.38	-43.75	28.75
285	7	502	448.90	352.07	-364.55	-191.43	178.95	306.74	39.17	-16.04	-13.68	36.81	-11.16
		203	1239.20	-125.54	-1619.41	-191.43	-1553.53	306.74	84.76	0.91	1.80	83.87	8.60
		504	1200.07	94.04	-1610.63	36.93	-1553.53	306.74	57.11	-38.34	13.70	5.07	47.53
		501	482.75	422.79	-206.91	36.93	178.95	306.74	12.39	-56.16	-1.79	-41.98	27.77
285	8	502	743.53	274.55	-279.24	-149.72	145.03	234.42	97.01	-117.95	22.78	-43.72	102.21
		203	1207.26	-99.98	-1254.64	-149.72	-1204.91	234.42	20.92	-147.38	-5.67	-120.78	61.39
		504	873.43	69.23	-1248.04	26.10	-1204.91	234.42	-14.91	-37.27	-37.09	-15.10	-2.04
		501	521.94	327.41	-156.28	26.10	145.03	234.42	79.10	-25.77	-8.63	61.96	38.78
285	9	502	365.66	278.79	-183.62	-31.72	126.89	217.18	27.62	-15.73	-8.07	19.96	16.53
		203	849.56	10.57	-1147.04	-31.72	-1104.75	217.18	49.95	-11.76	-2.19	40.38	22.34
		504	862.81	105.43	-1143.73	66.45	-1104.75	217.18	41.68	-37.11	-0.19	4.76	39.32
		501	407.31	315.94	-122.60	66.45	126.89	217.18	22.99	-44.72	-6.07	-15.66	33.51
285	10	502	555.44	252.66	-258.68	-136.87	130.85	217.82	62.17	-71.28	13.80	-21.29	64.59
		203	972.67	-90.61	-1162.42	-136.87	-1116.15	217.82	18.25	-84.19	-3.42	-62.53	41.83
		504	799.98	64.06	-1156.35	23.86	-1116.15	217.82	-4.55	-25.20	-21.49	-8.26	7.93
		501	430.49	301.65	-146.94	23.86	130.85	217.82	49.87	-22.78	-5.89	32.98	30.69
285	11	502	315.75	251.73	-252.17	-126.81	126.38	217.83	29.05	-12.16	-10.31	27.20	-8.53
		203	890.24	-80.52	-1151.94	-126.81	-1105.65	217.83	62.44	0.55	1.13	61.86	5.98
		504	854.88	69.43	-1146.03	29.04	-1105.65	217.83	41.91	-27.59	9.91	4.40	34.64
		501	344.81	300.92	-145.49	29.04	126.38	217.83	8.84	-40.63	-1.53	-30.25	20.14
286	1	501	532.96	128.17	-601.27	122.09	-595.18	-66.34	42.45	-47.55	-4.88	-0.22	44.94
		504	491.06	128.31	-585.84	122.09	-579.63	-66.34	29.35	-57.14	-10.53	-17.26	43.11
		325	564.31	-44.37	-587.85	-52.59	-579.63	-66.34	-8.34	-91.95	-20.05	-80.24	29.02
		503	536.43	-44.60	-603.18	-52.59	-595.18	-66.34	0.52	-78.12	-14.41	-63.19	30.84
286	2	501	601.61	79.63	-629.12	68.09	-617.58	-89.72	55.56	-53.36	-11.44	13.64	52.99
		504	542.56	80.14	-599.84	68.09	-587.78	-89.72	36.37	-70.55	-20.49	-13.68	53.35
		325	537.63	-23.99	-602.06	-38.27	-587.78	-89.72	-10.83	-85.89	-26.85	-69.87	30.75
		503	494.12	-24.69	-631.15	-38.27	-617.58	-89.72	2.65	-62.99	-17.79	-42.54	30.40
286	3	501	661.21	52.83	-621.53	44.65	-613.35	-73.82	73.82	-64.22	-21.65	31.25	63.75
		504	593.26	53.15	-596.14	44.65	-587.63	-73.82	46.67	-89.81	-34.64	-8.50	66.98
		325	499.89	-4.01	-596.97	-13.34	-587.63	-73.82	-10.74	-81.40	-36.78	-55.36	34.09
		503	458.01	-4.40	-622.30	-13.34	-613.35	-73.82	11.43	-50.83	-23.79	-15.61	30.86
286	4	501	489.63	51.98	-614.88	44.27	-607.17	-71.29	14.16	-29.28	6.98	-22.10	16.14
		504	497.25	52.17	-598.82	44.27	-590.92	-71.29	11.48	-36.42	5.15	-30.08	16.23

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		325	652.53	2.11	-599.49	-6.46	-590.92	-71.29	-2.06	-99.77	-3.01	-98.83	9.54
		503	644.52	1.89	-615.52	-6.46	-607.17	-71.29	-0.18	-91.83	-1.17	-90.85	9.46
286	5	501	483.60	60.56	-603.75	53.77	-596.95	-66.84	14.09	-28.85	6.53	-21.30	16.35
		504	494.07	60.68	-592.29	53.77	-585.38	-66.84	11.18	-35.64	4.71	-29.18	16.15
		325	643.45	-3.62	-593.06	-11.30	-585.38	-66.84	-2.79	-98.81	-3.75	-97.85	9.55
		503	632.45	-3.76	-604.48	-11.30	-596.95	-66.84	-0.86	-91.03	-1.93	-89.97	9.75
286	6	501	480.12	61.09	-601.38	54.68	-594.96	-64.87	14.11	-28.60	6.11	-20.60	16.67
		504	490.90	61.21	-590.16	54.68	-583.63	-64.87	10.98	-35.27	4.27	-28.55	16.29
		325	639.98	-2.43	-590.87	-9.67	-583.63	-64.87	-3.38	-98.12	-4.37	-97.13	9.63
		503	628.61	-2.56	-602.07	-9.67	-594.96	-64.87	-1.39	-90.32	-2.53	-89.18	10.00
286	7	501	479.34	54.83	-602.29	48.53	-595.99	-64.04	13.85	-28.69	6.10	-20.94	16.42
		504	490.94	54.94	-591.63	48.53	-585.22	-64.04	10.91	-35.75	4.23	-29.07	16.35
		325	643.23	0.50	-592.22	-6.50	-585.22	-64.04	-3.09	-98.40	-4.05	-97.43	9.54
		503	631.16	0.38	-602.86	-6.50	-595.99	-64.04	-1.13	-90.35	-2.18	-89.31	9.61
286	8	501	526.47	41.84	-473.93	34.71	-466.80	-60.21	60.85	-54.37	-19.32	25.80	53.01
		504	474.87	42.09	-456.92	34.71	-449.54	-60.21	38.59	-75.46	-29.77	-7.10	55.89
		325	393.07	-0.82	-457.62	-8.89	-449.54	-60.21	-9.56	-68.90	-31.45	-47.01	28.63
		503	355.75	-1.11	-474.59	-8.89	-466.80	-60.21	8.42	-43.53	-21.00	-14.11	25.75
286	9	501	359.22	78.55	-433.28	74.36	-429.08	-46.14	25.68	-29.44	-1.55	-2.20	27.56
		504	339.40	78.66	-421.28	74.36	-416.98	-46.14	17.59	-35.99	-5.24	-13.15	26.50
		325	405.52	-25.89	-422.42	-31.34	-416.98	-46.14	-5.55	-62.25	-11.56	-56.24	17.45
		503	388.93	-26.06	-434.37	-31.34	-429.08	-46.14	-0.26	-52.90	-7.87	-45.29	18.51
286	10	501	430.07	36.65	-444.49	31.34	-439.18	-50.29	42.40	-37.99	-10.87	15.28	38.01
		504	385.61	36.86	-426.95	31.34	-421.43	-50.29	26.63	-53.56	-18.64	-8.28	39.76
		325	368.76	-3.48	-427.48	-9.53	-421.43	-50.29	-8.68	-54.59	-20.85	-42.42	20.27
		503	325.59	-3.72	-444.99	-9.53	-439.18	-50.29	2.78	-34.71	-13.08	-18.86	18.52
286	11	501	341.90	41.28	-433.33	36.91	-428.96	-45.32	10.42	-19.39	4.55	-13.52	11.85
		504	348.69	41.37	-423.66	36.91	-419.20	-45.32	7.90	-24.35	2.98	-19.43	11.60
		325	448.84	-2.56	-424.13	-7.49	-419.20	-45.32	-2.14	-66.33	-2.84	-65.63	6.68
		503	441.59	-2.67	-433.78	-7.49	-428.96	-45.32	-0.46	-60.54	-1.27	-59.73	6.93
287	1	505	567.31	55.77	-582.28	55.77	-582.28	-0.64	41.01	-43.54	-36.00	33.47	24.09
		506	545.54	55.77	-534.85	55.77	-534.85	-0.64	46.01	-67.25	-40.89	19.64	47.86
		508	382.93	-87.47	-534.85	-87.47	-534.85	-0.64	26.79	-47.64	-17.91	-2.94	36.45
		332	410.26	-87.47	-582.28	-87.47	-582.28	-0.64	16.36	-18.50	-13.03	10.89	12.68
287	2	505	675.85	-18.34	-603.99	-18.85	-603.48	-17.33	61.25	-73.16	-73.16	61.25	-0.79
		506	658.04	-18.30	-564.03	-18.85	-563.48	-17.33	59.90	-95.49	-77.82	42.23	49.33
		508	550.50	-34.59	-564.05	-35.16	-563.48	-17.33	60.75	-36.39	-23.05	47.41	33.43
		332	595.43	-34.63	-604.00	-35.16	-603.48	-17.33	69.60	-21.56	-18.39	66.43	-16.69
287	3	505	847.28	-18.97	-565.60	-19.52	-565.05	17.30	100.95	-124.26	-120.03	96.72	-30.57
		506	790.22	-18.94	-535.25	-19.52	-534.67	17.30	84.29	-137.88	-124.76	71.18	52.36
		508	694.28	-34.46	-535.26	-35.06	-534.67	17.30	117.55	-36.81	-30.38	111.11	30.85
		332	807.80	-34.50	-565.62	-35.06	-565.05	17.30	151.94	-40.92	-25.64	136.66	-52.08
287	4	505	438.66	-12.67	-565.94	-13.07	-565.54	14.88	8.02	-28.55	0.74	-21.27	14.60
		506	409.09	-12.65	-530.42	-13.07	-529.99	14.88	9.81	-25.98	1.99	-18.16	14.80
		508	545.33	-43.57	-530.44	-44.03	-529.99	14.88	-0.77	-80.13	-4.76	-76.14	17.35
		332	575.18	-43.61	-565.97	-44.03	-565.54	14.88	-2.19	-83.07	-6.01	-79.25	17.15
287	5	505	430.21	-5.87	-561.96	-5.96	-561.87	6.97	6.02	-27.11	-1.14	-19.95	13.63
		506	399.08	-5.86	-522.28	-5.96	-522.19	6.97	8.83	-25.61	0.17	-16.95	14.95
		508	530.48	-48.25	-522.29	-48.35	-522.19	6.97	-1.05	-77.85	-5.22	-73.68	17.40
		332	561.97	-48.26	-561.96	-48.35	-561.87	6.97	-3.02	-80.19	-6.53	-76.68	16.08
287	6	505	423.29	-0.85	-557.10	-1.13	-556.82	12.49	4.29	-25.77	-2.83	-18.65	12.78
		506	394.53	-0.83	-518.52	-1.13	-518.22	12.49	8.03	-25.51	-1.59	-15.89	15.17
		508	521.76	-51.22	-518.56	-51.55	-518.22	12.49	-1.34	-75.78	-5.67	-71.45	17.43
		332	551.06	-51.25	-557.13	-51.55	-556.82	12.49	-3.71	-77.42	-6.91	-74.21	15.03
287	7	505	424.02	-6.34	-556.61	-6.62	-556.32	12.60	4.90	-26.23	-2.05	-19.28	12.97
		506	394.69	-6.31	-518.11	-6.62	-517.80	12.60	8.20	-25.44	-0.81	-16.44	14.90
		508	525.49	-47.43	-518.13	-47.77	-517.80	12.60	-1.30	-76.70	-5.46	-72.54	17.21
		332	555.30	-47.45	-556.64	-47.77	-556.32	12.60	-3.45	-78.63	-6.70	-75.38	15.29
287	8	505	689.83	-15.41	-431.06	-15.73	-430.74	11.46	85.53	-106.48	-102.51	81.56	-27.29
		506	643.10	-15.39	-407.11	-15.73	-406.78	11.46	70.58	-117.14	-106.51	59.95	43.39
		508	556.42	-25.74	-407.12	-26.08	-406.78	11.46	97.91	-31.32	-26.20	92.79	25.19
		332	653.60	-25.76	-431.06	-26.08	-430.74	11.46	128.17	-35.97	-22.21	114.41	-45.49
287	9	505	369.42	28.52	-415.16	28.51	-415.15	2.31	22.41	-25.76	-20.02	16.66	15.61
		506	352.30	28.52	-383.11	28.51	-383.10	2.31	26.38	-39.72	-22.59	9.26	28.96
		508	276.42	-55.60	-383.11	-55.62	-383.10	2.31	12.95	-32.77	-10.42	-9.41	22.85
		332	266.89	-55.60	-415.17	-55.62	-415.15	2.31	5.02	-14.87	-7.84	-2.01	9.51
287	10	505	520.80	-12.93	-405.97	-13.31	-405.58	12.27	53.61	-68.50	-66.69	51.80	-14.75
		506	487.47	-12.91	-383.40	-13.31	-382.99	12.27	46.45	-77.75	-69.19	37.89	31.46
		508	421.33	-26.08	-383.42	-26.50	-382.99	12.27	59.05	-22.44	-17.34	53.95	19.74
		332	482.39	-26.10	-405.98	-26.50	-405.58	12.27	75.61	-22.59	-14.85	67.86	-26.47
287	11	505	301.95	-2.87	-401.24	-3.10	-401.01	9.60	3.82	-17.70	-1.58	-12.30	9.33
		506	281.83	-2.85	-374.11	-3.10	-373.86	9.60	6.22	-17.46	-0.76	-10.48	10.80

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		508	366.61	-35.39	-374.13	-35.66	-373.86	9.60	-0.41	-50.68	-3.61	-47.47	12.28
		332	387.07	-35.41	-401.26	-35.66	-401.01	9.60	-1.97	-51.76	-4.44	-49.29	10.82
288	1	507	531.85	362.31	-33.67	198.74	129.90	194.97	61.37	-70.95	-20.56	10.98	64.26
		215	853.54	231.48	-962.41	198.74	-929.67	194.97	58.63	-65.78	-7.29	0.15	62.09
		500	735.80	57.03	-968.20	18.51	-929.67	194.97	57.09	-48.46	-7.68	16.31	51.39
		506	507.29	276.98	-128.57	18.51	129.90	194.97	61.80	-55.62	-20.96	27.14	53.56
288	2	507	638.89	291.39	-127.04	17.95	146.41	199.11	70.92	-101.26	-47.99	17.65	79.59
		215	891.20	55.28	-1044.03	17.95	-1006.70	199.11	70.74	-91.99	-19.71	-1.54	80.86
		500	758.32	-8.69	-1046.42	-48.41	-1006.70	199.11	73.62	-57.28	-14.46	30.80	61.42
		506	605.15	270.66	-172.66	-48.41	146.41	199.11	79.56	-72.31	-42.73	49.98	60.14
288	3	507	782.40	277.96	-167.85	-22.50	132.61	208.97	85.50	-142.19	-82.78	26.09	99.99
		215	955.19	20.91	-1028.35	-22.50	-984.93	208.97	86.85	-126.31	-35.83	-3.63	105.35
		500	810.89	-3.06	-1029.41	-47.54	-984.93	208.97	96.08	-70.53	-23.69	49.24	74.90
		506	721.09	270.10	-185.03	-47.54	132.61	208.97	106.29	-97.97	-70.64	78.96	69.54
288	4	507	325.54	277.10	-154.43	-8.97	131.64	203.99	19.89	-14.68	5.19	9.48e-03	17.09
		215	722.43	32.65	-1008.94	-8.97	-967.33	203.99	19.20	-15.08	4.98	-0.85	16.89
		500	719.57	-6.57	-1010.64	-49.88	-967.33	203.99	16.16	-17.65	4.18	-5.68	16.17
		506	323.29	264.15	-182.39	-49.88	131.64	203.99	16.80	-17.22	4.40	-4.82	16.37
288	5	507	316.07	275.07	-127.96	19.67	127.44	194.18	19.98	-15.84	3.78	0.35	17.83
		215	705.58	57.78	-969.81	19.67	-931.70	194.18	19.58	-16.19	4.19	-0.80	17.71
		500	693.23	-3.68	-972.33	-44.31	-931.70	194.18	16.55	-17.85	3.57	-4.87	16.67
		506	314.19	253.88	-170.75	-44.31	127.44	194.18	16.86	-17.41	3.17	-3.72	16.79
288	6	507	321.43	278.03	-126.54	25.96	125.53	196.06	20.17	-17.04	2.46	0.67	18.58
		215	707.44	64.66	-967.25	25.96	-928.55	196.06	20.03	-17.34	3.49	-0.79	18.56
		500	692.44	1.86	-969.87	-39.45	-928.55	196.06	17.03	-18.12	3.06	-4.15	17.20
		506	318.55	255.75	-169.67	-39.45	125.53	196.06	17.05	-17.71	2.04	-2.69	17.22
288	7	507	319.27	272.11	-135.74	10.89	125.48	195.71	19.90	-16.34	3.06	0.50	18.08
		215	701.74	50.05	-967.24	10.89	-928.08	195.71	19.66	-16.70	3.82	-0.86	18.03
		500	690.64	-4.02	-969.53	-45.47	-928.08	195.71	16.63	-17.84	3.33	-4.54	16.78
		506	316.56	253.57	-173.55	-45.47	125.48	195.71	16.77	-17.38	2.57	-3.18	16.83
288	8	507	641.46	213.25	-130.84	-20.81	103.22	160.48	71.55	-120.27	-70.81	22.09	83.91
		215	759.00	12.67	-790.01	-20.81	-756.53	160.48	72.58	-106.63	-30.85	-3.20	88.53
		500	639.30	-3.28	-790.72	-37.47	-756.53	160.48	80.50	-59.31	-20.47	41.66	62.62
		506	589.29	208.09	-142.34	-37.47	103.22	160.48	89.40	-82.89	-60.43	66.95	58.00
288	9	507	345.32	240.56	-39.28	110.36	90.91	139.58	37.06	-41.69	-10.83	6.21	38.44
		215	583.93	134.69	-690.64	110.36	-666.32	139.58	35.56	-38.92	-3.39	0.03	37.20
		500	516.79	30.79	-694.27	2.84	-666.32	139.58	34.17	-29.26	-3.70	8.62	31.11
		506	331.74	193.24	-99.49	2.84	90.91	139.58	36.69	-33.03	-11.14	14.80	32.35
288	10	507	482.65	196.36	-116.49	-12.55	92.42	147.36	50.16	-80.96	-45.40	14.60	58.29
		215	633.87	17.83	-727.40	-12.55	-697.02	147.36	51.17	-72.50	-19.25	-2.07	61.24
		500	543.11	-2.58	-728.29	-33.86	-697.02	147.36	55.55	-41.23	-12.59	26.92	44.17
		506	447.10	189.60	-131.04	-33.86	92.42	147.36	60.69	-55.84	-38.74	43.59	41.23
288	11	507	228.80	196.43	-93.57	14.37	88.48	140.19	14.31	-11.87	1.95	0.48	13.07
		215	504.99	42.14	-693.46	14.37	-665.70	140.19	14.16	-12.06	2.59	-0.49	13.02
		500	495.01	0.15	-695.21	-29.36	-665.70	140.19	12.13	-12.61	2.27	-2.74	12.11
		506	227.06	181.63	-122.51	-29.36	88.48	140.19	12.21	-12.36	1.63	-1.77	12.17
289	1	506	544.79	11.35	-542.94	5.17	-536.75	-58.23	64.78	-44.62	-9.72	29.88	50.99
		500	483.09	11.99	-492.14	5.17	-485.32	-58.23	46.80	-66.43	-20.45	0.82	55.61
		326	391.67	-60.65	-493.30	-68.64	-485.32	-58.23	4.10	-61.63	-20.06	-37.47	31.69
		508	378.03	-61.50	-543.89	-68.64	-536.75	-58.23	18.21	-35.95	-9.33	-8.41	27.08
289	2	506	647.43	-47.62	-579.77	-61.70	-565.69	-85.41	87.03	-49.27	-21.40	59.16	54.98
		500	585.24	-46.18	-531.63	-61.70	-516.11	-85.41	62.22	-82.07	-36.40	16.55	67.11
		326	436.89	-14.67	-530.65	-29.22	-516.11	-85.41	18.98	-48.60	-25.74	-3.87	31.97
		508	521.03	-15.95	-578.96	-29.22	-565.69	-85.41	45.70	-17.71	-10.74	38.73	19.84
289	3	506	729.25	-53.68	-541.37	-58.69	-536.36	-49.19	120.02	-60.57	-36.81	96.26	61.04
		500	663.30	-53.30	-507.24	-58.69	-501.84	-49.19	84.75	-104.79	-56.92	36.88	82.35
		326	524.37	-19.05	-506.86	-24.06	-501.84	-49.19	52.15	-46.54	-33.62	39.23	33.29
		508	640.66	-19.38	-541.04	-24.06	-536.36	-49.19	99.88	-14.78	-13.51	98.61	11.98
289	4	506	385.67	-55.89	-536.75	-61.50	-531.15	-51.60	14.15	-27.14	3.96	-16.96	17.80
		500	382.99	-55.48	-504.11	-61.50	-498.10	-51.60	9.78	-34.59	0.78	-25.58	17.84
		326	547.30	-9.45	-503.55	-14.90	-498.10	-51.60	-4.94	-86.97	-6.37	-85.54	10.74
		508	550.31	-9.79	-536.25	-14.90	-531.15	-51.60	-1.67	-78.44	-3.19	-76.91	10.70
289	5	506	377.05	-50.10	-530.17	-56.67	-523.60	-55.76	14.24	-26.51	3.20	-15.47	18.10
		500	373.27	-49.56	-493.81	-56.67	-486.70	-55.76	9.65	-34.64	-0.25	-24.73	18.46
		326	532.67	-14.59	-493.28	-21.17	-486.70	-55.76	-5.47	-85.35	-6.96	-83.85	10.84
		508	536.85	-15.06	-529.71	-21.17	-523.60	-55.76	-1.99	-76.10	-3.51	-74.59	10.48
289	6	506	371.96	-46.23	-524.80	-51.51	-519.52	-49.99	14.36	-26.02	2.48	-14.14	18.40
		500	370.80	-45.82	-490.18	-51.51	-484.48	-49.99	9.68	-34.74	-1.13	-23.94	19.06
		326	525.85	-17.42	-489.83	-22.77	-484.48	-49.99	-5.83	-83.86	-7.41	-82.28	11.00
		508	527.52	-17.79	-524.50	-22.77	-519.52	-49.99	-2.29	-74.01	-3.81	-72.49	10.34
289	7	506	372.03	-52.14	-524.53	-57.53	-519.14	-50.15	14.09	-26.11	2.80	-14.82	18.07
		500	370.45	-51.72	-490.34	-57.53	-484.52	-50.15	9.52	-34.51	-0.68	-24.31	18.58

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		326	529.13	-13.98	-489.87	-19.32	-484.52	-50.15	-5.67	-84.50	-7.17	-83.00	10.77
		508	531.24	-14.34	-524.13	-19.32	-519.14	-50.15	-2.21	-74.98	-3.68	-73.51	10.26
289	8	506	589.01	-41.29	-412.40	-45.68	-408.01	-40.13	100.68	-51.18	-31.72	81.21	50.77
		500	538.69	-40.96	-386.87	-45.68	-382.15	-40.13	70.66	-88.57	-48.78	30.87	68.94
		326	414.96	-12.23	-386.50	-16.58	-382.15	-40.13	42.36	-39.50	-29.02	31.88	27.35
		508	509.77	-12.51	-412.08	-16.58	-408.01	-40.13	83.10	-12.85	-11.96	82.22	9.18
289	9	506	355.65	-2.63	-388.52	-6.75	-384.40	-39.67	37.82	-27.50	-4.85	15.17	31.09
		500	314.68	-2.24	-355.37	-6.75	-350.86	-39.67	27.25	-40.70	-11.25	-2.19	33.67
		326	291.97	-37.00	-355.87	-42.01	-350.86	-39.67	0.53	-42.28	-11.79	-29.95	19.38
		508	273.01	-37.48	-388.93	-42.01	-384.40	-39.67	8.19	-26.17	-5.39	-12.59	16.80
289	10	506	458.54	-38.76	-387.65	-42.23	-384.17	-34.65	67.44	-35.30	-19.90	52.05	36.67
		500	414.36	-38.50	-363.77	-42.23	-360.04	-34.65	47.61	-61.28	-31.51	17.84	48.53
		326	324.63	-13.78	-363.51	-17.25	-360.04	-34.65	22.49	-29.15	-19.33	12.66	20.27
		508	393.68	-14.01	-387.42	-17.25	-384.17	-34.65	48.13	-8.98	-7.71	46.86	8.41
289	11	506	265.75	-34.62	-378.44	-38.24	-374.82	-35.10	10.46	-17.82	1.93	-9.28	12.98
		500	264.55	-34.34	-354.29	-38.24	-350.39	-35.10	7.20	-23.66	-0.52	-15.94	13.37
		326	368.59	-12.88	-354.04	-16.53	-350.39	-35.10	-3.55	-56.06	-4.77	-54.85	7.89
		508	370.13	-13.13	-378.23	-16.53	-374.82	-35.10	-1.13	-49.38	-2.32	-48.19	7.50
290	1	509	475.02	41.01	-611.28	39.38	-609.64	32.65	6.40	-35.55	-6.28	-22.87	-19.27
		510	477.56	41.06	-591.46	39.38	-589.77	32.65	42.50	-10.94	9.96	21.60	-26.08
		512	438.73	-97.76	-591.94	-99.93	-589.77	32.65	1.00	-30.17	-3.11	-26.06	10.54
		338	557.69	-97.85	-611.72	-99.93	-609.64	32.65	-14.02	-75.86	-19.35	-70.53	17.35
290	2	509	639.99	-27.17	-628.09	-31.86	-623.39	52.92	53.60	-108.26	6.33	-60.99	-73.60
		510	677.56	-27.00	-607.40	-31.86	-602.53	52.92	133.49	-65.45	37.86	30.18	-99.39
		512	488.11	-31.51	-607.44	-36.42	-602.53	52.92	14.12	-46.70	2.20	-34.78	-24.14
		338	709.15	-31.69	-628.13	-36.42	-623.39	52.92	-29.30	-125.98	-29.33	-125.95	1.66
290	3	509	892.68	-0.09	-565.80	-8.58	-557.31	68.78	111.03	-197.98	21.77	-108.72	-140.05
		510	1041.97	0.13	-551.96	-8.58	-543.26	68.78	248.29	-132.91	73.25	42.12	-189.96
		512	523.18	-49.34	-552.84	-58.92	-543.26	68.78	52.81	-88.46	8.92	-44.58	-65.37
		338	826.99	-49.60	-566.63	-58.92	-557.31	68.78	-41.01	-196.97	-42.56	-195.43	-15.46
290	4	509	470.04	2.77	-563.22	-5.51	-554.94	67.96	5.14	-35.56	-0.35	-30.07	13.91
		510	438.75	2.92	-553.42	-5.51	-544.99	67.96	10.01	-23.44	5.21	-18.63	11.73
		512	568.19	-57.66	-554.46	-67.14	-544.99	67.96	1.66	-81.69	-4.03	-76.01	21.00
		338	600.61	-57.85	-564.23	-67.14	-554.94	67.96	-3.20	-93.82	-9.58	-87.44	23.18
290	5	509	474.95	2.54	-569.36	-3.86	-562.96	60.14	3.88	-35.54	0.04	-31.70	11.69
		510	434.29	2.72	-553.68	-3.86	-547.10	60.14	9.13	-20.82	6.37	-18.05	8.67
		512	566.22	-57.10	-554.48	-64.48	-547.10	60.14	1.20	-81.13	-3.86	-76.07	19.77
		338	608.30	-57.33	-570.12	-64.48	-562.96	60.14	-4.11	-95.79	-10.18	-89.72	22.79
290	6	509	476.39	11.28	-563.78	4.62	-557.12	61.52	3.02	-35.77	0.47	-33.22	9.61
		510	430.82	11.47	-548.14	4.62	-541.29	61.52	8.74	-18.80	7.47	-17.53	5.78
		512	560.08	-63.63	-549.22	-71.55	-541.29	61.52	0.76	-80.72	-3.71	-76.24	18.57
		338	607.77	-63.88	-564.79	-71.55	-557.12	61.52	-4.94	-97.70	-10.71	-91.93	22.40
290	7	509	470.59	6.50	-558.79	-0.76	-551.53	63.68	3.31	-35.54	0.33	-32.56	10.34
		510	428.56	6.69	-545.15	-0.76	-537.70	63.68	8.74	-19.64	6.96	-17.87	6.87
		512	559.99	-59.55	-546.18	-68.03	-537.70	63.68	0.80	-80.95	-3.80	-76.35	18.84
		338	603.76	-59.78	-559.77	-68.03	-551.53	63.68	-4.68	-96.81	-10.44	-91.05	22.31
290	8	509	744.40	-1.28	-430.50	-7.49	-424.29	51.27	95.57	-169.94	18.41	-92.78	-120.55
		510	872.35	-1.10	-418.94	-7.49	-412.55	51.27	212.02	-114.88	61.94	35.20	-162.90
		512	428.53	-37.26	-419.55	-44.26	-412.55	51.27	45.48	-78.20	7.18	-39.90	-57.19
		338	676.28	-37.47	-431.08	-44.26	-424.29	51.27	-34.70	-169.52	-36.35	-167.87	-14.84
290	9	509	332.32	22.03	-431.24	20.21	-429.42	28.69	0.95	-20.77	-3.41	-16.41	-8.70
		510	316.77	22.08	-418.27	20.21	-416.39	28.69	21.43	-4.70	6.53	10.20	-12.94
		512	324.74	-63.21	-418.72	-65.54	-416.39	28.69	1.38	-25.89	-1.97	-22.54	8.95
		338	396.51	-63.30	-431.67	-65.54	-429.42	28.69	-7.72	-53.35	-11.92	-49.15	13.18
290	10	509	539.60	-0.49	-406.29	-6.44	-400.35	48.76	58.89	-110.82	12.17	-64.10	-75.80
		510	604.71	-0.34	-396.64	-6.44	-390.55	48.76	136.12	-72.82	41.69	21.60	-103.99
		512	353.83	-36.05	-397.26	-42.76	-390.55	48.76	24.10	-52.22	4.71	-32.83	-33.23
		338	542.91	-36.23	-406.88	-42.76	-400.35	48.76	-24.54	-118.81	-24.81	-118.54	-5.04
290	11	509	337.69	5.83	-405.17	0.90	-400.24	44.73	2.52	-24.34	0.34	-22.16	7.34
		510	306.79	5.96	-394.52	0.90	-389.46	44.73	6.41	-12.80	5.15	-11.54	4.76
		512	392.75	-43.99	-395.25	-49.78	-389.46	44.73	1.18	-53.90	-2.31	-50.42	13.41
		338	424.99	-44.16	-405.86	-49.78	-400.24	44.73	-2.73	-65.43	-7.12	-61.04	15.99
291	1	511	718.06	409.33	-109.56	147.13	152.65	259.43	58.86	-116.96	-57.29	-0.81	-83.25
		227	1245.13	197.70	-1183.79	147.13	-1133.22	259.43	65.45	-116.43	-108.81	57.82	-36.45
		505	1085.40	89.06	-1188.28	34.00	-1133.22	259.43	82.83	-58.28	-55.57	80.12	19.38
		510	428.12	359.45	-172.80	34.00	152.65	259.43	38.96	-21.54	-4.05	21.48	-27.42
291	2	511	1355.13	343.64	-265.59	-89.28	167.33	276.28	168.17	-285.02	-107.77	-9.08	-221.16
		227	1698.62	-25.22	-1280.90	-89.28	-1216.85	276.28	154.89	-259.11	-215.78	111.56	-126.74
		505	1397.98	18.73	-1278.63	-43.04	-1216.85	276.28	144.67	-110.40	-109.87	144.14	-11.68
		510	811.60	357.77	-233.48	-43.04	167.33	276.28	117.67	-96.03	-1.85	23.50	-106.10
291	3	511	2149.46	327.67	-220.65	-28.76	135.78	261.53	304.62	-494.75	-170.79	-19.34	-392.45
		227	2320.32	31.55	-1163.03	-28.76	-1102.73	261.53	270.70	-441.57	-349.88	179.02	-238.53

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		505	1703.82	47.85	-1162.18	-11.60	-1102.73	261.53	230.70	-184.03	-178.11	224.78	-49.19
		510	1240.39	333.80	-209.62	-11.60	135.78	261.53	217.21	-189.80	0.99	26.42	-203.11
291	4	511	358.61	328.67	-219.64	-26.46	135.48	261.92	10.63	-9.05	3.03	-1.45	9.59
		227	805.84	33.81	-1164.80	-26.46	-1104.53	261.92	12.99	-10.97	-0.03	2.05	11.93
		505	828.82	47.89	-1164.06	-11.63	-1104.53	261.92	15.47	-15.31	2.03	-1.87	15.27
		510	369.46	333.98	-210.13	-11.63	135.48	261.92	13.80	-14.08	5.09	-5.37	12.92
291	5	511	326.52	327.63	-208.08	-18.37	137.92	256.20	3.40	-4.47	0.72	-1.79	3.73
		227	785.30	39.53	-1151.97	-18.37	-1094.06	256.20	9.15	-9.58	-4.87	4.44	8.13
		505	806.67	44.22	-1151.73	-13.44	-1094.06	256.20	14.34	-13.84	-0.54	1.04	14.07
		510	348.88	329.38	-204.90	-13.44	137.92	256.20	10.88	-11.01	5.06	-5.19	9.67
291	6	511	316.01	332.24	-192.91	5.10	134.24	254.51	0.09	-3.66	-1.46	-2.11	-1.85
		227	799.71	61.90	-1135.33	5.10	-1078.53	254.51	7.90	-10.63	-9.46	6.72	4.52
		505	787.35	52.49	-1135.80	-4.78	-1078.53	254.51	13.81	-12.94	-2.93	3.80	12.95
		510	332.07	328.56	-199.10	-4.78	134.24	254.51	8.31	-8.28	5.06	-5.03	6.58
291	7	511	308.83	325.30	-204.19	-11.67	132.78	254.70	-0.40	-2.09	-0.50	-1.98	0.41
		227	786.62	46.04	-1135.77	-11.67	-1078.06	254.70	7.97	-9.69	-7.42	5.70	5.91
		505	790.91	48.83	-1135.63	-8.73	-1078.06	254.70	13.75	-13.08	-1.86	2.53	13.24
		510	337.44	326.37	-202.32	-8.73	132.78	254.70	9.22	-9.31	5.06	-5.15	7.74
291	8	511	1810.03	250.88	-171.34	-25.94	105.49	200.62	260.29	-422.43	-145.64	-16.50	-335.20
		227	1918.15	20.51	-892.29	-25.94	-845.84	200.62	231.03	-376.87	-298.06	152.23	-204.19
		505	1386.74	35.43	-891.51	-10.24	-845.84	200.62	196.30	-157.23	-151.89	190.95	-43.12
		510	1036.06	256.42	-161.17	-10.24	105.49	200.62	185.85	-163.09	0.54	22.23	-174.13
291	9	511	438.68	275.94	-93.54	77.81	104.59	184.25	31.82	-64.15	-31.68	-0.65	-45.41
		227	809.78	114.86	-838.30	77.81	-801.24	184.25	36.43	-64.68	-61.05	32.80	-18.82
		505	721.65	56.37	-840.82	16.78	-801.24	184.25	47.09	-33.05	-30.87	44.91	13.03
		510	277.49	250.10	-128.73	16.78	104.59	184.25	20.00	-10.05	-1.50	11.46	-13.56
291	10	511	1235.05	231.81	-156.49	-19.91	95.22	185.42	168.35	-274.03	-94.73	-10.95	-217.18
		227	1397.34	22.70	-826.91	-19.91	-784.30	185.42	149.95	-244.80	-194.98	100.13	-131.09
		505	1063.51	33.49	-826.34	-8.55	-784.30	185.42	128.05	-101.72	-98.95	125.28	-25.06
		510	728.19	235.88	-149.21	-8.55	95.22	185.42	119.10	-103.59	1.30	14.20	-111.16
291	11	511	220.57	234.32	-141.06	-1.10	94.36	181.52	-0.62	-1.42	-0.66	-1.38	-0.18
		227	566.57	39.56	-811.51	-1.10	-770.86	181.52	5.75	-7.19	-5.85	4.41	3.94
		505	563.61	36.07	-811.69	-4.76	-770.86	181.52	10.13	-9.24	-1.63	2.51	9.46
		510	239.81	232.97	-143.36	-4.76	94.36	181.52	6.48	-6.19	3.56	-3.27	5.34
292	1	510	482.44	24.72	-590.77	22.54	-588.60	-36.51	16.27	-46.90	-37.44	6.81	-22.54
		505	537.13	24.74	-585.03	22.54	-582.84	-36.51	35.60	-29.34	-29.29	35.55	-1.72
		332	432.35	-60.99	-585.39	-63.55	-582.84	-36.51	24.38	-24.25	-9.87	10.00	22.19
		512	406.41	-61.02	-591.12	-63.55	-588.60	-36.51	-16.96	-19.80	-18.01	-18.74	1.37
292	2	510	630.96	-49.69	-604.68	-52.42	-601.96	-38.78	62.02	-142.38	-74.35	-6.02	-96.32
		505	680.41	-49.70	-606.47	-52.42	-603.76	-38.78	92.88	-71.59	-49.69	70.98	-55.87
		332	578.18	-3.78	-606.26	-6.28	-603.76	-38.78	61.76	-8.11	-7.21	60.86	7.89
		512	451.51	-3.77	-604.47	-6.28	-601.96	-38.78	9.48	-57.50	-31.87	-16.14	-32.55
292	3	510	1006.81	-19.89	-542.11	-19.98	-542.02	-6.70	122.57	-264.27	-120.42	-21.28	-186.96
		505	971.31	-19.89	-564.68	-19.98	-564.60	-6.70	175.29	-135.10	-75.52	115.70	-122.24
		332	708.96	-26.89	-564.68	-26.97	-564.60	-6.70	126.18	-5.03	-4.42	125.57	-8.91
		512	520.02	-26.89	-542.11	-26.97	-542.02	-6.70	45.66	-106.40	-49.33	-11.41	-73.63
292	4	510	413.38	-19.85	-543.01	-19.93	-542.93	-6.55	10.30	-27.15	2.01	-18.86	15.55
		505	433.12	-19.85	-564.50	-19.93	-564.42	-6.55	8.69	-29.07	1.13	-21.52	15.10
		332	575.33	-18.38	-564.50	-18.46	-564.42	-6.55	-4.02	-81.20	-6.24	-78.98	12.90
		512	555.30	-18.38	-543.01	-18.46	-542.93	-6.55	-2.94	-78.75	-5.37	-76.32	13.35
292	5	510	409.87	-21.97	-545.94	-22.47	-545.44	-16.17	6.47	-25.35	0.33	-19.21	12.56
		505	421.79	-21.98	-561.54	-22.47	-561.05	-16.17	6.38	-26.26	4.11e-03	-19.89	12.94
		332	565.54	-17.78	-561.53	-18.26	-561.05	-16.17	-4.27	-78.71	-6.39	-76.59	12.39
		512	553.64	-17.76	-545.94	-18.26	-545.44	-16.17	-4.06	-77.92	-6.07	-75.91	12.01
292	6	510	406.99	-13.58	-539.84	-13.85	-539.57	-11.95	2.88	-23.79	-1.30	-19.61	9.69
		505	415.27	-13.59	-556.22	-13.85	-555.95	-11.95	4.25	-23.54	-0.97	-18.31	10.86
		332	554.32	-24.07	-556.22	-24.34	-555.95	-11.95	-4.39	-76.32	-6.43	-74.28	11.94
		512	546.13	-24.06	-539.84	-24.34	-539.57	-11.95	-5.10	-77.22	-6.75	-75.58	10.77
292	7	510	404.67	-17.29	-536.06	-17.49	-535.87	-10.07	4.22	-24.38	-0.61	-19.55	10.72
		505	416.77	-17.30	-555.54	-17.49	-555.35	-10.07	5.04	-24.59	-0.50	-19.05	11.55
		332	558.23	-20.55	-555.54	-20.74	-555.35	-10.07	-4.34	-77.41	-6.36	-75.39	11.98
		512	546.21	-20.54	-536.07	-20.74	-535.87	-10.07	-4.73	-77.64	-6.47	-75.90	11.14
292	8	510	845.97	-16.20	-411.67	-16.33	-411.54	-7.27	105.07	-226.69	-102.84	-18.78	-160.47
		505	801.62	-16.20	-430.45	-16.33	-430.33	-7.27	149.52	-116.35	-64.61	97.78	-105.25
		332	566.88	-18.45	-430.45	-18.58	-430.33	-7.27	105.63	-4.82	-4.11	104.92	-8.82
		512	419.93	-18.45	-411.67	-18.58	-411.54	-7.27	38.86	-92.83	-42.33	-11.64	-64.03
292	9	510	317.59	9.80	-416.57	8.73	-415.50	-21.37	5.93	-24.76	-20.65	1.82	-10.45
		505	352.62	9.80	-416.43	8.73	-415.36	-21.37	17.84	-16.17	-16.14	17.80	1.12
		332	280.70	-38.04	-416.57	-39.25	-415.36	-21.37	10.25	-18.80	-6.07	-2.48	14.42
		512	302.93	-38.04	-416.71	-39.25	-415.50	-21.37	-9.66	-19.38	-10.58	-18.46	2.85
292	10	510	575.60	-14.83	-389.69	-14.89	-389.63	-4.81	64.92	-145.45	-66.75	-13.78	-101.79
		505	578.09	-14.83	-405.28	-14.89	-405.22	-4.81	94.20	-73.69	-41.82	62.33	-65.84

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		332	432.59	-18.87	-405.28	-18.93	-405.22	-4.81	61.85	-3.17	-3.05	61.73	-2.87
		512	323.49	-18.86	-389.69	-18.93	-389.63	-4.81	18.23	-60.59	-27.98	-14.38	-38.82
292	11	510	289.77	-11.33	-388.42	-11.49	-388.26	-7.73	2.95	-16.37	-0.57	-12.86	7.45
		505	296.38	-11.34	-400.57	-11.49	-400.42	-7.73	3.74	-16.27	-0.40	-12.12	8.11
		332	388.81	-17.30	-400.58	-17.46	-400.42	-7.73	-2.53	-50.92	-4.16	-49.30	8.72
		512	382.25	-17.30	-388.42	-17.46	-388.26	-7.73	-2.94	-51.41	-4.32	-50.03	8.07
293	1	513	570.20	60.40	-722.14	60.27	-722.02	-9.96	13.07	-30.79	3.84	-21.56	17.88
		514	575.74	60.40	-723.64	60.27	-723.51	-9.96	1.88	-34.63	-4.22	-28.53	13.62
		516	691.50	-135.77	-723.68	-135.94	-723.51	-9.96	-16.55	-100.93	-17.41	-100.07	8.46
		344	680.90	-135.77	-722.18	-135.94	-722.02	-9.96	-7.45	-94.99	-9.34	-93.10	12.71
293	2	513	544.53	-10.76	-594.45	-14.57	-590.64	46.99	23.95	-52.50	11.85	-40.41	27.90
		514	609.43	-11.16	-661.05	-14.57	-657.63	46.99	3.24	-65.41	-1.08	-61.09	16.68
		516	785.28	-104.30	-661.62	-108.29	-657.63	46.99	-24.05	-151.55	-24.05	-151.55	0.21
		344	705.59	-103.76	-595.17	-108.29	-590.64	46.99	-10.03	-131.95	-11.11	-130.87	11.43
293	3	513	611.13	22.34	-535.07	21.16	-533.89	25.64	40.21	-81.71	22.38	-63.88	43.08
		514	687.91	22.24	-590.32	21.16	-589.25	25.64	8.37	-105.78	3.68	-101.09	22.65
		516	891.60	-128.41	-590.67	-129.84	-589.25	25.64	-31.70	-214.88	-32.00	-214.57	-7.46
		344	780.25	-128.22	-535.51	-129.84	-533.89	25.64	-12.28	-178.38	-13.30	-177.36	12.96
293	4	513	444.72	24.40	-534.15	23.29	-533.04	24.94	8.62	-34.75	-0.56	-25.57	17.72
		514	491.92	24.30	-589.90	23.29	-588.89	24.94	2.69	-42.91	-7.41	-32.81	18.93
		516	616.94	-133.03	-590.25	-134.40	-588.89	24.94	-12.36	-103.81	-14.37	-101.80	13.41
		344	567.20	-132.84	-534.59	-134.40	-533.04	24.94	-5.85	-96.23	-7.52	-94.56	12.19
293	5	513	453.27	19.87	-544.19	18.60	-542.92	26.74	9.31	-35.81	-0.17	-26.32	18.38
		514	501.30	19.76	-599.77	18.60	-598.61	26.74	2.74	-44.25	-7.32	-34.20	19.27
		516	629.76	-128.21	-600.13	-129.73	-598.61	26.74	-12.81	-105.88	-14.73	-103.96	13.22
		344	579.03	-128.01	-544.64	-129.73	-542.92	26.74	-5.90	-97.77	-7.59	-96.08	12.34
293	6	513	459.49	28.90	-545.65	28.08	-544.82	21.73	9.99	-36.88	0.18	-27.08	19.06
		514	505.57	28.83	-597.46	28.08	-596.71	21.73	2.90	-45.46	-7.12	-35.44	19.60
		516	631.13	-134.80	-597.73	-135.82	-596.71	21.73	-13.13	-107.77	-15.00	-105.91	13.16
		344	581.90	-134.67	-545.97	-135.82	-544.82	21.73	-5.95	-99.28	-7.69	-97.55	12.62
293	7	513	448.68	25.32	-532.64	24.30	-531.63	23.79	9.48	-36.28	-0.01	-26.79	18.55
		514	496.04	25.23	-586.96	24.30	-586.03	23.79	2.70	-44.72	-7.17	-34.86	19.25
		516	622.74	-132.44	-587.28	-133.68	-586.03	23.79	-12.98	-106.86	-14.83	-105.01	13.04
		344	572.43	-132.27	-533.04	-133.68	-531.63	23.79	-6.00	-98.62	-7.68	-96.95	12.34
293	8	513	484.91	16.04	-404.85	15.29	-404.10	17.80	32.81	-69.03	18.75	-54.98	35.12
		514	546.66	15.97	-448.26	15.29	-447.58	17.80	6.88	-89.09	3.52	-85.72	17.66
		516	726.90	-98.45	-448.49	-99.36	-447.58	17.80	-26.67	-183.18	-27.00	-182.85	-7.24
		344	635.51	-98.32	-405.13	-99.36	-404.10	17.80	-11.02	-152.84	-11.76	-152.10	10.22
293	9	513	387.29	36.33	-490.85	36.33	-490.85	-0.77	9.20	-21.76	2.27	-14.83	12.90
		514	396.99	36.33	-498.84	36.33	-498.84	-0.77	1.78	-25.34	-3.42	-20.14	10.68
		516	474.63	-95.27	-498.84	-95.27	-498.84	-0.77	-10.78	-68.73	-11.56	-67.95	6.70
		344	461.59	-95.27	-490.85	-95.27	-490.85	-0.77	-4.50	-64.01	-5.87	-62.64	8.92
293	10	513	410.19	15.50	-387.23	14.60	-386.34	19.00	24.15	-49.92	12.57	-38.34	26.90
		514	460.11	15.43	-425.07	14.60	-424.25	19.00	4.75	-64.23	0.97	-60.45	15.70
		516	585.27	-90.80	-425.33	-91.88	-424.25	19.00	-19.63	-131.60	-19.67	-131.56	-2.15
		344	517.01	-90.66	-387.56	-91.88	-386.34	19.00	-7.27	-110.25	-8.07	-109.45	9.06
293	11	513	326.47	19.13	-393.10	18.45	-392.41	16.83	7.48	-25.14	0.24	-17.89	13.56
		514	358.96	19.08	-429.03	18.45	-428.40	16.83	2.40	-31.41	-5.03	-23.97	14.00
		516	441.62	-94.36	-429.24	-95.20	-428.40	16.83	-8.83	-72.58	-10.22	-71.19	9.31
		344	406.91	-94.25	-393.36	-95.20	-392.41	16.83	-3.67	-66.39	-4.95	-65.11	8.87
294	1	515	481.70	490.79	-80.17	242.77	167.85	283.01	41.15	-14.02	27.68	-0.55	23.70
		239	1064.04	295.81	-1267.33	242.77	-1214.29	283.01	43.98	-14.13	43.91	-14.06	-2.05
		509	939.64	91.34	-1275.64	29.99	-1214.29	283.01	20.29	-29.07	14.93	-23.71	-15.36
		514	382.79	390.21	-192.37	29.99	167.85	283.01	5.56	-17.06	-1.30	-10.20	10.40
294	2	515	725.66	390.98	-240.56	16.07	134.35	310.18	130.87	-41.04	92.38	-2.56	71.66
		239	1307.20	87.28	-1335.10	16.07	-1263.90	310.18	149.27	-62.79	149.12	-62.64	-5.63
		509	1195.43	83.06	-1335.33	11.63	-1263.90	310.18	83.88	-118.11	61.63	-95.86	-63.25
		514	423.74	389.18	-243.20	11.63	134.35	310.18	9.28	-40.15	4.90	-35.77	14.05
294	3	515	1064.31	383.14	-140.52	140.36	102.25	261.13	245.97	-76.72	174.20	-4.95	134.20
		239	1654.03	194.60	-1116.96	140.36	-1062.72	261.13	281.62	-123.69	281.46	-123.53	-8.05
		509	1436.70	103.44	-1121.20	44.96	-1062.72	261.13	162.45	-228.33	120.27	-186.15	-121.27
		514	427.47	336.31	-189.09	44.96	102.25	261.13	18.14	-72.70	13.00	-67.56	20.98
294	4	515	392.11	384.18	-137.97	143.87	102.34	260.25	17.00	-18.70	0.51	-2.22	17.80
		239	861.05	197.72	-1114.06	143.87	-1060.21	260.25	17.20	-15.29	5.14	-3.23	15.70
		509	840.79	102.13	-1118.48	43.86	-1060.21	260.25	10.81	-21.06	1.81	-12.06	14.35
		514	377.97	334.99	-188.78	43.86	102.34	260.25	10.02	-23.88	-2.82	-11.05	16.45
294	5	515	408.23	383.09	-149.53	125.61	107.95	266.17	20.69	-19.74	3.25	-2.29	20.02
		239	885.22	181.42	-1143.68	125.61	-1087.86	266.17	19.50	-15.20	9.59	-5.29	15.68
		509	864.92	98.90	-1147.56	39.21	-1087.86	266.17	9.90	-21.31	3.72	-15.13	12.44
		514	386.40	341.96	-194.80	39.21	107.95	266.17	10.07	-24.82	-2.62	-12.13	16.79
294	6	515	417.23	393.89	-130.44	156.79	106.66	260.96	24.40	-20.81	5.96	-2.36	22.22
		239	893.64	210.07	-1121.41	156.79	-1068.13	260.96	22.28	-15.63	13.93	-7.28	15.71

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		509	858.91	104.29	-1126.21	46.21	-1068.13	260.96	9.70	-22.15	5.61	-18.06	10.66
		514	381.94	339.14	-186.27	46.21	106.66	260.96	10.24	-25.74	-2.37	-13.14	17.16
294	7	515	406.83	382.81	-135.08	145.74	102.00	258.02	22.66	-20.17	4.83	-2.33	21.11
		239	874.08	198.90	-1106.45	145.74	-1053.28	258.02	20.92	-15.27	12.09	-6.45	15.54
		509	845.16	102.53	-1110.88	44.93	-1053.28	258.02	9.62	-21.60	4.83	-16.81	11.25
		514	376.84	333.06	-186.13	44.93	102.00	258.02	10.02	-25.16	-2.44	-12.70	16.82
294	8	515	874.66	291.70	-109.21	103.73	78.76	200.07	208.42	-64.15	148.45	-4.18	112.91
		239	1341.06	145.45	-855.52	103.73	-813.79	200.07	239.70	-105.38	239.51	-105.19	-8.12
		509	1169.19	78.57	-858.65	33.71	-813.79	200.07	139.08	-195.16	102.36	-158.43	-104.53
		514	335.56	257.57	-145.10	33.71	78.76	200.07	15.06	-61.18	11.30	-57.42	16.51
294	9	515	328.87	331.36	-67.35	155.19	108.82	198.00	25.78	-10.63	15.74	-0.60	16.27
		239	725.61	193.06	-880.24	155.19	-842.38	198.00	25.75	-8.53	25.69	-8.48	1.36
		509	652.79	65.38	-885.57	22.19	-842.38	198.00	10.43	-16.70	8.79	-15.07	-6.46
		514	272.07	268.19	-137.18	22.19	108.82	198.00	4.81	-13.15	-1.16	-7.19	8.46
294	10	515	650.07	271.64	-100.96	98.30	72.38	185.85	139.46	-45.36	97.14	-3.04	77.66
		239	1044.16	136.89	-796.76	98.30	-758.17	185.85	157.68	-69.32	157.67	-69.30	-1.98
		509	907.13	72.11	-799.77	30.51	-758.17	185.85	89.23	-127.23	67.31	-105.32	-65.29
		514	292.60	238.46	-135.58	30.51	72.38	185.85	10.90	-43.17	6.79	-39.06	14.34
294	11	515	294.44	277.59	-95.34	107.42	74.83	185.75	16.71	-14.64	3.68	-1.61	15.45
		239	632.69	145.48	-799.23	107.42	-761.17	185.75	15.33	-11.00	9.04	-4.71	11.23
		509	609.39	72.58	-802.56	31.20	-761.17	185.75	6.99	-15.31	3.61	-11.93	8.00
		514	271.89	240.04	-134.02	31.20	74.83	185.75	7.43	-18.01	-1.75	-8.82	12.22
295	1	514	561.41	14.05	-725.51	12.66	-724.12	-31.97	0.88	-28.49	0.14	-27.74	4.61
		509	457.44	14.30	-612.79	12.66	-611.16	-31.97	14.61	-9.70	13.23	-8.33	-5.61
		338	586.87	-96.53	-613.14	-98.51	-611.16	-31.97	-5.30	-82.45	-6.56	-81.19	9.75
		516	701.70	-96.88	-725.75	-98.51	-724.12	-31.97	-14.99	-105.27	-19.65	-100.61	19.98
295	2	514	624.71	4.27	-655.25	2.80	-653.79	31.06	29.04	-53.96	28.73	-53.65	5.07
		509	595.88	4.34	-624.36	2.80	-622.82	31.06	52.96	-49.80	42.44	-39.28	-31.15
		338	762.70	-59.92	-624.54	-61.63	-622.82	31.06	-5.87	-143.89	-8.89	-140.87	-20.20
		516	811.43	-60.01	-655.41	-61.63	-653.79	31.06	-20.69	-157.15	-22.60	-155.24	16.03
295	3	514	739.26	35.20	-587.33	34.02	-586.15	27.08	65.86	-85.44	65.39	-84.97	8.39
		509	766.01	35.26	-557.92	34.02	-556.68	27.08	99.56	-98.86	78.76	-78.06	-60.78
		338	931.29	-89.44	-558.25	-91.01	-556.68	27.08	2.04	-230.15	-12.47	-215.64	-56.21
		516	930.72	-89.53	-587.62	-91.01	-586.15	27.08	-24.99	-223.40	-25.84	-222.55	12.96
295	4	514	488.02	34.21	-586.50	33.00	-585.28	27.42	-0.81	-38.40	-6.78	-32.44	13.73
		509	457.00	34.28	-554.92	33.00	-553.64	27.42	8.58	-30.33	1.82	-23.57	14.74
		338	599.97	-82.47	-555.24	-84.07	-553.64	27.42	-0.46	-98.17	-5.44	-93.19	21.49
		516	633.60	-82.57	-586.78	-84.07	-585.28	27.42	-9.51	-106.59	-14.04	-102.05	20.48
295	5	514	496.81	29.59	-595.96	28.59	-594.96	24.92	0.15	-39.26	-5.62	-33.49	13.93
		509	464.18	29.64	-562.93	28.59	-561.88	24.92	8.68	-30.51	2.98	-24.81	13.82
		338	611.40	-77.57	-563.16	-78.85	-561.88	24.92	-1.24	-100.13	-5.65	-95.72	20.41
		516	646.55	-77.65	-596.16	-78.85	-594.96	24.92	-9.80	-108.85	-14.25	-104.40	20.52
295	6	514	501.58	35.70	-594.07	34.93	-593.29	22.05	1.25	-40.09	-4.40	-34.44	14.21
		509	466.19	35.75	-556.97	34.93	-556.15	22.05	8.95	-30.85	4.13	-26.03	12.99
		338	610.21	-84.71	-557.18	-85.74	-556.15	22.05	-1.94	-101.99	-5.84	-98.10	19.35
		516	648.48	-84.78	-594.25	-85.74	-593.29	22.05	-9.99	-110.89	-14.37	-106.50	20.57
295	7	514	492.87	35.07	-583.47	34.04	-582.44	25.04	0.72	-39.60	-4.87	-34.01	13.93
		509	461.05	35.13	-551.46	34.04	-550.37	25.24	8.71	-30.63	3.65	-25.57	13.17
		338	605.35	-82.24	-551.73	-83.60	-550.37	25.24	-1.74	-101.09	-5.75	-97.07	19.56
		516	639.98	-82.32	-583.71	-83.60	-582.44	25.24	-9.95	-109.84	-14.27	-105.52	20.32
295	8	514	592.25	26.48	-445.86	25.68	-445.07	19.32	56.35	-72.35	56.06	-72.06	6.08
		509	624.98	26.51	-424.55	25.68	-423.72	19.32	85.18	-85.54	66.79	-67.15	-52.93
		338	768.94	-66.93	-424.76	-67.98	-423.72	19.32	2.22	-197.93	-11.05	-184.66	-49.80
		516	758.64	-66.99	-446.06	-67.98	-445.07	19.32	-21.28	-190.08	-21.78	-189.58	9.20
295	9	514	387.24	10.83	-499.12	10.47	-498.75	-13.58	0.35	-20.71	-0.78	-19.58	4.75
		509	321.62	10.89	-430.57	10.47	-430.15	-13.58	7.92	-7.31	7.86	-7.26	-0.91
		338	411.67	-67.44	-430.66	-67.95	-430.15	-13.58	-2.64	-57.46	-4.10	-56.01	8.81
		516	482.73	-67.52	-499.18	-67.95	-498.75	-13.58	-9.20	-71.87	-12.73	-68.33	14.46
295	10	514	485.54	23.16	-422.93	22.33	-422.10	19.22	36.01	-51.91	35.47	-51.37	6.84
		509	486.01	23.21	-400.76	22.33	-399.88	19.22	54.20	-55.94	44.27	-46.00	-31.56
		338	596.07	-62.69	-400.98	-63.78	-399.88	19.22	-1.39	-136.69	-7.38	-130.70	-27.84
		516	610.14	-62.75	-423.13	-63.78	-422.10	19.22	-15.25	-137.00	-16.18	-136.07	10.56
295	11	514	355.52	23.44	-426.67	22.84	-426.07	16.43	0.90	-27.50	-3.30	-23.30	10.08
		509	329.90	23.48	-400.23	22.84	-399.59	16.43	6.56	-20.85	2.81	-17.09	9.42
		338	426.28	-60.06	-400.38	-60.85	-399.59	16.43	-0.61	-68.49	-3.70	-65.40	14.14
		516	453.88	-60.12	-426.81	-60.85	-426.07	16.43	-6.44	-74.96	-9.80	-71.61	14.79
296	1	517	872.82	95.21	-1006.39	94.97	-1006.15	16.28	-8.13	-68.47	-9.02	-67.57	7.29
		518	659.39	95.26	-802.72	94.97	-802.43	16.28	8.95	-30.78	7.03	-28.87	8.51
		520	733.60	-130.74	-802.82	-131.14	-802.43	16.28	19.23	-94.13	2.52	-77.43	40.18
		350	946.02	-130.84	-1006.45	-131.14	-1006.15	16.28	-0.42	-129.25	-13.54	-116.13	38.97
296	2	517	775.81	81.33	-845.85	81.23	-845.75	9.52	-6.54	-74.30	-8.42	-72.42	11.12
		518	584.21	81.36	-644.47	81.23	-644.34	9.52	5.45	-48.30	1.56	-44.40	13.93

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		520	680.98	-112.80	-644.51	-112.97	-644.34	9.52	10.63	-111.23	-1.92	-98.68	37.03
		350	869.81	-112.85	-845.88	-112.97	-845.75	9.52	-2.47	-136.13	-11.90	-126.70	34.22
296	3	517	801.16	105.11	-828.11	104.79	-827.79	-17.27	-3.98	-87.26	-8.15	-83.10	18.15
		518	608.56	105.21	-601.77	104.79	-601.35	-17.27	4.09	-71.07	-3.53	-63.46	22.68
		520	711.98	-115.21	-601.96	-115.82	-601.35	-17.27	5.59	-137.18	-6.08	-125.50	39.12
		350	901.67	-115.40	-828.21	-115.82	-827.79	-17.27	-2.32	-153.52	-10.70	-145.14	34.59
296	4	517	746.50	106.27	-828.46	105.91	-828.11	-18.09	-8.54	-64.49	-9.18	-63.85	5.95
		518	527.26	106.38	-602.25	105.91	-601.78	-18.09	6.33	-31.51	4.61	-29.80	7.86
		520	595.78	-116.29	-602.46	-116.96	-601.78	-18.09	14.42	-92.82	0.76	-79.15	35.76
		350	814.87	-116.50	-828.57	-116.96	-828.11	-18.09	-2.67	-123.57	-13.04	-113.20	33.85
296	5	517	750.95	101.76	-833.70	101.59	-833.53	-12.58	-8.70	-65.50	-9.38	-64.82	6.16
		518	533.12	101.82	-610.22	101.59	-610.00	-12.58	6.31	-32.39	4.51	-30.59	8.15
		520	605.13	-115.89	-610.32	-116.21	-610.00	-12.58	14.61	-93.73	0.74	-79.87	36.19
		350	822.18	-115.99	-833.75	-116.21	-833.53	-12.58	-2.65	-124.60	-13.14	-114.10	34.21
296	6	517	765.50	108.40	-848.36	108.09	-848.05	-17.11	-8.88	-66.64	-9.60	-65.92	6.40
		518	543.28	108.50	-619.17	108.09	-618.76	-17.11	6.36	-33.24	4.46	-31.34	8.46
		520	611.15	-118.66	-619.35	-119.24	-618.76	-17.11	14.95	-94.73	0.78	-80.55	36.79
		350	832.95	-118.84	-848.45	-119.24	-848.05	-17.11	-2.57	-125.85	-13.28	-115.13	34.73
296	7	517	749.61	106.45	-829.59	106.11	-829.26	-17.80	-8.60	-65.46	-9.30	-64.76	6.26
		518	529.80	106.55	-602.10	106.11	-601.66	-17.80	6.22	-32.74	4.37	-30.89	8.29
		520	599.24	-116.18	-602.31	-116.83	-601.66	-17.80	14.33	-94.13	0.61	-80.42	36.05
		350	818.67	-116.39	-829.70	-116.83	-829.26	-17.80	-2.69	-124.67	-13.06	-114.30	34.02
296	8	517	626.54	79.78	-635.71	79.52	-635.46	-13.40	-3.04	-71.51	-6.35	-68.21	14.67
		518	474.43	79.86	-453.41	79.52	-453.07	-13.40	2.33	-60.26	-3.84	-54.09	18.66
		520	571.69	-86.86	-453.56	-87.35	-453.07	-13.40	2.38	-116.85	-6.05	-108.42	30.56
		350	721.36	-87.02	-635.79	-87.35	-635.46	-13.40	-2.67	-128.43	-8.56	-122.54	26.57
296	9	517	598.46	67.85	-688.81	67.76	-688.72	8.11	-5.72	-47.09	-6.38	-46.43	5.20
		518	449.07	67.87	-545.03	67.76	-544.92	8.11	6.27	-21.04	4.86	-19.63	6.04
		520	495.65	-91.16	-545.07	-91.30	-544.92	8.11	13.83	-63.69	1.91	-51.77	27.96
		350	644.41	-91.19	-688.83	-91.30	-688.72	8.11	0.03	-87.93	-9.33	-78.57	27.12
296	10	517	558.59	73.39	-589.80	73.22	-589.63	-10.53	-3.45	-57.50	-5.89	-55.05	11.24
		518	420.60	73.44	-433.43	73.22	-433.21	-10.53	3.56	-43.41	-1.01	-38.84	13.92
		520	483.52	-82.48	-433.53	-82.79	-433.21	-10.53	6.00	-87.35	-2.87	-78.48	27.37
		350	619.63	-82.57	-589.85	-82.79	-589.63	-10.53	-1.23	-101.21	-7.76	-94.69	24.69
296	11	517	538.83	75.22	-601.05	75.06	-600.89	-10.44	-6.14	-46.07	-6.70	-45.51	4.71
		518	384.59	75.27	-443.09	75.06	-442.88	-10.44	4.83	-22.40	3.43	-21.00	6.02
		520	427.58	-84.39	-443.19	-84.69	-442.88	-10.44	11.42	-63.98	0.94	-53.51	26.08
		350	581.54	-84.48	-601.10	-84.69	-600.89	-10.44	-1.20	-86.00	-9.19	-78.02	24.77
297	1	519	455.21	564.32	-82.07	244.60	237.65	323.17	11.17	-12.57	2.31	-3.71	11.48
		251	1162.25	303.70	-1522.46	244.60	-1463.36	323.17	16.15	-13.03	4.14	-1.02	14.36
		513	1099.79	44.51	-1532.62	-24.75	-1463.36	323.17	16.22	-20.76	6.09	-10.64	16.49
		518	453.76	455.24	-242.34	-24.75	237.65	323.17	11.67	-20.74	4.26	-13.33	13.61
297	2	519	389.03	444.10	-36.89	231.99	175.22	238.81	14.99	-24.70	-4.10	-5.62	19.83
		251	923.54	273.73	-1134.34	231.99	-1092.60	238.81	23.71	-29.33	0.49	-6.11	26.32
		513	876.47	11.76	-1144.25	-39.88	-1092.60	238.81	20.43	-37.75	5.50	-22.82	25.41
		518	370.34	329.58	-194.24	-39.88	175.22	238.81	11.50	-32.91	0.90	-22.32	18.93
297	3	519	403.59	444.28	29.78	308.84	165.21	194.41	22.33	-42.53	-11.63	-8.56	32.39
		251	887.13	338.38	-970.76	308.84	-941.23	194.41	35.78	-51.90	-3.51	-12.61	43.60
		513	832.08	10.69	-980.93	-29.01	-941.23	194.41	28.71	-61.07	5.56	-37.92	39.27
		518	356.35	285.42	-149.22	-29.01	165.21	194.41	13.92	-50.35	-2.56	-33.87	28.06
297	4	519	326.79	445.51	31.29	311.72	165.08	193.70	8.78	-13.05	-0.50	-3.76	10.79
		251	811.21	341.02	-968.96	311.72	-939.66	193.70	13.95	-16.37	-0.51	-1.91	15.15
		513	718.54	10.36	-979.15	-29.13	-939.66	193.70	13.89	-22.76	3.00	-11.87	16.74
		518	292.00	284.65	-148.70	-29.13	165.08	193.70	9.59	-20.31	3.01	-13.72	12.39
297	5	519	332.13	444.30	19.47	296.17	167.60	202.46	9.05	-13.68	-0.78	-3.85	11.26
		251	827.25	327.79	-1000.37	296.17	-968.76	202.46	14.50	-17.22	-0.64	-2.08	15.84
		513	742.43	10.57	-1010.61	-31.28	-968.76	202.46	14.31	-23.70	3.06	-12.46	17.35
		518	303.78	293.72	-157.40	-31.28	167.60	202.46	9.73	-21.03	2.92	-14.22	12.77
297	6	519	338.95	457.37	28.60	314.29	171.68	202.18	9.36	-14.34	-1.04	-3.94	11.76
		251	839.34	345.28	-1004.91	314.29	-973.92	202.18	15.08	-18.07	-0.75	-2.24	16.56
		513	748.78	12.35	-1015.37	-29.10	-973.92	202.18	14.79	-24.67	3.14	-13.02	18.00
		518	305.56	297.03	-154.44	-29.10	171.68	202.18	9.92	-21.79	2.85	-14.72	13.20
297	7	519	328.59	445.03	31.07	310.94	165.17	193.73	9.14	-13.95	-0.92	-3.90	11.45
		251	811.97	340.29	-967.60	310.94	-938.25	193.73	14.64	-17.56	-0.72	-2.21	16.08
		513	721.20	10.23	-977.82	-29.33	-938.25	193.73	14.36	-24.04	3.03	-12.71	17.52
		518	293.85	284.68	-148.85	-29.33	165.17	193.73	9.71	-21.28	2.83	-14.40	12.88
297	8	519	314.70	339.66	26.39	235.36	130.70	147.63	18.20	-35.23	-9.92	-7.11	26.68
		251	682.30	257.77	-737.11	235.36	-714.69	147.63	29.22	-42.98	-3.03	-10.74	35.89
		513	643.71	4.21	-745.01	-26.11	-714.69	147.63	22.98	-50.80	4.35	-32.17	32.05
		518	277.72	219.46	-114.87	-26.11	130.70	147.63	10.74	-41.82	-2.54	-28.54	22.84
297	9	519	303.85	379.37	-45.19	179.41	154.76	211.92	7.69	-9.11	1.19	-2.62	8.18
		251	776.22	217.30	-1006.09	179.41	-968.20	211.92	11.30	-9.90	2.23	-0.83	10.49

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		513	729.42	28.31	-1013.27	-16.76	-968.20	211.92	11.45	-14.97	3.93	-7.44	11.92
		518	300.08	297.62	-159.61	-16.76	154.76	211.92	8.20	-14.54	2.89	-9.23	9.62
297	10	519	276.01	313.93	15.69	215.11	114.52	140.39	13.88	-25.74	-6.55	-5.31	19.80
		251	622.87	236.65	-699.67	215.11	-678.13	140.39	22.22	-31.51	-2.02	-7.27	26.73
		513	580.45	9.54	-706.79	-19.12	-678.13	140.39	18.37	-37.34	3.63	-22.61	24.58
		518	245.65	203.17	-107.78	-19.12	114.52	140.39	9.44	-30.99	-0.90	-20.65	17.64
297	11	519	240.31	321.22	15.02	218.13	118.11	144.70	6.70	-10.11	-0.66	-2.75	8.34
		251	597.00	240.49	-718.65	218.13	-696.30	144.70	10.73	-12.72	-0.48	-1.51	11.71
		513	534.42	10.46	-725.92	-19.17	-696.30	144.70	10.66	-17.14	2.29	-8.77	12.76
		518	217.76	209.63	-110.69	-19.17	118.11	144.70	7.22	-15.12	2.11	-10.01	9.39
298	1	518	603.33	-29.34	-821.61	-43.18	-807.78	-103.79	16.05	-37.08	5.65	-26.68	21.08
		513	553.82	-27.73	-740.44	-43.18	-724.99	-103.79	7.35	-37.19	0.71	-30.55	15.86
		344	673.42	-65.76	-741.33	-82.10	-724.99	-103.79	-9.18	-86.99	-11.43	-84.74	13.04
		520	721.72	-67.55	-822.33	-82.10	-807.78	-103.79	-2.25	-85.11	-6.49	-80.87	18.26
298	2	518	527.73	-47.31	-662.66	-59.36	-650.61	-85.28	18.40	-52.72	5.24	-39.57	27.61
		513	516.71	-46.03	-604.77	-59.36	-591.44	-85.28	4.36	-64.07	-4.77	-54.94	23.27
		344	670.28	-63.06	-605.20	-76.82	-591.44	-85.28	-15.96	-120.25	-17.15	-119.06	11.07
		520	678.42	-64.42	-663.01	-76.82	-650.61	-85.28	-4.74	-106.10	-7.14	-103.70	15.41
298	3	518	548.96	-28.70	-631.30	-51.12	-608.88	-114.06	24.36	-75.34	5.42	-56.40	39.11
		513	557.36	-25.61	-561.06	-51.12	-535.55	-114.06	3.06	-99.52	-10.84	-85.62	35.11
		344	737.15	-58.10	-562.80	-85.35	-535.55	-114.06	-23.21	-161.90	-24.19	-160.92	11.64
		520	723.73	-61.58	-632.65	-85.35	-608.88	-114.06	-5.99	-133.65	-7.93	-131.70	15.63
298	4	518	468.96	-28.79	-631.78	-51.28	-609.29	-114.27	12.35	-36.64	3.14	-27.42	19.15
		513	429.77	-25.63	-560.20	-51.28	-534.54	-114.27	5.72	-39.73	-1.28	-32.73	16.41
		344	558.03	-57.51	-561.91	-84.88	-534.54	-114.27	-8.94	-89.80	-10.85	-87.89	12.29
		520	596.26	-61.06	-633.11	-84.88	-609.29	-114.27	-3.58	-85.44	-6.44	-82.58	15.03
298	5	518	474.68	-32.45	-637.69	-52.91	-617.24	-109.37	12.73	-37.50	3.23	-27.99	19.68
		513	437.30	-29.67	-567.60	-52.91	-544.36	-109.37	5.80	-40.99	-1.45	-33.74	16.93
		344	567.62	-57.69	-568.94	-82.27	-544.36	-109.37	-9.13	-91.17	-11.07	-89.24	12.46
		520	603.99	-60.78	-638.73	-82.27	-617.24	-109.37	-3.51	-86.37	-6.40	-83.48	15.21
298	6	518	483.09	-28.98	-648.65	-51.33	-626.30	-115.56	13.21	-38.40	3.34	-28.53	20.29
		513	442.12	-25.69	-572.20	-51.33	-546.56	-115.56	5.94	-42.28	-1.61	-34.73	17.52
		344	572.25	-58.01	-573.89	-85.35	-546.56	-115.56	-9.32	-92.53	-11.31	-90.55	12.69
		520	612.05	-61.69	-649.95	-85.35	-626.30	-115.56	-3.40	-87.30	-6.35	-84.35	15.47
298	7	518	470.87	-28.98	-631.66	-51.49	-609.15	-114.28	12.76	-37.83	3.20	-28.27	19.81
		513	432.23	-25.75	-558.94	-51.49	-533.20	-114.28	5.70	-41.60	-1.59	-34.30	17.08
		344	562.58	-56.75	-560.61	-84.15	-533.20	-114.28	-9.33	-91.95	-11.23	-90.05	12.38
		520	600.14	-60.36	-632.95	-84.15	-609.15	-114.28	-3.60	-86.86	-6.44	-84.02	15.11
298	8	518	427.25	-23.52	-478.31	-42.93	-458.90	-91.93	19.18	-63.01	4.13	-47.96	31.79
		513	440.91	-20.94	-427.34	-42.93	-405.35	-91.93	1.51	-83.95	-9.54	-72.91	28.67
		344	601.17	-38.99	-428.42	-62.06	-405.35	-91.93	-20.17	-139.28	-20.79	-138.66	8.60
		520	583.66	-41.80	-479.16	-62.06	-458.90	-91.93	-5.85	-114.99	-7.12	-113.71	11.72
298	9	518	409.68	-20.63	-558.73	-30.45	-548.91	-72.03	11.21	-25.65	3.75	-18.20	14.81
		513	376.45	-19.48	-503.68	-30.45	-492.72	-72.03	5.33	-25.98	0.36	-21.02	11.44
		344	454.95	-47.92	-504.38	-59.58	-492.72	-72.03	-5.86	-58.60	-7.58	-56.89	9.36
		520	487.28	-49.20	-559.29	-59.58	-548.91	-72.03	-1.13	-57.13	-4.19	-54.07	12.73
298	10	518	379.05	-20.40	-452.87	-34.86	-438.41	-77.73	15.82	-46.90	3.62	-34.71	24.82
		513	377.99	-18.48	-403.85	-34.86	-387.47	-77.73	2.93	-60.59	-6.06	-51.61	22.14
		344	490.36	-43.81	-405.06	-61.39	-387.47	-77.73	-13.81	-100.07	-14.67	-99.21	8.58
		520	488.38	-45.99	-453.81	-61.39	-438.41	-77.73	-3.38	-83.92	-4.99	-82.31	11.27
298	11	518	342.80	-20.54	-462.52	-34.98	-448.09	-78.57	9.63	-26.38	2.47	-19.22	14.37
		513	314.33	-18.52	-410.05	-34.98	-393.59	-78.57	4.55	-28.81	-0.93	-23.34	12.36
		344	398.69	-43.74	-411.23	-61.38	-393.59	-78.57	-5.96	-61.66	-7.51	-60.11	9.17
		520	426.29	-46.03	-463.44	-61.38	-448.09	-78.57	-1.81	-58.31	-4.11	-56.00	11.18
299	1	521	683.37	-0.55	-979.53	-1.30	-978.77	27.20	28.03	-11.07	4.09	12.87	19.05
		522	700.33	-0.57	-1006.79	-1.30	-1006.06	27.20	21.59	-3.42	4.71	13.45	11.72
		524	662.01	-167.20	-1006.94	-168.08	-1006.06	27.20	20.05	-9.54	-3.19	13.69	12.15
		335	645.28	-167.17	-979.68	-168.08	-978.77	27.20	25.90	-16.60	-3.81	13.11	19.49
299	2	521	744.54	1.49	-1006.07	1.46	-1006.04	5.85	42.75	-8.25	6.37	28.13	23.06
		522	748.45	1.49	-1025.67	1.46	-1025.64	5.85	33.40	-1.34	5.92	26.14	14.12
		524	710.20	-187.53	-1025.68	-187.57	-1025.64	5.85	32.57	-7.78	-3.48	28.27	12.45
		335	706.29	-187.53	-1006.08	-187.57	-1006.04	5.85	40.72	-13.48	-3.03	30.26	21.39
299	3	521	977.09	-27.66	-1157.83	-31.73	-1153.76	-67.71	87.72	2.02	10.39	79.36	25.43
		522	932.59	-27.57	-1132.62	-31.73	-1128.45	-67.71	74.10	1.32	6.30	69.12	18.37
		524	905.43	-104.65	-1132.93	-109.13	-1128.45	-67.71	67.72	-3.11	-1.67	66.28	9.98
		335	949.21	-104.76	-1158.13	-109.13	-1153.76	-67.71	80.25	-1.31	2.42	76.52	17.04
299	4	521	904.43	-16.27	-1146.93	-18.61	-1144.59	-51.38	8.46	-59.67	2.64	-53.85	19.05
		522	885.82	-16.25	-1139.10	-18.61	-1136.74	-51.38	9.49	-47.99	7.86	-46.34	9.58
		524	836.43	-120.35	-1139.34	-122.95	-1136.74	-51.38	2.88	-49.67	-2.18	-44.60	15.51
		335	857.56	-120.37	-1147.17	-122.95	-1144.59	-51.38	3.78	-63.27	-7.38	-52.11	24.98
299	5	521	758.83	-3.32	-1032.31	-3.35	-1032.28	-5.88	15.78	-30.77	6.92	-21.91	18.28
		522	762.59	-3.32	-1055.20	-3.35	-1055.17	-5.88	14.38	-19.05	11.64	-16.31	9.17

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		524	715.12	-164.43	-1055.21	-164.47	-1055.17	-5.88	7.53	-27.61	1.20	-21.28	13.50
		335	714.58	-164.43	-1032.32	-164.47	-1032.28	-5.88	10.25	-40.64	-3.52	-26.88	22.61
299	6	521	664.20	4.96	-975.20	3.77	-974.01	34.10	27.35	-13.48	9.17	4.69	20.29
		522	679.83	4.92	-1009.90	3.77	-1008.75	34.10	21.36	-3.35	11.69	6.31	12.06
		524	630.49	-172.84	-1010.14	-174.23	-1008.75	34.10	14.70	-11.73	2.14	0.83	13.20
		335	617.19	-172.78	-975.46	-174.23	-974.01	34.10	20.85	-22.02	-0.38	-0.79	21.43
299	7	521	672.64	-19.40	-982.32	-20.30	-981.43	29.34	32.63	-14.10	7.23	11.29	23.28
		522	684.65	-19.43	-1010.92	-20.30	-1010.06	29.34	25.08	-7.52	7.66	9.90	16.27
		524	652.83	-156.79	-1011.06	-157.80	-1010.06	29.34	20.36	-11.07	0.01	9.27	15.02
		335	640.69	-156.76	-982.47	-157.80	-981.43	29.34	27.84	-17.59	-0.42	10.66	22.03
299	8	521	770.45	-20.24	-895.94	-24.17	-892.01	-58.52	72.59	2.27	8.21	66.64	19.57
		522	732.82	-20.13	-873.61	-24.17	-869.58	-58.52	61.58	1.14	4.68	58.04	14.18
		524	711.69	-75.96	-873.90	-80.27	-869.58	-58.52	56.52	-2.31	-1.43	55.64	7.14
		335	748.75	-76.08	-896.21	-80.27	-892.01	-58.52	66.66	-0.33	2.10	64.23	12.53
299	9	521	490.49	-4.66	-706.55	-5.12	-706.09	17.96	20.80	-8.45	3.43	8.93	14.36
		522	500.55	-4.68	-724.53	-5.12	-724.08	17.96	15.95	-3.07	3.86	9.03	9.15
		524	475.04	-116.92	-724.61	-117.45	-724.08	17.96	14.36	-7.00	-1.76	9.12	9.19
		335	465.08	-116.91	-706.64	-117.45	-706.09	17.96	18.87	-12.04	-2.19	9.02	14.41
299	10	521	653.55	-20.48	-804.85	-22.03	-803.31	-34.77	52.85	-0.05	6.93	45.86	17.91
		522	629.30	-20.46	-793.65	-22.03	-792.08	-34.77	44.14	0.55	4.74	39.95	12.85
		524	609.98	-83.00	-793.79	-84.71	-792.08	-34.77	39.90	-2.48	-0.92	38.34	7.99
		335	633.76	-83.03	-804.99	-84.71	-803.31	-34.77	47.90	-2.38	1.27	44.25	13.04
299	11	521	474.57	-1.63	-704.12	-2.31	-703.45	21.79	20.40	-9.76	6.25	4.38	15.05
		522	486.85	-1.65	-726.24	-2.31	-725.58	21.79	15.84	-3.04	7.74	5.06	9.34
		524	453.39	-120.09	-726.36	-120.87	-725.58	21.79	11.37	-8.20	1.20	1.98	9.77
		335	441.35	-120.06	-704.26	-120.87	-703.45	21.79	16.01	-15.00	-0.28	1.30	15.48
300	1	523	595.92	201.45	-606.89	174.80	-580.24	144.31	46.82	-32.83	14.36	-0.37	39.14
		277	1120.52	187.90	-1415.39	174.80	-1402.29	144.31	9.13	-54.30	-9.19	-35.98	28.75
		525	1001.14	64.25	-1416.49	50.05	-1402.29	144.31	-18.74	-22.64	-18.81	-22.57	0.51
		522	447.69	81.52	-611.72	50.05	-580.24	144.31	20.55	-2.78	4.74	13.04	10.91
300	2	523	617.35	243.55	-606.66	220.39	-583.49	138.41	55.16	-31.52	18.56	5.08	42.81
		277	1129.55	232.12	-1411.83	220.39	-1400.09	138.41	13.33	-50.74	-5.56	-31.86	29.21
		525	977.75	66.31	-1413.15	53.24	-1400.09	138.41	-14.11	-18.12	-18.12	-14.11	-0.11
		522	470.15	82.03	-612.28	53.24	-583.49	138.41	30.31	-1.49	6.00	22.83	13.49
300	3	523	556.50	127.91	-618.45	118.21	-608.75	84.53	91.55	-30.17	20.65	40.73	60.03
		277	1077.20	122.70	-1473.91	118.21	-1469.42	84.53	37.78	-51.80	-6.13	-7.88	44.78
		525	1053.81	-0.88	-1474.28	-5.75	-1469.42	84.53	18.40	-20.40	-19.55	17.55	5.68
		522	571.06	5.88	-620.37	-5.75	-608.75	84.53	72.84	0.55	7.23	66.16	20.93
300	4	523	686.98	118.63	-700.44	113.60	-695.40	64.04	18.42	-58.16	13.26	-53.00	19.19
		277	1158.08	116.28	-1412.86	113.60	-1410.18	64.04	-2.47	-68.76	-4.54	-66.68	11.53
		525	1097.27	3.47	-1413.08	0.57	-1410.18	64.04	-12.42	-63.88	-12.47	-63.83	1.59
		522	615.91	6.41	-701.24	0.57	-695.40	64.04	6.84	-51.65	5.34	-50.15	9.25
300	5	523	637.74	190.91	-635.32	174.20	-618.61	116.31	36.22	-38.53	19.65	-21.96	31.05
		277	1158.37	182.67	-1422.95	174.20	-1414.48	116.31	4.01	-59.89	-4.91	-50.97	22.14
		525	1063.93	45.98	-1423.74	36.72	-1414.48	116.31	-13.74	-44.50	-13.75	-44.49	-0.30
		522	512.98	56.75	-638.64	36.72	-618.61	116.31	13.37	-18.05	10.81	-15.48	8.60
300	6	523	616.02	206.36	-607.77	177.63	-579.04	150.21	51.66	-31.42	21.60	-1.37	39.92
		277	1136.07	191.78	-1416.82	177.63	-1402.67	150.21	13.44	-55.32	-4.44	-37.45	30.16
		525	1023.49	62.91	-1418.06	47.52	-1402.67	150.21	-13.63	-28.25	-13.85	-28.03	1.78
		522	460.27	81.67	-613.19	47.52	-579.04	150.21	21.84	-1.61	12.19	8.05	11.54
300	7	523	601.72	152.45	-611.90	122.46	-581.91	148.40	53.85	-37.48	17.45	-1.08	44.72
		277	1122.65	136.75	-1419.52	122.46	-1405.23	148.40	16.76	-60.35	-5.86	-37.73	35.11
		525	1016.54	45.59	-1420.41	30.41	-1405.23	148.40	-12.27	-28.66	-14.84	-26.09	5.96
		522	453.75	64.48	-615.98	30.41	-581.91	148.40	25.11	-6.09	8.47	10.55	15.56
300	8	523	439.11	98.84	-472.39	92.30	-465.85	60.77	73.71	-22.71	16.07	34.93	47.27
		277	822.71	95.31	-1134.61	92.30	-1131.60	60.77	31.04	-39.27	-4.77	-3.46	35.15
		525	820.88	-2.81	-1134.87	-6.08	-1131.60	60.77	17.71	-15.94	-15.40	17.17	4.24
		522	449.75	1.82	-473.75	-6.08	-465.85	60.77	60.43	0.57	5.45	55.56	16.37
300	9	523	426.07	133.18	-436.31	114.27	-417.39	102.05	34.48	-24.27	10.75	-0.53	28.83
		277	798.53	123.53	-1010.17	114.27	-1000.91	102.05	7.73	-39.69	-5.98	-25.98	21.50
		525	715.89	41.11	-1010.91	31.11	-1000.91	102.05	-12.37	-17.05	-12.78	-16.64	1.31
		522	316.70	53.24	-439.52	31.11	-417.39	102.05	15.35	-2.60	3.95	8.80	8.64
300	10	523	391.85	91.85	-442.25	82.83	-433.22	68.84	58.91	-22.36	14.24	22.30	40.43
		277	774.54	87.04	-1042.42	82.83	-1038.20	68.84	23.24	-37.88	-4.28	-10.37	30.41
		525	727.95	4.66	-1042.75	0.11	-1038.20	68.84	6.53	-14.08	-13.19	5.65	4.19
		522	384.36	10.79	-443.90	0.11	-433.22	68.84	43.59	0.06	5.33	38.32	14.21
300	11	523	437.12	135.91	-436.80	115.84	-416.72	105.33	37.16	-23.47	14.78	-1.09	29.26
		277	807.15	125.68	-1010.97	115.84	-1001.12	105.33	10.12	-40.25	-3.34	-26.79	22.28
		525	728.31	40.36	-1011.77	29.70	-1001.12	105.33	-9.62	-20.08	-10.02	-19.68	2.02
		522	328.13	53.31	-440.33	29.70	-416.72	105.33	16.11	-1.99	8.09	6.03	9.00
301	1	522	727.25	49.24	-1004.87	47.66	-1003.29	-40.76	22.50	-11.71	-0.76	11.55	15.96
		525	710.67	49.21	-1020.73	47.66	-1019.17	-40.76	6.41	-21.46	-11.26	-3.80	13.43

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		319	645.23	-168.99	-1021.13	-170.95	-1019.17	-40.76	-0.27	-13.71	-13.59	-0.40	1.29
		524	665.38	-168.96	-1005.28	-170.95	-1003.29	-40.76	15.73	-3.87	-3.09	14.95	3.83
301	2	522	774.40	50.82	-1025.45	48.73	-1023.35	-47.42	33.58	-8.83	0.67	24.09	17.68
		525	751.84	50.80	-1037.58	48.73	-1035.51	-47.42	15.20	-17.43	-10.03	7.80	13.66
		319	686.27	-194.20	-1038.19	-196.87	-1035.51	-47.42	13.48	-13.71	-13.69	13.46	0.74
		524	712.15	-194.16	-1026.07	-196.87	-1023.35	-47.42	30.42	-3.67	-2.99	29.74	4.76
301	3	522	952.60	0.89	-1145.74	-14.79	-1130.05	-133.19	70.97	-5.82	1.15	64.00	22.06
		525	883.24	1.33	-1115.04	-14.79	-1098.92	-133.19	46.50	-17.84	-11.09	39.74	19.72
		319	839.49	-134.49	-1117.32	-152.89	-1098.92	-133.19	46.65	-12.78	-12.78	46.65	0.09
		524	911.53	-135.06	-1147.88	-152.89	-1130.05	-133.19	70.99	-0.63	-0.55	70.91	2.43
301	4	522	879.70	5.91	-1151.56	-7.82	-1137.84	-125.29	6.56	-48.31	2.27	-44.02	14.73
		525	879.42	6.28	-1121.67	-7.82	-1107.58	-125.29	-4.66	-59.13	-7.75	-56.04	12.60
		319	849.64	-135.77	-1123.73	-151.93	-1107.58	-125.29	-10.24	-59.63	-10.46	-59.41	3.29
		524	846.92	-136.25	-1153.51	-151.93	-1137.84	-125.29	0.18	-48.01	-0.44	-47.39	5.42
301	5	522	767.65	37.14	-1058.44	32.18	-1053.48	-73.56	11.19	-25.19	4.13	-18.13	14.39
		525	790.43	37.13	-1060.23	32.18	-1055.27	-73.56	-0.86	-36.25	-5.82	-31.29	12.29
		319	737.88	-165.80	-1061.36	-171.88	-1055.27	-73.56	-8.20	-33.63	-8.35	-33.47	1.99
		524	710.90	-165.79	-1059.58	-171.88	-1053.48	-73.56	2.34	-21.05	1.60	-20.32	4.09
301	6	522	698.29	46.01	-1007.11	44.86	-1005.96	-34.73	21.11	-12.61	5.04	3.47	16.84
		525	720.97	45.99	-1021.26	44.86	-1020.12	-34.73	6.28	-23.82	-5.37	-12.17	14.66
		319	658.17	-167.35	-1021.54	-168.76	-1020.12	-34.73	-6.90	-13.59	-7.79	-12.70	2.28
		524	630.24	-167.33	-1007.40	-168.76	-1005.96	-34.73	7.24	-1.68	2.62	2.94	4.46
301	7	522	712.62	29.04	-1008.40	27.77	-1007.13	-36.23	26.87	-15.04	3.28	8.55	20.79
		525	708.24	29.02	-1025.41	27.77	-1024.17	-36.23	10.18	-27.60	-7.93	-9.50	18.87
		319	648.45	-155.70	-1025.68	-157.22	-1024.17	-36.23	-4.20	-13.39	-9.80	-7.80	4.49
		524	655.19	-155.67	-1008.68	-157.22	-1007.13	-36.23	13.61	-1.94	1.42	10.25	6.40
301	8	522	747.21	0.52	-884.75	-13.11	-871.12	-108.99	58.66	-4.27	0.66	53.74	16.90
		525	690.61	0.96	-857.54	-13.11	-843.47	-108.99	39.46	-13.43	-8.73	34.76	15.05
		319	658.25	-101.08	-859.47	-117.08	-843.47	-108.99	40.58	-10.04	-10.03	40.58	-0.32
		524	716.91	-101.65	-886.56	-117.08	-871.12	-108.99	59.59	-0.68	-0.64	59.55	1.53
301	9	522	520.06	30.07	-723.35	28.88	-722.16	-29.83	16.83	-8.87	0.14	7.82	12.27
		525	506.76	30.05	-734.50	28.88	-733.33	-29.83	5.13	-16.37	-7.54	-3.70	10.58
		319	461.25	-118.06	-734.78	-119.51	-733.33	-29.83	-1.35	-9.39	-9.12	-1.61	1.44
		524	477.04	-118.03	-723.64	-119.51	-722.16	-29.83	10.72	-2.25	-1.44	9.91	3.13
301	10	522	645.19	2.48	-800.88	-5.81	-792.59	-81.18	42.85	-4.69	1.20	36.96	15.65
		525	602.51	2.63	-786.08	-5.81	-777.63	-81.18	26.35	-13.31	-7.45	20.49	14.07
		319	568.96	-99.75	-787.36	-109.47	-777.63	-81.18	24.55	-8.69	-8.67	24.53	0.78
		524	613.57	-99.96	-802.10	-109.47	-792.59	-81.18	41.14	-0.16	-0.03	41.00	2.36
301	11	522	504.03	28.26	-724.58	27.33	-723.65	-26.48	16.10	-9.41	3.36	3.33	12.75
		525	515.39	28.25	-734.78	27.33	-733.86	-26.48	5.13	-17.76	-4.27	-8.35	11.26
		319	472.12	-117.15	-735.00	-118.29	-733.86	-26.48	-4.81	-9.53	-5.90	-8.44	1.99
		524	457.49	-117.14	-724.80	-118.29	-723.65	-26.48	6.05	-1.07	1.74	3.24	3.48
302	1	526	747.16	7.75	-1046.43	4.20	-1042.88	61.06	52.75	-21.00	10.22	21.53	36.44
		527	678.13	8.06	-962.77	4.20	-958.91	61.06	40.06	-17.98	6.08	16.00	28.59
		529	631.03	-176.92	-963.68	-181.69	-958.91	61.06	31.96	-19.59	-2.53	14.90	24.26
		337	699.90	-177.38	-1047.19	-181.69	-1042.88	61.06	44.48	-22.43	1.61	20.43	32.10
302	2	526	845.37	10.90	-1084.00	9.97	-1083.06	32.00	73.75	-17.16	11.52	45.06	42.25
		527	762.82	10.98	-998.38	9.97	-997.36	32.00	57.45	-18.83	4.71	33.91	35.24
		529	715.96	-180.32	-998.62	-181.58	-997.36	32.00	49.41	-15.93	-2.60	36.07	26.33
		337	798.82	-180.44	-1084.20	-181.58	-1083.06	32.00	65.40	-13.96	4.21	47.23	33.34
302	3	526	1041.53	-7.19	-1205.63	-14.21	-1198.61	91.48	107.52	-0.52	9.86	97.15	31.83
		527	987.46	-6.87	-1154.44	-14.21	-1147.10	91.48	95.40	-10.65	-0.15	84.90	31.68
		529	962.42	-75.58	-1154.91	-83.39	-1147.10	91.48	89.37	-5.91	-0.44	83.90	22.16
		337	1017.35	-75.94	-1206.06	-83.39	-1198.61	91.48	101.57	4.16	9.57	96.15	22.32
302	4	526	966.99	-43.10	-1213.80	-47.01	-1209.88	67.57	49.73	-72.51	13.84	-36.62	55.67
		527	919.83	-42.78	-1126.77	-47.01	-1122.54	67.57	30.90	-71.89	9.19	-50.17	41.95
		529	865.70	-88.27	-1126.95	-92.69	-1122.54	67.57	11.19	-62.94	-5.20	-46.56	30.76
		337	909.99	-88.61	-1213.95	-92.69	-1209.88	67.57	30.58	-64.12	-0.54	-33.00	44.48
302	5	526	833.16	-39.69	-1124.37	-40.40	-1123.66	27.72	62.32	-49.94	20.15	-7.77	54.37
		527	764.19	-39.61	-1012.25	-40.40	-1011.46	27.72	41.02	-45.40	15.19	-19.58	39.56
		529	714.14	-145.81	-1012.35	-146.70	-1011.46	27.72	19.26	-44.75	-1.35	-24.15	29.91
		337	779.28	-145.91	-1124.45	-146.70	-1123.66	27.72	41.05	-49.79	3.61	-12.34	44.72
302	6	526	742.79	-15.13	-1057.42	-17.45	-1055.10	49.12	69.13	-29.57	20.65	18.91	49.34
		527	665.88	-14.87	-952.53	-17.45	-949.95	49.12	48.83	-25.01	15.43	8.40	36.75
		529	609.13	-179.65	-953.08	-182.78	-949.95	49.12	29.34	-27.14	0.97	1.23	28.24
		337	688.97	-180.02	-1057.86	-182.78	-1055.10	49.12	49.89	-31.95	6.19	11.74	40.82
302	7	526	745.81	-9.45	-1046.58	-12.98	-1043.05	60.41	58.26	-22.88	12.39	23.00	40.22
		527	671.93	-9.14	-963.82	-12.98	-959.99	60.41	44.52	-21.25	7.80	15.47	32.66
		529	633.00	-164.52	-964.57	-169.11	-959.99	60.41	34.80	-20.62	-0.47	14.65	26.66
		337	706.41	-164.95	-1047.21	-169.11	-1043.05	60.41	48.54	-22.24	4.12	22.17	34.22
302	8	526	820.31	-3.00	-931.91	-8.89	-926.02	73.77	87.52	0.43	7.31	80.64	23.48
		527	780.70	-2.76	-895.67	-8.89	-889.54	73.77	78.22	-8.09	-0.80	70.93	24.01

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		529	761.65	-52.09	-896.04	-58.59	-889.54	73.77	73.77	-4.00	-0.33	70.10	16.48
		337	802.05	-52.36	-932.24	-58.59	-926.02	73.77	83.19	4.40	7.78	79.82	15.96
302	9	526	536.76	0.40	-752.66	-1.99	-750.27	42.36	38.76	-15.39	7.66	15.71	26.77
		527	486.31	0.60	-692.78	-1.99	-690.19	42.36	29.49	-13.47	4.62	11.39	21.21
		529	455.29	-122.35	-693.35	-125.51	-690.19	42.36	23.43	-14.20	-1.47	10.70	17.81
		337	505.56	-122.65	-753.13	-125.51	-750.27	42.36	32.61	-16.02	1.57	15.02	23.37
302	10	526	699.54	-7.99	-841.02	-12.22	-836.78	59.26	67.49	-2.31	7.46	57.72	24.21
		527	657.81	-7.76	-799.19	-12.22	-794.73	59.26	58.79	-7.96	1.16	49.67	22.92
		529	638.68	-66.08	-799.55	-70.90	-794.73	59.26	54.12	-5.40	-0.31	49.03	16.64
		337	680.82	-66.35	-841.34	-70.90	-836.78	59.26	62.75	0.33	5.99	57.08	17.93
302	11	526	534.23	-12.31	-758.77	-14.03	-757.06	35.73	47.80	-20.08	13.46	14.26	33.94
		527	474.19	-12.13	-687.10	-14.03	-685.20	35.73	34.27	-17.29	9.81	7.17	25.74
		529	434.47	-123.84	-687.48	-126.12	-685.20	35.73	21.85	-18.27	0.47	3.10	20.02
		337	499.31	-124.10	-759.08	-126.12	-757.06	35.73	35.53	-21.22	4.11	10.19	28.21
303	1	528	529.12	254.46	-612.34	232.02	-589.90	137.65	37.55	0.21	14.34	23.42	18.11
		280	957.82	245.18	-1207.71	232.02	-1194.55	137.65	40.13	3.03	10.40	32.75	14.81
		521	841.81	15.29	-1210.21	-0.37	-1194.55	137.65	36.39	-12.13	5.20	19.06	23.25
		527	472.92	30.19	-620.46	-0.37	-589.90	137.65	35.99	-17.12	9.14	9.73	26.55
303	2	528	574.04	258.51	-626.24	243.59	-611.32	113.91	56.33	-1.45	17.48	37.40	27.12
		280	1000.91	252.39	-1230.22	243.59	-1221.42	113.91	55.39	2.45	13.81	44.04	21.73
		521	891.69	9.87	-1231.95	-0.67	-1221.42	113.91	50.13	-11.19	6.59	32.35	27.82
		527	463.37	19.89	-631.88	-0.67	-611.32	113.91	52.09	-16.11	10.26	25.72	33.21
303	3	528	778.81	19.07	-750.43	-7.00	-724.36	139.20	116.68	4.11	7.02	113.77	17.87
		280	1352.02	5.56	-1550.19	-7.00	-1537.64	139.20	132.96	6.50	10.99	128.46	23.41
		521	1254.73	-27.38	-1550.47	-40.21	-1537.64	139.20	110.41	0.16	13.24	97.33	35.65
		527	679.32	-12.97	-751.60	-40.21	-724.36	139.20	93.41	-1.50	9.27	82.64	30.11
303	4	528	730.15	74.87	-705.50	45.16	-675.79	149.34	48.65	-59.36	37.73	-48.43	32.57
		280	1189.66	59.62	-1497.74	45.16	-1483.29	149.34	23.47	-53.09	19.42	-49.04	17.13
		521	1158.18	-50.16	-1498.85	-65.72	-1483.29	149.34	6.59	-65.03	1.44	-59.89	18.50
		527	695.85	-31.13	-710.38	-65.72	-595.79	149.34	32.32	-71.85	19.75	-59.27	33.93
303	5	528	624.09	222.98	-616.48	199.89	-593.40	137.29	50.66	-13.10	40.59	-3.03	23.25
		280	981.36	212.45	-1300.41	199.89	-1287.85	137.29	28.49	-1.16	22.72	4.61	11.74
		521	940.09	-23.97	-1302.76	-38.89	-1287.85	137.29	18.39	-29.75	7.47	-18.83	20.16
		527	575.66	-6.76	-625.53	-38.89	-593.40	137.29	40.36	-41.48	25.34	-26.46	31.68
303	6	528	563.15	290.42	-584.10	262.97	-556.66	152.48	53.11	8.77	34.58	27.30	21.87
		280	968.65	278.69	-1215.81	262.97	-1200.09	152.48	44.86	12.05	20.66	36.24	14.44
		521	827.21	4.81	-1219.38	-14.48	-1200.09	152.48	34.41	-12.79	9.72	11.90	23.58
		527	506.06	25.46	-596.59	-14.48	-556.66	152.48	45.98	-19.39	23.63	2.96	31.01
303	7	528	511.33	206.83	-613.58	183.26	-590.02	137.02	43.30	-2.99	16.65	23.66	22.88
		280	931.62	196.76	-1208.11	183.26	-1194.62	137.02	44.49	0.43	12.80	32.12	19.80
		521	828.60	-3.75	-1210.38	-19.52	-1194.62	137.02	40.83	-15.08	7.77	17.98	27.48
		527	481.63	11.69	-621.22	-19.52	-590.02	137.02	41.15	-20.01	11.62	9.52	30.56
303	8	528	620.42	4.07	-583.76	-16.36	-563.33	107.66	96.56	2.58	4.42	94.72	13.03
		280	1070.69	-6.66	-1212.07	-16.36	-1202.37	107.66	109.83	5.02	8.22	106.63	18.04
		521	995.04	-21.43	-1212.19	-31.24	-1202.37	107.66	91.08	0.92	10.60	81.41	27.91
		527	542.75	-10.28	-584.29	-31.24	-563.33	107.66	76.97	-0.67	6.81	69.50	22.90
303	9	528	373.00	168.19	-440.33	152.22	-424.37	97.26	28.05	-0.42	10.72	16.91	13.90
		280	680.55	161.50	-867.22	152.22	-857.94	97.26	29.48	1.67	7.84	23.31	11.56
		521	601.58	6.25	-868.88	-4.70	-857.94	97.26	26.73	-9.22	4.13	13.39	17.37
		527	339.89	16.74	-445.82	-4.70	-424.37	97.26	26.70	-12.71	7.00	6.99	19.70
303	10	528	511.71	37.38	-517.02	19.43	-499.07	98.12	70.09	3.66	6.65	67.10	13.76
		280	899.40	28.37	-1057.48	19.43	-1048.54	98.12	80.19	4.46	8.17	76.48	16.33
		521	831.03	-17.50	-1057.88	-26.84	-1048.54	98.12	66.95	-1.49	8.59	56.87	24.25
		527	442.32	-7.26	-518.65	-26.84	-499.07	98.12	56.92	-2.35	7.08	47.49	21.68
303	11	528	392.02	188.15	-424.63	169.42	-405.90	105.49	36.56	4.46	21.96	19.06	15.98
		280	686.52	180.11	-871.71	169.42	-861.02	105.49	32.17	6.62	13.54	25.25	11.35
		521	589.63	0.38	-873.94	-12.54	-861.02	105.49	25.63	-9.58	6.64	9.41	17.55
		527	358.15	13.96	-432.41	-12.54	-405.90	105.49	32.10	-13.81	15.05	3.23	22.18
304	1	527	690.08	-9.61	-959.45	-9.65	-959.41	-6.00	41.35	-13.15	8.60	19.61	26.69
		521	693.50	-9.61	-979.79	-9.65	-979.75	-6.00	31.62	-7.82	6.68	17.11	19.02
		335	635.87	-176.05	-979.80	-176.10	-979.75	-6.00	21.46	-14.67	-2.54	9.33	17.07
		529	633.11	-176.05	-959.46	-176.10	-959.41	-6.00	31.11	-19.91	-0.62	11.82	24.74
304	2	527	775.43	-9.66	-1000.27	-11.04	-998.89	-36.90	59.89	-10.61	10.78	38.50	32.41
		521	759.07	-9.67	-1008.06	-11.04	-1006.70	-36.90	46.60	-6.75	7.59	32.25	23.65
		335	702.14	-184.41	-1008.35	-186.07	-1006.70	-36.90	35.44	-11.68	-2.58	26.34	18.60
		529	718.67	-184.39	-1000.57	-186.07	-998.89	-36.90	48.28	-15.09	0.61	32.59	27.36
304	3	527	1004.95	-40.01	-1151.35	-42.59	-1148.78	-53.46	102.50	2.45	11.83	93.12	29.15
		521	984.81	-40.02	-1155.41	-42.59	-1152.85	-53.46	92.38	3.87	10.55	85.70	23.37
		335	937.03	-80.32	-1155.51	-82.98	-1152.85	-53.46	74.28	-1.64	2.44	70.20	17.12
		529	956.68	-80.31	-1151.45	-82.98	-1148.78	-53.46	84.13	-2.80	3.72	77.62	22.90
304	4	527	868.93	-69.85	-1126.33	-72.35	-1123.83	-51.35	31.85	-61.09	14.81	-44.05	35.96
		521	883.81	-69.90	-1148.22	-72.35	-1145.76	-51.35	17.11	-56.33	9.55	-48.77	22.32

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		335	878.87	-86.31	-1148.25	-88.80	-1145.76	-51.35	0.18	-62.47	-6.08	-56.20	18.80
		529	862.23	-86.25	-1126.37	-88.80	-1123.83	-51.35	15.01	-67.31	-0.82	-51.48	32.44
304	5	527	728.40	-47.08	-1013.91	-48.80	-1012.19	-40.70	40.38	-34.32	19.45	-13.39	33.55
		521	737.00	-47.12	-1035.84	-48.80	-1034.16	-40.70	24.77	-25.26	15.29	-15.79	19.60
		335	728.32	-148.59	-1036.03	-150.46	-1034.16	-40.70	6.70	-40.16	-1.69	-31.77	17.96
		529	717.94	-148.55	-1014.11	-150.46	-1012.19	-40.70	22.21	-49.11	2.46	-29.37	31.91
304	6	527	656.76	-24.61	-950.11	-24.64	-950.08	-5.42	48.25	-16.02	18.83	13.40	32.02
		521	659.48	-24.61	-975.96	-24.64	-975.93	-5.42	33.60	-7.37	15.62	10.61	20.34
		335	621.24	-177.74	-975.96	-177.78	-975.93	-5.42	16.21	-20.95	1.03	-5.77	18.27
		529	609.49	-177.74	-950.11	-177.78	-950.08	-5.42	30.80	-29.54	4.24	-2.98	29.95
304	7	527	685.47	-28.96	-960.58	-29.00	-960.53	-6.27	46.43	-15.50	11.37	19.56	30.70
		521	684.54	-28.96	-982.25	-29.00	-982.21	-6.27	35.51	-11.40	8.90	15.21	23.24
		335	634.22	-162.16	-982.26	-162.20	-982.21	-6.27	23.49	-16.65	-0.14	6.98	19.75
		529	635.38	-162.15	-960.58	-162.20	-960.53	-6.27	34.40	-20.75	2.32	11.32	27.21
304	8	527	793.62	-30.04	-893.11	-32.23	-890.92	-43.38	84.02	2.54	9.02	77.54	22.04
		521	775.86	-30.04	-893.36	-32.23	-891.18	-43.38	76.32	3.54	8.18	71.67	17.79
		335	738.87	-56.10	-893.43	-58.36	-891.18	-43.38	61.94	-0.65	2.10	59.19	12.82
		529	756.26	-56.10	-893.18	-58.36	-890.92	-43.38	69.44	-1.44	2.94	65.06	17.07
304	9	527	495.60	-11.54	-690.60	-11.60	-690.54	-6.06	30.55	-9.82	6.65	14.08	19.84
		521	498.05	-11.55	-706.79	-11.60	-706.74	-6.06	23.30	-6.20	5.16	11.94	14.36
		335	458.94	-121.77	-706.80	-121.83	-706.74	-6.06	15.68	-10.82	-1.44	6.30	12.67
		529	456.88	-121.76	-690.61	-121.83	-690.54	-6.06	22.87	-14.38	0.05	8.44	18.15
304	10	527	670.58	-28.53	-797.12	-29.90	-795.74	-32.42	63.15	0.22	8.44	54.93	21.21
		521	660.01	-28.54	-804.26	-29.90	-802.91	-32.42	55.85	1.50	7.30	50.05	16.78
		335	626.05	-68.67	-804.34	-70.10	-802.91	-32.42	43.90	-2.46	1.33	40.11	12.70
		529	636.28	-68.65	-797.19	-70.10	-795.74	-32.42	51.03	-3.57	2.47	44.99	17.12
304	11	527	477.22	-19.88	-685.41	-19.93	-685.36	-5.73	34.30	-11.33	12.33	10.64	22.80
		521	479.23	-19.88	-704.66	-19.93	-704.62	-5.73	24.34	-5.89	10.12	8.33	15.09
		335	444.07	-122.71	-704.67	-122.76	-704.62	-5.73	12.63	-14.17	0.54	-2.09	13.34
		529	433.58	-122.71	-685.41	-122.76	-685.36	-5.73	22.57	-19.60	2.76	0.22	21.04
305	1	530	805.78	35.81	-1119.81	18.54	-1102.54	140.23	54.66	-28.63	1.30	24.73	39.97
		531	757.80	36.92	-1051.44	18.54	-1033.06	140.23	53.12	-27.29	1.54	24.29	38.56
		306	713.90	-226.97	-1057.46	-251.36	-1033.06	140.23	60.36	-23.30	1.40	35.67	38.16
		340	760.78	-228.85	-1125.05	-251.36	-1102.54	140.23	61.88	-24.62	1.15	36.11	39.56
305	2	530	901.58	19.50	-1167.64	8.68	-1156.82	112.81	66.44	-19.27	-0.25	47.43	35.61
		531	849.40	20.32	-1084.69	8.68	-1073.05	112.81	68.33	-19.70	-0.14	48.77	36.59
		306	818.08	-214.86	-1087.88	-229.69	-1073.05	112.81	81.70	-15.32	2.71	63.68	37.74
		340	869.45	-216.16	-1170.35	-229.69	-1156.82	112.81	79.83	-14.90	2.59	62.34	36.76
305	3	530	928.89	9.79	-1163.68	-32.50	-1121.39	218.72	48.26	-15.95	-15.04	47.35	-7.60
		531	968.49	10.59	-1142.50	-32.50	-1099.40	218.72	76.09	-7.21	-7.21	76.09	-0.29
		306	952.79	-158.76	-1150.26	-209.62	-1099.40	218.72	108.52	-1.41	3.94	103.17	23.65
		340	905.95	-159.87	-1171.14	-209.62	-1121.39	218.72	77.70	-7.16	-3.89	74.43	16.34
305	4	530	920.08	-7.70	-1193.34	-53.59	-1147.45	228.70	52.01	-60.32	-3.40	-4.91	56.16
		531	949.04	-7.64	-1191.85	-53.59	-1145.90	228.70	46.31	-70.77	-6.93	-17.53	58.30
		306	858.80	-149.10	-1198.37	-201.57	-1145.90	228.70	45.47	-50.12	-2.74	-1.91	47.79
		340	829.41	-149.18	-1199.84	-201.57	-1147.45	228.70	51.67	-40.17	0.78	10.72	45.65
305	5	530	842.31	-1.42	-1175.74	-25.13	-1152.03	165.18	54.76	-49.58	-5.34	10.53	51.56
		531	850.57	-0.68	-1140.68	-25.13	-1116.23	165.18	52.44	-59.87	-8.52	1.09	55.95
		306	748.10	-179.20	-1145.34	-208.32	-1116.23	165.18	60.66	-38.65	-1.13	23.15	48.15
		340	792.76	-180.24	-1180.11	-208.32	-1152.03	165.18	63.67	-29.04	2.04	32.59	43.76
305	6	530	821.78	23.38	-1125.02	3.44	-1105.08	150.00	64.24	-35.52	-1.52	30.24	47.28
		531	775.84	24.28	-1075.99	3.44	-1055.15	150.00	62.40	-42.48	-3.93	23.85	50.57
		306	745.42	-221.63	-1082.14	-248.63	-1055.15	150.00	71.36	-27.73	1.78	41.84	45.32
		340	792.11	-223.12	-1130.59	-248.63	-1105.08	150.00	73.66	-21.24	4.19	48.23	42.03
305	7	530	804.82	26.02	-1109.90	7.03	-1090.91	145.64	59.07	-28.72	1.53	28.83	41.72
		531	758.54	27.11	-1049.45	7.03	-1029.37	145.64	57.31	-29.60	1.08	26.63	41.53
		306	723.57	-211.87	-1055.31	-237.82	-1029.37	145.64	64.79	-22.83	2.43	39.53	39.69
		340	769.18	-213.64	-1115.09	-237.82	-1090.91	145.64	66.65	-22.05	2.87	41.72	39.87
305	8	530	725.50	9.84	-892.81	-25.45	-857.52	174.97	39.93	-14.62	-12.76	38.06	-9.91
		531	761.60	10.36	-880.25	-25.45	-844.44	174.97	62.72	-6.32	-6.12	62.52	-3.74
		306	747.10	-118.99	-886.64	-161.18	-844.44	174.97	87.52	-0.13	3.15	84.24	16.64
		340	704.28	-119.69	-899.01	-161.18	-857.52	174.97	61.47	-5.17	-3.49	59.79	10.47
305	9	530	576.67	20.68	-801.86	8.40	-789.59	99.72	39.44	-20.52	0.81	18.11	28.70
		531	542.85	21.45	-753.90	8.40	-740.85	99.72	38.51	-19.86	0.95	17.71	27.95
		306	515.01	-157.01	-757.88	-174.04	-740.85	99.72	44.04	-16.60	1.16	26.28	27.60
		340	548.12	-158.29	-805.34	-174.04	-789.59	99.72	44.97	-17.26	1.03	26.68	28.35
305	10	530	638.67	5.55	-825.56	-19.95	-800.06	143.32	30.81	-8.40	-8.27	30.67	2.28
		531	655.30	6.25	-803.91	-19.95	-777.71	143.32	47.28	-4.71	-3.92	46.49	6.37
		306	646.02	-119.63	-808.92	-150.85	-777.71	143.32	69.49	-3.13	2.58	63.78	19.54
		340	626.08	-120.62	-830.29	-150.85	-800.06	143.32	52.37	-6.18	-1.77	47.97	15.45
305	11	530	585.55	13.75	-804.74	0.01	-791.00	105.15	44.76	-24.35	-0.75	21.17	32.77
		531	552.81	14.42	-767.52	0.01	-753.12	105.15	43.66	-28.29	-2.09	17.46	34.62

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		306	532.55	-154.06	-771.58	-172.52	-753.12	105.15	50.15	-19.06	1.38	29.71	31.57
		340	565.53	-155.13	-808.38	-172.52	-791.00	105.15	51.52	-15.38	2.72	33.41	29.72
306	1	532	680.77	221.36	-710.09	173.42	-662.15	205.80	55.60	-43.72	3.94	7.94	49.62
		290	1044.25	201.66	-1326.08	173.42	-1297.83	205.80	50.34	-37.01	12.96	0.37	43.22
		526	939.06	53.28	-1329.18	21.94	-1297.83	205.80	46.20	-25.54	7.57	13.08	35.76
		531	583.53	79.08	-719.29	21.94	-662.15	205.80	53.19	-33.99	-1.45	20.66	42.17
306	2	532	616.54	208.26	-700.75	165.42	-657.92	192.62	55.72	-44.87	-10.46	21.30	47.72
		290	1030.49	189.21	-1394.53	165.42	-1370.74	192.62	59.67	-34.97	5.73	18.97	46.85
		526	1016.98	42.75	-1396.99	16.50	-1370.74	192.62	69.95	-22.43	7.34	40.18	43.17
		531	570.39	67.63	-709.05	16.50	-657.92	192.62	67.81	-34.15	-8.85	42.52	44.04
306	3	532	816.63	146.83	-785.97	38.32	-677.46	299.07	46.99	-68.84	-65.23	43.39	-20.11
		290	1384.45	90.94	-1661.48	38.32	-1608.86	299.07	88.37	-17.57	-17.42	88.22	3.98
		526	1374.90	76.87	-1661.92	23.81	-1608.86	299.07	124.61	-1.06	11.46	112.08	37.65
		531	749.62	134.03	-787.68	23.81	-677.46	299.07	68.99	-38.10	-36.35	67.25	13.57
306	4	532	1012.34	20.83	-841.20	-107.93	-712.44	307.26	86.47	-129.14	1.96	-44.62	105.26
		290	1540.68	-48.68	-1701.52	-107.93	-1642.28	307.26	63.84	-150.52	8.14	-94.83	94.01
		526	1386.25	37.47	-1698.49	-18.73	-1642.28	307.26	27.59	-90.67	-10.42	-62.90	50.13
		531	807.58	97.79	-828.97	-18.73	-712.44	307.26	51.93	-70.99	-6.37	-12.69	61.38
306	5	532	851.10	0.83	-805.37	-59.13	-745.40	211.54	70.71	-105.95	-5.45	-29.79	87.49
		290	1263.94	-27.39	-1468.67	-59.13	-1436.92	211.54	67.37	-104.41	18.57	-55.61	77.47
		526	1147.09	18.87	-1467.66	-11.86	-1436.92	211.54	48.66	-63.18	11.32	-25.84	52.74
		531	716.44	44.77	-802.03	-11.86	-745.40	211.54	56.72	-69.44	-12.70	-0.02	62.76
306	6	532	745.06	115.53	-757.19	67.89	-709.55	198.25	71.40	-72.21	-2.04	1.23	71.79
		290	1096.69	95.84	-1338.44	67.89	-1310.49	198.25	70.19	-62.16	21.10	-13.07	63.93
		526	990.43	42.29	-1339.54	13.23	-1310.49	198.25	60.67	-38.05	15.08	7.54	49.22
		531	639.97	64.04	-760.36	13.23	-709.55	198.25	65.90	-52.11	-8.06	21.85	57.08
306	7	532	673.85	170.91	-711.97	120.22	-661.28	205.38	60.51	-47.81	3.12	9.58	54.06
		290	1036.52	149.33	-1329.20	120.22	-1300.09	205.38	55.90	-41.73	13.51	0.66	48.39
		526	941.80	38.45	-1331.61	6.94	-1300.09	205.38	51.48	-27.97	9.04	14.47	39.63
		531	585.58	65.01	-719.36	6.94	-661.28	205.38	57.99	-35.94	-1.35	23.40	45.31
306	8	532	661.95	118.42	-607.35	29.17	-518.10	238.34	41.28	-60.09	-55.26	36.45	-21.61
		290	1105.79	71.94	-1299.11	29.17	-1256.34	238.34	75.16	-15.77	-15.76	75.15	-0.80
		526	1093.00	64.47	-1299.35	21.46	-1256.34	238.34	102.66	0.34	8.98	94.02	28.45
		531	597.35	111.66	-608.30	21.46	-518.10	238.34	55.99	-31.19	-30.51	55.32	7.64
306	9	532	481.96	142.37	-509.31	108.07	-475.01	145.51	39.98	-32.10	2.21	5.66	36.00
		290	742.23	128.10	-949.42	108.07	-929.40	145.51	36.72	-27.30	9.16	0.27	31.70
		526	671.01	33.33	-951.39	11.33	-929.40	145.51	34.11	-18.72	5.65	9.74	26.34
		531	416.31	51.54	-515.23	11.33	-475.01	145.51	38.63	-24.80	-1.30	15.13	30.64
306	10	532	519.83	99.78	-550.28	33.02	-483.52	197.33	25.48	-36.34	-36.22	25.35	-2.74
		290	906.23	66.35	-1135.51	33.02	-1102.19	197.33	50.75	-9.40	-7.72	49.08	9.90
		526	906.87	46.28	-1136.10	12.37	-1102.19	197.33	75.77	-3.22	7.81	64.73	27.39
		531	493.24	81.31	-552.46	12.37	-483.52	197.33	44.35	-24.03	-20.68	41.01	14.75
306	11	532	517.99	83.59	-535.49	49.45	-501.35	141.32	48.75	-47.92	-1.11	1.93	48.31
		290	771.46	69.31	-956.28	49.45	-936.43	141.32	47.69	-41.21	13.68	-7.20	43.21
		526	699.51	27.22	-957.15	6.50	-936.43	141.32	42.09	-25.61	9.82	6.66	33.81
		531	447.69	43.17	-538.03	6.50	-501.35	141.32	45.69	-34.87	-4.96	15.79	38.92
307	1	531	764.21	18.38	-1033.87	15.08	-1030.57	58.85	59.48	-27.73	5.84	25.91	42.44
		526	749.58	18.34	-1046.97	15.08	-1043.71	58.85	47.81	-30.74	1.24	15.83	38.59
		337	708.33	-202.23	-1047.82	-206.35	-1043.71	58.85	44.54	-21.76	-1.86	24.64	30.39
		306	723.87	-202.17	-1034.75	-206.35	-1030.57	58.85	56.51	-19.05	2.74	34.72	34.23
307	2	531	860.42	9.74	-1071.83	8.92	-1071.00	29.88	73.87	-23.59	1.53	48.76	42.63
		526	844.68	9.73	-1084.79	8.92	-1083.97	29.88	64.49	-29.73	-2.62	37.39	42.65
		337	815.20	-194.71	-1084.98	-195.72	-1083.97	29.88	68.58	-16.75	-0.78	52.60	33.29
		306	832.33	-194.70	-1072.02	-195.72	-1071.00	29.88	78.67	-11.33	3.37	63.97	33.27
307	3	531	970.97	42.07	-1110.57	23.48	-1091.98	145.18	78.91	-17.57	-15.98	77.32	12.29
		526	1047.57	40.47	-1216.85	23.48	-1199.86	145.18	89.47	-17.03	-11.12	83.56	24.38
		337	1035.36	-122.37	-1219.42	-141.94	-1199.86	145.18	114.44	-3.09	4.71	106.64	29.25
		306	956.19	-120.25	-1113.67	-141.94	-1091.98	145.18	103.25	-2.99	-0.14	100.40	17.16
307	4	531	917.33	-5.57	-1152.32	-18.44	-1139.45	120.79	58.40	-73.45	2.79	-17.84	65.12
		526	1006.93	-6.32	-1222.48	-18.44	-1210.36	120.79	38.14	-91.62	-7.88	-45.59	62.08
		337	890.86	-115.93	-1223.69	-129.26	-1210.36	120.79	22.03	-58.71	-9.01	-27.66	39.28
		306	795.89	-115.02	-1153.69	-129.26	-1139.45	120.79	43.20	-41.45	1.66	0.09	42.32
307	5	531	809.31	-12.91	-1114.81	-15.06	-1112.66	48.59	68.25	-58.61	4.77	4.87	63.43
		526	860.70	-12.93	-1125.00	-15.06	-1122.87	48.59	48.67	-74.08	-4.93	-20.48	60.88
		337	745.93	-156.50	-1125.32	-158.95	-1122.87	48.59	35.34	-44.79	-5.69	-3.76	40.05
		306	760.96	-156.48	-1115.13	-158.95	-1112.66	48.59	56.30	-30.70	4.02	21.58	42.61
307	6	531	794.59	10.67	-1054.65	8.04	-1052.02	52.89	75.72	-39.96	7.75	28.01	56.94
		526	752.36	10.66	-1057.30	8.04	-1054.67	52.89	58.23	-50.35	0.05	7.83	54.15
		337	708.07	-197.81	-1057.94	-201.07	-1054.67	52.89	47.92	-30.09	-1.58	19.42	37.56
		306	753.75	-197.80	-1055.29	-201.07	-1052.02	52.89	66.55	-20.84	6.12	39.60	40.36
307	7	531	765.43	3.96	-1030.53	0.39	-1026.96	60.67	64.51	-29.11	6.71	28.69	45.50
		526	748.85	3.90	-1047.08	0.39	-1043.57	60.67	52.42	-33.68	1.90	16.84	42.40

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		337	716.26	-186.80	-1047.86	-191.10	-1043.57	60.67	48.46	-22.20	-0.29	26.54	32.68
		306	733.61	-186.72	-1031.34	-191.10	-1026.96	60.67	61.05	-18.13	4.52	38.40	35.79
307	8	531	762.99	38.38	-854.71	22.00	-838.34	119.81	63.94	-14.55	-14.00	63.39	6.53
		526	826.77	36.89	-941.95	22.00	-927.06	119.81	73.19	-12.97	-9.47	69.70	16.99
		337	816.40	-89.76	-944.20	-106.90	-927.06	119.81	93.68	-1.32	4.06	88.30	21.96
		306	749.85	-87.78	-857.46	-106.90	-838.34	119.81	83.56	-2.05	-0.47	81.99	11.50
307	9	531	548.12	8.43	-741.31	6.20	-739.08	40.80	43.25	-20.15	4.16	18.94	30.82
		526	538.59	8.40	-752.98	6.20	-750.78	40.80	34.95	-22.60	0.86	11.49	28.28
		337	512.11	-139.59	-753.51	-142.32	-750.78	40.80	32.70	-15.68	-1.09	18.11	22.20
		306	522.24	-139.54	-741.86	-142.32	-739.08	40.80	41.25	-13.48	2.21	25.56	24.75
307	10	531	657.90	20.80	-783.12	10.87	-773.20	88.77	50.87	-11.33	-7.96	47.50	14.07
		526	701.30	20.06	-846.72	10.87	-837.54	88.77	55.84	-12.73	-6.01	49.12	20.39
		337	692.51	-95.91	-848.16	-106.53	-837.54	88.77	70.52	-4.29	2.56	63.67	21.58
		306	648.46	-94.92	-784.82	-106.53	-773.20	88.77	65.63	-2.98	0.61	62.05	15.27
307	11	531	564.87	4.15	-752.86	2.29	-751.00	37.50	52.25	-26.92	5.22	20.11	38.88
		526	539.10	4.14	-758.72	2.29	-756.88	37.50	40.70	-33.46	0.20	7.04	36.92
		337	511.96	-137.12	-759.14	-139.39	-756.88	37.50	34.54	-20.27	-0.94	15.21	26.19
		306	538.83	-137.10	-753.29	-139.39	-751.00	37.50	46.82	-14.46	4.08	28.27	28.15
308	1	307	810.16	17.38	-1016.39	16.52	-1015.54	29.69	77.85	-22.98	10.01	44.86	47.30
		308	836.01	17.29	-1128.04	16.52	-1127.27	29.69	55.24	-43.22	-6.42	18.44	47.63
		435	719.59	-388.08	-1128.46	-389.28	-1127.27	29.69	36.41	-22.60	-5.91	19.72	26.58
		341	707.31	-387.87	-1016.94	-389.28	-1015.54	29.69	60.05	-3.39	10.52	46.14	26.25
308	2	307	923.89	12.15	-1092.02	10.61	-1090.48	41.31	101.84	-10.99	16.62	74.24	48.50
		308	942.10	12.01	-1201.73	10.61	-1200.32	41.31	74.83	-30.49	-1.13	45.47	47.22
		435	815.62	-353.38	-1202.34	-355.40	-1200.32	41.31	49.57	-14.50	-3.36	38.44	24.28
		341	807.75	-353.08	-1092.79	-355.40	-1090.48	41.31	77.55	4.04	14.39	67.21	25.56
308	3	307	816.95	30.78	-1031.61	26.84	-1027.66	64.62	75.07	1.28	21.25	55.09	32.79
		308	864.59	30.35	-1163.66	26.84	-1160.15	64.62	48.53	-3.69	9.47	35.36	22.68
		435	744.93	-372.33	-1165.45	-377.63	-1160.15	64.62	24.82	-4.64	-2.92	23.10	6.90
		341	703.33	-371.27	-1034.03	-377.63	-1027.66	64.62	49.89	1.80	8.86	42.84	17.01
308	4	307	762.88	-6.48	-1015.98	-11.04	-1011.41	67.74	74.93	-36.60	7.59	30.74	54.55
		308	821.17	-7.00	-1146.92	-11.04	-1142.88	67.74	51.77	-63.14	-10.72	-0.64	57.23
		435	715.27	-378.34	-1148.88	-384.34	-1142.88	67.74	25.88	-38.43	-8.26	-4.29	32.09
		341	655.31	-377.11	-1018.65	-384.34	-1011.41	67.74	49.19	-12.05	10.05	27.09	29.41
308	5	307	796.50	-6.65	-1035.95	-9.89	-1032.71	57.66	75.94	-28.61	8.08	39.25	49.89
		308	824.57	-6.98	-1153.79	-9.89	-1150.88	57.66	54.15	-51.46	-8.75	11.44	51.83
		435	720.02	-364.03	-1155.11	-368.26	-1150.88	57.66	34.70	-27.74	-6.43	13.38	29.61
		341	705.42	-363.29	-1037.67	-368.26	-1032.71	57.66	57.47	-5.87	10.40	41.20	27.68
308	6	307	818.34	10.87	-1013.24	10.08	-1012.45	28.37	79.14	-21.27	8.57	49.30	45.89
		308	845.76	10.79	-1118.39	10.08	-1117.68	28.37	59.16	-41.57	-7.23	24.83	47.74
		435	739.64	-392.24	-1118.79	-393.35	-1117.68	28.37	45.96	-20.45	-4.60	30.11	28.31
		341	725.86	-392.05	-1013.75	-393.35	-1012.45	28.37	67.10	-1.31	11.21	54.58	26.45
308	7	307	790.87	7.84	-987.86	6.50	-986.52	36.47	76.69	-20.73	8.94	47.01	44.84
		308	823.66	7.70	-1103.04	6.50	-1101.85	36.47	56.14	-40.81	-6.94	22.28	46.22
		435	717.86	-376.48	-1103.68	-378.32	-1101.85	36.47	40.71	-20.49	-5.08	25.31	26.56
		341	698.60	-376.14	-988.70	-378.32	-986.52	36.47	62.34	-1.50	10.80	50.04	25.18
308	8	307	624.00	26.08	-786.49	22.85	-783.26	51.11	57.32	2.88	17.26	42.94	24.00
		308	664.14	25.71	-891.16	22.85	-888.30	51.11	36.75	0.33	8.68	28.41	15.30
		435	570.72	-289.21	-892.66	-293.57	-888.30	51.11	18.57	-2.64	-1.98	17.92	3.68
		341	534.94	-288.29	-788.54	-293.57	-783.26	51.11	37.41	1.64	6.61	32.44	12.38
308	9	307	579.91	10.29	-728.98	9.56	-728.26	23.13	55.46	-16.10	7.03	32.33	33.47
		308	597.66	10.22	-807.01	9.56	-806.36	23.13	39.50	-30.63	-4.70	13.57	33.85
		435	516.59	-270.50	-807.35	-271.50	-806.36	23.13	26.30	-15.90	-4.17	14.57	18.90
		341	508.24	-270.33	-729.43	-271.50	-728.26	23.13	43.01	-2.11	7.57	33.33	18.52
308	10	307	583.18	17.70	-737.40	15.29	-735.00	42.53	53.90	-2.61	13.28	38.02	25.41
		308	612.11	17.44	-826.77	15.29	-824.62	42.53	35.64	-8.55	4.13	22.97	19.99
		435	529.63	-261.82	-827.84	-265.03	-824.62	42.53	19.35	-5.42	-2.51	16.45	7.97
		341	505.80	-261.21	-738.82	-265.03	-735.00	42.53	37.34	0.80	6.64	31.50	13.39
308	11	307	584.49	6.67	-727.23	5.98	-726.55	22.40	56.18	-15.15	6.24	34.80	32.68
		308	603.08	6.60	-801.65	5.98	-801.03	22.40	41.68	-29.71	-5.15	17.12	33.91
		435	527.71	-272.81	-801.98	-273.76	-801.03	22.40	31.60	-14.70	-3.44	20.34	19.86
		341	518.56	-272.65	-727.65	-273.76	-726.55	22.40	46.93	-0.96	7.95	38.02	18.64
309	1	304	696.92	458.05	-679.31	415.15	-636.41	216.69	48.87	-22.88	3.31	22.68	34.54
		300	1128.27	441.77	-1348.32	415.15	-1321.70	216.69	51.88	-22.22	0.01	29.65	33.96
		530	972.15	87.75	-1355.01	54.43	-1321.70	216.69	54.81	-30.14	-1.09	25.77	40.30
		308	591.86	116.77	-698.75	54.43	-636.41	216.69	52.22	-31.21	2.21	18.80	40.88
309	2	304	737.34	398.71	-736.25	351.09	-688.62	227.56	80.40	-6.60	15.11	58.69	37.65
		300	1248.67	379.53	-1469.52	351.09	-1441.08	227.56	76.52	-11.37	5.43	59.72	34.55
		530	1109.82	82.13	-1475.08	48.14	-1441.08	227.56	68.30	-18.92	0.75	48.64	36.45
		308	593.62	112.76	-753.24	48.14	-688.62	227.56	72.72	-14.68	10.43	47.61	39.55
309	3	304	727.34	455.78	-768.14	402.20	-714.56	250.42	54.42	41.85	49.62	46.64	6.11
		300	1162.28	438.34	-1333.04	402.20	-1296.90	250.42	52.96	15.35	22.38	45.93	-14.66

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		530	1036.90	110.28	-1341.46	65.72	-1296.90	250.42	36.90	-5.65	-1.62	32.87	-12.46
		308	608.19	139.17	-788.01	65.72	-714.56	250.42	38.82	20.39	25.62	33.58	8.31
309	4	304	761.05	411.23	-697.94	343.48	-630.18	265.64	60.13	-49.62	-5.22	15.73	53.87
		300	1156.70	383.74	-1409.03	343.48	-1368.76	265.64	59.10	-66.21	-16.09	8.98	61.39
		530	1072.94	71.09	-1417.77	22.08	-1368.76	265.64	51.88	-61.82	-9.13	-0.81	56.70
		308	675.74	116.57	-724.67	22.08	-630.18	265.64	53.05	-45.38	1.73	5.94	49.17
309	5	304	705.26	389.15	-688.28	329.96	-629.09	245.50	49.58	-40.23	-5.97	15.31	43.63
		300	1132.48	364.07	-1436.96	329.96	-1402.85	245.50	51.68	-54.83	-17.68	14.52	50.76
		530	1034.11	57.14	-1444.13	15.86	-1402.85	245.50	53.70	-51.38	-10.21	12.52	51.29
		308	625.10	98.67	-711.90	15.86	-629.09	245.50	51.96	-37.14	1.50	13.32	44.16
309	6	304	681.58	455.22	-660.26	412.78	-617.82	213.41	43.82	-26.21	-6.92	24.53	31.29
		300	1155.33	438.81	-1336.61	412.78	-1310.57	213.41	56.90	-32.40	-11.42	35.92	37.86
		530	985.39	69.59	-1343.57	36.59	-1310.57	213.41	67.14	-36.82	-4.46	34.77	48.14
		308	568.81	100.03	-681.27	36.59	-617.82	213.41	54.88	-31.46	0.04	23.38	41.57
309	7	304	658.38	429.44	-662.90	382.85	-616.32	220.72	46.94	-24.15	-1.94	24.73	32.95
		300	1121.81	411.12	-1340.56	382.85	-1312.29	220.72	54.39	-24.71	-3.20	32.88	35.20
		530	976.35	82.06	-1347.23	47.12	-1312.29	220.72	60.14	-30.35	-1.02	30.81	42.35
		308	573.37	113.84	-683.04	47.12	-616.32	220.72	53.09	-30.19	0.24	22.66	40.10
309	8	304	568.09	359.75	-594.14	317.74	-552.13	195.71	43.15	36.80	42.15	37.80	2.31
		300	900.53	346.38	-1019.89	317.74	-991.25	195.71	45.58	10.24	19.23	36.59	-15.39
		530	804.28	89.98	-1026.68	54.56	-991.25	195.71	31.67	-7.22	-1.20	25.65	-14.07
		308	477.61	112.21	-609.79	54.56	-552.13	195.71	28.74	19.84	21.72	26.86	3.63
309	9	304	489.41	313.42	-485.71	282.60	-454.88	153.90	34.57	-16.53	1.75	16.29	24.49
		300	800.13	301.63	-961.99	282.60	-942.96	153.90	37.17	-16.19	-0.41	21.38	24.35
		530	693.60	58.49	-966.61	34.84	-942.96	153.90	39.64	-21.57	-0.85	18.93	28.96
		308	419.76	79.18	-499.23	34.84	-454.88	153.90	37.34	-22.20	1.31	13.83	29.10
309	10	304	502.54	312.18	-535.07	275.40	-498.30	172.64	37.30	19.78	27.48	29.60	8.69
		300	815.32	299.66	-953.43	275.40	-929.18	172.64	30.81	11.65	12.02	30.43	-2.66
		530	724.60	70.90	-958.98	41.10	-929.18	172.64	22.88	-1.15	-1.15	22.87	-0.35
		308	413.32	91.62	-548.82	41.10	-498.30	172.64	29.84	6.52	14.31	22.04	11.00
309	11	304	478.93	311.85	-475.13	281.28	-444.55	152.08	31.74	-18.35	-3.93	17.31	22.68
		300	815.05	299.98	-955.48	281.28	-936.78	152.08	39.93	-21.82	-6.76	24.87	26.52
		530	700.91	48.40	-960.25	24.92	-936.78	152.08	46.49	-25.28	-2.72	23.93	33.32
		308	406.95	69.88	-489.51	24.92	-444.55	152.08	38.82	-22.34	0.10	16.38	29.48
310	1	308	826.64	45.27	-1129.55	38.20	-1122.48	90.86	46.88	-27.23	-2.70	22.35	34.88
		530	835.43	45.37	-1113.32	38.20	-1106.15	90.86	57.90	-18.96	5.20	33.75	35.68
		340	731.02	-320.66	-1116.66	-331.17	-1106.15	90.86	62.83	-29.37	5.39	28.07	44.68
		435	717.05	-320.87	-1132.78	-331.17	-1122.48	90.86	51.99	-37.83	-2.51	16.67	43.88
310	2	308	936.04	39.08	-1200.06	34.61	-1195.58	74.30	64.38	-15.22	1.50	47.67	32.42
		530	935.17	39.22	-1164.12	34.61	-1159.51	74.30	76.69	-4.13	11.21	61.35	31.69
		340	826.40	-294.05	-1165.89	-300.43	-1159.51	74.30	77.11	-17.41	9.13	50.58	42.47
		435	822.37	-294.31	-1201.71	-300.43	-1195.58	74.30	65.25	-28.93	-0.58	36.90	43.20
310	3	308	883.59	63.16	-1168.74	49.70	-1155.28	128.05	34.64	5.68	5.70	34.63	0.65
		530	939.66	63.52	-1136.86	49.70	-1123.04	128.05	71.16	21.58	22.87	69.87	-7.88
		340	811.71	-299.41	-1142.95	-319.32	-1123.04	128.05	66.32	4.35	12.28	58.39	20.70
		435	752.28	-300.14	-1174.46	-319.32	-1155.28	128.05	41.54	-23.29	-4.89	23.15	29.23
310	4	308	842.00	25.47	-1158.52	4.71	-1137.75	155.41	42.84	-48.23	-6.93	1.55	45.34
		530	853.83	25.24	-1171.28	4.71	-1150.74	155.41	52.71	-46.05	-0.09	6.76	49.26
		340	809.80	-286.79	-1178.69	-314.74	-1150.74	155.41	54.60	-51.54	3.31	-0.25	53.04
		435	800.82	-286.37	-1166.12	-314.74	-1137.75	155.41	44.63	-53.63	-3.53	-5.46	49.12
310	5	308	810.11	12.84	-1159.35	-0.35	-1146.15	123.66	43.17	-38.32	-8.01	12.86	39.39
		530	831.72	12.73	-1169.07	-0.35	-1155.99	123.66	56.85	-34.12	0.42	22.31	44.15
		340	751.48	-281.51	-1173.47	-299.00	-1155.99	123.66	65.78	-38.34	5.52	21.92	51.41
		435	744.33	-281.32	-1163.84	-299.00	-1146.15	123.66	52.06	-42.51	-2.92	12.47	46.65
310	6	308	832.84	27.60	-1122.09	18.94	-1113.43	99.41	50.32	-28.65	-6.15	27.82	35.65
		530	850.93	27.63	-1117.80	18.94	-1109.11	99.41	65.45	-22.80	2.86	39.79	40.08
		340	762.48	-318.83	-1121.62	-331.33	-1109.11	99.41	75.61	-28.36	7.63	39.62	49.46
		435	737.90	-318.90	-1125.86	-331.33	-1113.43	99.41	60.44	-34.18	-1.38	27.65	45.03
310	7	308	817.58	40.17	-1105.61	31.37	-1096.80	100.06	48.35	-26.53	-4.03	25.86	34.32
		530	835.53	40.19	-1103.15	31.37	-1094.33	100.06	61.12	-19.33	4.42	37.36	36.70
		340	738.89	-306.42	-1107.03	-319.13	-1094.33	100.06	68.02	-27.47	6.58	33.97	45.73
		435	715.43	-306.46	-1109.47	-319.13	-1096.80	100.06	55.33	-34.74	-1.88	22.47	43.36
310	8	308	682.50	53.66	-895.50	42.57	-884.41	101.96	27.77	5.04	5.27	27.54	-2.28
		530	730.12	53.96	-870.07	42.57	-858.68	101.96	58.71	16.63	19.01	56.33	-9.72
		340	626.56	-231.96	-875.26	-248.55	-858.68	101.96	51.42	5.37	9.85	46.93	13.65
		435	576.61	-232.60	-900.36	-248.55	-884.41	101.96	30.92	-16.67	-3.89	18.14	21.09
310	9	308	590.94	28.05	-808.13	23.00	-803.08	64.79	33.41	-19.39	-2.23	16.24	24.73
		530	598.11	28.11	-797.20	23.00	-792.09	64.79	41.75	-13.47	3.66	24.63	25.54
		340	526.49	-222.90	-799.46	-230.28	-792.09	64.79	45.70	-20.76	4.08	20.86	32.16
		435	515.56	-223.04	-810.31	-230.28	-803.08	64.79	37.48	-26.81	-1.80	12.47	31.35
310	10	308	619.91	37.88	-829.80	29.39	-821.30	85.45	24.54	0.96	2.44	23.07	5.71
		530	652.10	38.08	-810.17	29.39	-801.47	85.45	44.76	13.41	13.47	44.70	1.34

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		340	569.30	-211.32	-813.84	-223.69	-801.47	85.45	46.82	-1.21	7.91	37.71	18.83
		435	534.17	-211.71	-833.28	-223.69	-821.30	85.45	31.59	-18.64	-3.12	16.07	23.21
310	11	308	594.39	18.22	-803.97	12.29	-798.05	69.54	35.32	-20.18	-4.14	19.28	25.16
		530	606.72	18.25	-799.69	12.29	-793.73	69.54	45.95	-15.61	2.36	27.99	27.98
		340	543.99	-221.91	-802.19	-230.37	-793.73	69.54	52.80	-20.20	5.32	27.28	34.81
		435	527.16	-221.97	-806.44	-230.37	-798.05	69.54	42.17	-24.78	-1.17	18.57	31.99
311	1	98	1475.00	406.70	-1779.02	388.77	-1761.08	-197.16	63.35	-16.76	5.55	41.04	35.91
		122	1290.23	410.12	-1431.72	388.77	-1410.37	-197.16	83.00	-5.49	16.36	61.15	38.16
		401	1089.86	-280.58	-1444.78	-314.99	-1410.37	-197.16	92.68	-21.64	17.84	53.21	54.36
		334	1255.55	-288.59	-1787.48	-314.99	-1761.08	-197.16	73.78	-33.65	7.02	33.10	52.11
311	2	98	1509.90	377.78	-1778.79	366.49	-1767.50	-155.58	79.12	-9.99	6.74	62.40	34.79
		122	1346.97	379.73	-1462.08	366.49	-1448.84	-155.58	101.37	1.45	18.33	84.49	37.44
		401	1150.73	-283.72	-1469.62	-304.49	-1448.84	-155.58	110.52	-13.59	20.25	76.67	55.27
		334	1297.36	-288.13	-1783.87	-304.49	-1767.50	-155.58	89.03	-25.79	8.66	54.58	52.62
311	3	98	1424.07	392.97	-1724.14	376.21	-1707.38	-187.64	59.72	-9.48	8.29	41.95	30.23
		122	1244.90	396.12	-1392.17	376.21	-1372.26	-187.64	77.58	4.29	19.36	62.51	29.61
		401	1043.16	-276.95	-1404.41	-309.09	-1372.26	-187.64	83.38	-14.96	17.32	51.10	46.18
		334	1205.35	-284.35	-1732.12	-309.09	-1707.38	-187.64	66.74	-29.96	6.25	30.53	46.80
311	4	98	1409.38	390.45	-1717.87	372.92	-1700.34	-191.44	58.42	-23.84	3.66	30.91	38.80
		122	1237.31	393.69	-1391.90	372.92	-1371.13	-191.44	76.28	-15.90	12.43	47.95	42.53
		401	1038.42	-275.14	-1404.57	-308.58	-1371.13	-191.44	84.82	-30.27	15.40	39.15	56.30
		334	1191.96	-282.73	-1726.19	-308.58	-1700.34	-191.44	67.51	-38.77	6.64	22.11	52.57
311	5	98	1429.18	380.60	-1736.03	366.12	-1721.55	-174.48	62.00	-19.16	4.69	38.15	36.97
		122	1258.91	383.23	-1413.10	366.12	-1395.99	-174.48	81.09	-9.24	14.79	57.07	39.91
		401	1064.32	-278.03	-1423.22	-305.26	-1395.99	-174.48	90.49	-24.40	17.01	49.08	55.16
		334	1216.94	-284.09	-1742.72	-305.26	-1721.55	-174.48	72.04	-34.96	6.91	30.16	52.22
311	6	98	1481.59	407.10	-1776.28	388.72	-1757.90	-199.46	64.94	-15.00	5.37	44.57	34.83
		122	1299.81	410.58	-1431.89	388.72	-1410.03	-199.46	85.55	-3.37	16.68	65.50	37.16
		401	1103.32	-280.05	-1445.24	-315.26	-1410.03	-199.46	96.43	-18.99	18.41	59.03	54.02
		334	1265.95	-288.19	-1784.97	-315.26	-1757.90	-199.46	76.57	-31.36	7.11	38.10	51.69
311	7	98	1429.91	393.24	-1720.90	375.68	-1703.35	-191.86	61.39	-15.08	5.09	41.22	33.70
		122	1253.34	396.58	-1386.04	375.68	-1365.15	-191.86	81.40	-3.56	16.11	61.73	35.84
		401	1063.68	-272.15	-1398.83	-305.83	-1365.15	-191.86	92.21	-19.11	17.66	55.44	52.36
		334	1221.57	-279.97	-1729.21	-305.83	-1703.35	-191.86	72.96	-31.38	6.65	34.94	50.22
311	8	98	1097.01	306.64	-1325.96	292.97	-1312.29	-148.75	45.78	-6.68	6.65	32.45	22.84
		122	957.11	309.22	-1068.42	292.97	-1052.17	-148.75	59.14	3.89	15.02	48.01	22.16
		401	799.77	-212.76	-1078.53	-239.12	-1052.17	-148.75	63.03	-10.96	13.19	38.87	34.70
		334	926.61	-218.88	-1332.53	-239.12	-1312.29	-148.75	50.63	-22.49	4.82	23.31	35.37
311	9	98	1038.60	282.17	-1255.38	270.37	-1243.58	-134.16	44.73	-11.81	3.85	29.06	25.30
		122	910.56	284.39	-1013.19	270.37	-999.17	-134.16	58.96	-3.54	11.73	43.69	26.86
		401	771.17	-198.70	-1021.66	-221.19	-999.17	-134.16	66.20	-15.19	12.75	38.25	38.64
		334	885.87	-203.87	-1260.89	-221.19	-1243.58	-134.16	52.51	-24.00	4.88	23.62	37.09
311	10	98	1010.36	274.55	-1224.90	263.39	-1213.74	-128.87	42.71	-7.76	5.37	29.57	22.15
		122	885.47	276.63	-991.24	263.39	-978.00	-128.87	55.94	1.90	13.39	44.45	22.11
		401	745.30	-196.65	-999.26	-217.91	-978.00	-128.87	61.03	-11.48	12.47	37.08	34.10
		334	858.02	-201.50	-1230.15	-217.91	-1213.74	-128.87	48.59	-21.95	4.45	22.19	34.14
311	11	98	1042.27	282.38	-1253.85	270.34	-1241.81	-135.44	45.60	-10.83	3.76	31.02	24.70
		122	915.90	284.64	-1013.27	270.34	-998.98	-135.44	60.38	-2.37	11.90	46.12	26.30
		401	778.67	-198.42	-1021.90	-221.34	-998.98	-135.44	68.28	-13.72	13.07	41.49	38.46
		334	891.66	-203.67	-1259.48	-221.34	-1241.81	-135.44	54.05	-22.73	4.93	26.40	36.86
312	1	176	606.44	648.20	-90.09	647.06	-88.95	29.05	91.56	-47.03	22.76	21.76	69.29
		310	1133.02	647.52	-1188.57	647.06	-1188.11	29.05	61.17	-54.51	7.55	-0.90	57.68
		307	840.89	-168.59	-1188.94	-169.42	-1188.11	29.05	58.39	-27.63	-1.06	31.83	39.74
		122	304.65	-79.56	-178.81	-169.42	-88.95	29.05	89.48	-20.86	14.14	54.49	51.35
312	2	176	545.16	583.88	-156.30	577.37	-149.79	69.10	98.96	-22.36	21.11	55.48	58.17
		310	1222.71	579.89	-1315.63	577.37	-1313.11	69.10	82.35	-24.27	12.19	45.89	50.58
		307	1005.88	-166.02	-1317.27	-170.18	-1313.11	69.10	90.68	-15.57	6.69	68.42	43.23
		122	351.55	-90.14	-229.83	-170.18	-149.79	69.10	106.46	-12.83	15.61	78.02	50.83
312	3	176	590.88	651.90	-102.38	650.49	-100.97	32.58	83.01	-24.63	31.91	26.47	53.75
		310	1073.28	651.09	-1127.28	650.49	-1126.68	32.58	52.86	-20.97	20.43	11.47	36.64
		307	806.29	-180.27	-1127.80	-181.39	-1126.68	32.58	54.23	-7.20	5.55	41.49	24.91
		122	269.49	-89.42	-192.94	-181.39	-100.97	32.58	83.18	-9.66	17.03	56.49	42.02
312	4	176	597.14	630.80	-97.16	629.79	-96.15	27.14	89.36	-55.78	16.01	17.56	72.57
		310	1101.69	630.21	-1141.16	629.79	-1140.75	27.14	64.13	-65.85	2.22	-3.94	64.92
		307	796.31	-168.86	-1141.50	-169.62	-1140.75	27.14	59.36	-39.62	-2.85	22.59	47.83
		122	311.58	-87.21	-178.56	-169.62	-96.15	27.14	85.41	-30.38	10.94	44.09	55.47
312	5	176	604.50	602.59	-105.37	598.84	-101.62	51.39	93.89	-51.87	19.91	22.10	72.87
		310	1143.52	600.30	-1221.03	598.84	-1219.57	51.39	64.19	-62.49	4.95	-3.25	63.21
		307	847.72	-165.33	-1222.08	-167.83	-1219.57	51.39	57.72	-32.79	-1.88	26.82	42.92
		122	328.42	-73.59	-195.85	-167.83	-101.62	51.39	88.72	-23.47	13.08	52.17	52.58
312	6	176	599.76	646.86	-87.88	645.86	-86.88	27.09	90.95	-45.92	22.35	22.68	68.44
		310	1131.21	646.26	-1192.55	645.86	-1192.15	27.09	60.77	-52.62	7.98	0.16	56.56

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		307	851.82	-165.71	-1192.87	-166.42	-1192.15	27.09	59.78	-25.39	-0.66	35.05	38.66
		122	303.06	-78.53	-174.77	-166.42	-86.88	27.09	90.72	-19.45	13.71	57.57	50.53
312	7	176	577.01	626.79	-91.78	625.95	-90.95	24.48	86.05	-43.31	21.19	21.55	64.68
		310	1081.54	626.29	-1139.89	625.95	-1139.55	24.48	58.25	-49.25	7.58	1.43	53.66
		307	815.11	-163.27	-1140.16	-163.88	-1139.55	24.48	58.31	-24.67	-0.41	34.05	37.74
		122	288.05	-83.49	-171.34	-163.88	-90.95	24.48	86.57	-19.20	13.20	54.17	48.76
312	8	176	456.81	511.54	-74.72	510.80	-73.99	20.69	62.85	-17.51	25.35	19.99	40.09
		310	820.64	511.12	-851.53	510.80	-851.21	20.69	39.61	-13.46	16.86	9.28	26.26
		307	610.74	-140.87	-851.81	-141.48	-851.21	20.69	41.32	-4.06	4.72	32.54	17.92
		122	202.06	-68.15	-147.32	-141.48	-73.99	20.69	63.35	-6.89	13.21	43.25	31.75
312	9	176	426.61	448.62	-69.55	447.38	-68.31	25.30	65.01	-32.76	15.99	16.26	48.89
		310	802.85	447.87	-852.38	447.38	-851.89	25.30	43.68	-38.31	5.26	0.11	40.91
		307	602.58	-118.06	-852.76	-118.94	-851.89	25.30	41.65	-19.32	-0.62	22.95	28.12
		122	218.27	-57.84	-129.41	-118.94	-68.31	25.30	63.50	-14.29	10.11	39.09	36.09
312	10	176	416.75	450.70	-76.41	449.29	-74.99	27.26	60.24	-20.29	21.07	18.87	40.25
		310	768.60	449.87	-818.35	449.29	-817.76	27.26	39.05	-19.65	12.41	6.98	29.22
		307	583.36	-124.52	-818.83	-125.59	-817.76	27.26	39.24	-7.86	3.06	28.32	19.88
		122	198.48	-63.10	-137.48	-125.59	-74.99	27.26	60.00	-8.07	11.72	40.21	30.91
312	11	176	422.86	447.85	-68.30	446.71	-67.16	24.21	64.68	-32.15	15.77	16.76	48.41
		310	801.82	447.16	-854.58	446.71	-854.13	24.21	43.46	-37.26	5.50	0.70	40.29
		307	608.68	-116.48	-854.93	-117.27	-854.13	24.21	42.42	-18.07	-0.39	24.74	27.51
		122	217.24	-57.38	-127.06	-117.27	-67.16	24.21	64.19	-13.51	9.87	40.80	35.64
313	1	122	1146.25	-173.72	-1514.69	-241.16	-1447.25	-293.06	76.11	-23.95	8.17	43.99	46.71
		307	883.25	-143.77	-1123.02	-241.16	-1025.62	-293.06	63.57	-27.23	3.74	32.60	43.04
		341	900.71	-196.16	-1129.17	-299.70	-1025.62	-293.06	72.88	-13.50	2.67	56.70	33.70
		401	1171.51	-229.19	-1517.76	-299.70	-1447.25	-293.06	85.83	-10.63	7.10	68.09	37.37
313	2	122	1205.19	-188.09	-1532.81	-237.46	-1483.45	-252.87	96.07	-13.46	12.27	70.34	46.44
		307	954.29	-168.83	-1169.29	-237.46	-1100.67	-252.87	84.19	-15.62	8.14	60.43	42.51
		341	972.52	-205.79	-1172.13	-277.24	-1100.67	-252.87	92.68	-7.55	6.12	79.00	34.40
		401	1228.05	-226.37	-1534.32	-277.24	-1483.45	-252.87	104.50	-5.34	10.25	88.91	38.34
313	3	122	1089.20	-197.19	-1466.67	-254.66	-1409.21	-263.91	70.94	-11.10	12.71	47.13	37.24
		307	844.03	-174.17	-1120.02	-254.66	-1039.53	-263.91	56.71	-9.08	8.46	39.17	29.09
		341	866.00	-210.01	-1123.49	-293.97	-1039.53	-263.91	64.55	-6.46	1.72	56.37	22.68
		401	1115.21	-234.67	-1468.50	-293.97	-1409.21	-263.91	77.59	-7.30	5.97	64.32	30.82
313	4	122	1099.82	-179.51	-1469.15	-241.08	-1407.59	-274.97	72.47	-33.81	6.03	32.63	51.45
		307	858.79	-153.82	-1107.54	-241.08	-1020.28	-274.97	59.43	-41.41	0.12	17.90	49.63
		341	856.76	-208.99	-1113.48	-302.18	-1020.28	-274.97	61.17	-22.71	0.56	37.90	37.56
		401	1106.77	-237.56	-1472.21	-302.18	-1407.59	-274.97	75.18	-16.09	6.47	52.63	39.37
313	5	122	1118.41	-181.35	-1486.84	-236.93	-1431.26	-263.57	75.28	-27.58	7.30	40.40	48.70
		307	870.18	-158.29	-1120.28	-236.93	-1041.64	-263.57	62.69	-32.30	2.60	27.79	45.80
		341	884.81	-206.85	-1124.86	-290.07	-1041.64	-263.57	69.65	-16.36	2.25	51.03	35.42
		401	1140.86	-232.14	-1489.20	-290.07	-1431.26	-263.57	82.97	-12.37	6.96	63.64	38.32
313	6	122	1155.27	-168.84	-1515.81	-237.80	-1446.85	-296.87	77.51	-21.87	7.81	47.83	45.48
		307	892.70	-138.08	-1121.59	-237.80	-1021.87	-296.87	66.56	-24.13	4.42	38.01	42.12
		341	917.54	-195.73	-1128.55	-302.41	-1021.87	-296.87	79.76	-11.29	3.97	64.50	34.01
		401	1187.16	-229.99	-1519.28	-302.41	-1446.85	-296.87	91.01	-9.34	7.36	74.32	37.37
313	7	122	1112.36	-168.80	-1466.04	-233.86	-1400.97	-283.14	74.18	-21.46	7.70	45.02	44.03
		307	860.99	-140.17	-1089.54	-233.86	-995.84	-283.14	63.34	-23.83	4.14	35.38	40.69
		341	884.05	-193.46	-1095.76	-293.37	-995.84	-283.14	75.20	-11.45	3.52	60.23	32.75
		401	1142.16	-225.19	-1469.16	-293.37	-1400.97	-283.14	86.31	-9.36	7.08	69.87	36.09
313	8	122	835.26	-152.72	-1126.67	-198.38	-1081.01	-205.88	53.94	-7.63	10.04	36.27	27.85
		307	644.36	-134.03	-856.98	-198.38	-792.62	-205.88	42.89	-5.71	6.79	30.39	21.24
		341	660.75	-161.25	-859.75	-228.38	-792.62	-205.88	48.80	-4.54	1.18	43.08	16.51
		401	854.71	-181.27	-1128.12	-228.38	-1081.01	-205.88	58.79	-5.40	4.43	48.96	23.12
313	9	122	809.67	-124.08	-1070.11	-169.33	-1024.85	-201.90	54.17	-16.69	5.89	31.59	33.02
		307	627.37	-104.69	-799.92	-169.33	-735.28	-201.90	45.38	-18.91	2.80	23.67	30.40
		341	641.10	-140.99	-803.87	-209.58	-735.28	-201.90	52.21	-9.36	2.03	40.82	23.90
		401	828.60	-162.32	-1072.12	-209.58	-1024.85	-201.90	61.27	-7.40	5.12	48.74	26.52
313	10	122	778.03	-137.04	-1043.51	-176.83	-1003.72	-185.70	51.29	-9.55	8.41	33.33	27.75
		307	605.76	-121.35	-798.48	-176.83	-743.01	-185.70	41.53	-8.79	5.42	27.32	22.65
		341	622.07	-148.40	-801.00	-206.39	-743.01	-185.70	47.51	-5.37	1.51	40.64	17.78
		401	797.42	-165.26	-1044.85	-206.39	-1003.72	-185.70	56.68	-5.54	4.49	46.65	22.88
313	11	122	814.72	-121.38	-1070.72	-167.46	-1024.64	-204.02	54.94	-15.54	5.69	33.72	32.33
		307	632.68	-101.57	-799.09	-167.46	-733.19	-204.02	47.04	-17.19	3.17	26.67	29.89
		341	650.48	-140.82	-803.46	-211.09	-733.19	-204.02	56.04	-8.13	2.75	45.15	24.08
		401	837.31	-162.79	-1072.93	-211.09	-1024.64	-204.02	64.15	-6.68	5.26	52.20	26.52
314	1	403	597.20	-31.44	-797.00	-40.53	-787.91	-82.91	25.65	-8.19	-5.77	23.23	8.72
		405	197.41	5.84	-188.79	-40.53	-142.42	-82.91	20.91	-9.31	-3.18	14.79	12.15
		407	221.74	16.34	-185.72	-26.96	-142.42	-82.91	35.76	-1.33	0.80	33.63	8.64
		354	642.23	-18.03	-796.84	-26.96	-787.91	-82.91	42.68	-2.39	-1.78	42.07	5.21
314	2	403	599.39	-26.57	-797.93	-35.87	-788.64	-84.18	25.32	-8.67	-6.32	22.97	8.62
		405	199.19	10.35	-189.18	-35.87	-142.96	-84.18	20.62	-9.61	-3.80	14.82	11.91

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		407	222.41	15.59	-187.65	-29.10	-142.96	-84.18	35.52	-1.96	0.08	33.47	8.52
		354	641.96	-19.88	-797.85	-29.10	-788.64	-84.18	42.23	-3.04	-2.43	41.62	5.23
314	3	403	625.08	-31.00	-829.05	-42.36	-817.70	-94.51	27.03	-9.75	-7.36	24.64	9.06
		405	212.12	13.85	-201.25	-42.36	-145.04	-94.51	21.37	-10.90	-5.01	15.48	12.47
		407	235.51	26.04	-197.24	-26.17	-145.04	-94.51	36.67	-3.00	-1.00	34.67	8.68
		354	671.21	-15.04	-828.82	-26.17	-817.70	-94.51	44.41	-3.93	-3.35	43.83	5.28
314	4	403	624.37	-29.16	-828.78	-40.19	-817.75	-93.25	27.69	-26.68	23.33	-22.31	14.77
		405	178.34	14.60	-198.92	-40.19	-144.13	-93.25	34.35	1.12	32.70	2.78	7.23
		407	209.74	16.44	-198.29	-37.72	-144.13	-93.25	36.19	-8.33	28.49	-0.63	16.84
		354	627.08	-26.73	-828.75	-37.72	-817.75	-93.25	29.83	-36.42	19.12	-25.72	24.39
314	5	403	669.82	1.07	-873.08	-13.05	-858.97	-110.19	24.96	-30.92	20.50	-26.46	15.15
		405	182.44	48.20	-211.30	-13.05	-150.06	-110.19	30.80	1.57	29.67	2.70	5.63
		407	225.25	24.11	-219.77	-45.60	-150.06	-110.19	32.14	-11.50	24.14	-3.50	16.89
		354	664.56	-30.93	-873.63	-45.60	-858.97	-110.19	26.71	-44.40	14.97	-32.66	26.41
314	6	403	630.05	11.31	-788.08	4.40	-781.17	-73.96	25.00	-32.65	21.24	-28.89	14.24
		405	161.45	35.32	-172.52	4.40	-141.61	-73.96	30.52	0.66	29.62	1.56	5.11
		407	186.10	-4.78	-181.58	-44.76	-141.61	-73.96	32.04	-12.57	24.26	-4.80	16.92
		354	622.14	-37.40	-788.53	-44.76	-781.17	-73.96	26.82	-46.19	15.89	-35.26	26.05
314	7	403	595.83	-33.41	-797.60	-42.72	-788.29	-83.83	25.34	-7.90	-5.53	22.97	8.54
		405	196.89	4.86	-190.42	-42.72	-142.84	-83.83	20.75	-8.85	-2.82	14.73	11.92
		407	221.35	16.56	-186.93	-27.53	-142.84	-83.83	35.52	-0.97	1.12	33.43	8.48
		354	641.12	-18.40	-797.41	-27.53	-788.29	-83.83	42.27	-2.18	-1.59	41.67	5.10
314	8	403	479.90	-23.88	-633.84	-32.56	-625.15	-72.27	21.34	-7.51	-5.76	19.58	6.90
		405	162.72	10.60	-153.56	-32.56	-110.40	-72.27	16.68	-8.34	-3.96	12.31	9.50
		407	182.56	20.56	-150.28	-19.32	-110.40	-72.27	29.35	-2.17	-0.77	27.95	6.50
		354	517.74	-10.82	-633.65	-19.32	-625.15	-72.27	35.62	-2.97	-2.57	35.22	3.90
314	9	403	428.09	-22.50	-572.91	-29.16	-566.25	-60.16	18.01	-5.89	-4.11	16.24	6.27
		405	142.00	4.53	-136.61	-29.16	-102.92	-60.16	14.80	-6.67	-2.26	10.39	8.68
		407	158.48	11.81	-134.47	-19.74	-102.92	-60.16	24.96	-1.08	0.51	23.37	6.24
		354	459.05	-13.20	-572.80	-19.74	-566.25	-60.16	29.69	-1.82	-1.34	29.22	3.83
314	10	403	443.59	-22.26	-590.71	-30.18	-582.80	-66.61	18.77	-6.75	-5.00	17.02	6.46
		405	150.17	8.96	-143.52	-30.18	-104.37	-66.61	15.05	-7.55	-3.28	10.77	8.85
		407	166.14	17.19	-140.87	-19.30	-104.37	-66.61	25.46	-2.00	-0.49	23.95	6.26
		354	475.16	-11.53	-590.56	-19.30	-582.80	-66.61	30.65	-2.67	-2.21	30.19	3.87
314	11	403	423.17	1.20	-567.91	-4.20	-562.51	-55.19	14.13	-15.96	10.89	-12.72	9.33
		405	108.55	20.56	-127.23	-4.20	-102.47	-55.19	17.53	1.47	15.96	3.04	4.77
		407	131.87	0.08	-132.17	-29.63	-102.47	-55.19	20.06	-4.50	13.55	2.02	10.84
		354	413.15	-23.97	-568.16	-29.63	-562.51	-55.19	16.36	-21.63	8.47	-13.74	15.41
315	1	406	577.76	572.96	-98.58	41.38	433.00	272.76	48.03	-48.30	12.40	-12.67	46.50
		212	1231.57	91.99	-1428.42	41.38	-1377.81	272.76	6.71	-91.90	6.60	-91.80	3.23
		408	1023.13	-4.78	-1431.99	-58.96	-1377.81	272.76	6.23	-60.18	-9.49	-44.46	-28.23
		405	560.52	554.31	-180.27	-58.96	433.00	272.76	39.86	-8.88	-3.69	34.67	15.04
315	2	406	575.37	575.62	-87.26	55.39	432.97	272.42	47.28	-48.25	11.65	-12.62	46.20
		212	1233.42	105.46	-1426.73	55.39	-1376.66	272.42	5.86	-91.64	5.76	-91.55	2.98
		408	1022.43	-0.02	-1430.56	-53.93	-1376.66	272.42	5.77	-60.46	-10.32	-44.37	-28.40
		405	558.76	554.87	-175.83	-53.93	432.97	272.42	39.56	-9.43	-4.44	34.57	14.82
315	3	406	583.67	586.03	-80.73	61.85	443.45	273.38	48.04	-49.68	11.10	-12.74	47.38
		212	1245.43	111.78	-1435.26	61.85	-1385.34	273.38	5.17	-93.52	5.08	-93.43	3.01
		408	1026.86	-5.80	-1439.51	-59.98	-1385.34	273.38	5.27	-61.94	-11.46	-45.21	-29.06
		405	570.78	563.35	-179.88	-59.98	443.45	273.38	40.57	-10.53	-5.44	35.47	15.31
315	4	406	642.96	585.94	-80.67	62.49	442.78	273.74	78.75	-62.63	39.07	-22.95	63.53
		212	1399.25	112.54	-1434.47	62.49	-1384.41	273.74	30.58	-138.95	30.49	-138.87	3.77
		408	1118.67	-6.99	-1438.81	-61.39	-1384.41	273.74	25.97	-92.33	8.15	-74.51	-42.32
		405	566.03	562.83	-181.44	-61.39	442.78	273.74	50.44	7.71	16.73	41.42	17.44
315	5	406	654.48	621.35	-5.93	157.42	458.01	275.28	76.39	-65.07	35.00	-23.68	64.36
		212	1446.45	204.75	-1443.73	157.42	-1396.40	275.28	25.39	-143.98	25.37	-143.95	1.93
		408	1134.06	17.90	-1449.98	-35.68	-1396.40	275.28	22.80	-98.68	1.89	-77.78	-45.86
		405	572.72	580.91	-158.59	-35.68	458.01	275.28	49.70	4.32	11.53	42.50	16.58
315	6	406	640.24	589.89	-43.45	115.53	430.91	274.61	74.30	-64.09	33.95	-23.74	62.90
		212	1408.11	164.55	-1422.86	115.53	-1373.84	274.61	24.18	-141.72	24.16	-141.70	1.83
		408	1118.36	28.19	-1427.63	-25.60	-1373.84	274.61	21.87	-97.08	1.26	-76.47	-45.02
		405	553.74	559.74	-154.44	-25.60	430.91	274.61	48.39	4.15	11.05	41.49	16.05
315	7	406	579.34	572.62	-100.40	39.16	433.06	272.86	48.63	-48.68	12.89	-12.94	46.91
		212	1235.80	89.86	-1429.33	39.16	-1378.63	272.86	7.16	-93.49	7.07	-93.41	2.94
		408	1025.10	-6.24	-1432.88	-60.49	-1378.63	272.86	6.88	-61.50	-9.28	-45.33	-29.05
		405	561.29	554.18	-181.62	-60.49	433.06	272.86	40.22	-8.56	-3.46	35.13	14.91
315	8	406	448.25	450.61	-62.34	47.11	341.15	210.15	36.71	-38.06	8.38	-9.73	36.28
		212	955.77	85.53	-1102.37	47.11	-1063.95	210.15	3.85	-17.67	3.79	-71.60	2.23
		408	787.88	-4.37	-1105.63	-46.05	-1063.95	210.15	4.09	-47.45	-8.89	-34.47	-22.37
		405	439.00	433.29	-138.19	-46.05	341.15	210.15	31.24	-8.14	-4.30	27.40	11.68
315	9	406	411.67	408.36	-68.38	31.52	308.45	194.03	34.36	-34.56	8.88	-9.08	33.27
		212	878.53	67.43	-1017.12	31.52	-981.22	194.03	4.76	-65.77	4.69	-65.70	2.31

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		408	729.04	-3.66	-1019.73	-42.18	-981.22	194.03	4.40	-43.16	-6.84	-31.92	-20.20
		405	399.30	394.64	-128.36	-42.18	308.45	194.03	28.43	-6.37	-2.65	24.70	10.76
315	10	406	414.96	415.63	-58.47	42.90	314.25	194.38	34.37	-35.33	8.16	-9.12	33.76
		212	886.24	78.42	-1020.92	42.90	-985.40	194.38	3.91	-66.67	3.84	-66.60	2.19
		408	731.11	-4.23	-1023.91	-42.74	-985.40	194.38	3.86	-44.13	-7.93	-32.34	-20.66
		405	405.00	399.66	-128.15	-42.74	314.25	194.38	28.82	-7.29	-3.62	25.15	10.91
315	11	406	444.91	417.61	-37.60	72.72	307.29	195.06	48.87	-43.25	20.85	-15.23	42.38
		212	976.33	107.73	-1014.02	72.72	-979.01	195.06	14.47	-93.44	14.44	-93.42	1.53
		408	781.41	14.65	-1017.30	-23.64	-979.01	195.06	13.03	-63.60	-0.86	-49.70	-29.53
		405	395.18	397.61	-113.97	-23.64	307.29	195.06	33.14	0.90	5.54	28.49	11.32
316	1	405	129.38	-26.56	-174.63	-57.01	-144.19	59.85	24.24	-3.35	2.65	18.24	11.38
		408	528.37	-52.01	-773.12	-57.01	-768.12	59.85	1.12	-27.17	-13.92	-12.13	14.12
		353	519.35	-35.00	-773.00	-39.89	-768.12	59.85	1.67	-11.55	-10.96	1.08	2.73
		407	177.26	-12.66	-171.42	-39.89	-144.19	59.85	31.45	5.62	5.62	31.45	-4.81e-03
316	2	405	130.90	-23.19	-173.59	-52.04	-144.74	59.22	23.88	-3.83	1.85	18.20	11.18
		408	527.75	-47.17	-772.37	-52.04	-767.51	59.22	0.55	-27.29	-14.69	-12.05	13.86
		353	519.16	-37.87	-772.31	-42.67	-767.51	59.22	1.56	-12.25	-11.77	1.09	2.52
		407	177.40	-15.53	-171.88	-42.67	-144.74	59.22	31.33	4.77	4.77	31.33	-0.15
316	3	405	133.31	-33.74	-171.94	-58.55	-147.13	53.04	24.68	-4.58	1.03	19.07	11.52
		408	525.78	-54.63	-774.92	-58.55	-770.99	53.04	0.26	-28.25	-15.92	-12.07	14.13
		353	522.16	-40.94	-774.85	-44.79	-770.99	53.04	1.66	-13.42	-13.01	1.25	2.45
		407	179.03	-22.26	-169.66	-44.79	-147.13	53.04	32.40	3.94	3.95	32.39	-0.16
316	4	405	174.00	-35.51	-169.85	-60.01	-145.34	51.88	25.30	-13.01	18.43	-6.13	14.70
		408	587.73	-56.26	-777.05	-60.01	-773.30	51.88	14.89	-32.64	6.75	-24.49	17.91
		353	560.73	-34.39	-776.94	-38.03	-773.30	51.88	14.35	-17.21	9.78	-12.64	11.10
		407	139.89	-17.05	-166.32	-38.03	-145.34	51.88	24.74	2.45	21.46	5.73	7.90
316	5	405	169.70	-21.77	-165.21	-35.10	-151.87	41.65	19.69	-14.76	12.60	-7.67	13.93
		408	588.25	-32.77	-779.21	-35.10	-776.88	41.65	9.15	-33.12	1.12	-25.09	16.58
		353	550.23	-51.35	-779.27	-53.74	-776.88	41.65	8.48	-18.31	3.83	-13.65	10.15
		407	125.07	-38.44	-167.17	-53.74	-151.87	41.65	19.00	0.08	15.31	3.77	7.50
316	6	405	185.64	2.76	-169.31	-23.55	-143.00	61.92	18.80	-15.56	12.17	-8.92	13.56
		408	586.25	-18.42	-770.87	-23.55	-765.74	61.92	8.49	-32.24	0.37	-24.12	16.27
		353	549.01	-34.77	-770.99	-40.01	-765.74	61.92	8.52	-18.16	3.10	-12.73	10.74
		407	144.92	-10.97	-172.04	-40.01	-143.00	61.92	18.84	-1.48	14.90	2.47	8.03
316	7	405	128.92	-27.88	-175.25	-58.57	-144.57	59.84	24.01	-3.06	2.89	18.06	11.21
		408	529.10	-53.57	-773.97	-58.57	-768.96	59.84	0.95	-27.02	-13.72	-12.35	13.97
		353	519.15	-35.56	-773.84	-40.44	-768.96	59.84	1.48	-11.28	-10.74	0.94	2.57
		407	177.29	-13.18	-171.82	-40.44	-144.57	59.84	31.35	5.87	5.87	31.35	-0.19
316	8	405	103.17	-24.96	-131.86	-44.78	-112.04	41.54	19.33	-3.39	0.79	15.15	8.80
		408	400.63	-41.63	-592.70	-44.78	-589.55	41.54	0.30	-21.35	-12.35	-8.69	10.67
		353	403.06	-31.49	-592.64	-34.58	-589.55	41.54	2.52	-10.34	-10.10	2.28	1.74
		407	140.26	-16.52	-130.11	-34.58	-112.04	41.54	26.13	3.04	3.05	26.13	-0.13
316	9	405	92.43	-20.38	-124.82	-41.01	-104.18	41.58	17.12	-2.50	1.81	12.80	8.13
		408	378.23	-37.63	-552.54	-41.01	-549.16	41.58	0.68	-19.65	-9.97	-9.00	10.16
		353	369.15	-25.63	-552.46	-28.93	-549.16	41.58	0.52	-8.33	-7.87	0.05	1.98
		407	125.41	-10.48	-122.64	-28.93	-104.18	41.58	21.85	3.92	3.92	21.85	-0.05
316	10	405	94.65	-24.33	-123.35	-41.87	-105.82	37.80	17.36	-3.18	0.92	13.26	8.21
		408	376.79	-39.07	-553.55	-41.87	-550.75	37.80	0.19	-20.24	-11.08	-8.96	10.16
		353	370.72	-28.92	-553.49	-31.65	-550.75	37.80	0.50	-9.36	-9.01	0.15	1.82
		407	126.40	-15.78	-121.69	-31.65	-105.82	37.80	22.38	2.99	2.99	22.38	-0.13
316	11	405	120.48	-4.06	-121.89	-22.42	-103.53	42.74	12.86	-8.05	7.10	-2.29	9.34
		408	410.03	-18.97	-551.29	-22.42	-547.84	42.74	4.39	-22.08	-2.03	-15.66	11.35
		353	384.39	-25.50	-551.33	-29.00	-547.84	42.74	3.62	-11.29	-0.06	-7.62	6.42
		407	89.62	-9.56	-122.96	-29.00	-103.53	42.74	12.13	2.69	9.07	5.75	4.42
317	1	409	515.32	-40.34	-778.79	-41.88	-777.25	-33.70	2.89	-2.05	2.88	-2.05	-0.10
		110	104.41	-30.11	-138.38	-41.88	-126.61	-33.70	15.20	4.12	6.74	12.58	-4.71
		125	128.16	-6.57	-136.08	-16.04	-126.61	-33.70	17.47	4.92	4.99	17.39	0.97
		358	522.81	-14.55	-778.74	-16.04	-777.25	-33.70	7.59	-3.69	1.14	2.76	5.58
317	2	409	516.81	-41.03	-784.86	-43.02	-782.87	-38.38	2.32	-1.49	2.31	-1.48	0.19
		110	107.09	-28.27	-142.88	-43.02	-128.13	-38.38	14.88	3.85	6.03	12.69	-4.39
		125	132.21	-5.00	-140.10	-16.96	-128.13	-38.38	17.72	4.23	4.32	17.62	1.11
		358	529.51	-15.04	-784.79	-16.96	-782.87	-38.38	7.89	-3.85	0.59	3.45	5.69
317	3	409	527.81	-59.36	-813.71	-61.59	-811.49	-40.92	1.91	0.70	0.74	1.87	-0.22
		110	109.92	-41.99	-147.05	-61.59	-127.46	-40.92	15.24	2.96	4.34	13.86	-3.88
		125	142.12	2.54	-140.34	-10.34	-127.46	-40.92	20.63	3.28	3.31	20.60	0.76
		358	564.97	-8.25	-813.57	-10.34	-811.49	-40.92	10.43	-2.11	-0.29	8.61	4.42
317	4	409	570.35	-55.96	-814.36	-58.27	-812.05	-41.80	52.83	-28.58	18.02	6.23	40.28
		110	221.41	-38.79	-147.99	-58.27	-128.51	-41.80	40.53	-31.97	14.68	-6.12	34.72
		125	197.97	-4.03	-142.55	-18.07	-128.51	-41.80	35.27	-26.63	12.19	-3.54	29.93
		358	580.28	-15.87	-814.24	-18.07	-812.05	-41.80	47.81	-23.48	15.53	8.80	35.49
317	5	409	670.06	-61.79	-906.43	-67.22	-901.01	-67.46	60.19	-31.86	13.51	14.82	46.02
		110	278.15	-26.20	-178.17	-67.22	-137.15	-67.46	43.16	-40.58	8.16	-5.58	41.30

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		125	245.33	13.78	-167.31	-16.38	-137.15	-67.46	36.45	-30.66	6.39	-0.59	33.37
		358	682.42	-11.26	-906.12	-16.38	-901.01	-67.46	54.08	-22.53	11.73	19.81	38.09
317	6	409	603.02	19.55	-815.69	18.00	-814.13	-36.04	54.18	-37.09	18.66	-1.58	44.50
		110	217.86	26.14	-141.44	18.00	-133.29	-36.04	40.73	-36.36	14.14	-9.77	36.65
		125	204.37	-26.63	-145.47	-38.81	-133.29	-36.04	34.46	-36.07	9.97	-11.57	33.58
		358	578.00	-37.14	-815.80	-38.81	-814.13	-36.04	47.94	-36.83	14.50	-3.38	41.43
317	7	409	512.85	-46.48	-780.29	-48.28	-778.49	-36.26	2.81	-1.50	2.80	-1.50	-0.13
		110	104.55	-34.08	-140.87	-48.28	-126.68	-36.26	15.00	4.13	6.61	12.52	-4.56
		125	129.85	-4.15	-137.41	-14.88	-126.68	-36.26	17.66	4.93	4.99	17.60	0.88
		358	526.33	-13.17	-780.21	-14.88	-778.49	-36.26	7.82	-3.06	1.18	3.58	5.31
317	8	409	406.13	-45.36	-623.57	-47.04	-621.89	-31.10	2.11	0.37	0.46	2.03	-0.37
		110	84.34	-32.09	-111.74	-47.04	-96.80	-31.10	12.10	2.12	3.22	10.99	-3.13
		125	111.28	2.69	-106.52	-7.04	-96.80	-31.10	17.09	2.56	2.57	17.08	0.33
		358	437.06	-5.47	-623.46	-7.04	-621.89	-31.10	9.14	-1.22	-0.20	8.12	3.09
317	9	409	368.70	-31.05	-558.68	-32.22	-557.51	-24.81	1.98	-1.42	1.97	-1.42	0.10
		110	75.15	-23.20	-100.51	-32.22	-91.50	-24.81	10.56	3.01	4.69	8.88	-3.14
		125	91.86	-4.49	-98.57	-11.56	-91.50	-24.81	12.11	3.35	3.44	12.02	0.86
		358	374.58	-10.44	-558.64	-11.56	-557.51	-24.81	5.36	-2.91	0.72	1.72	4.10
317	10	409	373.40	-41.61	-578.08	-43.16	-576.53	-28.82	0.81	0.73	0.79	0.76	0.04
		110	78.31	-29.80	-105.33	-43.16	-91.97	-28.82	10.58	2.37	3.36	9.59	-2.68
		125	99.61	0.58	-100.95	-8.40	-91.97	-28.82	13.85	2.46	2.50	13.80	0.74
		358	398.00	-6.94	-577.99	-8.40	-576.53	-28.82	6.73	-1.83	-0.08	4.97	3.46
317	11	409	412.70	2.22	-579.17	1.05	-578.00	-26.11	30.38	-20.79	10.74	-1.16	24.88
		110	130.52	7.68	-101.84	1.05	-95.21	-26.11	23.41	-18.14	8.81	-3.54	19.84
		125	126.46	-15.64	-103.78	-24.21	-95.21	-26.11	20.73	-18.59	6.20	-4.07	18.98
		358	400.88	-22.98	-579.23	-24.21	-578.00	-26.11	27.74	-21.29	8.14	-1.69	24.02
318	1	113	510.22	529.45	-237.62	-101.06	392.89	293.43	12.97	-17.57	-2.02	-2.59	-15.27
		224	947.73	-30.45	-1320.47	-101.06	-1249.86	293.43	18.65	-20.58	-18.83	16.90	-8.09
		403	967.31	15.10	-1317.92	-52.97	-1249.86	293.43	27.28	-13.98	-13.98	27.27	0.53
		110	454.82	538.47	-198.55	-52.97	392.89	293.43	12.39	-1.78	2.83	7.78	-6.64
318	2	113	506.09	532.19	-230.41	-93.08	394.87	293.03	12.31	-17.23	-2.48	-2.44	-14.77
		224	950.14	-23.17	-1321.37	-93.08	-1251.46	293.03	18.30	-20.72	-19.06	16.64	-7.87
		403	967.64	15.36	-1319.24	-52.42	-1251.46	293.03	26.85	-14.37	-14.36	26.84	0.59
		110	453.34	539.85	-197.40	-52.42	394.87	293.03	11.88	-1.91	2.22	7.75	-6.32
318	3	113	531.66	546.64	-265.06	-130.01	411.59	302.29	12.31	-18.16	-3.39	-2.46	-15.23
		224	977.19	-56.46	-1372.45	-130.01	-1298.90	302.29	19.28	-22.25	-20.60	17.63	-8.11
		403	1002.18	1.93	-1369.15	-68.32	-1298.90	302.29	28.77	-15.70	-15.68	28.76	0.78
		110	470.33	557.58	-214.31	-68.32	411.59	302.29	12.37	-2.18	1.53	8.66	-6.34
318	4	113	665.75	547.25	-262.52	-127.00	411.74	302.28	66.24	-39.89	20.72	5.62	52.53
		224	1077.11	-53.57	-1371.28	-127.00	-1297.85	302.28	59.61	-40.71	41.76	-22.86	38.37
		403	1089.07	0.58	-1368.22	-69.79	-1297.85	302.28	41.68	-44.76	33.04	-36.12	25.93
		110	594.86	557.42	-215.47	-69.79	411.74	302.28	43.46	-39.09	12.00	-7.64	40.09
318	5	113	730.99	595.94	-244.69	-100.46	451.71	316.93	74.94	-49.33	18.15	7.46	61.91
		224	1161.57	-25.83	-1446.32	-100.46	-1371.69	316.93	64.62	-48.30	43.56	-27.24	43.99
		403	1159.54	-5.85	-1445.23	-79.39	-1371.69	316.93	42.40	-52.73	32.65	-42.99	28.85
		110	653.50	599.63	-227.32	-79.39	451.71	316.93	46.89	-47.93	7.24	-8.29	46.77
318	6	113	669.22	566.85	-144.20	19.80	402.85	299.53	71.78	-46.29	19.16	6.33	58.69
		224	1115.58	87.17	-1312.05	19.80	-1244.69	299.53	63.32	-47.44	43.79	-27.91	42.22
		403	1097.60	51.80	-1313.89	-17.40	-1244.69	299.53	42.01	-53.59	33.44	-45.03	27.30
		110	595.91	558.61	-173.16	-17.40	402.85	299.53	43.86	-45.85	8.82	-10.80	43.77
318	7	113	510.38	527.81	-242.76	-108.19	393.24	292.55	12.78	-17.18	-1.87	-2.52	-14.97
		224	943.94	-37.60	-1320.76	-108.19	-1250.17	292.55	18.35	-20.10	-18.37	16.63	-7.96
		403	964.71	11.35	-1318.02	-56.49	-1250.17	292.55	26.92	-13.61	-13.61	26.91	0.52
		110	454.55	537.36	-200.62	-56.49	393.24	292.55	12.27	-1.61	2.89	7.76	-6.50
318	8	113	409.65	420.71	-203.66	-99.84	316.89	232.47	9.61	-14.30	-2.78	-1.90	-11.95
		224	751.08	-43.16	-1053.31	-99.84	-996.63	232.47	15.03	-17.38	-16.06	13.71	-6.41
		403	770.56	1.62	-1050.76	-52.52	-996.63	232.47	22.47	-12.23	-12.22	22.47	0.49
		110	362.04	429.10	-164.73	-52.52	316.89	232.47	9.77	-1.87	1.05	6.86	-5.04
318	9	113	363.69	377.33	-171.79	-74.89	280.44	209.33	9.01	-12.21	-1.40	-1.80	-10.61
		224	676.42	-24.54	-945.21	-74.89	-894.86	209.33	13.11	-14.48	-13.29	11.93	-5.59
		403	690.79	9.33	-943.33	-39.13	-894.86	209.33	19.23	-9.90	-9.89	19.22	0.50
		110	324.14	383.99	-142.69	-39.13	280.44	209.33	8.59	-1.10	2.01	5.49	-4.52
318	10	113	375.63	386.88	-187.03	-90.97	290.83	214.25	8.64	-12.53	-2.15	-1.74	-10.58
		224	692.79	-39.00	-974.09	-90.97	-922.11	214.25	13.46	-15.41	-14.22	12.33	-5.59
		403	710.16	2.01	-971.78	-47.66	-922.11	214.25	20.05	-10.85	-10.84	20.04	0.63
		110	332.77	394.61	-151.45	-47.66	290.83	214.25	8.57	-1.32	1.28	5.97	-4.36
318	11	113	430.06	397.60	-119.37	-7.74	285.97	212.72	37.45	-23.93	10.37	3.15	30.48
		224	743.79	40.76	-940.50	-7.74	-892.00	212.72	32.50	-23.97	21.49	-12.97	22.36
		403	737.92	29.72	-941.09	-19.37	-892.00	212.72	21.95	-26.45	16.45	-20.95	15.37
		110	395.90	395.13	-128.53	-19.37	285.97	212.72	24.27	-23.78	5.33	-4.84	23.48
319	1	110	141.80	-13.89	-170.56	-56.54	-127.90	69.74	7.92	-9.35	-7.02	5.60	-5.90
		403	586.66	-49.96	-795.21	-56.54	-788.62	69.74	24.90	-4.90	-4.70	24.70	-2.44

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		354	631.03	-16.51	-794.92	-22.81	-788.62	69.74	41.44	-1.64	-1.02	40.82	5.11
		125	157.97	11.96	-162.67	-22.81	-127.90	69.74	21.83	-3.45	-3.35	21.72	1.66
319	2	110	139.75	-16.57	-169.02	-56.17	-129.42	66.85	7.92	-9.48	-7.43	5.87	-5.61
		403	586.74	-50.12	-795.67	-56.17	-789.62	66.85	24.59	-5.41	-5.23	24.42	-2.30
		354	630.34	-19.43	-795.43	-25.23	-789.62	66.85	41.00	-2.24	-1.65	40.40	5.04
		125	157.42	7.42	-162.08	-25.23	-129.42	66.85	21.97	-3.96	-3.84	21.85	1.73
319	3	110	142.39	-26.61	-174.02	-71.95	-128.69	68.03	9.52	-10.05	-8.12	7.60	-5.83
		403	606.89	-65.80	-825.27	-71.95	-819.13	68.03	26.04	-6.64	-6.50	25.89	-2.15
		354	659.11	-14.71	-824.88	-20.46	-819.13	68.03	43.33	-3.19	-2.62	42.76	5.11
		125	166.25	12.35	-161.50	-20.46	-128.69	68.03	24.53	-4.32	-4.25	24.46	1.43
319	4	110	279.81	-27.31	-175.07	-73.44	-128.93	68.47	53.18	-30.09	23.95	-0.86	39.74
		403	648.00	-67.20	-824.32	-73.44	-818.08	68.47	39.60	-36.88	23.72	-21.00	31.01
		354	666.30	-4.11	-823.84	-9.87	-818.08	68.47	28.15	-36.58	18.61	-27.04	22.94
		125	261.00	21.33	-160.13	-9.87	-128.93	68.47	40.15	-28.21	18.83	-6.89	31.67
319	5	110	290.69	-48.50	-173.89	-84.18	-138.22	56.57	59.44	-34.46	22.52	2.46	45.86
		403	681.24	-80.08	-865.63	-84.18	-861.53	56.57	39.79	-44.51	20.76	-25.48	35.24
		354	700.69	-13.46	-865.31	-17.24	-861.53	56.57	24.44	-43.68	14.43	-33.67	24.12
		125	258.72	5.10	-160.55	-17.24	-138.22	56.57	41.66	-31.20	16.20	-5.73	34.74
319	6	110	314.25	12.75	-169.67	-21.90	-135.03	71.55	54.69	-37.23	22.45	-4.99	43.86
		403	661.06	-15.22	-788.41	-21.90	-781.73	71.55	39.16	-43.64	22.66	-27.14	33.07
		354	661.03	-21.06	-788.46	-27.79	-781.73	71.55	25.46	-46.20	16.71	-36.81	24.18
		125	282.65	8.01	-170.82	-27.79	-135.03	71.55	38.75	-37.55	15.86	-14.65	34.97
319	7	110	139.53	-18.00	-169.94	-60.09	-127.85	67.99	8.03	-9.01	-6.73	5.75	-5.80
		403	584.50	-53.80	-795.32	-60.09	-789.04	67.99	24.60	-4.71	-4.52	24.41	-2.37
		354	630.05	-16.65	-795.02	-22.63	-789.04	67.99	41.05	-1.47	-0.87	40.45	5.00
		125	157.13	10.73	-161.21	-22.63	-127.85	67.99	21.90	-3.19	-3.09	21.80	1.58
319	8	110	111.00	-19.29	-133.72	-55.19	-97.82	53.10	7.73	-7.92	-6.36	6.18	-4.68
		403	466.40	-50.29	-631.20	-55.19	-626.31	53.10	20.66	-5.25	-5.12	20.54	-1.80
		354	508.52	-11.36	-630.89	-15.95	-626.31	53.10	34.82	-2.42	-2.01	34.41	3.90
		125	130.60	10.16	-123.93	-15.95	-97.82	53.10	20.09	-3.29	-3.25	20.05	1.02
319	9	110	99.94	-12.03	-122.13	-41.81	-92.35	48.91	5.52	-6.48	-4.95	3.99	-4.00
		403	419.65	-37.30	-571.31	-41.81	-566.79	48.91	17.39	-3.47	-3.35	17.27	-1.58
		354	450.94	-11.77	-571.10	-16.08	-566.79	48.91	28.79	-1.26	-0.81	28.34	3.67
		125	111.78	7.80	-116.23	-16.08	-92.35	48.91	15.14	-2.49	-2.40	15.05	1.25
319	10	110	100.30	-19.14	-124.02	-50.37	-92.78	47.96	6.41	-6.87	-5.56	5.10	-3.96
		403	430.90	-46.09	-588.02	-50.37	-583.74	47.96	18.03	-4.45	-4.36	17.94	-1.42
		354	466.54	-10.77	-587.75	-14.78	-583.74	47.96	29.84	-2.13	-1.70	29.41	3.67
		125	116.39	8.04	-115.60	-14.78	-92.78	47.96	16.64	-2.97	-2.90	16.58	1.13
319	11	110	184.22	2.62	-121.50	-22.57	-96.31	49.92	29.33	-19.80	11.42	-1.89	23.64
		403	438.05	-17.99	-567.54	-22.57	-562.96	49.92	21.74	-21.43	11.84	-11.53	18.15
		354	437.94	-14.31	-567.51	-18.85	-562.96	49.92	15.42	-21.53	8.69	-14.79	14.26
		125	170.51	5.60	-120.76	-18.85	-96.31	49.92	22.42	-19.31	8.27	-5.15	19.76
320	1	132	615.31	76.05	-832.37	75.50	-831.82	22.34	18.81	-17.53	6.78	-5.50	17.10
		161	137.67	78.10	-116.35	75.50	-113.74	22.34	12.29	-7.56	4.23	0.49	9.75
		284	104.31	-41.20	-120.62	-48.08	-113.74	22.34	13.02	-11.52	0.58	0.92	12.27
		362	568.67	-47.44	-832.46	-48.08	-831.82	22.34	19.08	-21.03	3.13	-5.08	19.63
320	2	132	614.65	60.64	-852.68	60.45	-852.49	13.24	18.58	-16.40	5.75	-3.56	16.86
		161	123.77	61.45	-115.94	60.45	-114.94	13.24	12.45	-8.11	3.22	1.12	10.23
		284	93.65	-41.06	-117.32	-43.43	-114.94	13.24	13.75	-10.86	0.08	2.81	12.23
		362	571.90	-43.22	-852.70	-43.43	-852.49	13.24	19.36	-18.63	2.61	-1.88	18.86
320	3	132	607.09	53.02	-839.71	52.39	-839.08	23.72	15.22	-14.96	5.58	-5.31	14.07
		161	117.93	55.68	-118.13	52.39	-114.84	23.72	9.88	-4.50	3.53	1.86	7.14
		284	95.14	-36.36	-122.00	-43.53	-114.84	23.72	11.80	-8.63	0.17	2.99	10.12
		362	569.34	-42.82	-839.79	-43.53	-839.08	23.72	16.37	-18.33	2.22	-4.18	17.05
320	4	132	693.63	55.74	-839.30	55.15	-838.70	23.02	77.28	-31.06	10.47	35.74	52.67
		161	271.56	58.18	-119.48	55.15	-116.44	23.02	60.32	-39.08	8.73	12.52	49.67
		284	213.46	-40.99	-123.47	-48.02	-116.44	23.02	59.14	-23.64	8.90	26.60	40.43
		362	686.30	-47.35	-839.37	-48.02	-838.70	23.02	77.89	-17.41	10.65	49.83	43.44
320	5	132	826.76	5.46	-979.35	5.45	-979.34	-3.27	84.89	-30.22	2.63	52.04	51.98
		161	288.54	5.53	-124.63	5.45	-124.55	-3.27	65.62	-44.71	1.50	19.42	54.44
		284	267.93	-33.12	-124.66	-33.24	-124.55	-3.27	70.22	-20.91	5.64	43.67	41.40
		362	856.85	-33.23	-979.35	-33.24	-979.34	-3.27	93.74	-10.67	6.78	76.29	38.95
320	6	132	792.18	130.11	-924.42	130.11	-924.42	0.53	87.12	-41.13	11.77	34.23	63.13
		161	312.88	130.11	-134.92	130.11	-134.92	0.53	68.32	-48.31	8.98	11.04	58.31
		284	261.55	-72.82	-134.92	-72.83	-134.92	0.53	65.17	-34.24	7.98	22.96	49.14
		362	746.52	-72.83	-924.42	-72.83	-924.42	0.53	85.25	-28.33	10.77	46.15	53.96
320	7	132	605.17	63.35	-827.63	62.88	-827.16	20.46	18.17	-16.68	6.57	-5.09	16.42
		161	128.63	65.22	-115.31	62.88	-112.96	20.46	11.85	-7.09	4.12	0.64	9.31
		284	99.75	-38.98	-118.62	-44.64	-112.96	20.46	12.76	-10.71	0.64	1.41	11.73
		362	563.48	-44.10	-827.69	-44.64	-827.16	20.46	18.58	-19.81	3.09	-4.32	18.83
320	8	132	464.47	42.56	-643.00	42.00	-642.44	19.73	11.49	-10.92	4.24	-3.67	10.49
		161	90.15	44.95	-89.77	42.00	-86.82	19.73	7.39	-3.01	2.67	1.71	5.18

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		284	71.04	-26.71	-93.29	-33.19	-86.82	19.73	9.37	-5.79	0.19	3.38	7.41
		362	432.91	-32.55	-643.07	-33.19	-642.44	19.73	12.74	-12.97	1.77	-1.99	12.72
320	9	132	437.67	49.62	-594.63	49.28	-594.30	14.71	13.30	-12.58	4.75	-4.03	12.18
		161	96.03	50.90	-84.23	49.28	-82.61	14.71	8.78	-5.42	2.99	0.37	6.98
		284	74.52	-29.64	-86.69	-33.72	-82.61	14.71	9.22	-8.44	0.38	0.40	8.83
		362	407.02	-33.34	-594.68	-33.72	-594.30	14.71	13.43	-15.28	2.14	-3.99	14.02
320	10	132	433.14	36.82	-598.71	36.44	-598.33	15.47	11.31	-11.15	4.08	-3.92	10.49
		161	85.14	38.41	-85.18	36.44	-83.21	15.47	7.44	-3.72	2.60	1.13	5.53
		284	69.45	-26.94	-87.47	-31.20	-83.21	15.47	8.52	-6.81	0.15	1.56	7.63
		362	407.40	-30.77	-598.75	-31.20	-598.33	15.47	11.92	-13.78	1.63	-3.50	12.59
320	11	132	524.72	79.63	-645.75	79.62	-645.74	2.59	50.90	-25.33	7.52	18.04	37.75
		161	188.36	79.66	-94.41	79.62	-94.37	2.59	39.89	-28.03	5.62	6.23	33.75
		284	156.69	-47.33	-94.51	-47.47	-94.37	2.59	38.16	-21.03	4.49	12.65	29.31
		362	496.45	-47.46	-645.75	-47.47	-645.74	2.59	49.74	-18.89	6.38	24.46	33.10
321	1	283	518.53	583.46	-155.09	29.86	398.51	319.98	20.55	-13.43	3.71	3.41	16.99
		236	952.02	106.94	-1298.50	29.86	-1221.42	319.98	15.94	-10.10	12.07	-6.23	9.27
		409	945.61	83.13	-1299.91	4.65	-1221.42	319.98	8.55	-14.05	7.38	-12.89	5.00
		161	499.32	577.31	-174.15	4.65	398.51	319.98	10.66	-14.88	-0.98	-3.25	12.72
321	2	283	524.48	586.71	-164.03	15.95	406.72	320.51	20.42	-13.74	3.27	3.42	17.08
		236	952.91	93.45	-1309.48	15.95	-1231.98	320.51	15.55	-10.09	11.40	-5.95	9.43
		409	946.79	72.19	-1310.74	-6.58	-1231.98	320.51	8.19	-13.52	6.81	-12.15	5.29
		161	506.41	581.43	-181.28	-6.58	406.72	320.51	10.90	-15.00	-1.32	-2.78	12.93
321	3	283	522.37	588.02	-202.97	-24.10	409.14	330.90	14.37	-9.63	2.04	2.70	12.00
		236	953.00	58.00	-1357.81	-24.10	-1275.72	330.90	10.20	-5.71	7.48	-2.99	5.99
		409	958.91	70.72	-1357.04	-10.60	-1275.72	330.90	4.86	-8.55	3.91	-7.59	3.44
		161	505.99	591.11	-192.57	-10.60	409.14	330.90	7.73	-11.17	-1.54	-1.90	9.45
321	4	283	679.30	589.55	-200.98	-20.94	409.51	331.53	63.11	-41.11	16.74	5.26	51.79
		236	1058.53	61.14	-1359.90	-20.94	-1277.82	331.53	55.17	-36.59	21.09	-2.51	44.34
		409	1051.02	70.41	-1359.34	-11.11	-1277.82	331.53	49.07	-35.57	17.20	-3.70	41.01
		161	664.62	591.81	-193.41	-11.11	409.51	331.53	57.12	-40.20	12.85	4.07	48.46
321	5	283	742.03	656.06	-267.21	-88.53	477.38	364.74	60.48	-42.31	13.33	4.84	51.22
		236	1128.60	4.17	-1523.55	-88.53	-1430.84	364.74	54.08	-38.07	13.18	2.83	45.78
		409	1122.57	31.96	-1521.78	-58.99	-1430.84	364.74	54.08	-35.97	10.96	7.14	44.99
		161	740.68	661.93	-243.53	-58.99	477.38	364.74	60.56	-40.29	11.72	9.15	50.42
321	6	283	746.86	670.88	-67.04	163.95	439.89	342.19	77.98	-52.95	18.12	6.91	65.22
		236	1178.74	240.44	-1366.87	163.95	-1290.38	342.19	66.01	-48.11	26.63	-8.74	54.25
		409	1119.63	108.99	-1374.06	25.31	-1290.38	342.19	53.78	-47.45	20.46	-14.13	47.57
		161	720.53	632.68	-167.48	25.31	439.89	342.19	65.50	-52.04	11.95	1.51	58.54
321	7	283	516.19	575.92	-169.94	8.71	397.27	318.32	19.58	-12.74	3.56	3.28	16.16
		236	942.21	86.15	-1299.86	8.71	-1222.43	318.32	15.21	-9.44	11.55	-5.79	8.76
		409	940.33	75.63	-1300.49	-2.43	-1222.43	318.32	8.19	-13.18	7.07	-12.06	4.74
		161	496.50	573.28	-178.44	-2.43	397.27	318.32	10.23	-14.15	-0.91	-3.00	12.14
321	8	283	400.93	453.26	-155.79	-17.51	314.98	255.14	10.58	-7.13	1.39	2.05	8.85
		236	732.23	45.89	-1044.29	-17.51	-980.89	255.14	7.46	-4.09	5.53	-2.17	4.30
		409	736.57	55.81	-1043.68	-6.98	-980.89	255.14	3.49	-6.17	2.84	-5.52	2.41
		161	388.77	455.69	-147.68	-6.98	314.98	255.14	5.66	-8.25	-1.29	-1.30	6.95
321	9	283	369.42	413.51	-115.40	14.49	283.62	227.66	14.48	-9.47	2.62	2.39	11.97
		236	676.71	69.49	-927.92	14.49	-872.92	227.66	11.17	-7.04	8.37	-4.24	6.57
		409	673.57	56.34	-928.70	0.57	-872.92	227.66	5.98	-9.78	5.09	-8.89	3.64
		161	355.74	410.16	-125.98	0.57	283.62	227.66	7.62	-10.53	-0.65	-2.26	9.04
321	10	283	371.62	416.10	-142.06	-15.48	289.53	233.73	11.05	-7.36	1.70	1.99	9.20
		236	677.29	42.30	-960.87	-15.48	-903.09	233.73	7.99	-4.61	5.82	-2.44	4.75
		409	680.97	49.45	-960.44	-7.91	-903.09	233.73	3.94	-6.73	3.16	-5.95	2.77
		161	359.46	417.84	-136.22	-7.91	289.53	233.73	5.99	-8.47	-0.96	-1.52	7.22
321	11	283	493.47	461.31	-65.72	88.99	306.61	240.00	46.38	-31.42	10.63	4.33	38.77
		236	800.80	143.59	-965.84	88.99	-911.23	240.00	38.85	-28.03	16.46	-5.63	31.56
		409	768.71	70.71	-969.89	12.05	-911.23	240.00	30.80	-28.02	12.36	-9.59	27.29
		161	477.60	440.91	-122.26	12.05	306.61	240.00	38.09	-31.17	6.53	0.38	34.49
322	1	161	215.83	75.16	-192.19	0.43	-117.45	119.98	14.75	-11.78	2.92	0.06	13.19
		409	550.98	18.55	-793.96	0.43	-775.84	119.98	9.75	-4.25	5.44	0.06	6.46
		358	532.97	-15.88	-794.78	-34.82	-775.84	119.98	7.99	-4.74	2.18	1.08	6.34
		284	209.78	50.76	-203.03	-34.82	-117.45	119.98	13.46	-12.72	-0.34	1.08	13.07
322	2	161	207.47	61.16	-190.94	-11.10	-118.67	114.00	15.31	-11.34	2.79	1.18	13.30
		409	547.50	5.40	-798.49	-11.10	-781.98	114.00	9.67	-4.53	4.69	0.45	6.78
		358	532.20	-17.07	-798.97	-34.06	-781.98	114.00	8.15	-4.64	1.58	1.92	6.39
		284	201.59	45.23	-197.96	-34.06	-118.67	114.00	14.17	-11.83	-0.31	2.65	12.91
322	3	161	204.28	69.58	-201.91	-14.28	-118.05	125.44	10.64	-9.19	0.77	0.68	9.91
		409	555.85	5.03	-829.17	-14.28	-809.86	125.44	7.96	-0.67	3.30	3.99	4.30
		358	560.31	-10.82	-829.55	-30.51	-809.86	125.44	10.17	-2.42	0.83	6.92	5.51
		284	205.34	58.57	-207.14	-30.51	-118.05	125.44	12.39	-10.48	-1.70	3.61	11.12
322	4	161	370.01	70.38	-204.36	-14.76	-119.23	127.05	64.40	-30.20	16.95	17.25	47.30
		409	642.79	5.05	-829.63	-14.76	-809.82	127.05	52.07	-32.38	15.61	4.09	41.83

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		358	610.41	-4.48	-829.87	-24.52	-809.82	127.05	48.67	-24.64	13.61	10.42	36.62
		284	342.88	63.71	-207.46	-24.52	-119.23	127.05	61.58	-23.04	14.96	23.58	42.09
322	5	161	364.25	29.83	-221.18	-63.51	-127.84	121.31	70.00	-27.72	15.15	27.13	48.49
		409	662.32	-46.29	-918.17	-63.51	-900.95	121.31	55.67	-34.96	9.57	11.14	45.31
		358	644.51	-2.79	-917.34	-19.17	-900.95	121.31	55.77	-23.69	9.35	22.73	39.17
		284	336.53	59.42	-206.43	-19.17	-127.84	121.31	70.81	-17.16	14.94	38.71	42.35
322	6	161	412.29	80.46	-201.44	19.07	-140.05	116.35	75.52	-39.85	18.88	16.79	57.67
		409	687.66	35.00	-830.51	19.07	-814.57	116.35	56.86	-44.21	16.59	-3.94	49.48
		358	637.36	-30.01	-831.83	-47.26	-814.57	116.35	47.53	-36.25	12.76	-1.48	41.28
		284	365.87	31.60	-218.91	-47.26	-140.05	116.35	66.66	-32.36	15.05	19.24	49.47
322	7	161	209.91	68.88	-191.82	-6.53	-116.41	118.21	14.15	-11.15	2.80	0.21	12.58
		409	546.87	11.20	-794.78	-6.53	-777.06	118.21	9.47	-3.65	5.26	0.56	6.12
		358	531.30	-14.40	-795.38	-32.72	-777.06	118.21	8.20	-4.09	2.18	1.93	6.15
		284	205.32	50.83	-199.96	-32.72	-116.41	118.21	13.29	-12.00	-0.29	1.58	12.61
322	8	161	157.24	56.66	-155.63	-9.63	-89.35	98.37	7.90	-6.68	0.46	0.75	7.29
		409	428.96	5.82	-636.09	-9.63	-620.64	98.37	6.15	-0.04	2.44	3.67	3.03
		358	433.86	-7.90	-636.44	-23.70	-620.64	98.37	8.87	-1.38	0.67	6.81	4.11
		284	158.16	47.19	-160.23	-23.70	-89.35	98.37	10.05	-7.46	-1.30	3.89	8.36
322	9	161	152.18	49.85	-137.58	-2.58	-85.15	84.13	10.47	-8.40	2.02	0.05	9.38
		409	393.38	9.92	-569.00	-2.58	-556.50	84.13	6.92	-3.09	3.77	0.06	4.65
		358	382.29	-11.36	-569.48	-24.34	-556.50	84.13	5.59	-3.60	1.45	0.54	4.57
		284	148.46	34.70	-144.20	-24.34	-85.15	84.13	9.42	-9.20	-0.30	0.53	9.30
322	10	161	145.79	46.72	-142.95	-10.75	-85.49	87.16	8.17	-6.95	0.83	0.40	7.56
		409	395.06	2.40	-588.55	-10.75	-575.40	87.16	5.87	-1.04	2.59	2.25	3.45
		358	394.26	-8.55	-588.80	-21.95	-575.40	87.16	6.63	-2.14	0.70	3.79	4.11
		284	145.94	39.05	-146.49	-21.95	-85.49	87.16	8.79	-7.92	-1.06	1.93	8.22
322	11	161	260.41	52.63	-142.55	7.78	-97.71	82.11	44.22	-23.99	10.89	9.34	34.09
		409	466.66	19.07	-589.31	7.78	-578.02	82.11	33.09	-25.28	9.97	-2.16	28.55
		358	438.27	-19.19	-590.08	-31.26	-578.02	82.11	27.56	-21.11	7.33	-0.88	23.98
		284	234.19	24.10	-153.06	-31.26	-97.71	82.11	38.98	-20.11	8.25	10.62	29.53
323	1	285	556.60	337.69	-560.67	334.00	-556.97	57.47	34.28	-17.76	1.43	15.09	25.11
		286	366.13	340.19	-199.73	334.00	-193.54	57.47	19.24	-32.60	-4.59	-8.77	25.83
		288	198.20	-138.31	-253.35	-198.12	-193.54	57.47	14.05	-19.09	-3.38	-1.66	16.55
		181	380.57	-189.14	-565.95	-198.12	-556.97	57.47	31.02	-6.19	2.64	22.19	15.83
323	2	285	547.81	308.46	-579.67	305.17	-576.38	53.98	31.04	-16.38	1.73	12.94	23.04
		286	343.60	310.97	-197.49	305.17	-191.70	53.98	17.15	-29.77	-3.95	-8.67	23.34
		288	187.66	-136.11	-244.12	-188.53	-191.70	53.98	12.23	-17.67	-3.04	-2.40	14.95
		181	386.63	-181.16	-583.75	-188.53	-576.38	53.98	27.75	-5.91	2.64	19.21	14.65
323	3	285	521.07	319.22	-544.94	315.00	-540.72	60.24	28.38	-16.29	2.16	9.93	21.99
		286	351.72	322.05	-199.47	315.00	-192.42	60.24	14.86	-28.85	-3.87	-10.12	21.63
		288	193.86	-132.61	-253.10	-193.29	-192.42	60.24	9.49	-18.33	-3.48	-5.36	13.88
		181	352.03	-183.14	-550.87	-193.29	-540.72	60.24	24.10	-6.86	2.55	14.69	14.24
323	4	285	754.88	323.08	-543.58	318.69	-539.18	61.55	105.62	-28.70	-10.20	87.12	46.28
		286	435.54	326.00	-199.75	318.69	-192.44	61.55	70.89	-58.17	-11.54	24.26	62.00
		288	287.09	-132.39	-255.52	-195.47	-192.44	61.55	82.46	-15.39	1.34	65.73	36.85
		181	645.26	-184.78	-549.87	-195.47	-539.18	61.55	132.04	-0.77	2.68	128.59	21.13
323	5	285	732.51	259.28	-644.98	255.44	-641.14	58.80	82.23	-19.58	-7.27	69.92	33.18
		286	364.35	262.92	-207.30	255.44	-199.83	58.80	57.97	-36.60	-5.43	26.80	44.46
		288	262.32	-131.79	-250.65	-182.60	-199.83	58.80	71.62	-6.57	4.32	60.73	27.07
		181	649.80	-175.18	-648.56	-182.60	-641.14	58.80	106.26	0.07	2.47	103.85	15.80
323	6	285	1087.01	325.94	-932.83	325.84	-932.73	-11.47	128.85	-36.47	-12.60	104.98	58.11
		286	551.15	326.08	-213.07	325.84	-212.83	-11.47	85.44	-74.57	-15.57	26.44	77.20
		288	375.02	-183.56	-217.32	-188.05	-212.83	-11.47	96.85	-21.78	-0.12	75.18	45.84
		181	981.66	-187.87	-932.91	-188.05	-932.73	-11.47	158.32	-1.75	2.85	153.71	26.75
323	7	285	533.61	321.22	-542.94	317.18	-538.90	58.94	32.61	-16.98	1.51	14.12	23.98
		286	354.49	323.93	-197.08	317.18	-190.33	58.94	18.08	-31.36	-4.40	-8.88	24.61
		288	194.59	-132.35	-250.24	-192.26	-190.33	58.94	13.01	-18.35	-3.26	-2.07	15.67
		181	366.68	-182.51	-548.65	-192.26	-538.90	58.94	29.39	-5.80	2.65	20.93	15.03
323	8	285	397.79	251.50	-409.70	247.83	-406.04	49.07	21.86	-12.22	1.73	7.91	16.76
		286	273.15	253.84	-152.86	247.83	-146.85	49.07	11.46	-21.57	-2.83	-7.27	16.37
		288	149.43	-99.48	-197.69	-150.31	-146.85	49.07	7.82	-13.17	-2.49	-2.86	10.49
		181	266.98	-141.22	-415.13	-150.31	-406.04	49.07	19.23	-4.84	2.06	12.33	10.89
323	9	285	395.09	231.69	-405.68	229.32	-403.31	38.78	23.90	-12.62	1.03	10.25	17.67
		286	255.55	233.37	-142.53	229.32	-138.48	38.78	13.30	-23.24	-3.30	-6.64	18.19
		288	139.18	-99.57	-177.13	-138.22	-138.48	38.78	9.33	-13.92	-2.49	-2.09	11.63
		181	273.13	-132.66	-408.87	-138.22	-403.31	38.78	21.17	-4.54	1.84	14.79	11.10
323	10	285	375.30	221.41	-396.92	218.77	-394.28	40.32	20.63	-11.80	1.44	7.38	15.94
		286	247.59	223.27	-142.36	218.77	-137.86	40.32	10.87	-21.16	-2.90	-7.39	15.86
		288	136.97	-96.36	-177.03	-135.54	-137.86	40.32	6.82	-13.52	-2.55	-4.15	10.14
		181	257.18	-129.40	-400.42	-135.54	-394.28	40.32	17.34	-4.93	1.79	10.63	10.22
323	11	285	688.73	224.79	-612.07	224.79	-612.07	0.48	75.87	-22.45	-6.76	60.19	36.00
		286	343.95	224.79	-149.20	224.79	-149.20	0.48	49.80	-46.28	-9.40	12.92	46.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		288	221.63	-132.61	-149.21	-132.63	-149.20	0.48	54.66	-14.74	-0.68	40.60	27.90
		181	606.16	-132.62	-612.07	-132.63	-612.07	0.48	91.17	-1.35	1.96	87.86	17.17
324	1	287	638.21	765.96	30.53	475.06	321.43	359.60	34.89	-33.80	-0.75	1.84	34.32
		248	1233.71	545.79	-1353.07	475.06	-1282.33	359.60	32.53	-29.02	14.91	-11.40	27.83
		132	1124.64	297.31	-1364.20	215.45	-1282.33	359.60	22.66	-29.36	10.90	-17.60	21.76
		286	574.04	631.92	-95.05	215.45	321.43	359.60	23.70	-32.82	-4.76	-4.36	28.26
324	2	287	616.96	743.76	9.14	420.44	332.46	364.66	30.39	-30.73	-1.58	1.24	30.53
		248	1217.79	493.94	-1389.04	420.44	-1315.55	364.66	28.86	-26.21	12.07	-9.41	25.35
		132	1126.07	277.49	-1399.02	194.01	-1315.55	364.66	20.68	-26.42	8.85	-14.58	20.43
		286	569.57	634.41	-107.94	194.01	332.46	364.66	21.23	-29.97	-4.80	-3.94	25.60
324	3	287	611.36	739.71	9.82	432.27	317.27	360.39	29.94	-30.31	-1.79	1.42	30.08
		248	1210.28	504.53	-1365.03	432.27	-1292.77	360.39	28.23	-25.71	13.34	-10.82	24.12
		132	1118.68	289.78	-1374.84	207.71	-1292.77	360.39	18.98	-26.68	9.56	-17.26	18.48
		286	556.71	627.02	-102.04	207.71	317.27	360.39	19.15	-29.73	-5.57	-5.01	24.44
324	4	287	696.78	742.32	11.43	436.04	317.72	360.63	53.69	-42.87	8.09	2.72	48.21
		248	1190.35	508.21	-1365.78	436.04	-1293.60	360.63	56.29	-35.87	5.63	14.79	45.85
		132	1089.18	291.10	-1375.66	209.04	-1293.60	360.63	69.73	-34.45	6.17	29.12	50.81
		286	699.28	628.07	-101.32	209.04	317.72	360.63	66.17	-40.49	8.63	17.05	53.17
324	5	287	615.66	752.17	-78.74	289.53	383.90	412.77	21.10	-19.95	2.67	-1.53	20.42
		248	1280.98	379.12	-1612.21	289.53	-1522.62	412.77	43.89	-28.75	-15.92	31.05	27.70
		132	1259.23	251.68	-1618.64	155.65	-1522.62	412.77	73.97	-30.37	-9.59	53.20	41.67
		286	690.67	698.03	-158.47	155.65	383.90	412.77	49.67	-20.06	8.99	20.62	34.38
324	6	287	856.00	929.95	97.72	562.24	465.43	413.29	70.89	-57.46	9.42	4.01	64.12
		248	1414.49	643.11	-1550.00	562.24	-1469.13	413.29	70.37	-48.69	9.44	12.24	59.52
		132	1247.61	267.44	-1567.49	169.08	-1469.13	413.29	81.18	-45.71	8.85	26.62	62.82
		286	848.91	756.30	-121.79	169.08	465.43	413.29	81.20	-53.98	8.83	18.39	67.42
324	7	287	619.13	737.68	16.81	440.24	314.25	354.89	33.20	-32.49	-0.95	1.67	32.82
		248	1206.47	510.85	-1343.40	440.24	-1272.78	354.89	31.17	-27.83	14.31	-10.96	26.66
		132	1109.34	287.53	-1353.50	206.81	-1272.78	354.89	21.74	-28.20	10.49	-16.95	20.86
		286	562.02	619.46	-98.40	206.81	314.25	354.89	22.48	-31.57	-4.77	-4.32	27.02
324	8	287	470.77	572.40	9.20	339.37	242.23	277.38	22.87	-23.02	-1.31	1.17	22.91
		248	932.02	394.85	-1047.59	339.37	-992.11	277.38	21.47	-19.51	10.26	-8.30	18.27
		132	860.00	227.37	-1055.21	164.27	-992.11	277.38	14.37	-20.20	7.34	-13.17	13.91
		286	427.30	483.36	-76.85	164.27	242.23	277.38	14.59	-22.52	-4.23	-3.70	18.56
324	9	287	449.51	537.04	17.76	325.38	229.41	255.17	24.43	-23.91	-0.69	1.21	24.15
		248	871.87	375.87	-964.12	325.38	-913.63	255.17	22.90	-20.51	10.41	-8.01	19.66
		132	797.94	205.81	-971.79	147.65	-913.63	255.17	15.98	-20.81	7.61	-12.44	15.42
		286	406.71	446.95	-69.89	147.65	229.41	255.17	16.57	-23.27	-3.49	-3.21	19.92
324	10	287	434.77	522.66	6.05	301.61	227.10	255.60	21.68	-21.97	-1.27	0.98	21.80
		248	858.91	352.96	-970.77	301.61	-919.42	255.60	20.51	-18.67	9.54	-7.69	17.59
		132	794.63	201.63	-977.70	143.35	-919.42	255.60	13.93	-19.31	6.87	-12.25	13.60
		286	397.11	444.24	-73.78	143.35	227.10	255.60	14.04	-21.56	-3.93	-3.58	17.80
324	11	287	570.70	628.42	54.81	373.82	309.41	285.00	44.41	-37.04	4.95	2.42	40.71
		248	971.53	429.93	-1073.52	373.82	-1017.41	285.00	43.52	-31.03	7.37	5.12	37.26
		132	863.87	189.21	-1084.72	121.89	-1017.41	285.00	47.64	-29.03	6.48	12.13	38.23
		286	559.25	515.68	-84.37	121.89	309.41	285.00	48.51	-35.02	4.06	9.42	41.68
325	1	286	437.99	295.67	-280.06	211.67	-196.05	203.24	25.79	-27.77	2.97	-4.96	26.48
		132	742.29	249.99	-866.16	211.67	-827.83	203.24	23.53	-24.96	4.49	-5.92	23.68
		362	633.68	-63.67	-881.89	-117.73	-827.83	203.24	22.71	-24.44	3.20	-4.93	23.22
		288	375.40	50.09	-363.87	-117.73	-196.05	203.24	25.04	-27.32	1.68	-3.96	26.03
325	2	286	419.34	277.47	-280.95	190.44	-193.92	202.54	22.01	-26.44	1.50	-5.93	23.94
		132	735.65	228.52	-886.82	190.44	-848.74	202.54	22.10	-22.29	3.60	-3.79	21.88
		362	637.88	-58.96	-900.68	-110.91	-848.74	202.54	23.22	-22.31	2.80	-1.88	22.64
		288	368.48	54.34	-359.17	-110.91	-193.92	202.54	23.14	-26.48	0.70	-4.03	24.70
325	3	286	424.77	291.37	-281.22	204.52	-194.37	205.40	20.13	-26.47	1.26	-7.60	22.87
		132	734.31	243.66	-873.40	204.52	-834.27	205.40	20.01	-21.33	3.88	-5.20	20.17
		362	632.07	-60.83	-888.81	-115.38	-834.27	205.40	20.37	-22.22	2.61	-4.45	21.00
		288	369.59	54.28	-364.03	-115.38	-194.37	205.40	20.52	-27.39	-0.02	-6.85	23.71
325	4	286	496.41	293.40	-281.72	205.92	-194.23	206.54	74.14	-24.01	13.27	36.85	47.64
		132	733.30	245.46	-873.06	205.92	-833.53	206.54	70.52	-34.64	4.21	31.68	50.75
		362	653.60	-57.54	-888.50	-112.52	-833.53	206.54	84.52	-23.34	8.32	52.86	49.11
		288	453.36	57.17	-363.92	-112.52	-194.23	206.54	88.00	-12.58	17.38	58.04	46.00
325	5	286	424.50	264.22	-311.73	153.45	-200.96	227.00	49.36	-16.71	2.19	30.46	29.86
		132	845.70	197.42	-1018.40	153.45	-974.43	227.00	69.78	-22.09	-2.02	49.72	37.96
		362	821.47	-44.00	-1029.81	-99.38	-974.43	227.00	100.12	-16.80	5.43	77.89	45.89
		288	440.12	82.44	-382.78	-99.38	-200.96	227.00	79.16	-10.89	9.64	58.63	37.79
325	6	286	516.80	232.04	-290.35	160.63	-218.93	179.46	92.45	-32.10	16.93	43.42	60.85
		132	788.11	189.51	-954.57	160.63	-925.69	179.46	81.55	-48.55	4.04	28.96	63.84
		362	707.32	-86.20	-964.06	-124.57	-925.69	179.46	91.45	-33.20	8.09	50.16	58.66
		288	466.65	13.81	-357.31	-124.57	-218.93	179.46	102.59	-16.99	20.98	64.62	55.67
325	7	286	428.29	288.20	-277.22	203.41	-192.43	201.87	24.22	-26.98	2.61	-5.37	25.29
		132	731.91	241.69	-861.14	203.41	-822.86	201.87	22.65	-23.72	4.36	-5.43	22.66

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		362	627.79	-60.05	-876.28	-113.47	-822.86	201.87	22.34	-23.38	3.19	-4.23	22.56
		288	369.70	52.75	-358.64	-113.47	-192.43	201.87	23.97	-26.71	1.43	-4.18	25.18
325	8	286	328.73	229.94	-216.27	162.05	-148.38	160.27	15.52	-19.83	1.06	-5.37	17.38
		132	564.47	192.93	-669.53	162.05	-638.64	160.27	15.27	-15.84	3.00	-3.58	15.20
		362	482.07	-46.59	-682.03	-89.97	-638.64	160.27	15.91	-16.03	2.07	-2.19	15.83
		288	284.54	43.73	-282.08	-89.97	-148.38	160.27	16.19	-20.05	0.13	-3.98	18.00
325	9	286	307.63	203.87	-199.27	144.80	-140.20	142.57	17.82	-19.95	1.89	-4.02	18.65
		132	526.06	171.44	-618.12	144.80	-591.48	142.57	16.58	-17.75	3.11	-4.28	16.76
		362	452.39	-45.09	-628.68	-82.29	-591.48	142.57	16.02	-17.74	2.21	-3.93	16.60
		288	265.51	34.23	-256.72	-82.29	-140.20	142.57	17.29	-19.97	0.99	-3.67	18.49
325	10	286	300.32	201.49	-199.92	140.83	-139.26	143.76	14.67	-19.23	0.94	-5.49	16.64
		132	521.66	167.92	-622.14	140.83	-595.05	143.76	14.63	-15.73	2.77	-3.88	14.81
		362	451.52	-43.52	-632.53	-80.99	-595.05	143.76	14.72	-16.51	1.88	-3.67	15.37
		288	262.32	36.56	-256.81	-80.99	-139.26	143.76	14.79	-20.02	0.04	-5.27	17.20
325	11	286	348.37	168.51	-204.97	116.45	-152.91	129.36	54.56	-22.06	9.64	22.86	37.74
		132	549.26	137.80	-667.20	116.45	-645.85	129.36	48.53	-30.57	2.86	15.10	39.07
		362	470.78	-57.65	-674.29	-86.09	-645.85	129.36	53.69	-22.08	4.92	26.68	36.29
		288	311.65	14.10	-253.10	-86.09	-152.91	129.36	59.82	-13.68	11.71	34.43	34.95
326	1	318	1312.31	263.89	-1776.26	213.17	-1725.54	-317.66	31.49	-31.86	4.31	-4.69	31.35
		323	553.12	389.63	-358.68	213.17	-182.22	-317.66	42.80	-10.76	8.49	23.55	25.70
		373	562.35	152.67	-483.53	-148.64	-182.22	-317.66	54.43	-22.00	5.99	26.44	36.82
326	2	197	1233.30	-87.06	-1787.13	-148.64	-1725.54	-317.66	42.52	-42.51	1.81	-1.80	42.48
		318	1265.57	244.54	-1718.01	197.13	-1670.60	-301.34	31.19	-31.34	4.30	-4.45	30.96
		323	529.49	364.00	-347.03	197.13	-180.16	-301.34	41.24	-11.47	7.80	21.97	25.39
		373	538.29	139.62	-464.12	-144.34	-180.16	-301.34	52.06	-22.13	5.31	24.62	35.82
326	3	197	1190.99	-87.00	-1727.94	-144.34	-1670.60	-301.34	41.43	-41.42	1.82	-1.81	41.39
		318	1262.39	254.59	-1705.63	205.72	-1656.77	-305.60	31.46	-31.50	4.39	-4.43	31.17
		323	536.19	374.60	-347.30	205.72	-178.42	-305.60	40.47	-12.86	7.11	20.50	25.81
		373	540.79	144.80	-467.37	-144.14	-178.42	-305.60	50.43	-23.15	4.67	22.62	35.68
326	4	197	1183.04	-84.74	-1716.18	-144.14	-1656.77	-305.60	40.91	-41.27	1.95	-2.31	41.04
		318	1292.10	260.38	-1706.80	210.67	-1657.09	-308.74	31.90	-3.25	9.66	18.98	16.94
		323	530.80	379.97	-352.36	210.67	-183.05	-308.74	64.40	18.56	22.27	60.70	12.49
		373	553.26	144.30	-474.24	-146.89	-183.05	-308.74	80.30	6.98	20.73	66.55	28.62
326	5	197	1226.68	-86.21	-1717.77	-146.89	-1657.09	-308.74	50.59	-17.63	8.12	24.83	33.07
		318	1262.48	224.33	-1686.24	179.47	-1641.38	-289.30	33.55	-6.79	9.92	16.84	19.87
		323	505.46	338.11	-348.10	179.47	-189.45	-289.30	56.99	12.36	18.11	51.23	14.95
		373	521.40	122.64	-457.63	-145.54	-189.45	-289.30	69.72	1.07	16.06	54.73	28.36
326	6	197	1198.04	-91.53	-1695.38	-145.54	-1641.38	-289.30	47.96	-19.75	7.87	20.34	33.27
		318	1502.61	216.23	-2048.33	169.04	-2001.15	-323.47	35.05	-6.18	10.27	18.60	20.19
		323	563.65	354.22	-395.98	169.04	-210.80	-323.47	75.10	22.47	26.85	70.73	14.53
		373	613.55	136.02	-512.48	-165.66	-210.80	-323.47	95.50	7.92	24.93	78.49	34.64
326	7	197	1454.92	-110.33	-2056.48	-165.66	-2001.15	-323.47	58.65	-23.94	8.35	26.36	40.30
		318	1265.12	254.57	-1709.45	205.85	-1660.73	-305.47	31.09	-30.48	4.42	-3.80	30.51
		323	534.93	374.67	-346.91	205.85	-178.09	-305.47	41.58	-10.79	8.04	22.75	25.13
		373	542.08	144.85	-467.04	-144.10	-178.09	-305.47	52.44	-21.45	5.64	25.35	35.61
326	8	197	1187.78	-84.89	-1719.95	-144.10	-1660.73	-305.47	41.43	-40.61	2.02	-1.20	40.99
		318	978.88	201.41	-1318.35	162.86	-1279.80	-238.95	24.28	-23.90	3.30	-2.93	23.89
		323	417.52	294.86	-269.72	162.86	-137.72	-238.95	31.17	-9.69	5.48	16.00	19.74
		373	419.99	114.54	-364.07	-111.81	-137.72	-238.95	39.19	-17.20	3.68	18.32	27.23
326	9	197	917.38	-64.81	-1326.80	-111.81	-1279.80	-238.95	31.84	-30.95	1.50	-0.61	31.37
		318	917.72	180.99	-1244.66	146.23	-1209.90	-219.90	22.37	-22.72	3.12	-3.47	22.30
		323	385.67	268.01	-250.86	146.23	-129.08	-219.90	30.22	-7.88	5.92	16.42	18.32
		373	392.60	103.56	-336.94	-104.30	-129.08	-219.90	38.18	-15.98	4.11	18.09	26.16
326	10	197	862.68	-62.17	-1252.03	-104.30	-1209.90	-219.90	29.94	-30.43	1.31	-1.80	30.15
		318	889.98	175.82	-1205.42	142.09	-1171.69	-213.21	22.35	-22.52	3.16	-3.33	22.20
		323	376.25	259.66	-244.54	142.09	-126.97	-213.21	28.93	-9.05	5.15	14.73	18.38
		373	380.62	99.19	-327.96	-101.80	-126.97	-213.21	35.96	-16.62	3.38	15.97	25.52
326	11	197	834.76	-60.88	-1212.61	-101.80	-1171.69	-213.21	29.05	-29.74	1.39	-2.09	29.35
		318	1022.90	154.52	-1395.82	121.71	-1363.01	-223.13	24.12	-8.22	6.43	9.47	16.10
		323	389.95	248.31	-271.56	121.71	-144.95	-223.13	47.33	11.42	16.12	42.63	12.11
		373	419.54	94.32	-353.03	-113.76	-144.95	-223.13	60.56	1.08	14.64	47.01	24.95
327	1	197	985.40	-75.10	-1401.67	-113.76	-1363.01	-223.13	38.67	-19.88	4.95	13.84	28.94
		372	808.20	1265.02	470.84	1134.97	600.89	293.89	27.02	-19.20	8.73	-0.92	22.60
		260	1285.10	1175.17	-1013.85	1134.97	-973.65	293.89	22.93	-18.34	0.26	4.33	20.54
		285	830.49	276.81	-1042.72	207.73	-973.65	293.89	28.86	-18.42	-0.03	10.48	23.05
327	2	323	581.68	757.88	50.74	207.73	600.89	293.89	32.00	-18.33	8.44	5.23	25.11
		372	779.65	1207.16	446.27	1064.66	588.77	296.85	28.18	-20.07	8.66	-0.55	23.68
		260	1269.10	1106.52	-1040.07	1064.66	-998.20	296.85	22.95	-18.21	2.34	2.40	20.58
		285	848.98	266.87	-1067.86	197.22	-998.20	296.85	26.58	-17.96	1.36	7.26	22.07
327	3	323	579.32	748.59	37.40	197.22	588.77	296.85	31.22	-19.22	7.69	4.31	25.17
		372	790.67	1220.96	451.55	1096.79	575.73	283.06	30.23	-21.96	8.61	-0.34	25.71
		260	1262.91	1135.36	-980.43	1096.79	-941.86	283.06	23.87	-19.57	4.37	-0.08	21.61

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		285	822.56	272.40	-1007.84	206.42	-941.86	283.06	25.02	-18.82	2.73	3.47	21.92
		323	562.94	729.03	53.11	206.42	575.73	283.06	31.18	-21.00	6.98	3.21	26.02
327	4	372	786.59	1234.31	451.30	1111.59	574.03	284.67	34.39	-35.29	9.88	-10.78	-33.27
		260	1504.94	1150.32	-980.54	1111.59	-941.80	284.67	65.35	-53.45	-51.94	63.83	-13.34
		285	1074.01	277.94	-1008.24	211.50	-941.80	284.67	107.17	-39.68	-37.02	104.52	19.56
		323	517.59	730.24	55.28	211.50	574.03	284.67	29.94	24.77	24.80	29.91	-0.37
327	5	372	722.39	1173.56	416.77	995.59	594.74	320.96	23.07	-19.36	11.12	-7.41	-19.09
		260	1460.11	1043.61	-1149.77	995.59	-1101.76	320.96	49.05	-34.69	-33.79	48.14	-8.67
		285	1096.66	270.67	-1176.82	195.61	-1101.76	320.96	80.60	-27.29	-24.93	78.24	15.77
		323	561.21	773.11	17.23	195.61	594.74	320.96	26.86	15.80	19.98	22.69	5.36
327	6	372	924.39	1352.83	441.73	1014.31	780.25	440.26	41.51	-43.72	10.65	-12.86	-40.96
		260	1927.02	1086.98	-1652.94	1014.31	-1580.27	440.26	79.41	-66.10	-64.54	77.85	-14.97
		285	1571.49	270.68	-1684.99	165.96	-1580.27	440.26	130.57	-49.12	-45.56	127.02	25.04
		323	744.02	1009.91	-63.71	165.96	780.25	440.26	36.44	29.50	29.63	36.30	-0.96
327	7	372	781.64	1220.15	451.89	1095.74	576.30	283.02	26.76	-19.13	8.56	-0.92	22.45
		260	1242.88	1134.38	-977.63	1095.74	-938.99	283.02	22.32	-17.88	0.87	3.57	20.06
		285	804.26	270.09	-1005.24	203.84	-938.99	283.02	27.51	-17.84	0.35	9.31	22.23
		323	560.35	728.87	51.27	203.84	576.30	283.02	31.10	-18.24	8.04	4.82	24.62
327	8	372	616.26	953.98	351.80	862.06	443.72	216.57	23.29	-16.92	6.59	-0.22	19.81
		260	976.10	891.29	-742.95	862.06	-713.73	216.57	18.36	-15.03	3.49	-0.16	16.60
		285	627.62	213.48	-764.32	162.89	-713.73	216.57	19.18	-14.37	2.20	2.61	16.77
		323	432.12	561.41	45.20	162.89	443.72	216.57	23.96	-16.12	5.30	2.54	19.99
327	9	372	563.72	878.77	326.59	783.50	421.86	208.64	19.40	-13.82	6.22	-0.63	16.25
		260	904.79	812.32	-726.84	783.50	-698.02	208.64	16.33	-13.09	0.43	2.80	14.66
		285	593.21	192.75	-746.89	143.88	-698.02	208.64	20.23	-13.12	0.13	6.97	16.32
		323	411.39	533.57	32.18	143.88	421.86	208.64	22.68	-13.22	5.92	3.54	17.91
327	10	372	554.06	854.26	315.91	762.29	407.89	202.62	21.19	-15.35	6.15	-0.31	17.98
		260	892.48	790.20	-708.27	762.29	-680.36	202.62	16.83	-13.77	2.71	0.35	15.26
		285	588.81	190.30	-727.51	143.15	-680.36	202.62	18.08	-13.33	1.67	3.08	15.69
		323	400.99	517.54	33.49	143.15	407.89	202.62	22.23	-14.70	5.11	2.42	18.41
327	11	372	596.06	924.89	313.09	716.47	521.51	289.95	20.41	-20.39	7.29	-7.27	-19.06
		260	1252.21	763.22	-1081.78	716.47	-1035.03	289.95	43.97	-35.89	-35.57	43.64	-5.06
		285	996.55	189.34	-1103.70	120.67	-1035.03	289.95	74.76	-28.20	-25.16	71.72	17.42
		323	500.31	673.57	-31.39	120.67	521.51	289.95	23.01	15.49	17.70	20.80	3.43
328	1	323	296.33	186.84	-191.33	184.66	-189.16	-28.61	41.64	-16.05	6.51	19.08	28.15
		285	496.24	185.74	-569.27	184.66	-568.19	-28.61	29.08	-12.18	3.86	13.03	20.11
		181	405.94	-233.24	-570.63	-235.68	-568.19	-28.61	34.02	-8.48	1.18	24.36	17.82
		373	243.92	-175.54	-249.30	-235.68	-189.16	-28.61	46.18	-11.95	3.82	30.41	25.85
328	2	323	281.96	176.42	-187.41	175.41	-186.40	-19.15	41.05	-16.17	6.83	18.05	28.05
		285	494.80	175.89	-586.93	175.41	-586.45	-19.15	27.53	-12.15	4.33	11.05	19.56
		181	406.30	-225.62	-587.47	-226.63	-586.45	-19.15	30.86	-8.34	1.27	21.24	16.87
		373	230.30	-178.74	-234.29	-226.63	-186.40	-19.15	44.17	-12.16	3.77	28.24	25.37
328	3	323	290.55	186.50	-187.17	184.24	-184.91	-28.96	41.41	-17.09	7.26	17.06	28.84
		285	470.64	185.38	-551.96	184.24	-550.82	-28.96	26.16	-13.60	4.64	7.92	19.81
		181	376.26	-228.24	-553.42	-230.84	-550.82	-28.96	27.06	-9.06	1.17	16.84	16.27
		373	234.48	-170.92	-244.84	-230.84	-184.91	-28.96	42.51	-12.75	3.79	25.97	25.30
328	4	323	330.07	190.98	-191.32	189.23	-189.58	-25.76	39.28	-6.93	-6.89	39.23	1.40
		285	682.84	190.13	-550.17	189.23	-549.28	-25.76	87.09	-6.91	-6.38	86.56	7.05
		181	663.51	-232.16	-551.37	-234.26	-549.28	-25.76	134.57	-3.47	1.62	129.48	26.01
		373	324.07	-177.82	-246.01	-234.26	-189.58	-25.76	86.99	-3.72	1.11	82.16	20.36
328	5	323	303.88	175.44	-194.61	175.43	-194.61	0.47	35.35	-3.68	-2.53	34.20	6.59
		285	690.39	175.43	-648.64	175.43	-648.64	0.47	71.12	-2.58	-1.97	70.51	6.67
		181	652.61	-227.52	-648.64	-227.52	-648.64	0.47	108.10	-2.17	2.07	103.85	21.21
		373	285.36	-194.61	-227.52	-227.52	-194.61	0.47	73.73	-4.67	1.51	67.55	21.13
328	6	323	345.53	150.40	-222.10	144.25	-215.95	47.47	45.72	-9.11	-9.07	45.68	1.51
		285	973.33	146.31	-948.01	144.25	-945.95	47.47	104.98	-9.28	-8.48	104.18	9.55
		181	980.04	-223.61	-949.07	-226.73	-945.95	47.47	161.67	-5.15	1.65	154.86	32.99
		373	355.49	-173.57	-269.12	-226.73	-215.95	47.47	102.50	-5.08	1.06	96.36	24.95
328	7	323	289.39	183.72	-186.82	181.57	-184.67	-28.17	40.53	-15.74	6.42	18.37	27.49
		285	479.65	182.65	-550.35	181.57	-549.27	-28.17	27.92	-11.86	3.94	12.12	19.47
		181	391.04	-226.98	-551.73	-229.45	-549.27	-28.17	32.41	-8.14	1.22	23.06	17.08
		373	237.26	-171.07	-243.04	-229.45	-184.67	-28.17	44.68	-11.68	3.69	29.30	25.11
328	8	323	226.48	147.56	-144.76	145.68	-142.88	-23.37	31.97	-12.98	5.65	13.34	22.14
		285	358.58	146.66	-414.97	145.68	-413.99	-23.37	20.23	-10.25	3.60	6.38	15.18
		181	286.13	-178.39	-416.31	-180.71	-413.99	-23.37	21.55	-6.58	1.01	13.96	12.49
		373	183.25	-131.73	-191.87	-180.71	-142.88	-23.37	33.39	-9.42	3.05	20.92	19.45
328	9	323	207.13	129.06	-135.07	127.77	-133.77	-18.45	29.50	-11.54	4.64	13.31	20.06
		285	353.84	128.40	-411.58	127.77	-410.95	-18.45	20.38	-8.79	2.80	8.79	14.27
		181	290.08	-162.65	-412.32	-164.02	-410.95	-18.45	23.33	-6.19	0.80	16.34	12.55
		373	169.98	-125.04	-172.75	-164.02	-133.77	-18.45	32.22	-8.71	2.64	20.87	18.33
328	10	323	203.89	128.87	-132.75	127.53	-131.41	-18.64	29.37	-12.12	5.06	12.19	20.44
		285	339.58	128.19	-401.96	127.53	-401.30	-18.64	18.76	-9.58	3.23	5.95	14.11

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		181	273.52	-159.89	-402.74	-161.33	-401.30	-18.64	19.48	-6.52	0.79	12.16	11.69
		373	164.69	-122.47	-170.27	-161.33	-131.41	-18.64	30.19	-9.16	2.62	18.40	18.02
328	11	323	225.63	107.53	-150.87	105.32	-148.66	23.82	28.93	-4.85	-4.01	28.09	5.26
		285	616.96	106.10	-621.60	105.32	-620.82	23.82	60.52	-5.15	-4.05	59.42	8.41
		181	607.74	-157.82	-622.04	-159.05	-620.82	23.82	93.60	-3.69	1.06	88.84	20.98
		373	226.07	-129.47	-178.23	-159.05	-148.66	23.82	62.67	-4.06	1.11	57.51	17.83
329	1	83	615.44	-65.49	-802.87	-65.96	-802.40	-18.59	27.56	-22.08	-21.92	27.40	-2.78
		84	767.43	-65.58	-976.21	-65.96	-975.83	-18.59	50.77	-1.77	-1.74	50.74	1.08
		87	658.90	-219.97	-976.29	-220.42	-975.83	-18.59	42.37	-22.70	1.39	18.29	31.42
		305	502.92	-219.83	-802.99	-220.42	-802.40	-18.59	16.48	-40.32	-18.79	-5.05	27.56
329	2	83	666.86	-67.02	-823.97	-67.18	-823.81	11.12	41.58	-22.79	-22.10	40.90	-6.62
		84	823.45	-67.05	-1000.29	-67.18	-1000.15	11.12	66.99	0.30	0.45	66.85	-3.12
		87	708.33	-237.57	-1000.32	-237.73	-1000.15	11.12	54.92	-14.88	3.23	36.81	30.60
		305	544.49	-237.52	-824.02	-237.73	-823.81	11.12	26.78	-35.24	-19.32	10.86	27.09
329	3	83	751.66	-98.67	-873.89	-98.67	-873.88	-1.63	65.97	-20.03	-19.78	65.72	-4.61
		84	907.54	-98.67	-1047.13	-98.67	-1047.13	-1.63	91.52	2.89	2.92	91.49	-1.54
		87	810.10	-241.27	-1047.13	-241.28	-1047.13	-1.63	78.08	-8.74	5.21	64.13	31.88
		305	649.70	-241.27	-873.89	-241.28	-873.88	-1.63	50.57	-29.69	-17.49	38.36	28.82
329	4	83	593.58	-101.47	-878.04	-101.68	-877.83	12.92	-14.09	-21.59	-15.26	-20.43	2.72
		84	678.69	-101.51	-1055.79	-101.68	-1055.61	12.92	8.75	-7.30	2.16	-0.71	7.89
		87	799.30	-228.55	-1055.82	-228.75	-1055.61	12.92	20.96	-66.90	5.49	-51.43	33.47
		305	716.16	-228.50	-878.09	-228.75	-877.83	12.92	-0.59	-82.49	-11.93	-71.15	28.29
329	5	83	554.29	-71.02	-828.93	-71.28	-828.67	-14.19	2.44	-14.07	-14.06	2.44	0.22
		84	702.78	-71.07	-999.42	-71.28	-999.20	-14.19	24.66	2.88	3.97	23.57	4.75
		87	676.63	-232.21	-999.46	-232.47	-999.20	-14.19	28.21	-41.93	6.91	-20.64	32.25
		305	603.85	-232.13	-829.00	-232.47	-828.67	-14.19	5.23	-58.12	-11.13	-41.76	27.72
329	6	83	577.46	-68.14	-802.55	-68.34	-802.34	-12.28	18.10	-12.61	-12.61	18.09	0.22
		84	725.97	-68.18	-973.78	-68.34	-973.61	-12.28	39.36	4.64	5.04	38.97	3.67
		87	613.61	-211.38	-973.81	-211.58	-973.61	-12.28	33.76	-28.46	6.49	-1.19	30.87
		305	541.25	-211.32	-802.60	-211.58	-802.34	-12.28	11.35	-44.57	-11.15	-22.07	27.43
329	7	83	578.46	-87.21	-805.93	-87.36	-805.78	-10.32	19.86	-13.58	-13.13	19.42	3.83
		84	726.31	-87.24	-977.57	-87.36	-977.45	-10.32	40.74	2.26	3.67	39.33	7.23
		87	618.72	-199.27	-977.59	-199.41	-977.45	-10.32	35.55	-31.05	5.07	-0.56	33.18
		305	543.84	-199.24	-805.95	-199.41	-805.78	-10.32	13.99	-46.20	-11.74	-20.47	29.78
329	8	83	588.25	-75.47	-670.73	-75.47	-670.73	-0.79	54.65	-15.90	-15.64	54.39	-4.27
		84	708.08	-75.47	-803.34	-75.47	-803.34	-0.79	74.61	2.08	2.14	74.55	-2.00
		87	635.28	-188.58	-803.34	-188.58	-803.34	-0.79	64.57	-5.69	3.92	54.96	24.15
		305	511.74	-188.58	-670.73	-188.58	-670.73	-0.79	43.19	-22.25	-13.86	34.80	21.88
329	9	83	436.08	-51.36	-578.38	-51.62	-578.12	-11.66	18.26	-14.39	-14.36	18.23	-0.93
		84	544.27	-51.41	-702.09	-51.62	-701.89	-11.66	34.54	-0.46	-0.37	34.44	1.80
		87	465.75	-153.61	-702.13	-153.86	-701.89	-11.66	28.98	-17.51	1.66	9.82	22.88
		305	363.51	-153.54	-578.44	-153.86	-578.12	-11.66	11.00	-29.73	-12.34	-6.39	20.15
329	10	83	511.70	-69.78	-617.84	-69.79	-617.83	-2.24	39.59	-13.24	-13.17	39.52	-1.95
		84	622.00	-69.78	-741.50	-69.79	-741.50	-2.24	57.08	2.22	2.22	57.08	0.35
		87	549.45	-165.44	-741.50	-165.44	-741.50	-2.24	47.53	-8.46	3.78	35.29	23.14
		305	436.43	-165.43	-617.84	-165.44	-617.83	-2.24	28.55	-22.43	-11.61	17.72	20.85
329	11	83	415.12	-52.81	-578.21	-52.94	-578.09	-8.15	13.08	-9.21	-9.18	13.06	0.73
		84	521.32	-52.84	-700.76	-52.94	-700.65	-8.15	28.33	2.98	3.40	27.90	3.24
		87	443.05	-148.83	-700.77	-148.95	-700.65	-8.15	24.49	-21.00	4.49	-1.00	22.58
		305	390.82	-148.79	-578.24	-148.95	-578.09	-8.15	8.47	-32.41	-8.09	-15.85	20.07
330	1	85	927.50	140.25	-881.21	119.56	-860.52	143.89	92.19	-35.77	-35.36	91.79	7.18
		138	1314.11	132.39	-1494.38	119.56	-1481.55	143.89	90.33	-45.99	-39.52	83.87	28.98
		475	1148.68	203.01	-1493.84	190.72	-1481.55	143.89	37.30	-13.96	-6.36	29.69	18.22
		84	771.36	210.06	-879.86	190.72	-860.52	143.89	37.94	-2.52	-2.20	37.62	-3.59
330	2	85	979.34	152.70	-909.06	124.41	-880.78	170.97	101.31	-35.40	-35.39	101.31	-0.88
		138	1356.27	142.29	-1510.47	124.42	-1492.59	170.97	99.54	-40.02	-36.98	96.50	20.38
		475	1199.28	203.36	-1509.82	186.13	-1492.59	170.97	49.60	-7.81	-4.34	46.14	13.67
		84	830.17	212.86	-907.50	186.13	-880.78	170.97	52.01	-3.81	-2.76	50.95	-7.59
330	3	85	1004.63	131.38	-930.16	101.63	-900.40	175.21	112.65	-29.62	-29.59	112.62	-1.93
		138	1371.91	120.68	-1509.08	101.63	-1490.02	175.21	111.74	-31.87	-29.96	109.84	16.42
		475	1243.25	171.46	-1508.50	152.98	-1490.03	175.21	71.54	-3.56	-1.44	69.42	12.44
		84	880.56	181.36	-928.78	152.98	-900.40	175.21	72.68	-1.54	-1.07	72.21	-5.91
330	4	85	870.43	129.01	-936.41	92.80	-900.20	193.06	75.10	-31.44	-26.68	70.34	22.01
		138	1258.58	115.40	-1556.44	92.80	-1533.84	193.06	74.61	-57.38	-37.80	55.03	46.91
		475	1174.20	172.91	-1555.68	151.07	-1533.84	193.06	18.36	-37.47	-1.25	-17.86	26.65
		84	717.63	185.41	-934.53	151.07	-900.19	193.06	10.11	-2.80	9.87	-2.56	1.75
330	5	85	913.81	181.70	-892.34	158.89	-869.52	154.86	85.22	-26.39	-25.49	84.32	9.98
		138	1294.07	173.41	-1492.87	158.89	-1478.35	154.86	85.33	-40.23	-31.15	76.24	32.53
		475	1075.11	190.85	-1492.72	176.48	-1478.35	154.86	27.96	-16.33	1.90	9.74	21.80
		84	705.18	198.93	-891.97	176.48	-869.52	154.86	17.87	7.50	7.56	17.82	-0.76
330	6	85	910.88	153.06	-882.73	131.60	-861.27	147.54	92.50	-21.80	-21.33	92.03	7.38
		138	1293.51	145.07	-1483.61	131.60	-1470.13	147.54	91.57	-32.29	-25.89	85.18	27.40

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		475	1106.16	190.58	-1483.24	177.48	-1470.13	147.54	34.53	-7.47	3.17	23.88	18.27
		84	732.11	198.03	-881.82	177.48	-861.27	147.54	30.86	7.61	7.74	30.73	-1.76
330	7	85	892.11	102.05	-887.72	78.65	-864.31	150.38	93.62	-23.54	-22.36	92.43	11.71
		138	1277.01	93.08	-1488.66	78.65	-1474.23	150.38	93.44	-35.86	-27.38	84.96	31.99
		475	1101.28	173.09	-1487.96	159.36	-1474.23	150.38	37.22	-11.71	2.12	23.38	22.04
		84	725.27	181.00	-885.95	159.36	-864.31	150.38	30.98	7.01	7.14	30.85	1.76
330	8	85	779.84	105.17	-714.50	81.89	-691.22	136.16	88.29	-23.36	-23.29	88.22	-2.69
		138	1060.87	96.84	-1157.98	81.89	-1143.02	136.16	87.56	-24.37	-23.24	86.43	11.19
		475	965.64	132.64	-1157.56	118.10	-1143.02	136.16	58.38	-2.72	-1.49	57.15	8.58
		84	687.76	140.40	-713.51	118.10	-691.22	136.16	59.41	-2.01	-1.54	58.94	-5.31
330	9	85	655.91	91.89	-631.80	76.64	-616.55	103.93	65.77	-23.60	-23.21	65.38	5.89
		138	930.45	86.10	-1065.56	76.64	-1056.10	103.93	64.81	-31.20	-26.25	59.86	21.22
		475	811.42	138.70	-1065.15	129.66	-1056.10	103.93	26.55	-9.49	-3.12	20.19	13.74
		84	543.40	143.86	-630.75	129.66	-616.55	103.93	25.80	-0.18	-0.08	25.71	-1.59
330	10	85	698.61	86.96	-658.99	66.68	-638.71	121.33	76.96	-20.02	-20.01	76.96	0.83
		138	962.28	79.58	-1073.72	66.68	-1060.81	121.32	76.38	-23.02	-20.94	74.29	14.24
		475	863.85	121.14	-1073.27	108.69	-1060.81	121.32	44.72	-2.85	-0.39	42.26	10.54
		84	604.14	127.89	-657.91	108.69	-638.70	121.33	45.11	0.36	0.55	44.92	-2.88
330	11	85	646.81	99.01	-632.65	83.33	-616.97	105.95	65.96	-15.86	-15.42	65.52	6.00
		138	919.09	93.15	-1059.58	83.33	-1049.76	105.95	65.51	-23.60	-18.68	60.59	20.34
		475	787.86	131.80	-1059.26	122.30	-1049.76	105.95	25.19	-6.06	2.18	16.96	13.77
		84	521.70	137.18	-631.85	122.30	-616.97	105.95	21.90	5.42	5.44	21.88	-0.57
331	1	84	820.66	215.80	-962.16	214.93	-961.29	-32.03	23.75	-19.70	-19.56	23.61	2.44
		475	848.40	215.79	-978.22	214.93	-977.36	-32.03	50.41	11.60	11.79	50.22	2.71
		111	776.05	-257.56	-978.79	-258.98	-977.36	-32.03	85.68	-3.63	14.38	67.67	35.83
		87	724.03	-257.52	-962.75	-258.98	-961.29	-32.03	57.95	-33.86	-16.98	41.07	35.56
331	2	84	873.15	209.04	-985.50	209.00	-985.46	6.88	38.90	-20.08	-20.01	38.84	-2.01
		475	908.75	209.04	-1006.81	209.00	-1006.77	6.88	68.42	14.07	14.12	68.37	-1.65
		111	835.15	-268.87	-1006.84	-268.93	-1006.77	6.88	103.85	2.97	17.32	89.50	35.25
		87	773.93	-268.87	-985.52	-268.93	-985.46	6.88	73.44	-30.29	-16.81	59.96	34.88
331	3	84	946.72	171.18	-1033.13	170.75	-1032.70	22.91	62.36	-18.09	-18.06	62.33	-1.52
		475	992.67	171.17	-1062.12	170.75	-1061.70	22.91	93.26	17.20	17.23	93.23	-1.50
		111	942.28	-269.50	-1062.36	-270.16	-1061.70	22.91	131.68	7.96	20.38	119.27	37.18
		87	874.65	-269.47	-1033.38	-270.16	-1032.70	22.91	100.34	-26.88	-14.90	88.36	37.16
331	4	84	823.04	171.61	-1042.07	170.79	-1041.25	31.53	-5.44	-33.59	-9.98	-29.04	10.36
		475	821.67	171.59	-1065.05	170.79	-1064.25	31.53	19.86	-9.65	16.79	-6.57	9.01
		111	694.96	-260.50	-1065.48	-261.74	-1064.25	31.53	43.33	-32.91	14.62	-4.20	36.94
		87	718.06	-260.47	-1042.52	-261.74	-1041.25	31.53	19.56	-58.37	-12.15	-26.67	38.28
331	5	84	742.70	197.60	-985.49	197.50	-985.39	-11.09	1.33	-13.51	-9.64	-2.55	6.52
		475	778.97	197.60	-1012.37	197.50	-1012.27	-11.09	25.70	14.21	18.10	21.80	5.44
		111	684.85	-270.83	-1012.44	-271.00	-1012.27	-11.09	57.57	-14.89	16.65	26.03	35.92
		87	627.79	-270.82	-985.56	-271.00	-985.39	-11.09	32.84	-42.26	-11.10	1.68	37.00
331	6	84	768.06	200.89	-960.13	200.48	-959.73	-21.74	14.79	-9.59	-8.49	13.69	5.06
		475	806.03	200.88	-988.71	200.48	-988.31	-21.74	38.59	18.59	19.07	38.10	3.07
		111	720.50	-248.35	-988.95	-248.98	-988.31	-21.74	67.06	-6.07	16.25	44.74	33.68
		87	664.75	-248.32	-960.39	-248.98	-959.73	-21.74	43.52	-34.51	-11.32	20.33	35.67
331	7	84	765.85	182.69	-963.76	182.36	-963.43	-19.29	17.05	-11.82	-8.96	14.19	8.62
		475	802.86	182.68	-992.15	182.36	-991.83	-19.29	39.70	15.91	17.94	37.68	6.64
		111	727.26	-235.01	-992.32	-235.50	-991.83	-19.29	68.73	-9.06	15.15	44.52	36.02
		87	674.46	-234.99	-963.94	-235.50	-963.43	-19.29	46.03	-36.75	-11.75	21.04	38.00
331	8	84	739.34	132.18	-792.64	131.74	-792.20	20.04	52.20	-14.59	-14.53	52.13	-2.02
		475	775.09	132.17	-815.17	131.74	-814.75	20.04	76.28	12.91	12.96	76.23	-1.83
		111	737.42	-209.56	-815.41	-210.23	-814.75	20.04	106.46	7.02	15.88	97.60	28.32
		87	684.60	-209.54	-792.89	-210.23	-792.20	20.04	81.97	-20.07	-11.61	73.51	28.13
331	9	84	578.90	146.70	-692.10	146.24	-691.63	-19.67	15.37	-12.66	-12.40	15.11	2.70
		475	600.29	146.69	-705.18	146.24	-704.72	-19.67	34.10	9.30	9.56	33.84	2.54
		111	549.69	-180.12	-705.46	-180.86	-704.72	-19.67	58.78	-3.31	10.59	44.88	25.89
		87	512.31	-180.10	-692.39	-180.86	-691.63	-19.67	39.49	-24.71	-11.37	26.15	26.05
331	10	84	648.53	121.83	-731.44	121.69	-731.30	10.85	36.62	-11.57	-11.56	36.62	0.50
		475	680.16	121.83	-751.71	121.69	-751.57	10.85	57.74	12.58	12.58	57.74	0.20
		111	641.56	-186.86	-751.78	-187.07	-751.57	10.85	83.71	3.76	13.93	73.54	26.63
		87	595.32	-186.85	-731.52	-187.07	-731.30	10.85	62.41	-20.21	-10.22	52.42	26.94
331	11	84	549.79	138.44	-691.00	138.21	-690.77	-13.95	10.62	-7.27	-6.25	9.60	4.16
		475	576.85	138.44	-711.03	138.21	-710.80	-13.95	27.65	13.07	13.61	27.11	2.74
		111	518.82	-174.94	-711.17	-175.30	-710.80	-13.95	48.62	-4.85	11.63	32.14	24.69
		87	479.35	-174.93	-691.14	-175.30	-690.77	-13.95	31.69	-25.30	-8.23	14.62	26.11
332	1	26	1314.17	219.17	-60.94	165.42	-7.19	-110.30	221.18	121.13	164.06	178.25	-49.52
		142	1922.78	167.16	-82.10	141.36	-56.30	-75.93	342.85	246.00	340.61	248.24	14.58
		468	1437.63	230.70	-76.39	210.61	-56.30	-75.93	235.35	205.27	229.90	210.72	11.58
		274	1042.65	277.42	-49.94	234.67	-7.19	-110.30	165.35	28.72	53.35	140.72	-52.52
332	2	26	1275.83	196.48	-59.17	156.06	-18.75	-93.28	217.87	117.77	162.78	172.86	-49.79
		142	1892.05	161.67	-75.36	139.29	-52.97	-69.32	337.47	240.41	335.44	242.44	13.88

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		468	1433.25	217.66	-70.73	199.90	-52.97	-69.32	235.87	205.09	230.50	210.46	11.68
		274	1013.77	249.15	-51.23	216.67	-18.75	-93.28	165.91	32.82	57.83	140.89	-52.00
332	3	26	1268.24	194.65	-57.93	153.28	-16.55	-93.48	216.28	117.68	162.84	171.12	-49.12
		142	1876.06	155.20	-76.22	134.29	-55.30	-66.36	335.49	237.21	333.65	239.05	13.32
		468	1413.41	215.05	-71.59	198.76	-55.30	-66.36	231.96	201.73	228.03	205.66	10.16
		274	1006.79	250.48	-49.28	217.75	-16.55	-93.48	163.46	31.50	57.22	137.74	-52.28
332	4	26	1337.00	261.89	-60.95	185.38	15.57	-137.29	218.19	113.64	153.52	178.31	-50.79
		142	1881.19	149.59	-107.28	133.21	-90.89	-62.77	336.01	247.54	333.84	249.71	13.70
		468	1375.06	217.64	-103.66	204.87	-90.89	-62.77	226.96	201.67	218.09	210.54	12.07
		274	1076.17	319.12	-46.52	257.03	15.57	-137.29	161.37	15.54	37.77	139.14	-52.42
332	5	26	1375.66	231.77	-55.56	157.53	18.69	-125.78	228.81	115.06	161.62	182.25	-55.93
		142	1926.42	137.79	-87.67	116.06	-65.94	-66.54	345.37	254.55	344.19	255.73	10.26
		468	1438.99	209.77	-82.00	193.72	-65.94	-66.54	235.56	213.57	229.93	219.21	9.60
		274	1119.36	292.88	-39.01	235.18	18.69	-125.78	171.52	21.57	47.36	145.73	-56.59
332	6	26	1361.58	242.36	-59.23	158.43	24.70	-135.16	223.51	122.66	168.76	177.41	-50.24
		142	1916.08	146.47	-87.38	117.64	-58.54	-76.89	345.43	245.28	343.42	247.29	14.07
		468	1471.16	231.02	-78.96	210.61	-58.54	-76.89	241.23	209.58	236.79	214.02	10.99
		274	1116.60	314.45	-38.35	251.40	24.70	-135.16	170.39	35.87	62.13	144.13	-53.31
332	7	26	1310.71	235.23	-57.79	156.63	20.81	-129.82	215.31	118.51	161.66	172.17	-48.11
		142	1851.26	144.58	-85.81	117.60	-58.84	-74.07	333.11	237.70	331.02	239.78	13.95
		468	1412.26	224.57	-78.20	205.21	-58.84	-74.07	231.56	201.35	226.67	206.24	11.13
		274	1067.78	303.80	-38.75	244.24	20.81	-129.82	163.14	32.79	57.31	138.63	-50.94
332	8	26	969.07	148.42	-45.27	118.51	-15.36	-69.99	165.58	90.91	125.16	131.33	-37.21
		142	1447.49	120.80	-58.58	105.05	-42.83	-50.76	259.00	181.95	257.33	183.61	11.20
		468	1089.89	165.95	-55.17	153.61	-42.83	-50.76	178.99	155.31	175.84	158.46	8.04
		274	772.13	190.83	-39.12	167.07	-15.36	-69.99	125.97	23.88	43.67	106.18	-40.36
332	9	26	936.27	156.08	-42.18	115.27	-1.37	-80.16	157.13	85.15	116.36	125.92	-35.67
		142	1352.62	114.78	-58.15	96.44	-39.81	-53.25	241.26	173.99	239.98	175.28	9.20
		468	1014.50	161.54	-53.89	147.46	-39.81	-53.25	165.99	145.11	162.44	148.66	7.84
		274	741.37	198.45	-33.53	166.29	-1.37	-80.16	116.87	21.26	38.83	99.31	-37.03
332	10	26	910.61	142.23	-40.27	108.53	-6.57	-70.81	154.41	83.24	115.69	121.96	-35.45
		142	1326.60	108.10	-54.85	92.51	-39.25	-47.93	237.19	169.09	236.11	170.17	8.49
		468	1001.04	152.84	-51.21	140.88	-39.25	-47.93	164.12	143.13	161.40	145.85	7.05
		274	721.51	183.30	-32.98	156.89	-6.57	-70.81	115.83	22.80	40.98	97.65	-36.89
332	11	26	962.71	169.17	-41.43	111.39	16.35	-93.97	158.43	86.00	118.97	125.45	-36.07
		142	1348.92	103.30	-61.09	83.26	-41.05	-53.79	242.71	173.58	241.54	174.75	8.91
		468	1033.13	161.72	-55.32	147.46	-41.05	-53.79	169.28	147.49	166.27	150.49	7.51
		274	782.52	219.13	-27.19	175.59	16.35	-93.97	119.68	25.23	43.70	101.20	-37.47
333	1	374	888.33	278.12	-23.36	50.66	204.10	-129.76	114.66	26.13	31.68	109.11	-21.46
		378	969.50	194.53	-24.37	22.78	147.37	-89.99	137.37	21.86	43.45	115.78	-45.04
		379	850.72	203.63	3.41	59.66	147.37	-89.99	114.72	9.08	18.75	105.05	-30.46
		375	795.46	288.07	3.57	87.55	204.10	-129.76	98.90	6.47	6.98	98.38	-6.89
333	2	374	929.08	304.62	-25.43	54.82	224.37	-141.59	116.80	24.85	30.33	111.32	-21.76
		378	1007.65	221.56	-26.46	27.11	167.99	-102.06	138.72	20.81	41.65	117.88	-44.98
		379	891.23	231.44	3.83	67.28	167.99	-102.06	116.78	8.02	17.46	107.34	-30.62
		375	836.20	315.34	4.01	94.99	224.37	-141.59	101.36	5.56	6.14	100.78	-7.40
333	3	374	914.06	285.08	-25.44	50.78	208.87	-133.63	117.22	25.46	31.83	110.84	-23.33
		378	1002.14	213.27	-26.25	26.84	160.17	-99.49	139.03	20.47	42.34	117.17	-45.98
		379	887.53	223.27	3.31	66.41	160.17	-99.49	117.59	8.66	19.03	107.22	-31.98
		375	821.92	295.79	3.43	90.35	208.87	-133.63	101.82	7.60	8.53	100.89	-9.32
333	4	374	909.73	268.58	-21.18	50.84	196.56	-125.22	120.80	29.87	36.81	113.86	-24.15
		378	1009.07	185.15	-22.12	23.04	139.99	-85.56	146.85	24.71	50.25	121.30	-49.67
		379	875.41	193.29	2.62	55.91	139.99	-85.56	121.04	11.47	23.15	109.36	-33.81
		375	806.40	277.49	2.79	83.72	196.56	-125.22	102.66	8.97	9.71	101.92	-8.29
333	5	374	921.60	299.21	-18.91	64.31	215.99	-139.82	117.90	27.24	33.14	112.00	-22.36
		378	1024.42	229.36	-19.41	41.12	168.83	-106.75	141.54	22.59	45.23	118.90	-46.70
		379	901.11	237.28	2.36	70.81	168.83	-106.75	118.15	9.60	19.78	107.96	-31.65
		375	825.82	307.54	2.45	93.99	215.99	-139.82	101.64	7.12	7.69	101.07	-7.31
333	6	374	889.21	287.33	-18.10	61.39	207.84	-134.01	114.03	26.57	32.29	108.31	-21.64
		378	993.96	225.05	-18.55	40.72	165.78	-104.53	136.94	21.94	43.90	114.98	-45.20
		379	873.97	232.63	2.33	69.17	165.78	-104.53	114.20	9.42	19.30	104.32	-30.62
		375	796.13	295.27	2.42	89.85	207.84	-134.01	98.20	7.14	7.69	97.65	-7.06
333	7	374	849.49	252.17	-19.22	48.61	184.34	-117.50	112.69	27.30	33.24	106.75	-21.73
		378	950.26	186.48	-19.89	26.74	139.85	-86.31	135.99	22.32	44.86	113.45	-45.32
		379	829.92	194.15	2.68	56.99	139.85	-86.31	112.94	10.05	20.23	102.77	-30.72
		375	757.33	260.39	2.80	78.86	184.34	-117.50	96.65	8.03	8.61	96.07	-7.12
333	8	374	708.62	222.57	-20.01	39.54	163.02	-104.41	90.44	19.31	24.25	85.49	-18.10
		378	775.31	166.99	-20.64	21.02	125.33	-77.98	107.09	15.54	32.28	90.35	-35.39
		379	687.70	174.88	2.60	52.14	125.33	-77.98	90.75	6.51	14.49	82.77	-24.68
		375	637.81	231.00	2.68	70.67	163.02	-104.41	78.66	5.71	6.46	77.91	-7.38
333	9	374	624.94	192.96	-16.04	35.33	141.60	-89.99	81.26	18.88	22.87	77.27	-15.27
		378	685.57	136.13	-16.72	16.37	103.04	-62.95	97.49	15.65	31.16	81.98	-32.07

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		379	600.86	142.38	2.31	41.66	103.04	-62.95	81.31	6.65	13.60	74.36	-21.70
		375	559.04	199.78	2.43	60.61	141.60	-89.99	70.01	4.94	5.31	69.64	-4.90
333	10	374	639.20	196.83	-17.19	35.39	144.25	-92.13	82.68	18.50	22.95	78.23	-16.31
		378	703.68	146.54	-17.76	18.63	110.15	-68.23	98.41	14.88	30.54	82.76	-32.60
		379	621.31	153.30	2.26	45.41	110.15	-68.23	82.91	6.41	13.76	75.56	-22.54
		375	573.67	204.07	2.35	62.17	144.25	-92.13	71.63	5.58	6.17	71.04	-6.25
333	11	374	625.43	198.07	-13.11	41.29	143.68	-92.35	80.91	19.12	23.21	76.82	-15.37
		378	699.19	153.07	-13.47	26.34	113.27	-71.03	97.25	15.70	31.41	81.54	-32.17
		379	613.78	158.49	1.72	46.94	113.27	-71.03	81.02	6.83	13.91	73.95	-21.79
		375	559.40	203.78	1.79	61.89	143.68	-92.35	69.62	5.32	5.71	69.23	-4.99
334	1	395	642.08	287.73	-19.79	18.87	249.06	-101.96	75.65	55.89	61.05	70.49	-8.68
		382	788.27	362.02	-15.97	44.62	301.43	-138.68	94.50	66.79	66.80	94.50	0.41
		371	817.04	358.47	-35.74	21.29	301.43	-138.68	108.02	70.56	73.66	104.91	10.33
		397	657.77	284.98	-40.37	-4.45	249.06	-101.96	81.01	67.80	67.92	80.90	1.24
334	2	395	672.03	304.41	-17.83	27.46	259.13	-111.99	78.11	56.44	60.86	73.69	-8.73
		382	820.73	385.57	-14.40	55.34	315.84	-151.75	97.42	66.71	66.72	97.40	0.63
		371	847.52	381.67	-34.00	31.83	315.84	-151.75	110.50	70.85	73.69	107.65	10.23
		397	686.59	301.31	-38.23	3.95	259.13	-111.99	83.99	67.78	67.82	83.94	0.88
334	3	395	648.82	266.20	-22.78	8.21	235.21	-89.41	82.02	60.90	68.94	73.98	-10.25
		382	808.02	362.03	-17.04	41.68	303.31	-137.15	98.32	72.65	72.66	98.31	0.58
		371	846.17	358.30	-38.74	16.25	303.31	-137.15	113.37	78.83	82.03	110.17	10.01
		397	674.43	263.68	-45.68	-17.22	235.21	-89.41	85.93	78.22	78.31	85.84	-0.82
334	4	395	642.48	272.25	-23.20	12.04	237.01	-95.76	78.05	53.25	59.53	71.77	-10.78
		382	806.19	356.24	-18.69	41.21	296.35	-137.36	97.18	67.46	67.75	96.89	-2.95
		371	823.91	351.88	-43.45	12.07	296.35	-137.36	108.15	70.58	72.40	106.32	8.07
		397	648.17	269.06	-49.14	-17.09	237.01	-95.76	81.21	64.17	64.17	81.21	0.24
334	5	395	649.15	286.41	-21.28	17.41	247.73	-102.01	76.98	54.79	60.26	71.52	-9.56
		382	810.71	373.29	-16.96	47.46	308.87	-144.88	96.20	67.17	67.21	96.17	-1.06
		371	833.32	369.23	-38.87	21.49	308.87	-144.88	108.66	70.51	73.02	106.16	9.45
		397	659.79	283.38	-44.21	-8.57	247.73	-102.01	81.56	66.01	66.07	81.51	0.95
334	6	395	620.68	266.57	-20.00	15.58	230.99	-94.50	75.37	56.02	61.57	69.82	-8.75
		382	777.10	353.88	-15.65	45.79	292.44	-137.58	93.75	67.36	67.36	93.75	0.33
		371	805.37	350.16	-35.50	22.22	292.44	-137.58	107.28	71.04	74.18	104.14	10.20
		397	636.97	263.84	-40.83	-7.98	230.99	-94.50	80.32	68.29	68.39	80.21	1.12
334	7	395	588.82	238.24	-21.94	5.96	210.34	-80.50	74.67	56.16	62.55	68.28	-8.80
		382	744.22	322.74	-16.85	35.49	270.41	-122.61	92.25	68.35	68.36	92.24	0.33
		371	775.30	319.33	-36.87	12.05	270.41	-122.61	106.05	71.85	75.22	102.68	10.20
		397	607.68	235.92	-43.05	-17.48	210.34	-80.50	78.83	69.29	69.42	78.71	1.07
334	8	395	504.43	207.64	-17.49	6.80	183.35	-69.85	63.65	46.99	53.34	57.29	-8.09
		382	626.60	282.12	-13.07	32.80	236.26	-106.94	75.93	55.88	55.89	75.92	0.29
		371	655.70	279.23	-29.85	13.12	236.26	-106.94	87.38	60.95	63.28	85.05	7.49
		397	524.01	205.67	-35.21	-12.88	183.35	-69.85	66.56	60.59	60.73	66.42	-0.89
334	9	395	447.40	196.15	-14.46	11.10	170.59	-68.78	53.62	40.04	43.84	49.82	-6.10
		382	553.36	250.70	-11.54	30.04	209.12	-95.79	67.01	48.06	48.07	67.00	0.46
		371	575.05	248.20	-25.67	13.41	209.12	-95.79	76.89	50.61	52.98	74.52	7.53
		397	459.79	194.27	-29.21	-5.53	170.59	-68.78	57.45	48.64	48.74	57.34	0.97
334	10	395	451.29	184.23	-16.16	5.17	162.90	-61.80	57.18	42.80	48.23	51.76	-6.97
		382	564.44	250.71	-12.14	28.41	210.17	-94.94	69.13	51.31	51.33	69.12	0.55
		371	591.32	248.12	-27.35	10.60	210.17	-94.94	79.87	55.20	57.62	77.44	7.35
		397	469.16	182.48	-32.21	-12.63	162.90	-61.80	60.09	54.51	54.52	60.08	-0.18
334	11	395	435.59	184.40	-14.58	9.27	160.55	-64.63	53.48	40.10	44.13	49.45	-6.13
		382	547.19	246.17	-11.35	30.69	204.13	-95.18	66.59	48.38	48.39	66.58	0.42
		371	568.60	243.58	-25.52	13.92	204.13	-95.18	76.48	50.87	53.27	74.09	7.45
		397	448.33	182.53	-29.48	-7.50	160.55	-64.63	57.06	48.91	49.01	56.96	0.90
335	1	397	469.46	217.74	-21.32	-6.61	203.04	-57.43	69.54	26.82	67.39	28.97	9.35
		371	615.84	264.20	-15.99	10.31	237.89	-81.72	91.35	53.97	67.37	77.96	17.93
		384	788.02	269.60	27.23	58.93	237.89	-81.72	127.27	19.20	79.10	67.37	53.72
		365	747.82	221.42	23.62	42.01	203.04	-57.43	103.16	-5.65	79.12	18.39	45.14
335	2	397	465.85	234.72	-17.98	1.86	214.88	-67.97	69.46	29.49	67.28	31.66	9.06
		371	640.36	289.23	-13.00	21.30	254.93	-95.87	92.57	54.65	66.98	80.24	17.76
		384	800.46	295.52	28.50	69.09	254.93	-95.87	127.61	20.88	78.98	69.51	53.16
		365	750.79	239.25	25.28	49.65	214.88	-67.97	103.29	-3.07	79.28	20.93	44.46
335	3	397	508.19	193.94	-27.59	-19.73	186.08	-40.97	78.40	28.94	77.20	30.13	7.58
		371	637.04	259.62	-17.97	4.88	236.77	-76.30	96.59	60.25	75.55	81.29	17.94
		384	821.54	263.86	21.86	48.94	236.77	-76.30	136.21	25.41	90.48	71.15	54.55
		365	774.45	195.87	14.54	24.33	186.08	-40.97	113.11	-0.99	92.13	19.99	44.20
335	4	397	442.95	202.43	-29.12	-19.46	192.77	-46.29	65.98	28.01	63.78	30.21	8.87
		371	625.15	260.04	-21.03	2.01	237.00	-77.11	90.69	55.87	66.14	80.42	15.88
		384	773.89	263.90	16.02	42.93	237.00	-77.11	124.36	17.11	74.40	67.08	53.50
		365	729.50	204.48	9.74	21.45	192.77	-46.29	98.52	-9.61	72.05	16.86	46.49
335	5	397	458.37	215.31	-24.13	-10.89	202.06	-54.74	67.87	27.56	65.62	29.82	9.26
		371	629.59	274.90	-17.12	10.89	246.90	-85.98	91.44	54.78	66.71	79.51	17.17

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		384	792.03	280.01	23.61	56.72	246.90	-85.98	126.37	18.20	76.90	67.67	53.89
		365	743.41	218.39	18.62	34.95	202.06	-54.74	101.21	-7.42	75.81	17.98	45.98
335	6	397	463.20	199.51	-21.91	-9.82	187.42	-50.30	69.81	26.24	67.79	28.26	9.17
		371	607.64	257.88	-15.06	11.50	231.32	-80.89	90.97	54.19	67.91	77.25	17.79
		384	785.99	263.42	27.49	59.59	231.32	-80.89	127.07	19.21	79.60	66.68	53.54
		365	735.85	202.80	22.89	38.27	187.42	-50.30	103.10	-5.94	79.48	17.69	44.92
335	7	397	464.22	174.65	-26.03	-18.97	167.60	-36.95	70.76	24.73	68.84	26.65	9.20
		371	584.24	227.77	-17.98	1.02	208.77	-65.64	90.36	54.20	68.90	75.66	17.76
		384	769.58	232.28	25.52	49.04	208.77	-65.64	126.92	18.65	80.55	65.01	53.57
		365	725.59	176.84	19.80	29.04	167.60	-36.95	103.62	-7.12	80.50	16.01	45.01
335	8	397	393.29	151.34	-21.15	-14.89	145.08	-32.25	60.70	22.57	59.86	23.41	5.59
		371	493.41	202.74	-13.71	4.34	184.69	-59.85	74.40	46.79	58.36	62.83	13.62
		384	633.75	206.01	16.64	37.96	184.69	-59.85	105.03	20.02	70.06	55.00	41.83
		365	598.57	152.84	10.97	18.73	145.08	-32.25	87.46	-0.32	71.57	15.58	33.80
335	9	397	333.82	147.33	-15.96	-6.98	138.35	-37.22	49.86	18.76	48.32	20.29	6.73
		371	433.53	181.61	-11.76	5.60	164.26	-55.27	65.16	38.46	48.42	55.20	12.91
		384	559.56	185.28	18.97	40.00	164.26	-55.27	90.90	13.64	56.79	47.75	38.37
		365	529.06	149.68	16.09	27.42	138.35	-37.22	73.71	-4.18	56.70	12.84	32.18
335	10	397	355.52	134.24	-19.58	-14.27	128.93	-28.07	54.75	19.96	53.78	20.93	5.75
		371	445.48	179.10	-12.89	2.58	163.63	-52.26	68.09	41.93	52.97	57.05	12.92
		384	578.20	182.13	15.96	34.45	163.63	-52.26	95.87	17.09	63.11	49.85	38.83
		365	543.82	135.61	10.92	17.60	128.93	-28.07	79.23	-1.58	63.93	13.72	31.66
335	11	397	330.50	137.25	-16.33	-8.76	129.67	-33.25	50.01	18.43	48.55	19.89	6.63
		371	429.04	178.09	-11.22	6.26	160.61	-54.81	64.96	38.58	48.72	54.81	12.84
		384	558.45	181.84	19.13	40.37	160.61	-54.81	90.79	13.64	57.07	47.36	38.27
		365	522.49	139.37	15.65	25.34	129.67	-33.25	73.68	-4.34	56.89	12.44	32.06
336	1	365	1122.23	194.92	10.91	51.96	153.87	-76.60	73.18	-110.80	60.65	-98.26	46.35
		384	1033.06	119.67	9.14	26.78	102.03	-40.48	113.23	-66.89	72.21	-25.87	75.54
		277	1469.07	126.35	34.67	58.99	102.03	-40.48	169.47	-96.73	101.00	-28.27	116.35
		206	1483.44	203.18	34.86	84.17	153.87	-76.60	123.35	-134.59	89.44	-100.67	87.17
336	2	365	1121.45	213.60	10.82	59.02	165.41	-86.32	73.85	-107.61	61.45	-95.21	45.78
		384	1045.48	149.57	9.89	37.79	121.67	-55.84	112.33	-65.31	71.32	-24.30	74.85
		277	1476.13	156.51	32.17	67.01	121.67	-55.84	168.53	-93.75	101.04	-26.26	114.66
		206	1481.01	221.37	32.28	88.25	165.41	-86.32	124.25	-130.26	91.17	-97.17	85.59
336	3	365	1173.11	158.37	6.51	34.18	130.70	-58.62	84.16	-115.47	72.60	-103.92	46.62
		384	1072.51	102.24	3.91	14.98	91.17	-31.08	122.74	-66.62	83.06	-26.94	77.06
		277	1550.50	104.27	17.46	30.56	91.17	-31.08	182.77	-99.30	114.12	-30.65	121.04
		206	1569.26	161.46	18.99	49.76	130.70	-58.62	137.19	-141.15	103.66	-107.63	90.60
336	4	365	1115.34	170.54	3.75	31.03	143.26	-61.69	70.47	-113.30	56.98	-99.81	47.93
		384	1023.20	113.44	0.40	11.27	102.56	-33.33	107.12	-71.98	64.76	-29.62	76.11
		277	1461.85	114.66	10.75	22.85	102.56	-33.33	164.13	-99.93	94.96	-30.76	116.10
		206	1480.91	172.55	13.33	42.62	143.26	-61.69	121.87	-135.64	87.18	-100.94	87.92
336	5	365	1126.12	191.85	7.27	45.73	153.39	-74.97	72.01	-111.95	58.86	-98.80	47.40
		384	1039.57	125.31	5.34	23.35	107.30	-42.85	110.39	-69.78	68.44	-27.83	76.15
		277	1474.48	129.54	24.74	46.98	107.30	-42.85	166.74	-98.60	98.01	-29.87	116.25
		206	1489.12	197.31	25.44	69.36	153.39	-74.97	122.68	-135.09	88.43	-100.84	87.50
336	6	365	1114.67	182.28	9.17	49.63	141.82	-73.26	73.44	-111.30	61.01	-98.86	46.29
		384	1029.88	112.02	7.87	26.24	93.65	-39.69	113.11	-67.29	72.55	-26.72	75.31
		277	1466.05	118.76	30.90	56.00	93.65	-39.69	168.98	-97.26	101.13	-29.41	116.02
		206	1476.83	190.24	30.97	79.40	141.82	-73.26	123.25	-135.21	89.59	-101.55	86.99
336	7	365	1100.62	149.12	10.04	39.22	119.94	-56.63	74.20	-112.98	61.99	-100.78	46.22
		384	1013.39	83.36	7.78	16.99	74.15	-24.72	113.71	-68.35	73.65	-28.30	75.42
		277	1448.12	89.56	34.49	49.91	74.15	-24.72	169.82	-98.15	102.40	-30.73	116.28
		206	1457.64	157.51	34.57	72.14	119.94	-56.63	124.10	-136.57	90.74	-103.21	87.08
336	8	365	907.27	123.41	4.80	26.28	101.92	-45.68	65.26	-88.99	56.46	-80.19	35.77
		384	827.92	80.73	2.82	11.69	71.86	-24.74	94.78	-51.04	64.40	-20.66	59.22
		277	1199.10	82.13	12.24	22.51	71.86	-24.74	141.18	-76.54	88.39	-23.75	93.30
		206	1215.25	125.52	13.50	37.10	101.92	-45.68	106.21	-109.04	80.46	-83.28	69.85
336	9	365	795.04	130.55	7.54	34.52	103.58	-50.90	52.47	-79.09	43.56	-70.19	33.04
		384	732.91	78.81	6.20	17.16	67.84	-26.00	80.92	-47.81	51.81	-18.69	53.86
		277	1042.56	83.38	24.35	39.89	67.84	-26.00	120.96	-68.87	72.35	-20.26	82.85
		206	1051.00	136.33	24.49	57.24	103.58	-50.90	88.17	-95.83	64.10	-71.77	62.04
336	10	365	823.30	110.25	5.09	24.64	90.71	-40.91	58.56	-81.69	50.20	-73.33	33.19
		384	754.83	69.18	3.24	10.61	61.81	-20.77	86.20	-47.65	57.83	-19.28	54.70
		277	1087.75	71.01	14.89	24.09	61.81	-20.77	128.34	-70.30	79.63	-21.58	85.46
		206	1098.64	113.04	15.79	38.12	90.71	-40.91	95.85	-99.48	72.01	-75.63	63.95
336	11	365	790.86	123.52	6.59	33.22	96.88	-49.04	52.61	-79.37	43.76	-70.52	33.01
		384	731.16	74.52	5.53	16.86	63.19	-25.56	80.86	-48.03	51.99	-19.16	53.73
		277	1040.89	79.15	22.26	38.23	63.19	-25.56	120.69	-69.16	72.42	-20.89	82.67
		206	1047.35	129.14	22.33	54.59	96.88	-49.04	88.12	-96.18	64.19	-72.25	61.95
337	1	375	1001.91	267.74	-3.94	76.55	187.24	-124.05	131.48	-0.46	1.76	129.26	-16.98
		379	1015.48	255.01	-3.95	72.39	178.66	-118.07	145.17	27.15	30.73	141.60	-20.22

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		441	856.09	258.23	3.44	83.01	178.66	-118.07	112.59	4.48	5.52	111.55	-10.58
		377	861.24	270.97	3.45	87.17	187.24	-124.05	99.65	-23.88	-23.44	99.21	-7.33
337	2	375	1042.01	298.36	-4.92	83.93	209.50	-138.03	133.28	-1.36	0.91	131.01	-17.32
		379	1058.03	288.61	-4.94	80.74	202.93	-133.45	146.88	25.72	29.25	143.35	-20.37
		441	897.51	292.42	3.92	93.41	202.93	-133.45	114.45	3.61	4.67	113.39	-10.79
		377	898.20	302.18	3.92	96.60	209.50	-138.03	101.53	-24.15	-23.67	101.05	-7.74
337	3	375	1015.63	269.78	-4.61	78.05	187.12	-125.89	133.38	0.28	3.11	130.55	-19.19
		379	1044.92	275.01	-4.61	79.76	190.64	-128.34	146.94	26.72	30.80	142.87	-21.76
		441	883.33	278.81	3.82	91.99	190.64	-128.34	114.56	5.75	7.19	113.12	-12.45
		377	870.08	273.59	3.82	90.28	187.12	-125.89	101.60	-21.30	-20.50	100.80	-9.88
337	4	375	1028.95	255.55	-3.86	72.60	179.09	-118.27	138.19	1.46	4.14	135.51	-18.97
		379	1047.45	243.49	-3.88	68.65	170.97	-112.61	153.21	31.70	36.32	148.59	-23.24
		441	878.18	247.26	4.76	81.05	170.97	-112.61	118.22	6.31	7.75	116.78	-12.61
		377	883.26	259.33	4.76	84.99	179.09	-118.27	104.24	-24.96	-24.42	103.70	-8.34
337	5	375	1038.46	285.55	-3.20	83.31	199.04	-132.28	135.43	-0.13	2.22	133.08	-17.67
		379	1064.43	284.61	-3.21	83.00	198.41	-131.83	149.68	28.59	32.44	145.83	-21.25
		441	898.93	288.28	5.02	94.89	198.41	-131.83	116.06	4.84	5.98	114.92	-11.17
		377	893.14	289.22	5.02	95.20	199.04	-132.28	102.63	-24.70	-24.24	102.18	-7.58
337	6	375	1003.08	275.55	-3.30	79.75	192.49	-127.52	130.85	0.13	2.40	128.57	-17.11
		379	1031.89	279.15	-3.30	80.93	194.93	-129.21	144.60	27.73	31.41	140.93	-20.40
		441	870.42	282.73	4.77	92.57	194.93	-129.21	111.95	5.05	6.13	110.87	-10.71
		377	860.71	279.12	4.77	91.39	192.49	-127.52	98.97	-23.32	-22.87	98.51	-7.42
337	7	375	964.50	240.90	-3.52	68.77	168.61	-111.55	129.39	0.94	3.28	127.04	-17.19
		379	989.36	240.38	-3.52	68.60	168.26	-111.31	143.17	28.57	32.36	139.39	-20.48
		441	828.92	243.42	3.42	78.58	168.26	-111.31	110.41	5.89	7.02	109.28	-10.81
		377	824.33	243.94	3.42	78.75	168.61	-111.55	97.41	-22.52	-22.05	96.94	-7.52
337	8	375	785.54	210.45	-3.61	61.05	145.79	-98.28	102.81	0.05	2.27	100.58	-14.95
		379	808.29	214.96	-3.60	62.52	148.83	-100.40	113.22	20.32	23.48	110.07	-16.83
		441	684.22	217.93	2.95	72.05	148.83	-100.40	88.41	4.35	5.49	87.27	-9.72
		377	673.47	213.42	2.95	70.57	145.79	-98.28	78.44	-16.36	-15.71	77.78	-7.83
337	9	375	705.97	185.48	-2.77	52.92	129.79	-85.92	93.21	5.70e-03	1.60	91.62	-12.07
		379	717.46	178.28	-2.78	50.56	124.94	-82.54	102.95	19.60	22.17	100.38	-14.42
		441	603.76	180.56	2.46	58.08	124.94	-82.54	79.72	3.46	4.21	78.96	-7.55
		377	605.82	187.77	2.47	60.44	129.79	-85.92	70.52	-16.68	-16.37	70.21	-5.20
337	10	375	713.53	186.62	-3.14	53.75	129.73	-86.94	94.26	0.42	2.34	92.34	-13.30
		379	733.78	189.39	-3.13	54.66	131.59	-88.24	103.94	19.36	22.22	101.08	-15.27
		441	618.83	191.99	2.68	63.07	131.59	-88.24	80.81	4.16	5.14	79.84	-8.59
		377	610.60	189.22	2.68	62.17	129.73	-86.94	71.60	-15.24	-14.73	71.09	-6.61
337	11	375	706.61	189.82	-2.41	54.69	132.71	-87.84	92.86	0.33	1.95	91.24	-12.14
		379	726.57	191.69	-2.41	55.31	133.97	-88.72	102.63	19.92	22.55	100.00	-14.52
		441	611.70	194.17	3.20	63.40	133.97	-88.72	79.36	3.77	4.55	78.59	-7.62
		377	605.50	192.29	3.20	62.78	132.71	-87.84	70.14	-16.37	-16.05	69.82	-5.25
338	1	382	830.55	337.70	-27.84	82.36	227.50	-167.75	120.92	72.78	75.74	117.96	11.57
		374	861.04	275.98	-27.91	62.00	186.07	-138.70	122.84	51.44	52.27	122.02	-7.63
		375	783.61	285.48	-7.46	91.95	186.07	-138.70	115.86	47.73	48.24	115.35	5.82
		371	781.69	347.27	-7.45	112.32	227.50	-167.75	123.40	59.59	71.70	111.29	25.02
338	2	382	863.45	363.12	-30.23	83.28	249.60	-178.23	122.38	71.93	74.34	119.97	10.77
		374	900.76	302.65	-30.37	63.31	208.97	-149.74	124.90	49.78	50.67	124.01	-8.13
		375	821.08	312.39	-7.82	95.60	208.97	-149.74	117.78	46.59	46.97	117.40	5.19
		371	810.73	373.00	-7.82	115.57	249.60	-178.23	124.19	59.81	70.65	113.36	24.09
338	3	382	841.33	335.05	-32.34	80.54	222.17	-169.50	120.91	74.79	76.36	119.35	8.35
		374	880.93	282.16	-32.38	63.10	186.68	-144.62	124.51	50.21	51.57	123.15	-9.97
		375	802.34	293.43	-9.25	97.50	186.68	-144.62	117.19	48.77	48.90	117.06	3.00
		371	791.38	346.33	-9.22	114.94	222.17	-169.50	122.56	64.38	73.69	113.26	21.32
338	4	382	854.64	331.30	-27.88	81.00	222.42	-165.08	126.52	78.56	81.64	123.44	11.76
		374	885.00	265.74	-27.94	59.38	178.42	-134.24	129.26	58.02	59.22	128.06	-9.17
		375	801.03	275.83	-6.56	90.85	178.42	-134.24	120.86	52.84	53.27	120.43	5.39
		371	801.80	341.44	-6.55	112.47	222.42	-165.08	128.84	62.67	75.70	115.81	26.31
338	5	382	854.48	349.38	-25.79	90.10	233.49	-173.34	124.37	75.38	78.49	121.25	11.95
		374	895.24	296.61	-25.82	72.70	198.09	-148.53	126.52	53.91	54.83	125.60	-8.11
		375	813.48	306.38	-5.62	102.67	198.09	-148.53	119.15	49.70	50.21	118.64	5.95
		371	803.36	359.16	-5.60	120.07	233.49	-173.34	127.02	61.14	73.87	114.29	26.01
338	6	382	822.75	331.40	-25.39	83.25	222.76	-164.19	120.28	73.43	76.45	117.26	11.51
		374	863.85	284.67	-25.43	67.83	191.40	-142.21	122.22	52.23	53.10	121.35	-7.73
		375	785.52	294.17	-5.39	97.37	191.40	-142.21	115.15	48.48	48.98	114.65	5.76
		371	774.77	340.93	-5.38	112.79	222.76	-164.19	122.91	59.98	72.34	110.56	24.99
338	7	382	792.56	299.11	-26.25	72.51	200.35	-149.60	118.92	74.22	77.38	115.75	11.47
		374	826.08	249.43	-26.30	56.12	167.01	-126.22	120.74	53.14	54.06	119.82	-7.80
		375	750.37	258.85	-6.47	85.36	167.01	-126.22	113.59	49.39	49.90	113.08	5.69
		371	748.65	308.56	-6.46	101.75	200.35	-149.60	121.82	60.41	73.23	109.01	24.95
338	8	382	650.46	261.16	-25.31	62.92	172.93	-132.26	92.80	57.21	58.24	91.77	5.97
		374	682.03	220.32	-25.34	49.45	145.53	-113.05	95.87	38.06	39.17	94.76	-7.93

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		375	621.76	229.14	-7.33	76.28	145.53	-113.05	90.33	37.21	37.28	90.26	2.00
		371	611.77	269.98	-7.31	89.74	172.93	-132.26	93.99	49.64	56.36	87.26	15.91
338	9	382	585.29	233.47	-19.61	56.66	157.19	-116.13	86.05	52.25	54.49	83.81	8.41
		374	606.60	191.34	-19.66	42.76	128.91	-96.30	87.18	37.15	37.73	86.60	-5.36
		375	551.46	198.08	-5.17	64.00	128.91	-96.30	82.10	34.41	34.79	81.72	4.21
		371	551.17	240.26	-5.16	77.90	157.19	-116.13	87.84	42.65	51.56	78.93	17.98
338	10	382	590.99	231.99	-22.11	55.65	154.23	-117.10	85.99	53.43	54.84	84.58	6.62
		374	617.50	194.77	-22.14	43.38	129.25	-99.59	88.10	36.47	37.34	87.23	-6.65
		375	561.65	202.50	-6.16	67.08	129.25	-99.59	82.82	35.01	35.16	82.67	2.65
		371	556.17	239.73	-6.15	79.36	154.23	-117.10	87.33	45.35	52.66	80.03	15.92
338	11	382	581.02	229.96	-18.25	57.16	154.56	-114.15	85.70	52.61	54.89	83.42	8.37
		374	608.17	196.17	-18.28	46.01	131.88	-98.25	86.83	37.58	38.19	86.23	-5.41
		375	552.52	202.91	-4.02	67.01	131.88	-98.25	81.71	34.83	35.20	81.33	4.18
		371	547.40	236.73	-4.01	78.16	154.56	-114.15	87.57	42.86	51.91	78.53	17.96
339	1	371	1046.79	245.76	-15.73	91.05	138.98	-128.53	190.67	78.05	113.62	155.10	52.35
		375	987.94	269.60	-15.58	98.89	155.13	-139.79	161.58	51.53	52.58	160.53	10.70
		377	875.05	268.42	-17.35	95.94	155.13	-139.79	136.19	17.31	43.10	110.40	49.00
		384	1273.55	244.56	-17.49	88.09	138.98	-128.53	195.20	13.91	104.14	104.97	90.64
339	2	371	1047.12	272.63	-16.88	94.19	161.57	-140.78	190.48	78.47	112.34	156.61	51.44
		375	1023.21	299.14	-16.79	102.88	179.47	-153.25	162.83	50.29	51.19	161.93	10.05
		377	880.78	298.95	-17.10	102.38	179.47	-153.25	136.32	17.51	42.04	111.79	48.09
		384	1277.07	272.44	-17.19	93.69	161.57	-140.78	194.33	15.33	103.18	106.48	89.49
339	3	371	1036.49	238.14	-23.59	92.11	122.44	-129.99	188.82	82.89	116.00	155.71	49.10
		375	989.28	272.44	-23.16	103.46	145.81	-146.28	161.91	52.29	52.86	161.35	7.85
		377	866.61	272.51	-23.07	103.62	145.81	-146.28	134.93	21.33	45.18	111.08	46.27
		384	1254.74	238.21	-23.51	92.27	122.44	-129.99	194.42	19.35	108.32	105.44	87.52
339	4	371	1089.01	238.09	-18.99	90.53	128.57	-127.13	198.70	82.18	118.64	162.23	54.03
		375	1016.80	258.30	-18.79	97.20	142.31	-136.70	169.80	57.39	58.38	168.80	10.52
		377	909.04	256.36	-21.53	92.52	142.31	-136.70	142.98	19.39	46.20	116.17	50.94
		384	1318.04	236.12	-21.70	85.85	128.57	-127.13	202.50	13.57	106.46	109.60	94.45
339	5	371	1081.40	256.94	-17.31	98.48	141.15	-135.46	196.22	80.14	116.60	159.76	53.88
		375	1021.17	288.61	-17.03	108.93	162.65	-150.44	166.61	53.98	55.06	165.54	10.96
		377	909.95	285.76	-21.19	101.92	162.65	-150.44	140.34	17.88	44.39	113.82	50.44
		384	1314.90	254.03	-21.40	91.48	141.15	-135.46	200.35	13.62	105.93	108.04	93.36
339	6	371	1046.49	241.80	-16.30	91.76	133.73	-127.33	190.47	78.38	114.33	154.52	52.32
		375	987.39	278.20	-16.01	103.76	158.43	-144.54	160.93	52.22	53.27	159.89	10.63
		377	877.48	275.68	-19.76	97.49	158.43	-144.54	135.71	17.74	43.75	109.70	48.90
		384	1272.90	239.21	-19.98	85.50	133.73	-127.33	195.16	13.98	104.81	104.34	90.59
339	7	371	1034.95	208.92	-15.70	80.74	112.48	-111.18	189.67	78.54	115.29	152.93	52.28
		375	955.49	243.36	-15.36	92.10	135.89	-127.49	159.44	53.11	54.17	158.38	10.57
		377	857.59	241.61	-17.86	87.86	135.89	-127.49	134.78	18.10	44.67	108.21	48.93
		384	1253.59	207.12	-18.14	76.49	112.48	-111.18	194.93	13.62	105.79	102.76	90.64
339	8	371	794.36	186.15	-18.71	72.06	95.37	-101.76	144.61	63.94	88.87	119.68	37.28
		375	763.46	212.52	-18.37	80.79	113.36	-114.29	124.51	39.87	40.25	124.12	5.70
		377	666.31	212.71	-18.13	81.22	113.36	-114.29	103.59	16.57	34.57	85.59	35.25
		384	962.52	186.34	-18.47	72.49	95.37	-101.76	149.00	15.33	83.18	81.16	66.83
339	9	371	745.01	168.31	-11.26	62.80	94.26	-88.40	135.90	55.72	81.42	110.20	37.42
		375	697.39	186.87	-11.12	68.91	106.84	-97.16	114.73	37.14	37.91	113.96	7.70
		377	620.05	185.97	-12.46	66.67	106.84	-97.16	96.77	12.52	31.10	78.18	34.93
		384	904.53	167.40	-12.58	60.56	94.26	-88.40	139.17	9.86	74.61	74.42	64.65
339	10	371	739.36	164.09	-15.63	63.39	85.07	-89.21	134.87	58.41	82.74	110.53	35.62
		375	697.92	188.45	-15.34	71.45	101.66	-100.77	114.90	37.58	38.07	114.42	6.11
		377	615.38	188.24	-15.63	70.94	101.66	-100.77	96.06	14.76	32.26	78.56	33.42
		384	894.14	163.87	-15.92	62.88	85.07	-89.21	138.73	12.88	76.93	74.68	62.92
339	11	371	744.87	166.12	-11.58	63.20	91.34	-87.73	135.79	55.89	81.81	109.87	37.40
		375	697.07	191.65	-11.37	71.61	108.67	-99.81	114.37	37.52	38.30	113.60	7.66
		377	621.39	190.01	-13.80	67.54	108.67	-99.81	96.50	12.76	31.47	77.80	34.88
		384	904.19	164.43	-13.96	59.12	91.34	-87.73	139.15	9.90	74.98	74.07	64.62
340	1	384	2116.69	124.20	-5.43	64.17	54.59	-64.64	348.25	13.36	187.93	173.68	167.30
		377	873.18	257.29	-2.41	108.66	146.22	-128.49	103.79	-23.99	16.25	63.55	59.35
		209	1186.77	255.39	-5.00	104.16	146.22	-128.49	3.63	-158.57	-17.76	-137.18	54.88
		277	2058.05	121.82	-7.55	59.67	54.59	-64.64	249.72	-122.85	153.92	-27.05	162.83
340	2	384	2117.54	152.23	-4.90	69.75	77.58	-78.47	346.58	14.57	186.72	174.44	165.89
		377	885.79	289.77	-3.20	115.26	171.30	-143.78	103.03	-23.74	15.01	64.27	58.40
		209	1203.94	289.46	-3.66	114.49	171.30	-143.78	2.41	-156.47	-18.41	-135.65	53.61
		277	2061.47	151.87	-5.30	68.98	77.58	-78.47	248.15	-120.33	153.30	-25.49	161.10
340	3	384	2111.28	108.72	-13.07	66.25	29.40	-58.04	349.80	16.38	193.38	172.81	166.39
		377	851.14	256.79	-5.68	117.06	134.04	-130.96	100.26	-21.47	17.18	61.61	56.67
		209	1197.00	257.25	-5.16	118.04	134.04	-130.96	2.64	-163.30	-16.43	-144.23	52.93
		277	2063.11	109.36	-12.73	67.23	29.40	-58.04	252.44	-125.71	159.77	-33.03	162.65
340	4	384	2202.61	111.26	-6.67	60.90	43.69	-58.33	363.63	13.44	193.91	183.16	175.01
		377	906.02	247.68	-2.68	106.79	138.20	-124.19	110.91	-24.03	17.23	69.66	62.17

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		209	1206.21	248.61	-1.49	108.92	138.20	-124.19	4.07	-163.05	-19.91	-139.07	58.59
		277	2127.50	112.48	-5.77	63.02	43.69	-58.33	259.77	-128.56	156.77	-25.56	171.44
340	5	384	2168.50	127.27	1.04	66.75	61.57	-63.06	357.66	13.38	191.90	179.14	172.02
		377	905.18	279.91	3.74	117.52	166.13	-135.93	107.77	-24.53	16.66	66.57	61.26
		209	1227.16	279.86	3.66	117.39	166.13	-135.93	3.97	-161.55	-18.74	-138.83	56.95
		277	2104.95	127.20	0.98	66.61	61.57	-63.06	256.11	-125.88	156.50	-26.27	167.71
340	6	384	2104.67	116.55	1.76	61.53	56.78	-57.35	348.07	13.39	188.61	172.86	167.15
		377	871.16	270.41	4.33	112.67	162.08	-130.73	103.58	-23.61	16.98	62.99	59.29
		209	1202.98	269.75	3.36	111.02	162.08	-130.73	4.35	-158.90	-16.95	-137.60	54.98
		277	2051.22	115.71	0.97	59.89	56.78	-57.35	250.12	-123.18	154.68	-27.73	162.85
340	7	384	2100.90	90.27	-7.75	52.98	29.54	-47.59	348.35	13.03	189.73	171.65	167.42
		377	850.26	230.12	-2.62	100.37	127.13	-115.59	102.73	-23.58	17.80	61.35	59.28
		209	1172.68	228.14	-5.16	95.85	127.13	-115.59	4.54	-160.53	-16.30	-139.69	54.83
		277	2040.22	87.52	-9.52	48.46	29.54	-47.59	250.51	-124.27	155.63	-29.39	162.96
340	8	384	1621.16	85.77	-10.41	52.30	23.06	-45.81	268.48	12.79	148.58	132.69	127.60
		377	653.55	200.24	-4.60	91.62	104.03	-102.23	76.62	-16.39	12.94	47.29	43.22
		209	921.84	200.74	-4.04	92.68	104.03	-102.23	1.66	-125.71	-12.83	-111.22	40.45
		277	1586.01	86.46	-10.04	53.36	23.06	-45.81	193.77	-96.77	122.81	-25.81	124.83
340	9	384	1505.22	82.24	-4.21	43.60	34.43	-42.98	248.17	9.53	134.28	123.42	119.20
		377	618.12	178.03	-1.79	75.70	100.54	-89.05	73.89	-16.92	12.02	44.95	42.32
		209	841.86	176.73	-3.54	72.65	100.54	-89.05	2.95	-113.09	-12.20	-97.94	39.10
		277	1462.33	80.58	-5.60	40.55	34.43	-42.98	178.13	-87.54	110.06	-19.46	115.98
340	10	384	1502.26	73.75	-8.56	44.76	20.44	-39.32	249.04	11.21	137.31	122.94	118.69
		377	605.87	177.75	-3.60	80.37	93.78	-90.42	71.94	-15.53	12.54	43.87	40.83
		209	847.55	177.74	-3.60	80.36	93.78	-90.42	2.40	-115.72	-11.46	-101.86	38.01
		277	1465.16	73.74	-8.56	44.75	20.44	-39.32	179.64	-89.12	113.31	-22.78	115.88
340	11	384	1498.56	77.96	-0.17	42.14	35.65	-38.93	248.07	9.55	134.66	122.97	119.12
		377	616.96	185.29	1.99	77.93	109.36	-90.29	73.78	-16.71	12.43	44.63	42.28
		209	850.88	184.69	1.13	76.46	109.36	-90.29	3.35	-113.27	-11.75	-98.17	39.15
		277	1458.54	77.17	-0.85	40.67	35.65	-38.93	178.36	-87.72	110.48	-19.84	115.99
341	1	101	1035.23	271.33	2.61	219.91	54.02	-105.70	119.31	-40.14	-36.15	115.32	24.92
		441	1035.23	271.33	2.61	219.91	54.02	-105.70	119.31	-40.14	-36.15	115.32	24.92
		278	1035.23	271.33	2.61	219.91	54.02	-105.70	119.31	-40.14	-36.15	115.32	24.92
341	2	101	1056.78	308.91	3.31	250.21	62.01	-120.39	119.30	-39.36	-35.65	115.60	23.96
		441	1056.78	308.91	3.31	250.21	62.01	-120.39	119.30	-39.36	-35.65	115.60	23.96
		278	1056.78	308.91	3.31	250.21	62.01	-120.39	119.30	-39.36	-35.65	115.60	23.96
341	3	101	1055.25	278.41	1.23	226.05	53.58	-108.49	124.01	-37.23	-32.80	119.58	26.36
		441	1055.25	278.41	1.23	226.05	53.58	-108.49	124.01	-37.23	-32.80	119.58	26.36
		278	1055.25	278.41	1.23	226.05	53.58	-108.49	124.01	-37.23	-32.80	119.58	26.36
341	4	101	1064.19	255.32	3.17	206.66	51.83	-99.51	128.30	-39.16	-35.75	124.90	23.64
		441	1064.19	255.32	3.17	206.66	51.83	-99.51	128.30	-39.16	-35.75	124.90	23.64
		278	1064.19	255.32	3.17	206.66	51.83	-99.51	128.30	-39.16	-35.75	124.90	23.64
341	5	101	1071.88	292.61	3.47	236.84	59.24	-114.08	123.24	-40.64	-36.82	119.42	24.71
		441	1071.88	292.61	3.47	236.84	59.24	-114.08	123.24	-40.64	-36.82	119.42	24.71
		278	1071.88	292.61	3.47	236.84	59.24	-114.08	123.24	-40.64	-36.82	119.42	24.71
341	6	101	1043.69	287.80	3.51	232.83	58.48	-112.27	118.94	-39.94	-35.78	114.78	25.37
		441	1043.69	287.80	3.51	232.83	58.48	-112.27	118.94	-39.94	-35.78	114.78	25.37
		278	1043.69	287.80	3.51	232.83	58.48	-112.27	118.94	-39.94	-35.78	114.78	25.37
341	7	101	1017.80	251.77	2.72	203.76	50.72	-98.24	118.42	-40.08	-35.52	113.87	26.49
		441	1017.80	251.77	2.72	203.76	50.72	-98.24	118.42	-40.08	-35.52	113.87	26.49
		278	1017.80	251.77	2.72	203.76	50.72	-98.24	118.42	-40.08	-35.52	113.87	26.49
341	8	101	814.63	216.85	0.81	176.13	41.52	-84.49	95.78	-28.37	-24.99	92.41	20.20
		441	814.63	216.85	0.81	176.13	41.52	-84.49	95.78	-28.37	-24.99	92.41	20.20
		278	814.63	216.85	0.81	176.13	41.52	-84.49	95.78	-28.37	-24.99	92.41	20.20
341	9	101	732.91	189.20	1.88	153.29	37.78	-73.73	84.69	-28.53	-25.59	81.75	18.00
		441	732.91	189.20	1.88	153.29	37.78	-73.73	84.69	-28.53	-25.59	81.75	18.00
		278	732.91	189.20	1.88	153.29	37.78	-73.73	84.69	-28.53	-25.59	81.75	18.00
341	10	101	744.05	193.13	1.11	156.70	37.54	-75.28	87.31	-26.92	-23.73	84.12	18.80
		441	744.05	193.13	1.11	156.70	37.54	-75.28	87.31	-26.92	-23.73	84.12	18.80
		278	744.05	193.13	1.11	156.70	37.54	-75.28	87.31	-26.92	-23.73	84.12	18.80
341	11	101	737.60	198.35	2.38	160.46	40.27	-77.39	84.49	-28.42	-25.39	81.45	18.25
		441	737.60	198.35	2.38	160.46	40.27	-77.39	84.49	-28.42	-25.39	81.45	18.25
		278	737.60	198.35	2.38	160.46	40.27	-77.39	84.49	-28.42	-25.39	81.45	18.25
342	1	377	575.02	257.71	-5.79	80.70	171.23	-123.73	58.46	-32.22	-24.15	50.39	25.83
		441	573.07	263.86	-9.95	85.53	168.38	-130.49	23.95	-48.21	-43.77	19.51	-17.34
		101	886.10	271.45	-2.33	91.44	177.68	-129.92	-112.12	-123.83	-112.30	-123.65	1.45
		209	962.98	253.36	-7.05	84.38	161.94	-124.29	-48.10	-137.35	-92.68	-92.76	44.62
342	2	377	591.53	293.22	-5.48	90.13	197.61	-139.34	59.21	-32.10	-24.39	51.50	25.39
		441	613.57	301.18	-10.66	96.45	194.06	-148.08	24.87	-48.92	-44.41	20.36	-17.68
		101	909.48	310.84	-1.32	103.50	206.02	-147.42	-112.50	-122.46	-112.54	-122.42	0.62
		209	984.08	287.24	-7.29	94.30	185.65	-140.00	-48.20	-135.59	-92.51	-91.28	43.69
342	3	377	551.77	257.74	-6.30	84.26	167.18	-125.34	56.52	-28.47	-21.11	49.16	23.90

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		441	585.02	267.52	-12.28	91.63	163.61	-135.19	24.63	-48.45	-42.62	18.80	-19.81
		101	891.24	277.65	-3.11	97.65	176.89	-134.67	-110.33	-125.77	-110.35	-125.75	0.57
		209	959.98	250.71	-9.72	87.09	153.89	-125.86	-47.71	-136.52	-88.84	-95.38	44.28
342	4	377	595.85	245.02	-9.94	79.65	155.43	-121.72	63.18	-32.75	-25.31	55.74	25.65
		441	594.86	246.95	-11.52	81.14	154.29	-123.95	31.50	-47.80	-43.15	26.85	-18.63
		101	871.85	249.72	-8.27	83.99	157.45	-123.66	-112.61	-122.90	-115.00	-120.51	4.35
		209	990.82	244.02	-9.99	81.75	152.28	-122.01	-45.67	-143.10	-97.16	-91.61	48.63
342	5	377	610.05	279.36	-8.86	90.97	179.52	-137.14	61.00	-33.19	-25.15	52.97	26.31
		441	603.54	283.96	-11.06	94.43	178.47	-141.40	26.51	-48.85	-44.38	22.05	-17.79
		101	907.40	287.70	-8.88	94.83	183.99	-141.43	-114.51	-124.90	-115.02	-124.39	2.25
		209	1005.28	275.41	-11.37	90.04	174.01	-137.11	-48.26	-140.99	-95.79	-93.47	46.35
342	6	377	583.67	271.95	-7.11	87.20	177.64	-132.00	57.91	-31.70	-23.58	49.79	25.73
		441	580.69	279.19	-10.65	92.68	175.86	-138.82	23.45	-47.74	-43.17	18.88	-17.44
		101	896.11	285.34	-6.82	93.79	184.74	-138.82	-111.55	-124.39	-111.70	-124.25	1.34
		209	975.43	265.78	-10.85	86.17	168.76	-132.00	-48.20	-137.24	-92.11	-93.34	44.51
342	7	377	547.76	232.99	-4.17	72.76	156.06	-111.03	56.47	-31.07	-22.75	48.15	25.68
		441	542.27	243.07	-10.00	80.55	152.52	-121.31	22.01	-47.14	-42.34	17.22	-17.56
		101	879.45	253.52	-1.19	86.03	166.30	-120.86	-110.93	-126.29	-111.04	-126.18	1.26
		209	939.68	225.05	-7.85	74.93	142.28	-111.48	-48.81	-137.89	-91.44	-95.25	44.50
342	8	377	424.67	200.81	-4.98	65.94	129.88	-97.80	43.43	-21.72	-16.17	37.88	18.18
		441	454.31	208.31	-9.59	71.59	127.13	-105.36	19.19	-37.42	-32.85	14.61	-15.43
		101	686.46	216.09	-2.52	76.25	137.32	-104.95	-84.82	-96.60	-84.83	-96.58	0.36
		209	739.92	195.46	-7.61	68.16	119.69	-98.21	-36.66	-104.81	-68.15	-73.32	33.98
342	9	377	404.38	178.72	-3.90	55.90	118.91	-85.71	41.29	-22.68	-16.87	35.48	18.38
		441	401.58	183.68	-7.12	59.79	116.78	-91.04	16.69	-34.03	-30.83	13.49	-12.34
		101	628.50	189.52	-1.51	63.95	124.07	-90.66	-79.46	-88.46	-79.58	-88.34	1.03
		209	680.68	175.09	-5.16	58.31	111.62	-86.09	-34.23	-97.75	-65.63	-66.35	31.76
342	10	377	391.47	178.72	-4.18	57.89	116.66	-86.60	40.21	-20.59	-15.18	34.79	17.31
		441	408.17	185.71	-8.41	63.18	114.12	-93.66	17.07	-34.17	-30.19	13.09	-13.71
		101	631.38	192.95	-1.93	67.40	123.63	-93.30	-78.47	-89.54	-78.50	-89.51	0.55
		209	679.01	173.61	-6.64	59.82	107.15	-86.96	-34.01	-97.29	-63.49	-67.81	31.57
342	11	377	409.15	186.63	-4.63	59.52	122.47	-90.30	40.98	-22.39	-16.55	35.14	18.33
		441	405.81	192.20	-7.51	63.76	120.93	-95.68	16.41	-33.77	-30.50	13.14	-12.40
		101	634.04	197.23	-4.00	65.25	127.99	-95.60	-79.15	-88.78	-79.25	-88.68	0.97
		209	687.60	181.99	-7.27	59.31	115.41	-90.38	-34.28	-97.69	-65.30	-66.67	31.70
343	1	442	975.55	360.21	7.18	110.40	257.00	-160.57	104.87	-4.84	4.86	95.17	-31.15
		443	998.14	352.98	7.17	108.01	252.14	-157.17	102.66	-28.09	-24.44	99.00	-21.54
		366	1024.99	345.40	-12.73	80.53	252.14	-157.17	126.21	17.17	21.71	121.67	-21.77
		447	1034.76	352.61	-12.69	82.91	257.00	-160.57	130.26	38.58	51.00	117.83	-31.38
343	2	442	1007.62	369.30	6.94	114.03	262.21	-165.34	108.85	-5.81	3.53	99.51	-31.35
		443	1036.24	365.93	6.94	112.92	259.95	-163.75	106.75	-29.99	-26.52	103.28	-21.52
		366	1062.73	358.39	-12.46	85.98	259.95	-163.75	130.82	16.37	20.75	126.44	-21.95
		447	1067.39	361.74	-12.44	87.09	262.21	-165.34	134.72	38.76	50.80	122.68	-31.79
343	3	442	972.91	320.40	7.07	97.58	229.90	-142.01	111.28	-3.30	7.22	100.76	-33.09
		443	1014.57	332.44	7.10	101.55	237.99	-147.68	107.76	-29.13	-25.23	103.87	-22.75
		366	1047.46	324.60	-13.82	72.80	237.99	-147.68	133.73	19.86	25.22	128.37	-24.12
		447	1045.52	312.62	-13.90	68.82	229.90	-142.01	139.73	43.20	57.68	125.25	-34.46
343	4	442	966.51	333.93	6.59	104.14	236.38	-149.72	107.60	-4.15	6.70	96.75	-33.10
		443	990.17	332.35	6.59	103.62	235.32	-148.98	105.20	-25.66	-21.20	100.73	-23.76
		366	1015.23	324.74	-12.89	76.52	235.32	-148.98	127.56	17.65	23.05	122.16	-23.76
		447	1021.00	326.31	-12.88	77.05	236.38	-149.72	131.74	37.39	50.95	118.18	-33.10
343	5	442	968.63	344.18	6.58	105.58	245.18	-153.70	106.37	-4.46	5.51	96.39	-31.72
		443	1002.69	351.88	6.59	108.12	250.34	-157.32	103.97	-27.16	-23.27	100.08	-22.25
		366	1029.98	344.62	-12.17	82.11	250.34	-157.32	127.16	17.22	22.09	122.30	-22.61
		447	1027.10	336.96	-12.21	79.57	245.18	-153.70	131.39	38.09	50.87	118.61	-32.08
343	6	442	931.06	315.30	6.07	96.03	225.34	-140.45	104.81	-4.15	5.43	95.24	-30.85
		443	973.03	327.61	6.09	100.09	233.60	-146.24	102.37	-27.71	-24.13	98.79	-21.27
		366	998.68	320.96	-11.23	76.12	233.60	-146.24	125.90	17.59	22.17	121.32	-21.79
		447	991.20	308.70	-11.30	72.06	225.34	-140.45	130.29	39.20	51.72	117.77	-31.37
343	7	442	896.62	287.05	6.02	86.87	206.20	-127.22	103.54	-3.58	6.26	93.71	-30.93
		443	937.52	296.68	6.04	90.05	212.67	-131.75	100.93	-27.03	-23.38	97.27	-21.32
		366	962.92	290.15	-11.39	66.09	212.67	-131.75	124.60	18.35	23.05	119.90	-21.84
		447	958.09	280.56	-11.45	62.91	206.20	-127.22	129.25	39.77	52.69	116.34	-31.45
343	8	442	754.98	249.84	5.52	76.14	179.22	-110.75	86.18	-2.55	5.59	78.04	-25.62
		443	787.12	259.28	5.54	79.26	185.56	-115.20	83.38	-22.64	-19.62	80.36	-17.63
		366	812.73	253.15	-10.79	56.79	185.56	-115.20	103.48	15.28	19.47	99.29	-18.75
		447	811.42	243.75	-10.86	53.68	179.22	-110.75	108.22	33.43	44.68	96.96	-26.74
343	9	442	680.58	244.01	4.94	74.61	174.34	-108.64	74.36	-3.21	3.71	67.44	-22.11
		443	699.37	241.46	4.93	73.77	172.63	-107.44	72.74	-19.73	-17.14	70.15	-15.25
		366	718.58	236.23	-8.88	54.72	172.63	-107.44	89.56	12.50	15.74	86.32	-15.46
		447	723.32	238.76	-8.86	55.56	174.34	-108.64	92.52	27.68	36.60	83.61	-22.32
343	10	442	679.13	221.90	4.87	67.49	159.28	-98.33	77.92	-2.35	5.02	70.54	-23.19

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		443	708.53	230.06	4.89	70.18	164.76	-102.17	75.57	-20.30	-17.58	72.85	-15.92
		366	731.07	224.67	-9.48	50.43	164.76	-102.17	93.73	14.00	17.69	90.04	-16.76
		447	729.33	216.55	-9.54	47.73	159.28	-98.33	97.78	30.25	40.30	87.73	-24.04
343	11	442	655.88	219.06	4.31	66.63	156.75	-97.46	74.33	-2.82	4.03	67.48	-21.95
		443	685.45	227.37	4.33	69.37	162.33	-101.37	72.58	-19.52	-16.97	70.03	-15.10
		366	703.98	222.65	-8.04	52.27	162.33	-101.37	89.39	12.73	16.00	86.12	-15.47
		447	699.15	214.37	-8.09	49.53	156.75	-97.46	92.54	28.03	36.99	83.57	-22.32
344	1	447	791.93	257.69	4.03	66.56	195.16	-109.32	96.12	14.85	34.40	76.57	-34.73
		366	761.82	321.77	4.46	87.81	238.41	-139.65	83.97	18.49	24.56	77.90	-18.99
		395	790.89	316.38	-11.69	66.27	238.41	-139.65	90.45	28.67	41.45	77.66	-25.03
		448	834.60	252.71	-12.53	45.02	195.16	-109.32	106.47	21.16	51.29	76.34	-40.77
344	2	447	821.21	268.81	3.98	70.72	202.07	-114.98	99.17	14.76	33.67	80.25	-35.20
		366	795.43	338.49	4.39	93.82	249.06	-147.92	87.19	17.82	23.52	81.49	-19.05
		395	824.04	333.11	-11.25	72.81	249.06	-147.92	93.44	28.68	40.87	81.25	-25.31
		448	863.81	263.82	-12.03	49.71	202.07	-114.98	109.44	21.59	51.02	80.01	-41.46
344	3	447	792.80	216.78	3.70	52.43	168.05	-89.50	103.69	16.23	39.67	80.26	-38.73
		366	763.59	300.07	4.46	80.13	224.40	-129.00	88.12	20.60	27.74	80.98	-20.76
		395	806.75	294.67	-12.44	57.82	224.40	-129.00	97.71	31.76	47.46	82.01	-28.09
		448	852.98	212.07	-13.90	30.13	168.05	-89.50	117.69	22.99	59.40	81.29	-46.06
344	4	447	785.56	239.01	4.11	61.87	181.25	-101.15	97.86	14.10	34.21	77.75	-35.77
		366	767.95	305.70	4.56	83.99	226.26	-132.71	87.32	18.68	26.07	79.93	-21.28
		395	786.96	299.56	-14.01	59.28	226.26	-132.71	92.01	27.47	41.07	78.41	-26.32
		448	815.67	233.39	-14.98	37.16	181.25	-101.15	105.71	19.73	49.21	76.23	-40.82
344	5	447	788.69	247.23	4.32	64.35	187.20	-104.78	97.17	14.44	34.08	77.53	-35.20
		366	771.94	320.81	4.79	88.75	236.85	-139.58	85.79	18.48	25.03	79.24	-19.95
		395	796.76	314.79	-13.13	64.81	236.85	-139.58	91.44	28.12	41.12	78.44	-25.58
		448	825.76	241.73	-14.12	40.41	187.20	-104.78	106.39	20.52	50.17	76.73	-40.83
344	6	447	756.09	223.41	4.00	57.48	169.93	-94.20	95.86	14.94	34.79	76.00	-34.82
		366	735.59	298.84	4.51	82.51	220.85	-129.90	83.38	18.85	24.98	77.25	-18.93
		395	765.91	293.24	-12.22	60.17	220.85	-129.90	90.09	28.88	41.96	77.01	-25.09
		448	800.42	218.37	-13.29	35.15	169.93	-94.20	106.47	21.06	51.77	75.77	-40.98
344	7	447	723.25	195.89	3.64	48.37	151.16	-81.23	95.03	15.18	35.72	74.49	-34.91
		366	699.59	268.60	4.26	72.54	200.32	-115.70	82.12	19.47	25.88	75.71	-18.98
		395	730.65	263.29	-12.27	50.69	200.32	-115.70	89.18	29.21	42.91	75.49	-25.18
		448	769.06	191.23	-13.53	26.53	151.16	-81.23	105.99	21.02	52.74	74.26	-41.10
344	8	447	616.06	169.21	2.86	40.94	131.13	-69.89	80.42	12.54	30.78	62.17	-30.09
		366	593.03	234.01	3.45	62.49	174.97	-100.63	68.21	15.83	21.39	62.65	-16.13
		395	627.26	229.85	-9.56	45.32	174.97	-100.63	75.80	24.52	36.78	63.54	-21.87
		448	663.55	165.58	-10.68	23.77	131.13	-69.89	91.43	17.81	46.17	63.07	-35.83
344	9	447	551.51	172.78	2.80	44.19	131.38	-72.96	68.17	10.65	24.70	54.12	-24.72
		366	531.23	219.78	3.14	59.79	163.12	-95.21	59.44	13.40	17.75	55.08	-13.47
		395	552.14	215.96	-8.42	44.42	163.12	-95.21	64.13	20.57	29.78	54.92	-17.78
		448	582.26	169.28	-9.08	28.82	131.38	-72.96	75.62	15.06	36.73	53.96	-29.03
344	10	447	552.00	150.06	2.61	36.35	116.32	-61.94	72.38	11.41	27.63	56.17	-26.94
		366	532.22	207.72	3.14	55.53	155.34	-89.30	61.75	14.57	19.52	56.80	-14.46
		395	560.97	203.90	-8.84	39.72	155.34	-89.30	68.17	22.29	33.12	57.34	-19.48
		448	592.51	146.73	-9.86	20.55	116.32	-61.94	81.86	16.08	41.23	56.71	-31.97
344	11	447	531.61	153.74	2.78	39.15	117.36	-64.56	68.03	10.69	24.91	53.80	-24.77
		366	516.66	207.04	3.17	56.85	153.36	-89.79	59.11	13.60	17.99	54.72	-13.44
		395	538.28	203.11	-8.72	41.03	153.36	-89.79	63.93	20.69	30.06	54.56	-17.82
		448	563.30	150.21	-9.51	23.34	117.36	-64.56	75.63	15.00	36.99	53.64	-29.15
345	1	882	504.21	14.76	1.60	2.00	14.36	-2.26	82.54	-1.86	58.13	22.56	38.27
		536	335.83	17.91	2.13	3.21	16.83	-3.99	32.86	-29.17	30.69	-26.99	11.42
		275	996.20	17.49	-7.34	-6.68	16.83	-3.99	54.97	-130.49	-39.88	-35.65	-92.71
		29	705.83	14.58	-8.12	-7.90	14.36	-2.26	67.89	-66.42	-12.43	13.90	-65.86
345	2	882	483.82	9.58	-0.87	-0.83	9.54	0.67	79.72	-1.67	56.28	21.78	36.86
		536	326.88	18.53	1.51	2.89	17.14	-4.65	31.96	-28.17	29.85	-26.05	11.07
		275	965.57	18.11	-5.15	-4.18	17.14	-4.65	54.45	-125.41	-37.62	-33.34	-89.90
		29	681.66	9.57	-7.93	-7.91	9.54	0.67	67.05	-63.74	-11.19	14.49	-64.12
345	3	882	480.91	7.59	-3.55	-2.85	6.90	2.70	79.06	-1.62	56.03	21.41	36.44
		536	326.72	20.30	1.15	2.87	18.57	-5.48	31.63	-28.14	29.61	-26.12	10.80
		275	961.30	19.90	-3.99	-2.66	18.57	-5.48	54.42	-124.50	-37.02	-33.06	-89.44
		29	677.98	7.36	-8.85	-8.38	6.90	2.70	66.96	-63.08	-10.60	14.48	-63.80
345	4	882	491.10	4.39	-28.09	-16.35	-7.34	15.60	79.01	-1.07	55.17	22.77	36.62
		536	330.31	29.62	-1.96	0.54	27.13	-8.53	32.02	-26.34	29.65	-23.97	11.53
		275	945.62	30.12	2.83	5.82	27.13	-8.53	53.76	-121.63	-36.76	-31.11	-87.65
		29	691.14	6.51	-24.92	-11.07	-7.34	15.60	66.18	-61.79	-11.24	15.63	-62.56
345	5	882	488.46	7.72	-6.82	-5.20	6.09	4.58	80.00	-1.75	56.06	22.20	37.20
		536	332.94	22.65	0.44	2.10	20.98	-5.85	32.70	-27.71	30.31	-25.32	11.77
		275	961.42	22.41	-2.96	-1.53	20.98	-5.85	54.58	-124.33	-37.37	-32.38	-89.42
		29	684.77	7.38	-10.12	-8.83	6.09	4.58	67.14	-63.61	-11.62	15.14	-63.99
345	6	882	504.36	19.24	2.49	3.66	18.07	-4.28	82.14	-1.93	58.12	22.09	37.98

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		536	337.31	18.69	2.41	3.46	17.65	-3.98	32.82	-29.41	30.73	-27.31	11.23
		275	995.20	18.26	-8.49	-7.88	17.65	-3.98	55.11	-130.20	-39.41	-35.67	-92.64
		29	709.53	18.76	-8.37	-7.68	18.07	-4.28	67.98	-66.27	-12.02	13.73	-65.88
345	7	882	483.01	16.42	1.75	2.33	15.84	-2.86	79.14	-1.35	56.05	21.73	36.40
		536	323.42	18.55	2.09	3.14	17.50	-4.02	31.71	-27.81	29.71	-25.81	10.74
		275	960.25	18.15	-7.59	-6.94	17.50	-4.02	54.20	-124.80	-37.38	-33.23	-89.47
		29	685.28	16.18	-8.10	-7.76	15.84	-2.86	66.69	-63.41	-11.04	14.31	-63.80
345	8	882	373.36	5.57	-3.04	-2.38	4.91	2.30	61.18	-1.56	43.17	16.46	28.39
		536	252.73	15.70	0.87	2.24	14.33	-4.29	24.35	-21.88	22.74	-20.27	8.49
		275	739.24	15.39	-2.96	-1.89	14.33	-4.29	40.88	-96.48	-29.23	-26.37	-68.66
		29	518.59	5.35	-6.95	-6.51	4.91	2.30	50.47	-48.92	-8.80	10.36	-48.76
345	9	882	351.28	10.24	0.96	1.18	10.02	-1.41	57.71	-0.93	40.90	15.89	26.52
		536	235.46	12.91	1.43	2.21	12.13	-2.89	23.14	-20.28	21.68	-18.83	7.82
		275	702.42	12.61	-5.04	-4.55	12.13	-2.89	40.00	-91.03	-27.10	-23.93	-65.50
		29	501.22	10.15	-5.71	-5.59	10.02	-1.41	49.17	-46.27	-7.89	10.79	-46.79
345	10	882	337.65	6.11	-1.75	-1.52	5.87	1.34	55.78	-0.80	39.73	15.25	25.50
		536	230.40	14.23	0.89	2.02	13.10	-3.72	22.46	-19.72	21.09	-18.35	7.47
		275	683.08	13.95	-3.17	-2.32	13.10	-3.72	39.70	-87.70	-25.52	-22.49	-63.68
		29	484.13	6.02	-6.01	-5.86	5.87	1.34	48.64	-44.41	-6.87	11.11	-45.65
345	11	882	351.35	12.69	1.49	2.10	12.08	-2.54	57.49	-0.97	40.89	15.63	26.36
		536	236.29	13.34	1.59	2.35	12.58	-2.89	23.12	-20.42	21.71	-19.01	7.71
		275	701.86	13.04	-5.67	-5.22	12.58	-2.89	40.08	-90.87	-26.85	-23.94	-65.46
		29	503.29	12.44	-5.82	-5.46	12.08	-2.54	49.22	-46.18	-7.66	10.69	-46.81
346	1	535	941.40	76.97	-36.58	-14.54	54.93	-44.91	150.02	1.62	113.49	38.15	-63.93
		537	1016.40	-18.38	-53.10	-51.33	-20.15	7.64	168.76	14.09	143.14	39.71	-57.50
		276	1053.44	104.84	-20.62	104.37	-20.15	7.64	133.08	-55.68	76.36	1.04	-86.54
		144	1117.26	160.30	35.79	141.16	54.93	-44.91	119.01	-72.83	46.71	-0.52	-92.97
346	2	535	912.36	68.29	-41.27	-23.45	50.47	-40.43	146.75	0.99	111.33	36.42	-62.52
		537	1009.35	-23.62	-69.42	-62.93	-30.10	15.97	164.07	12.01	138.83	37.26	-56.58
		276	1038.16	108.20	-31.94	106.36	-30.10	15.97	133.40	-53.68	76.74	2.98	-85.96
		144	1105.25	160.67	35.63	145.84	50.47	-40.43	120.56	-69.18	49.24	2.14	-91.90
346	3	535	910.93	68.18	-39.56	-21.51	50.14	-40.23	146.35	0.93	111.03	36.26	-62.36
		537	1004.33	-22.85	-66.41	-60.28	-28.98	15.15	163.70	12.06	138.60	37.16	-56.36
		276	1034.40	104.58	-30.70	102.86	-28.98	15.15	133.13	-53.40	76.65	3.09	-85.71
		144	1101.17	156.80	34.96	141.63	50.14	-40.23	120.29	-69.03	49.07	2.18	-91.71
346	4	535	898.93	75.96	-28.95	-5.30	52.30	-43.84	142.74	2.77	107.83	37.68	-60.56
		537	945.61	-3.66	-33.63	-33.02	-4.27	-4.24	161.06	14.69	136.80	38.94	-54.43
		276	1016.95	94.99	-4.45	94.81	-4.27	-4.24	126.17	-54.82	70.65	0.70	-83.46
		144	1066.36	143.58	31.25	122.53	52.30	-43.84	112.61	-71.49	41.68	-0.56	-89.60
346	5	535	928.83	77.34	-21.75	4.14	51.45	-43.53	146.57	1.68	111.58	36.67	-62.01
		537	957.95	4.22	-23.32	-20.42	1.33	-8.44	164.29	12.44	139.80	36.93	-55.85
		276	1073.55	80.12	0.43	79.22	1.33	-8.44	136.15	-55.37	76.50	4.28	-88.69
		144	1121.01	128.40	26.83	103.78	51.45	-43.53	123.54	-71.25	48.28	4.02	-94.85
346	6	535	971.29	86.71	-19.04	11.53	56.14	-47.94	151.33	0.31	114.79	36.85	-64.68
		537	988.43	15.00	-19.45	-12.18	7.73	-14.06	170.40	13.63	145.17	38.86	-57.62
		276	1078.70	80.37	5.01	77.65	7.73	-14.06	136.58	-54.18	79.80	2.60	-87.22
		144	1125.98	131.76	25.74	101.37	56.14	-47.94	122.40	-72.39	49.42	0.59	-94.28
346	7	535	935.57	83.33	-20.44	8.27	54.62	-46.42	146.18	0.88	110.44	36.62	-62.58
		537	950.70	9.22	-21.29	-16.38	4.32	-11.21	164.65	13.94	139.93	38.65	-55.80
		276	1035.17	80.44	2.67	78.79	4.32	-11.21	130.88	-52.43	75.98	2.47	-83.96
		144	1083.90	131.47	26.59	103.44	54.62	-46.42	117.08	-70.14	46.49	0.44	-90.73
346	8	535	697.45	52.07	-32.05	-18.60	38.63	-30.83	112.29	0.67	85.52	27.43	-47.66
		537	776.37	-18.79	-55.56	-49.64	-24.71	13.51	125.77	9.00	106.69	28.08	-43.18
		276	791.78	83.01	-26.41	81.31	-24.71	13.51	101.19	-41.86	58.37	0.96	-65.51
		144	842.78	123.54	27.44	112.35	38.63	-30.83	91.14	-53.63	37.20	0.31	-69.99
346	9	535	669.07	54.73	-23.53	-7.32	38.52	-31.72	106.29	1.10	80.07	27.32	-45.51
		537	712.64	-10.58	-31.99	-31.58	-10.99	2.94	119.32	10.12	100.98	28.45	-40.82
		276	749.74	70.17	-11.10	70.07	-10.99	2.94	95.69	-38.31	54.86	2.52	-61.68
		144	794.67	108.67	24.17	94.32	38.52	-31.72	86.00	-50.67	33.94	1.38	-66.37
346	10	535	652.13	49.77	-25.10	-11.19	35.86	-29.12	104.25	0.72	78.70	26.27	-44.64
		537	705.94	-13.69	-38.76	-36.55	-15.90	7.11	116.51	8.99	98.46	27.04	-40.19
		276	739.11	69.81	-16.49	69.22	-15.90	7.11	95.72	-37.05	55.02	3.65	-61.22
		144	785.70	106.57	23.86	94.58	35.86	-29.12	86.70	-48.56	35.26	2.89	-65.67
346	11	535	685.61	60.22	-13.86	7.17	39.19	-33.40	107.02	0.37	80.79	26.60	-45.92
		537	695.26	8.93	-14.26	-9.83	4.50	-9.12	120.23	9.86	102.11	27.98	-40.88
		276	764.20	56.81	2.91	55.22	4.50	-9.12	97.63	-37.48	56.77	3.38	-62.06
		144	799.66	92.97	18.44	72.22	39.19	-33.40	87.87	-50.43	35.45	2.00	-67.10
347	1	533	1023.03	12.62	-60.09	-13.42	-34.05	34.86	153.99	-23.57	151.88	-21.46	19.25
		882	323.10	16.96	11.42	11.53	16.85	-0.77	-26.12	-59.57	-32.80	-52.89	-13.37
		29	1065.48	16.87	-17.52	-17.50	16.85	-0.77	201.89	117.36	196.70	122.55	20.29
		142	2087.31	-3.14	-73.36	-42.45	-34.05	34.86	393.09	142.28	381.38	153.98	52.91
347	2	533	990.75	12.32	-51.67	-8.66	-30.69	30.04	149.15	-22.49	147.14	-20.48	18.48

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		882	309.24	12.32	9.69	11.52	10.49	1.21	-24.85	-57.46	-31.23	-51.08	-12.94
		29	1034.94	10.54	-20.48	-20.44	10.49	1.21	195.47	114.80	190.74	119.53	18.95
		142	2018.78	-5.21	-66.10	-40.62	-30.69	30.04	380.14	139.10	369.11	150.13	50.37
347	3	533	982.75	12.96	-46.17	-5.46	-27.75	27.39	148.01	-22.10	146.01	-20.10	18.33
		882	306.12	13.11	5.88	11.71	7.28	2.86	-24.45	-57.03	-30.75	-50.73	-12.87
		29	1026.85	7.55	-23.81	-23.55	7.28	2.86	193.43	113.96	189.01	118.38	18.21
		142	2000.81	-6.09	-62.38	-40.72	-27.75	27.39	376.51	138.27	365.77	149.00	49.41
347	4	533	983.64	20.39	-17.41	13.63	-10.64	14.49	147.60	-22.17	145.70	-20.27	17.85
		882	296.59	20.44	-15.97	14.11	-9.65	13.80	-23.70	-55.46	-30.12	-49.04	-12.75
		29	1053.39	-4.91	-49.85	-45.12	-9.65	13.80	195.79	114.12	190.00	119.91	20.96
		142	2018.22	-5.42	-50.84	-45.61	-10.64	14.49	377.45	137.06	365.82	148.68	51.57
347	5	533	1000.61	15.12	-38.92	-2.36	-21.44	25.28	150.34	-23.69	148.39	-21.75	18.28
		882	315.26	15.12	4.01	11.76	7.37	5.11	-25.10	-58.42	-31.72	-51.80	-13.30
		29	1054.98	8.10	-28.52	-27.79	7.37	5.11	198.48	115.90	193.08	121.31	20.43
		142	2047.82	-4.41	-58.95	-41.91	-21.44	25.28	384.78	139.77	373.19	151.35	52.00
347	6	533	1018.79	13.12	-61.72	-16.48	-32.12	36.59	153.85	-23.51	151.72	-21.38	19.34
		882	328.99	22.74	10.07	10.29	22.52	-1.66	-26.20	-60.06	-32.89	-53.36	-13.49
		29	1056.30	22.60	-14.84	-14.77	22.52	-1.66	200.56	116.97	195.80	121.73	19.38
		142	2079.27	0.06	-73.73	-41.54	-32.12	36.59	391.85	142.26	380.40	153.71	52.21
347	7	533	980.43	13.03	-57.31	-14.06	-30.22	34.23	148.35	-21.98	146.35	-19.98	18.34
		882	312.58	19.66	10.31	10.36	19.61	-0.66	-24.52	-57.14	-31.07	-50.60	-13.06
		29	1022.45	19.62	-16.33	-16.32	19.61	-0.66	193.77	113.85	189.22	118.41	18.52
		142	2003.65	-0.85	-70.11	-40.74	-30.22	34.23	377.54	138.12	366.64	149.02	49.92
347	8	533	760.54	9.97	-35.20	-3.85	-21.39	20.81	114.32	-17.38	112.69	-15.75	14.56
		882	236.49	10.15	3.98	9.10	5.03	2.32	-19.40	-44.16	-24.13	-39.43	-9.73
		29	791.56	5.26	-18.66	-18.43	5.03	2.32	149.16	86.96	145.52	90.60	14.60
		142	1546.79	-4.98	-47.79	-31.37	-21.39	20.81	290.91	105.72	282.34	114.28	38.89
347	9	533	715.45	9.05	-41.56	-9.19	-23.32	24.30	107.99	-16.11	106.61	-14.72	13.04
		882	226.18	11.89	8.01	8.04	11.86	-0.33	-17.66	-41.62	-22.50	-36.79	-9.61
		29	748.83	11.86	-12.61	-12.61	11.86	-0.33	141.74	83.59	138.43	86.91	13.49
		142	1461.47	-2.07	-51.10	-29.84	-23.32	24.30	275.38	101.13	267.53	108.98	36.15
347	10	533	693.11	9.21	-33.80	-4.77	-19.82	20.15	104.67	-15.29	103.35	-13.97	12.53
		882	216.80	9.22	5.47	8.14	6.55	1.69	-16.74	-40.21	-21.36	-35.59	-9.33
		29	727.50	6.67	-16.09	-15.97	6.55	1.69	137.05	81.69	134.15	84.59	12.33
		142	1413.44	-3.70	-45.00	-28.89	-19.82	20.15	266.17	98.90	258.86	106.21	34.20
347	11	533	713.07	9.32	-42.46	-10.90	-22.24	25.26	107.92	-16.08	106.52	-14.68	13.10
		882	229.44	15.10	7.27	7.36	15.01	-0.82	-17.70	-41.89	-22.55	-37.05	-9.68
		29	743.75	15.04	-11.11	-11.09	15.01	-0.82	141.01	83.36	137.92	86.45	12.98
		142	1457.03	-0.29	-51.30	-29.34	-22.24	25.26	274.69	101.12	266.98	108.83	35.76
348	1	536	349.73	14.37	-0.69	2.23	11.45	-5.95	35.83	-29.55	35.30	-29.03	5.83
		534	348.29	10.25	-0.83	0.83	8.59	-3.95	10.98	-50.63	10.47	-50.12	-5.59
		143	505.57	10.78	1.46	3.65	8.59	-3.95	55.57	-40.37	28.01	-12.81	-43.41
		275	453.10	15.01	1.49	5.05	11.45	-5.95	69.55	-8.42	52.84	8.28	-31.99
348	2	536	338.96	15.52	-0.53	2.87	12.11	-6.56	34.66	-28.60	34.15	-28.09	5.66
		534	335.88	8.51	-0.76	0.49	7.26	-3.16	10.35	-49.08	9.86	-48.59	-5.39
		143	490.30	8.92	1.22	2.88	7.26	-3.16	54.73	-38.40	27.76	-11.43	-42.24
		275	443.49	16.09	1.28	5.26	12.11	-6.56	68.44	-7.31	52.05	9.07	-31.19
348	3	536	338.75	17.47	-0.45	3.57	13.45	-7.48	34.54	-28.53	34.06	-28.04	5.52
		534	334.83	7.71	-0.75	0.26	6.69	-2.75	10.41	-48.93	9.90	-48.42	-5.46
		143	488.33	8.05	1.09	2.45	6.69	-2.75	54.66	-38.21	27.79	-11.34	-42.11
		275	443.96	18.01	1.19	5.75	13.45	-7.48	68.30	-7.32	51.95	9.04	-31.13
348	4	536	333.86	26.82	-0.84	5.12	20.85	-11.38	33.97	-26.86	33.38	-26.27	5.98
		534	325.68	13.91	-1.25	0.74	11.92	-5.12	9.70	-47.12	9.24	-46.66	-5.07
		143	481.65	14.55	1.96	4.60	11.92	-5.12	53.58	-37.38	26.59	-10.39	-41.55
		275	439.06	27.75	2.08	8.98	20.85	-11.38	67.04	-6.31	50.73	10.00	-30.50
348	5	536	339.64	19.42	-0.71	3.48	15.23	-8.17	34.59	-28.25	33.99	-27.65	6.13
		534	333.50	11.37	-0.97	0.75	9.66	-4.27	9.61	-48.82	9.16	-48.37	-5.12
		143	488.21	11.92	1.60	3.87	9.66	-4.27	54.68	-37.71	27.74	-10.77	-41.99
		275	443.30	20.16	1.67	6.60	15.23	-8.17	68.67	-6.14	52.57	9.95	-30.74
348	6	536	351.10	14.78	-0.71	2.26	11.81	-6.10	35.79	-29.81	35.29	-29.32	5.67
		534	349.34	10.92	-0.84	0.95	9.13	-4.23	10.83	-50.84	10.30	-50.31	-5.72
		143	504.39	11.47	1.49	3.82	9.13	-4.23	55.83	-39.77	28.59	-12.53	-43.15
		275	454.08	15.42	1.52	5.13	11.81	-6.10	69.98	-7.94	53.58	8.46	-31.76
348	7	536	336.76	14.80	-0.73	2.22	11.84	-6.10	34.55	-28.27	34.08	-27.80	5.40
		534	335.35	11.13	-0.86	0.97	9.29	-4.31	10.54	-48.65	10.01	-48.12	-5.57
		143	490.13	11.69	1.53	3.93	9.29	-4.31	54.54	-38.24	27.67	-11.37	-42.08
		275	441.32	15.46	1.56	5.18	11.84	-6.10	68.12	-7.41	51.75	8.95	-31.12
348	8	536	261.33	13.57	-0.33	2.83	10.41	-5.83	26.52	-22.14	26.13	-21.75	4.35
		534	257.76	5.67	-0.57	0.15	4.94	-2.00	7.92	-37.75	7.54	-37.37	-4.12
		143	372.07	5.91	0.80	1.77	4.94	-2.00	41.31	-29.53	21.09	-9.30	-31.99
		275	337.88	13.97	0.88	4.45	10.41	-5.83	51.82	-5.83	39.67	6.32	-23.51
348	9	536	245.82	10.39	-0.49	1.62	8.28	-4.30	25.31	-20.61	24.96	-20.26	3.97

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		534	245.14	7.40	-0.60	0.60	6.20	-2.85	7.81	-35.56	7.43	-35.18	-4.04
		143	360.42	7.78	1.05	2.62	6.20	-2.85	40.11	-28.20	20.16	-8.25	-31.06
		275	324.15	10.85	1.07	3.64	8.28	-4.30	49.97	-5.61	37.69	6.67	-23.05
348	10	536	239.71	12.11	-0.36	2.36	9.39	-5.15	24.60	-20.04	24.27	-19.72	3.80
		534	237.66	5.99	-0.55	0.29	5.15	-2.19	7.50	-34.62	7.12	-34.24	-3.96
		143	350.87	6.26	0.85	1.96	5.15	-2.19	39.60	-27.00	20.04	-7.44	-30.34
		275	319.12	12.52	0.90	4.03	9.39	-5.15	49.28	-5.00	37.19	7.09	-22.58
348	11	536	246.58	10.62	-0.50	1.64	8.48	-4.39	25.29	-20.75	24.96	-20.42	3.88
		534	245.72	7.77	-0.60	0.67	6.50	-3.00	7.73	-35.68	7.34	-35.29	-4.11
		143	359.77	8.16	1.06	2.72	6.50	-3.00	40.25	-27.87	20.48	-8.10	-30.91
		275	324.67	11.08	1.09	3.69	8.48	-4.39	50.20	-5.34	38.10	6.76	-22.93
349	1	537	1127.68	-21.10	-75.57	-73.91	-22.75	9.35	189.72	29.34	178.47	40.58	-40.95
		883	1708.74	42.10	-56.51	-46.86	32.45	-29.29	298.74	55.09	298.60	55.23	-5.90
		26	1520.37	187.24	26.91	181.69	32.45	-29.29	156.83	-111.19	85.47	-39.82	-118.46
		276	1646.50	155.14	-23.24	154.64	-22.75	9.35	109.27	-198.40	-34.66	-54.47	-153.52
349	2	537	1121.92	-25.28	-95.26	-90.03	-30.51	18.40	185.01	27.69	174.02	38.68	-40.11
		883	1670.95	50.44	-64.50	-55.01	40.95	-31.62	289.42	52.11	289.25	52.28	-6.44
		26	1500.68	197.56	34.57	191.18	40.95	-31.62	155.49	-107.45	85.09	-37.04	-116.43
		276	1621.70	157.96	-32.30	156.16	-30.51	18.40	110.06	-190.84	-30.15	-50.64	-150.10
349	3	537	1115.46	-24.53	-92.32	-87.40	-29.45	17.58	184.26	27.41	173.25	38.43	-40.08
		883	1660.74	46.10	-63.11	-54.57	37.56	-29.33	287.91	51.89	287.73	52.07	-6.53
		26	1487.81	191.32	31.96	185.73	37.56	-29.33	155.30	-105.95	85.52	-36.17	-115.59
		276	1608.97	154.58	-31.12	152.90	-29.45	17.58	110.11	-188.89	-28.96	-49.81	-149.14
349	4	537	1055.88	-8.73	-55.13	-54.94	-8.93	-2.99	181.13	29.06	170.48	39.70	-38.80
		883	1625.12	4.14	-51.69	-49.57	2.02	-10.66	285.14	52.94	285.00	53.08	-5.74
		26	1434.99	157.03	1.29	156.30	2.02	-10.66	149.01	-108.62	79.58	-39.18	-114.31
		276	1565.64	150.99	-8.98	150.93	-8.93	-2.99	103.89	-191.39	-34.93	-52.56	-147.38
349	5	537	1063.19	-2.30	-36.17	-34.15	-4.32	-8.02	185.30	27.61	174.70	38.20	-39.47
		883	1630.86	8.38	-35.03	-30.27	3.61	-13.57	288.31	50.26	288.13	50.44	-6.59
		26	1476.38	130.58	2.16	129.13	3.61	-13.57	157.97	-109.11	85.49	-36.63	-118.76
		276	1614.15	125.74	-4.81	125.25	-4.32	-8.02	113.61	-190.42	-27.94	-48.87	-151.65
349	6	537	1080.15	7.48	-28.25	-21.08	0.31	-14.31	191.07	28.80	180.02	39.85	-40.88
		883	1671.18	11.94	-28.16	-19.58	3.36	-16.44	298.12	53.58	297.95	53.76	-6.47
		26	1492.83	125.84	1.15	123.64	3.36	-16.44	159.98	-109.66	88.65	-38.33	-118.93
		276	1644.14	123.80	-1.35	122.14	0.31	-14.31	113.01	-194.53	-29.28	-52.24	-153.34
349	7	537	1047.44	1.96	-31.46	-27.16	-2.33	-11.18	184.33	28.49	173.38	39.43	-39.82
		883	1617.49	13.38	-30.94	-23.24	5.68	-16.79	288.11	53.01	287.93	53.19	-6.39
		26	1441.44	129.83	3.41	127.56	5.68	-16.79	153.71	-105.84	84.74	-36.86	-114.65
		276	1583.74	124.62	-3.32	123.63	-2.33	-11.18	108.24	-188.67	-29.81	-50.61	-148.09
349	8	537	864.59	-19.98	-76.44	-71.77	-24.65	15.56	141.95	20.90	133.67	29.18	-30.55
		883	1287.93	37.90	-51.14	-44.41	31.17	-23.52	222.57	39.70	222.46	39.82	-4.59
		26	1147.49	152.38	26.61	147.81	31.17	-23.52	118.47	-82.60	65.23	-29.36	-88.72
		276	1242.43	122.10	-26.30	120.46	-24.65	15.56	83.19	-146.74	-23.56	-40.00	-114.67
349	9	537	787.85	-12.88	-46.42	-45.95	-13.34	3.92	133.71	20.81	125.55	28.97	-29.24
		883	1192.63	25.83	-36.38	-29.92	19.37	-18.98	209.38	38.95	209.25	39.08	-4.73
		26	1068.76	124.21	15.93	120.77	19.37	-18.98	112.11	-77.01	61.24	-26.14	-83.86
		276	1154.85	104.87	-13.47	104.74	-13.34	3.92	79.23	-137.94	-22.46	-36.25	-108.36
349	10	537	781.06	-15.18	-55.33	-53.45	-17.06	8.49	130.68	19.74	122.64	27.78	-28.75
		883	1165.94	28.01	-40.01	-34.20	22.21	-19.00	203.37	37.16	203.21	37.32	-5.09
		26	1050.70	126.47	18.74	123.01	22.21	-19.00	111.26	-74.10	61.27	-24.11	-82.26
		276	1134.14	104.36	-17.66	103.77	-17.06	8.49	79.70	-132.65	-19.30	-33.66	-105.93
349	11	537	761.34	3.67	-20.80	-16.60	-0.53	-9.22	134.46	20.51	126.41	28.57	-29.20
		883	1171.89	9.09	-20.65	-14.77	3.21	-11.84	209.04	38.11	208.89	38.26	-5.05
		26	1053.39	90.13	1.59	88.52	3.21	-11.84	113.85	-76.16	63.01	-25.32	-84.12
		276	1158.01	87.65	-1.50	86.69	-0.53	-9.22	81.30	-135.78	-19.47	-35.01	-108.26
350	1	883	1427.36	41.50	-44.80	-32.68	29.37	-29.99	209.39	-38.50	206.78	-35.88	-25.32
		533	1264.03	-34.64	-101.86	-76.48	-60.02	32.59	194.57	-17.58	194.14	-17.15	9.59
		142	1855.95	138.80	-65.36	133.46	-60.02	32.59	323.41	104.32	323.29	104.44	-5.12
		26	2032.47	183.11	23.52	177.26	29.37	-29.99	342.18	79.46	335.93	85.71	-40.03
350	2	883	1390.07	50.08	-44.36	-29.85	35.57	-34.06	203.47	-37.94	200.84	-35.30	-25.09
		533	1223.90	-33.54	-93.91	-73.65	-53.81	28.51	187.79	-17.47	187.41	-17.08	8.84
		142	1804.08	133.33	-58.15	128.98	-53.81	28.51	315.20	103.32	315.07	103.44	-5.15
		26	1984.64	180.77	27.58	172.78	35.57	-34.06	334.63	79.10	328.50	85.23	-39.08
350	3	883	1381.30	45.80	-43.64	-30.62	32.77	-31.54	202.26	-37.63	199.61	-34.98	-25.07
		533	1210.52	-32.10	-88.70	-71.05	-49.74	26.22	185.74	-17.19	185.38	-16.82	8.61
		142	1792.78	130.67	-53.55	126.86	-49.74	26.22	313.79	103.47	313.68	103.58	-4.91
		26	1974.36	174.32	25.74	167.29	32.77	-31.54	333.91	79.43	327.91	85.43	-38.59
350	4	883	1380.43	5.25	-57.34	-56.16	4.07	-8.50	200.40	-36.62	197.82	-34.04	-24.58
		533	1232.01	-25.40	-78.38	-73.16	-30.62	15.78	187.72	-16.14	187.32	-15.74	9.02
		142	1791.76	155.06	-31.96	153.72	-30.62	15.78	308.92	99.49	308.80	99.61	-4.99
		26	1934.44	171.15	3.64	170.72	4.07	-8.50	325.40	75.21	319.30	81.31	-38.59
350	5	883	1397.37	8.45	-42.49	-40.06	6.02	-10.87	204.46	-38.77	201.91	-36.22	-24.78

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		533	1235.93	-28.03	-80.48	-64.55	-43.97	24.12	189.27	-19.54	188.89	-19.16	8.93
		142	1801.11	128.48	-47.34	125.10	-43.97	24.12	315.42	101.64	315.17	101.88	-7.19
		26	1964.79	150.42	5.20	149.60	6.02	-10.87	334.88	78.12	328.19	84.81	-40.91
350	6	883	1425.60	10.34	-38.42	-34.83	6.75	-12.73	209.86	-39.15	207.23	-36.53	-25.42
		533	1248.08	-29.51	-96.92	-67.17	-59.25	33.47	192.89	-18.50	192.49	-18.10	9.25
		142	1849.57	126.76	-65.28	120.74	-59.25	33.47	324.76	105.45	324.64	105.58	-5.18
		26	2026.00	154.18	5.65	153.08	6.75	-12.73	345.53	81.00	339.38	87.15	-39.85
350	7	883	1374.45	12.30	-38.94	-35.01	8.37	-13.64	202.40	-37.10	199.77	-34.46	-24.97
		533	1206.31	-29.43	-93.33	-66.62	-56.15	31.52	186.72	-16.59	186.34	-16.21	8.74
		142	1787.28	126.18	-61.59	120.73	-56.15	31.52	313.36	102.60	313.25	102.71	-4.83
		26	1954.32	153.62	7.09	152.34	8.37	-13.64	332.66	78.47	326.68	84.45	-38.54
350	8	883	1068.34	37.71	-34.18	-23.47	27.00	-25.60	156.07	-29.48	154.11	-27.52	-18.97
		533	935.50	-24.99	-68.56	-55.39	-38.15	20.01	143.25	-13.67	142.94	-13.36	7.00
		142	1385.85	101.51	-41.02	98.64	-38.15	20.01	242.22	79.12	242.17	79.17	-3.03
		26	1526.25	136.54	21.02	130.56	27.00	-25.60	257.70	60.64	253.33	65.01	-29.00
350	9	883	1000.29	25.33	-30.70	-23.29	17.93	-18.98	147.14	-26.60	145.19	-24.65	-18.28
		533	884.89	-23.69	-70.31	-52.44	-41.56	22.66	136.53	-11.91	136.26	-11.64	6.27
		142	1301.08	96.07	-45.29	92.33	-41.56	22.66	227.33	74.41	227.21	74.54	-4.39
		26	1425.51	124.85	14.56	121.48	17.93	-18.98	240.81	56.85	236.14	61.52	-28.94
350	10	883	974.69	27.71	-30.05	-22.15	19.82	-19.84	143.18	-26.12	141.21	-24.15	-18.14
		533	855.15	-22.34	-62.93	-49.43	-35.85	19.12	131.63	-11.69	131.40	-11.46	5.73
		142	1266.08	91.54	-38.72	88.67	-35.85	19.12	221.99	73.93	221.86	74.06	-4.28
		26	1393.25	119.88	15.88	115.94	19.82	-19.84	236.21	56.84	231.68	61.37	-28.15
350	11	883	999.46	8.07	-27.20	-24.49	5.36	-9.39	147.40	-26.96	145.45	-25.01	-18.33
		533	876.03	-20.85	-67.56	-47.27	-41.13	23.15	135.60	-12.42	135.35	-12.17	6.09
		142	1297.56	89.38	-45.24	85.27	-41.13	23.15	228.08	75.04	227.95	75.17	-4.43
		26	1421.78	108.90	4.51	108.05	5.36	-9.39	242.67	57.71	238.05	62.32	-28.85
351	1	269	1527.07	66.45	-28.21	66.21	-27.97	4.75	176.28	-108.42	98.16	-30.30	-127.04
		425	1726.33	92.53	5.32	85.82	12.04	-23.25	132.19	-190.27	-16.40	-41.69	-160.73
		541	1123.66	33.12	-13.61	7.47	12.04	-23.25	196.47	28.23	185.32	39.39	-41.86
		545	1672.68	-10.82	-29.29	-12.13	-27.97	4.75	300.14	50.51	299.87	50.78	-8.17
351	2	269	1507.92	59.25	-28.84	58.76	-28.35	6.55	175.31	-107.02	96.15	-27.87	-126.82
		425	1703.00	83.40	4.52	77.67	10.24	-20.47	133.64	-185.58	-14.13	-37.81	-159.17
		541	1093.59	28.76	-12.39	6.12	10.24	-20.47	191.45	27.11	180.62	37.95	-40.78
		545	1626.52	-10.40	-30.74	-12.79	-28.35	6.55	291.19	47.60	290.89	47.89	-8.43
351	3	269	1459.68	77.78	-33.41	77.12	-32.74	8.58	167.08	-104.73	92.02	-29.67	-121.52
		425	1654.52	101.62	3.98	97.25	8.35	-20.19	124.28	-185.08	-19.57	-41.22	-154.30
		541	1065.12	24.11	-17.51	-1.75	8.35	-20.19	188.26	28.52	177.22	39.57	-40.53
		545	1614.88	-17.17	-37.47	-21.89	-32.74	8.58	289.07	50.87	288.81	51.12	-7.75
351	4	269	1479.22	69.71	-22.71	69.65	-22.65	2.35	170.97	-103.80	95.58	-28.40	-122.60
		425	1662.68	89.22	3.55	84.70	8.07	-19.15	128.33	-183.24	-15.25	-39.66	-155.31
		541	1081.77	24.27	-14.56	1.65	8.07	-19.15	190.29	27.47	179.24	38.52	-40.96
		545	1619.78	-12.84	-23.21	-13.40	-22.65	2.35	290.36	49.50	290.07	49.78	-8.26
351	5	269	1500.03	72.76	-20.61	72.72	-20.58	1.73	174.43	-103.82	97.41	-26.80	-124.49
		425	1673.47	88.75	2.19	85.48	5.46	-16.49	132.65	-182.00	-12.11	-37.25	-156.82
		541	1082.06	18.34	-15.66	-2.78	5.46	-16.49	191.01	26.91	180.02	37.90	-41.01
		545	1622.61	-15.00	-21.12	-15.54	-20.58	1.73	289.85	48.04	289.54	48.35	-8.68
351	6	269	1532.54	74.35	-24.31	74.27	-24.23	2.76	176.24	-108.44	98.04	-30.24	-127.07
		425	1722.45	95.57	4.25	90.64	9.18	-20.62	132.21	-190.25	-16.45	-41.59	-160.74
		541	1116.28	26.26	-15.71	1.38	9.18	-20.62	196.34	28.27	185.19	39.42	-41.83
		545	1675.43	-14.22	-24.99	-14.99	-24.23	2.76	299.94	50.50	299.67	50.77	-8.17
351	7	269	1471.84	65.90	-25.99	65.74	-25.83	3.79	169.71	-104.40	94.22	-28.91	-122.45
		425	1665.33	89.89	4.85	83.77	10.97	-21.97	127.04	-184.14	-16.90	-40.20	-155.15
		541	1082.30	30.71	-13.49	6.25	10.97	-21.97	189.65	27.92	178.61	38.96	-40.79
		545	1614.12	-10.82	-26.79	-11.78	-25.83	3.79	290.00	49.99	289.72	50.26	-8.08
351	8	269	1121.97	61.44	-26.65	60.87	-26.08	7.06	127.29	-81.67	70.05	-24.43	-93.19
		425	1272.52	80.14	3.09	76.80	6.43	-15.70	93.84	-143.85	-16.54	-33.48	-118.54
		541	819.78	18.53	-13.94	-1.85	6.43	-15.70	144.95	21.88	136.65	30.17	-30.86
		545	1249.19	-13.74	-30.11	-17.77	-26.08	7.06	223.41	39.05	223.24	39.21	-5.51
351	9	269	1076.24	46.43	-19.34	46.27	-19.19	3.15	125.29	-75.25	69.71	-19.66	-89.76
		425	1216.27	64.25	3.61	59.68	8.17	-16.00	94.74	-132.72	-10.39	-27.59	-113.40
		541	789.82	22.65	-9.50	4.98	8.17	-16.00	138.25	20.13	130.13	28.25	-29.89
		545	1171.76	-7.57	-20.05	-8.43	-19.19	3.15	210.44	35.96	210.22	36.18	-6.25
351	10	269	1038.72	52.70	-22.22	52.33	-21.84	5.28	120.18	-73.20	66.30	-19.31	-86.70
		425	1176.34	69.27	2.88	66.03	6.12	-14.30	90.35	-129.83	-12.15	-27.33	-109.83
		541	757.33	17.62	-11.65	-0.15	6.12	-14.30	133.69	20.29	125.63	28.36	-29.15
		545	1139.68	-11.23	-24.47	-13.85	-21.84	5.28	204.29	36.16	204.08	36.38	-6.02
351	11	269	1079.29	50.81	-17.18	50.75	-17.11	2.05	125.27	-75.26	69.64	-19.63	-89.78
		425	1214.11	65.92	3.02	62.36	6.58	-14.54	94.75	-132.70	-10.42	-27.54	-113.40
		541	785.71	18.84	-10.66	1.59	6.58	-14.54	138.18	20.15	130.06	28.27	-29.87
		545	1173.27	-9.47	-17.66	-10.02	-17.11	2.05	210.33	35.96	210.11	36.18	-6.25
352	1	322	541.62	5.17	0.51	1.20	4.48	-1.66	59.31	-44.26	30.45	-15.40	-46.43

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		428	489.05	15.56	0.66	4.67	11.55	-6.61	74.59	-10.00	57.30	7.29	-34.12
		542	384.40	15.27	-0.19	3.53	11.55	-6.61	38.74	-33.49	38.16	-32.91	6.43
		540	381.12	5.03	-0.49	0.07	4.48	-1.66	11.83	-56.12	11.32	-55.60	-5.89
352	2	322	527.52	3.88	0.29	0.66	3.51	-1.09	58.43	-42.51	29.93	-14.01	-45.44
		428	478.83	16.27	0.52	4.81	11.97	-7.01	73.54	-8.69	56.50	8.35	-33.33
		542	373.46	16.05	-0.11	3.97	11.97	-7.01	37.70	-32.37	37.07	-31.74	6.63
		540	367.94	3.81	-0.48	-0.18	3.51	-1.09	10.96	-54.55	10.50	-54.09	-5.48
352	3	322	521.57	5.08	0.34	0.76	4.66	-1.35	57.52	-42.30	29.17	-13.95	-45.01
		428	476.47	23.45	0.69	6.92	17.23	-10.15	72.01	-9.37	54.78	7.86	-33.25
		542	369.14	23.16	-0.13	5.81	17.23	-10.15	37.14	-31.36	36.60	-30.83	6.03
		540	362.75	5.00	-0.69	-0.35	4.66	-1.35	11.50	-53.14	10.98	-52.63	-5.73
352	4	322	524.81	3.98	0.33	0.77	3.54	-1.18	58.04	-42.36	29.79	-14.11	-45.15
		428	475.48	14.81	0.51	4.39	10.93	-6.35	72.75	-9.34	55.64	7.76	-33.34
		542	369.26	14.59	-0.12	3.54	10.93	-6.35	37.39	-32.05	36.87	-31.54	5.98
		540	366.37	3.90	-0.44	-0.08	3.54	-1.18	11.54	-53.94	11.01	-53.41	-5.83
352	5	322	528.91	3.84	0.32	0.76	3.40	-1.16	58.53	-42.66	30.14	-14.27	-45.46
		428	478.88	13.74	0.48	4.07	10.16	-5.89	73.46	-9.29	56.33	7.84	-33.53
		542	372.99	13.53	-0.11	3.26	10.16	-5.89	37.68	-32.59	37.13	-32.04	6.17
		540	370.14	3.75	-0.40	-0.05	3.40	-1.16	11.45	-54.65	10.94	-54.15	-5.76
352	6	322	542.23	5.34	0.55	1.34	4.56	-1.77	59.32	-44.33	30.42	-15.42	-46.48
		428	488.39	14.17	0.67	4.28	10.56	-5.98	74.60	-10.04	57.27	7.29	-34.15
		542	383.84	13.88	-0.21	3.10	10.56	-5.98	38.76	-33.49	38.18	-32.91	6.46
		540	381.23	5.18	-0.46	0.16	4.56	-1.77	11.84	-56.14	11.33	-55.63	-5.87
352	7	322	526.02	5.46	0.58	1.40	4.63	-1.83	57.93	-42.54	29.54	-14.15	-45.24
		428	474.24	13.92	0.69	4.22	10.39	-5.86	72.60	-9.42	55.38	7.79	-33.40
		542	368.26	13.62	-0.22	3.01	10.39	-5.86	37.40	-31.87	36.86	-31.34	6.08
		540	366.19	5.29	-0.47	0.19	4.63	-1.83	11.53	-53.79	11.02	-53.27	-5.76
352	8	322	397.76	4.00	0.26	0.58	3.68	-1.05	43.49	-32.68	22.12	-11.31	-34.22
		428	363.15	18.89	0.55	5.57	13.87	-8.18	54.65	-7.42	41.81	5.41	-25.14
		542	284.93	18.66	-0.10	4.69	13.87	-8.18	28.51	-24.27	28.08	-23.84	4.74
		540	279.24	3.94	-0.56	-0.30	3.68	-1.05	8.76	-40.95	8.38	-40.56	-4.34
352	9	322	385.60	3.59	0.35	0.84	3.11	-1.15	42.68	-31.00	21.80	-10.11	-33.21
		428	348.80	10.72	0.46	3.22	7.96	-4.55	53.42	-6.78	40.70	5.94	-24.58
		542	269.62	10.52	-0.13	2.43	7.96	-4.55	27.35	-23.33	26.96	-22.95	4.40
		540	267.89	3.50	-0.34	0.05	3.11	-1.15	8.44	-39.38	8.06	-39.00	-4.23
352	10	322	374.50	3.54	0.26	0.59	3.21	-0.98	41.69	-29.91	21.08	-9.30	-32.42
		428	341.91	15.10	0.47	4.47	11.11	-6.52	52.00	-6.44	39.30	6.25	-24.09
		542	261.11	14.90	-0.10	3.69	11.11	-6.52	26.46	-22.15	26.10	-21.79	4.17
		540	257.69	3.47	-0.45	-0.18	3.21	-0.98	8.25	-37.72	7.88	-37.35	-4.15
352	11	322	385.93	3.69	0.38	0.92	3.15	-1.22	42.69	-31.03	21.78	-10.12	-33.23
		428	348.42	9.95	0.46	3.00	7.41	-4.20	53.43	-6.80	40.69	5.94	-24.60
		542	269.31	9.74	-0.14	2.19	7.41	-4.20	27.36	-23.33	26.97	-22.95	4.41
		540	267.95	3.58	-0.32	0.10	3.15	-1.22	8.44	-39.39	8.07	-39.01	-4.22
353	1	320	1854.75	101.77	-30.05	99.48	-27.76	17.19	329.85	101.21	328.70	102.35	-16.17
		269	2018.61	104.84	-19.75	103.88	-18.79	10.91	352.66	80.23	343.21	89.68	-49.86
		545	1473.14	-14.77	-48.39	-44.37	-18.79	10.91	217.16	-39.89	214.70	-37.42	-25.06
353	2	538	1315.79	-18.12	-58.41	-48.77	-27.76	17.19	200.52	-25.08	200.19	-24.75	8.63
		320	1804.20	93.77	-22.01	92.29	-20.53	13.00	321.73	97.84	320.22	99.35	-18.34
		269	1958.23	94.12	-20.84	92.79	-19.51	12.29	343.60	77.85	333.36	88.10	-51.16
		545	1441.19	-14.28	-48.38	-43.15	-19.51	12.29	212.24	-39.47	209.83	-37.06	-24.51
		538	1297.74	-14.69	-49.49	-43.65	-20.53	13.00	197.00	-26.11	196.69	-25.80	8.31
353	3	320	1797.50	118.25	-18.12	117.37	-17.24	10.93	316.33	97.57	315.25	98.64	-15.32
		269	1939.94	116.18	-24.51	114.59	-22.92	14.90	336.50	76.59	327.27	85.83	-48.11
		545	1421.14	-17.16	-61.50	-55.74	-22.92	14.90	208.36	-37.22	205.90	-34.76	-24.48
		538	1279.00	-14.16	-56.04	-52.96	-17.24	10.93	194.19	-22.26	193.87	-21.94	8.30
353	4	320	1790.32	95.20	-31.19	92.71	-28.69	17.59	319.39	99.79	318.36	100.82	-15.02
		269	1954.22	100.16	-15.05	99.64	-14.53	7.68	341.95	79.05	332.96	88.04	-47.76
		545	1418.99	-12.37	-41.72	-39.55	-14.53	7.68	209.65	-38.17	207.15	-35.67	-24.76
		538	1260.73	-17.88	-57.30	-46.49	-28.69	17.59	192.84	-23.19	192.55	-22.89	7.99
353	5	320	1794.18	94.28	-30.22	91.89	-27.83	17.11	320.13	99.08	318.82	100.40	-17.02
		269	1960.45	99.59	-13.31	99.19	-12.92	6.67	343.15	79.04	333.50	88.69	-49.56
		545	1426.85	-11.32	-40.73	-39.13	-12.92	6.67	210.62	-38.69	208.15	-36.22	-24.69
		538	1272.09	-17.66	-56.61	-46.44	-27.83	17.11	193.75	-24.79	193.46	-24.51	7.85
353	6	320	1854.64	102.77	-32.38	100.23	-29.85	18.34	329.58	100.90	328.40	102.08	-16.39
		269	2019.69	107.75	-16.26	107.17	-15.68	8.43	352.22	79.98	342.68	89.52	-50.06
		545	1472.70	-13.32	-45.73	-43.36	-15.68	8.43	217.12	-39.81	214.66	-37.35	-25.03
		538	1317.34	-19.07	-61.08	-50.30	-29.85	18.34	200.71	-25.12	200.38	-24.79	8.63
353	7	320	1788.74	98.23	-30.79	95.81	-28.36	17.51	318.35	98.63	317.25	99.72	-15.45
		269	1945.01	102.10	-17.89	101.32	-17.12	9.64	339.78	77.86	330.59	87.05	-48.21
		545	1418.16	-13.83	-45.39	-42.11	-17.12	9.64	209.46	-37.82	206.98	-35.34	-24.64
		538	1267.88	-18.01	-57.98	-47.62	-28.36	17.51	193.95	-22.97	193.64	-22.67	8.12
353	8	320	1389.80	93.72	-13.25	93.11	-12.64	8.05	243.93	74.48	243.21	75.20	-11.08

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		269	1498.50	91.64	-19.65	90.32	-18.33	12.03	259.32	58.35	252.52	65.15	-36.35
		545	1098.84	-13.64	-49.18	-44.49	-18.33	12.03	160.73	-29.10	158.91	-27.28	-18.49
		538	989.38	-10.56	-43.78	-41.70	-12.64	8.05	149.87	-17.51	149.59	-17.23	6.78
353	9	320	1300.53	70.57	-21.14	68.95	-19.52	12.07	231.72	72.00	230.80	72.93	-12.11
		269	1415.60	72.86	-13.49	72.22	-12.85	7.40	247.74	57.12	240.74	64.11	-35.85
		545	1032.15	-10.17	-33.31	-30.63	-12.85	7.40	152.50	-27.46	150.66	-25.63	-18.08
		538	922.38	-12.65	-40.76	-33.90	-19.52	12.07	140.92	-17.02	140.72	-16.81	5.65
353	10	320	1268.76	79.68	-14.46	78.89	-13.67	8.60	224.21	69.98	223.32	70.87	-11.65
		269	1371.85	79.15	-16.12	78.17	-15.14	9.62	238.76	55.09	231.88	61.97	-34.87
		545	1003.30	-11.50	-40.58	-36.94	-15.14	9.62	147.61	-25.99	145.77	-24.15	-17.76
		538	901.92	-10.77	-39.13	-36.22	-13.67	8.60	137.41	-15.45	137.21	-15.25	5.47
353	11	320	1300.46	71.13	-22.44	69.37	-20.67	12.72	231.57	71.83	230.63	72.78	-12.24
		269	1416.23	74.47	-11.55	74.05	-11.12	6.03	247.49	56.98	240.44	64.02	-35.96
		545	1031.89	-9.37	-31.82	-30.07	-11.12	6.03	152.48	-27.42	150.64	-25.59	-18.06
		538	923.25	-13.18	-42.24	-34.75	-20.67	12.72	141.03	-17.04	140.83	-16.84	5.65
354	1	425	1167.30	58.41	6.67	45.09	19.99	-22.62	154.42	-51.93	89.41	13.08	-95.86
		321	1216.65	98.65	10.98	59.74	49.89	-43.56	141.26	-72.95	57.05	11.26	-104.63
		539	1013.44	83.75	-6.14	27.72	49.89	-43.56	157.13	-0.77	118.85	37.50	-67.67
		541	1049.36	39.42	-6.36	13.07	19.99	-22.62	176.50	14.03	151.22	39.32	-58.89
354	2	425	1166.13	51.06	5.33	39.16	17.24	-20.07	154.97	-52.40	87.30	15.27	-97.23
		321	1216.04	91.30	9.33	53.71	46.92	-40.84	143.20	-71.62	56.73	14.85	-105.35
		539	983.76	79.01	-5.06	27.03	46.92	-40.84	153.27	0.18	116.18	37.28	-65.60
		541	1019.20	35.07	-5.35	12.49	17.24	-20.07	171.45	13.00	146.75	37.70	-57.48
354	3	425	1106.00	57.38	5.92	47.56	15.74	-20.22	145.47	-50.20	83.39	11.88	-91.06
		321	1167.28	110.33	12.91	67.27	55.97	-48.38	132.40	-71.03	51.60	9.77	-99.54
		539	979.23	93.00	-7.23	29.80	55.97	-48.38	150.64	0.32	113.18	37.78	-65.02
		541	1001.29	33.33	-7.50	10.09	15.74	-20.22	169.62	15.25	144.98	39.89	-56.54
354	4	425	1126.41	53.74	5.96	44.58	15.12	-18.81	149.75	-49.90	86.83	13.03	-92.75
		321	1179.90	98.79	12.18	61.44	49.53	-42.90	137.02	-70.25	55.57	11.20	-101.24
		539	984.18	82.11	-6.95	25.62	49.53	-42.90	152.59	-0.73	115.19	36.66	-65.84
		541	1012.41	31.02	-7.13	8.76	15.12	-18.81	171.23	13.71	146.45	38.49	-57.36
354	5	425	1146.55	51.23	5.08	44.38	11.93	-16.41	154.02	-49.53	89.10	15.38	-94.87
		321	1205.55	99.97	12.97	63.00	49.93	-43.01	141.89	-69.60	58.29	14.00	-103.40
		539	989.68	82.15	-7.49	24.72	49.93	-43.01	153.42	-1.11	116.01	36.30	-66.19
		541	1013.06	25.68	-7.65	6.10	11.93	-16.41	171.64	12.87	146.83	37.69	-57.66
354	6	425	1165.37	58.37	6.87	48.56	16.68	-20.22	154.43	-51.83	89.38	13.22	-95.84
		321	1219.16	102.98	13.36	65.36	50.97	-44.23	141.29	-72.88	57.01	11.40	-104.63
		539	1012.28	84.26	-7.79	25.50	50.97	-44.23	157.03	-0.75	118.73	37.55	-67.64
		541	1043.29	33.30	-7.92	8.70	16.68	-20.22	176.39	14.09	151.10	39.37	-58.85
354	7	425	1122.04	56.26	6.44	44.09	18.61	-21.40	148.39	-50.01	85.62	12.76	-92.26
		321	1171.71	96.69	11.01	58.89	48.81	-42.54	135.55	-70.59	54.13	10.83	-100.77
		539	979.44	81.73	-6.18	26.73	48.81	-42.54	151.93	-0.31	114.47	37.14	-65.57
		541	1012.17	36.93	-6.39	11.93	18.61	-21.40	170.70	14.33	145.96	39.07	-57.07
354	8	425	845.43	44.98	4.62	37.42	12.19	-15.75	110.36	-39.32	63.38	7.66	-69.46
		321	892.14	86.83	10.22	53.02	44.03	-38.04	100.06	-55.27	38.79	5.99	-75.91
		539	752.10	73.12	-5.73	23.36	44.03	-38.04	115.50	0.25	87.06	28.69	-49.69
		541	769.71	25.88	-5.94	7.76	12.19	-15.75	130.34	11.66	111.65	30.36	-43.24
354	9	425	826.60	40.38	4.59	31.29	13.67	-15.58	110.15	-35.86	63.55	10.74	-68.06
		321	863.05	68.84	7.67	41.66	34.84	-30.39	101.09	-50.82	40.81	9.46	-74.32
		539	715.77	58.46	-4.28	19.33	34.84	-30.39	111.10	-0.42	83.64	27.04	-48.04
		541	739.26	27.07	-4.44	8.96	13.67	-15.58	124.53	10.17	106.39	28.31	-41.78
354	10	425	792.52	39.79	4.19	32.66	11.31	-14.24	105.18	-34.90	60.21	10.07	-65.40
		321	835.64	75.33	8.74	45.85	38.22	-33.07	96.17	-49.76	37.78	8.63	-71.50
		539	696.82	63.59	-4.89	20.49	38.22	-33.07	107.50	0.19	80.49	27.20	-46.57
		541	712.58	23.69	-5.07	7.31	11.31	-14.24	120.71	10.84	102.92	28.63	-40.47
354	11	425	825.51	40.33	4.72	33.22	11.83	-14.24	110.15	-35.80	63.53	10.81	-68.05
		321	864.44	71.24	8.99	44.79	35.44	-30.77	101.10	-50.79	40.78	9.53	-74.32
		539	715.14	58.74	-5.20	18.10	35.44	-30.77	111.04	-0.40	83.58	27.06	-48.03
		541	735.89	23.67	-5.30	6.53	11.83	-14.24	124.46	10.20	106.32	28.34	-41.76
355	1	428	1060.65	17.21	-4.85	-3.70	16.06	-4.91	58.39	-138.94	-41.31	-39.25	-98.66
		266	743.40	7.68	-7.89	-7.83	7.62	1.00	72.00	-70.92	-12.14	13.22	-70.32
		546	529.47	7.73	-0.88	-0.76	7.62	1.00	86.37	-3.59	61.58	21.20	40.19
		542	366.41	17.73	1.69	3.37	16.06	-4.91	34.55	-33.40	32.41	-31.27	11.86
355	2	428	1033.25	17.66	-2.77	-1.25	16.14	-5.36	57.85	-134.48	-39.77	-36.86	-96.16
		266	733.40	4.63	-8.30	-7.36	3.69	3.36	71.14	-69.23	-12.08	13.99	-68.96
		546	518.28	5.04	-4.62	-3.27	3.69	3.36	84.21	-3.42	59.77	21.02	39.31
		542	359.54	18.03	0.94	2.83	16.14	-5.36	34.36	-32.11	32.07	-29.83	12.11
355	3	428	1022.37	25.27	1.14	4.06	22.34	-7.88	56.91	-132.77	-39.38	-36.48	-94.83
		266	732.70	4.59	-15.41	-8.18	-2.64	9.61	70.01	-68.00	-11.69	13.71	-67.82
		546	512.73	3.84	-16.88	-10.39	-2.64	9.61	82.79	-2.69	58.99	21.11	38.32
		542	356.58	25.02	-0.83	1.85	22.34	-7.88	33.35	-31.13	31.31	-29.08	11.31
355	4	428	1023.70	16.37	-5.28	-4.18	15.26	-4.76	57.40	-133.27	-39.00	-36.87	-95.33

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		266	721.85	8.35	-7.57	-7.57	8.34	0.09	70.59	-67.86	-10.87	13.59	-68.13
		546	507.64	8.35	0.23	0.23	8.34	0.09	82.93	-3.03	59.41	20.50	38.32
		542	350.96	16.96	1.93	3.62	15.26	-4.76	33.24	-31.93	31.28	-29.97	11.13
355	5	428	1030.50	15.23	-5.36	-4.38	14.25	-4.39	57.89	-134.17	-39.15	-37.14	-96.03
		266	728.53	8.33	-7.28	-7.28	8.32	-0.24	71.16	-68.48	-10.95	13.64	-68.73
		546	511.83	8.33	0.63	0.63	8.32	-0.24	83.42	-3.35	59.74	20.33	38.65
		542	354.49	15.82	1.97	3.54	14.25	-4.39	33.56	-32.47	31.55	-30.45	11.35
355	6	428	1060.33	15.86	-5.77	-4.84	14.93	-4.38	58.42	-138.97	-41.33	-39.23	-98.69
		266	746.03	9.06	-7.72	-7.72	9.06	-0.27	72.04	-70.92	-12.14	13.27	-70.34
		546	530.73	9.07	0.64	0.65	9.06	-0.27	86.43	-3.59	61.60	21.24	40.23
		542	365.12	16.42	2.04	3.53	14.93	-4.38	34.56	-33.40	32.41	-31.26	11.88
355	7	428	1023.28	15.57	-5.46	-4.54	14.66	-4.28	57.35	-133.35	-39.23	-36.77	-95.34
		266	722.59	8.60	-7.51	-7.51	8.60	-0.04	70.55	-67.98	-11.16	13.73	-68.14
		546	508.87	8.60	0.38	0.38	8.60	-0.04	83.16	-2.95	59.40	20.81	38.49
		542	349.92	16.10	1.91	3.35	14.66	-4.28	33.35	-31.72	31.33	-29.70	11.29
355	8	428	786.37	20.35	1.31	3.75	17.91	-6.37	42.76	-102.85	-31.08	-29.00	-72.80
		266	561.63	3.72	-12.97	-6.41	-2.84	8.15	52.78	-52.73	-9.70	9.76	-51.85
		546	398.25	2.85	-14.53	-8.84	-2.84	8.15	64.05	-2.35	45.43	16.27	29.83
		542	276.31	20.07	-0.84	1.32	17.91	-6.37	25.69	-24.13	24.05	-22.49	8.88
355	9	428	747.61	11.87	-3.46	-2.68	11.08	-3.38	42.36	-97.02	-28.19	-26.47	-69.68
		266	528.14	5.48	-5.47	-5.44	5.45	0.57	52.01	-49.47	-7.76	10.31	-49.93
		546	369.26	5.50	-0.45	-0.39	5.45	0.57	60.44	-2.13	43.31	15.00	27.89
		542	256.16	12.24	1.21	2.37	11.08	-3.38	24.32	-23.22	22.88	-21.78	8.14
355	10	428	726.40	16.30	-0.09	1.63	14.58	-5.03	41.54	-93.59	-27.12	-24.94	-67.56
		266	521.56	3.05	-8.93	-5.63	-0.25	5.35	50.91	-47.84	-7.51	10.58	-48.54
		546	359.79	3.02	-9.01	-5.74	-0.25	5.35	58.45	-1.63	41.88	14.94	26.85
		542	250.69	16.29	-0.19	1.52	14.58	-5.03	23.66	-21.96	22.27	-20.57	7.83
355	11	428	747.42	11.12	-3.97	-3.31	10.46	-3.08	42.38	-97.04	-28.20	-26.46	-69.70
		266	529.61	6.25	-5.38	-5.38	6.25	-0.14	52.04	-49.47	-7.76	10.33	-49.94
		546	370.05	6.25	0.39	0.39	6.25	-0.14	60.47	-2.13	43.32	15.01	27.92
		542	255.45	11.51	1.41	2.46	10.46	-3.08	24.33	-23.22	22.89	-21.78	8.15
356	1	266	1120.83	10.87	-16.45	-16.19	10.61	2.64	212.81	123.00	207.92	127.90	20.39
		320	2191.19	0.58	-38.19	-26.72	-10.88	17.69	413.43	148.66	401.94	160.15	53.95
		538	1067.75	10.46	-25.54	-4.20	-10.88	17.69	160.22	-29.07	158.47	-27.32	18.14
		546	360.62	11.87	5.07	6.34	10.61	2.64	-28.01	-67.11	-35.55	-59.57	-15.43
356	2	266	1109.01	6.49	-19.86	-19.12	5.75	4.34	210.08	121.83	204.95	126.96	20.65
		320	2157.02	0.15	-31.61	-25.07	-6.39	12.84	406.79	146.53	395.37	157.95	53.31
		538	1049.04	10.31	-16.27	0.43	-6.39	12.84	156.98	-29.22	155.38	-27.61	17.22
		546	354.10	10.42	1.71	6.38	5.75	4.34	-27.40	-66.23	-35.04	-58.59	-15.43
356	3	266	1091.41	0.80	-33.83	-30.98	-2.05	9.51	205.00	119.23	200.21	124.03	19.71
		320	2114.59	0.68	-34.02	-31.08	-2.25	9.65	397.45	143.68	386.40	154.72	51.79
		538	1027.47	14.12	-7.94	8.44	-2.25	9.65	153.97	-27.08	152.34	-25.45	17.09
		546	340.15	14.13	-7.64	8.54	-2.05	9.51	-26.32	-63.68	-33.85	-56.15	-14.98
356	4	266	1075.91	11.50	-14.64	-14.52	11.37	1.79	204.29	119.26	199.98	123.57	18.67
		320	2102.21	0.42	-38.73	-26.08	-12.22	18.31	396.95	144.24	386.24	154.95	50.92
		538	1025.03	9.80	-27.44	-5.41	-12.22	18.31	154.28	-27.11	152.61	-25.44	17.33
		546	345.10	11.93	5.60	6.16	11.37	1.79	-26.35	-64.12	-33.65	-56.82	-14.92
356	5	266	1084.69	11.36	-13.14	-13.05	11.27	1.44	206.18	120.28	201.80	124.66	18.89
		320	2118.26	0.57	-36.98	-24.44	-11.96	17.71	400.20	145.28	389.46	156.02	51.22
		538	1033.07	9.15	-26.82	-5.71	-11.96	17.71	155.13	-28.12	153.51	-26.51	17.13
		546	350.81	11.62	5.33	5.68	11.27	1.44	-26.73	-65.28	-34.14	-57.87	-15.19
356	6	266	1120.53	12.38	-13.97	-13.88	12.28	1.58	213.08	123.10	208.13	128.05	20.51
		320	2191.44	0.82	-39.50	-26.08	-12.61	19.00	413.72	148.70	402.20	160.21	54.04
		538	1067.93	9.90	-28.65	-6.14	-12.61	19.00	160.26	-29.17	158.52	-27.43	18.08
		546	361.13	12.66	5.68	6.05	12.28	1.58	-28.00	-67.14	-35.55	-59.59	-15.45
356	7	266	1080.82	11.88	-14.04	-13.92	11.76	1.75	205.37	119.61	200.76	124.21	19.34
		320	2108.66	0.86	-37.98	-25.42	-11.70	18.17	398.21	144.29	387.30	155.20	51.48
		538	1026.34	9.78	-27.07	-5.58	-11.70	18.17	154.47	-27.32	152.83	-25.68	17.19
		546	344.92	12.24	5.43	5.92	11.76	1.75	-26.33	-64.05	-33.71	-56.67	-14.96
356	8	266	842.32	-0.05	-27.81	-25.31	-2.55	7.95	158.13	91.01	154.17	94.97	15.82
		320	1635.98	0.81	-26.47	-24.59	-1.08	6.91	307.13	109.85	298.31	118.68	40.79
		538	795.07	11.39	-4.91	7.55	-1.08	6.91	118.91	-21.20	117.58	-19.87	13.59
		546	262.79	11.37	-7.09	6.83	-2.55	7.95	-20.85	-49.28	-26.55	-43.58	-11.38
356	9	266	787.92	7.72	-11.21	-11.05	7.56	1.74	149.53	87.56	146.36	90.73	13.66
		320	1534.41	0.43	-26.72	-18.55	-7.74	12.45	289.77	105.58	282.03	113.32	36.96
		538	747.09	7.23	-18.09	-3.12	-7.74	12.45	112.38	-19.97	111.23	-18.82	12.26
		546	252.10	8.33	3.62	4.38	7.56	1.74	-19.00	-46.85	-24.44	-41.41	-11.04
356	10	266	771.65	1.98	-20.72	-19.27	0.53	5.55	145.19	85.47	142.08	88.58	13.28
		320	1491.81	0.08	-24.00	-20.97	-2.95	7.98	280.89	102.81	273.39	110.31	35.75
		538	724.77	9.16	-8.21	3.90	-2.95	7.98	108.90	-18.86	107.83	-17.78	11.68
		546	240.72	9.17	-3.03	5.60	0.53	5.55	-18.06	-44.94	-23.49	-39.51	-10.80
356	11	266	787.73	8.56	-9.84	-9.76	8.49	1.14	149.68	87.62	146.48	90.82	13.72

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		320	1534.56	0.56	-27.45	-18.19	-8.70	13.18	289.93	105.60	282.17	113.36	37.00
		538	747.19	6.92	-19.82	-4.20	-8.70	13.18	112.40	-20.02	111.26	-18.88	12.22
		546	252.37	8.78	3.94	4.22	8.49	1.14	-18.99	-46.87	-24.44	-41.42	-11.05
357	1	564	496.16	17.38	-119.95	-101.31	-1.26	47.03	100.55	-95.44	-90.52	95.63	-30.66
		380	1686.29	-61.73	-175.61	-113.84	-123.51	56.73	-28.52	-637.99	-619.22	-47.29	-105.31
		81	1976.05	77.38	-137.16	62.68	-122.46	54.19	-5.74	-707.04	-668.20	-44.58	-160.41
		550	739.61	80.64	-31.93	51.01	-2.30	49.57	126.04	-167.20	-139.50	98.34	-85.76
357	2	564	464.96	14.86	-102.81	-87.75	-0.20	39.31	89.32	-93.51	-90.76	86.58	-22.24
		380	1452.96	-56.29	-152.60	-99.64	-109.25	47.92	-20.43	-547.90	-530.75	-37.57	-93.53
		81	1725.15	79.49	-119.34	68.37	-108.22	45.69	-10.14	-616.99	-581.37	-45.76	-142.64
		550	667.84	78.79	-22.78	57.23	-1.22	41.53	99.52	-162.51	-141.38	78.39	-71.34
357	3	564	447.97	13.45	-116.44	-99.29	-3.70	43.97	85.55	-87.91	-85.38	83.02	-20.81
		380	1361.03	-56.20	-160.10	-111.95	-104.34	51.81	-18.03	-509.40	-492.60	-34.83	-89.28
		81	1619.98	81.08	-116.68	67.59	-103.19	49.85	-9.75	-577.29	-542.20	-44.83	-136.69
		550	641.00	80.38	-29.60	55.63	-4.85	45.93	93.39	-155.35	-134.98	73.01	-68.21
357	4	564	417.14	14.51	-94.09	-78.43	-1.15	38.15	82.63	-81.65	-79.56	80.54	-18.42
		380	1426.04	-47.93	-141.24	-87.83	-101.34	46.16	-24.98	-541.10	-527.11	-38.97	-83.83
		81	1664.28	56.58	-112.93	44.25	-100.59	44.03	-8.33	-599.91	-570.10	-38.14	-129.39
		550	603.34	61.25	-27.60	35.55	-1.90	40.28	99.79	-140.97	-122.56	81.38	-63.99
357	5	564	418.09	14.68	-94.77	-79.05	-1.04	38.38	83.44	-81.33	-79.05	81.16	-19.23
		380	1438.33	-48.41	-142.37	-88.52	-102.26	46.48	-25.39	-545.88	-531.68	-39.59	-84.79
		81	1678.55	56.97	-113.90	44.57	-101.51	44.32	-7.79	-604.74	-574.55	-37.98	-130.81
		550	608.08	61.69	-27.68	35.81	-1.80	40.54	101.81	-140.96	-121.93	82.77	-65.25
357	6	564	421.43	14.80	-103.50	-86.19	-2.51	41.80	84.70	-80.63	-78.04	82.10	-20.54
		380	1462.98	-50.01	-150.12	-96.10	-104.03	49.90	-26.35	-554.25	-539.82	-40.78	-86.10
		81	1702.76	57.51	-117.42	43.32	-103.23	47.76	-6.94	-612.90	-582.19	-37.65	-132.90
		550	617.01	63.17	-32.36	34.12	-3.31	43.94	105.33	-140.50	-120.42	85.24	-67.34
357	7	564	416.32	14.33	-97.77	-81.57	-1.86	39.41	82.66	-80.82	-78.65	80.48	-18.73
		380	1417.44	-48.62	-143.79	-91.24	-101.17	47.33	-24.73	-537.07	-522.94	-38.86	-83.91
		81	1655.23	57.73	-113.32	44.79	-100.38	45.23	-8.09	-596.07	-565.95	-38.21	-129.62
		550	603.55	62.32	-29.16	35.81	-2.65	41.51	99.88	-140.40	-121.65	81.13	-64.44
357	8	564	381.39	10.07	-89.98	-77.48	-2.43	33.09	66.45	-81.06	-79.68	65.07	-14.20
		380	1029.12	-45.74	-124.47	-88.21	-82.00	39.24	-9.62	-383.10	-369.32	-23.40	-70.41
		81	1239.83	73.48	-90.21	64.27	-81.00	37.73	-13.45	-441.97	-413.33	-42.10	-107.03
		550	520.84	70.31	-19.67	54.08	-3.44	34.60	60.41	-137.71	-123.68	46.38	-50.82
357	9	564	324.29	12.03	-81.48	-68.40	-1.06	32.44	68.98	-59.16	-55.69	65.52	-20.78
		380	1166.04	-40.88	-119.27	-76.45	-83.70	39.03	-21.55	-442.19	-429.79	-33.94	-71.14
		81	1361.07	47.61	-93.69	36.97	-83.04	37.29	-1.37	-487.22	-461.34	-27.24	-109.09
		550	496.61	51.46	-23.69	29.49	-1.71	34.18	91.52	-106.54	-87.24	72.23	-58.73
357	10	564	297.12	9.84	-79.53	-67.27	-2.41	30.75	60.58	-54.91	-52.84	58.52	-15.30
		380	985.27	-37.92	-110.54	-75.41	-73.05	36.29	-15.75	-370.72	-359.45	-27.02	-62.23
		81	1163.03	49.67	-82.31	39.70	-72.34	34.88	-3.65	-415.07	-391.34	-27.38	-95.91
		550	440.56	51.12	-22.20	32.05	-3.13	32.16	73.33	-99.91	-84.73	58.15	-48.98
357	11	564	282.61	10.61	-72.35	-59.99	-1.75	29.54	60.12	-50.87	-48.76	58.01	-15.15
		380	1042.06	-34.37	-105.11	-66.60	-72.88	35.23	-20.32	-395.69	-385.68	-30.33	-60.47
		81	1209.31	36.64	-82.79	26.21	-72.36	33.71	-2.01	-434.94	-413.56	-23.39	-93.81
		550	428.38	41.93	-24.10	20.10	-2.28	31.06	79.96	-91.66	-76.64	64.95	-48.49
358	1	590	261.15	35.75	13.47	34.06	15.16	-5.89	80.19	-23.61	17.81	38.77	-50.83
		564	406.47	29.98	-10.01	28.35	-8.39	-7.90	134.85	-17.58	105.21	12.06	-60.32
		550	767.69	-6.22	-43.57	-41.99	-7.80	-7.51	321.75	91.05	136.57	276.23	-91.81
		576	864.34	15.20	-48.11	-47.48	14.57	-6.28	327.30	24.81	49.17	302.94	-82.32
358	2	590	227.53	34.78	12.84	32.88	14.74	-6.17	69.44	-20.43	14.75	34.26	-43.86
		564	339.07	29.23	-8.73	27.46	-6.95	-8.00	110.89	-15.15	89.50	6.25	-47.31
		550	666.02	-4.70	-41.04	-39.35	-6.39	-7.65	280.20	84.16	123.17	241.19	-78.26
		576	768.92	14.89	-45.28	-44.57	14.18	-6.52	292.16	25.46	48.41	269.21	-74.81
358	3	590	216.89	32.16	13.34	30.78	14.72	-4.91	66.92	-18.91	14.43	33.58	-41.83
		564	323.70	26.90	-11.80	25.55	-10.45	-7.11	105.70	-14.53	86.29	4.88	-44.23
		550	635.31	-8.46	-40.11	-38.65	-9.92	-6.64	267.63	81.22	119.64	229.21	-75.41
		576	738.34	14.69	-44.13	-43.63	14.20	-5.38	280.78	24.91	47.78	257.91	-73.00
358	4	590	206.35	28.83	11.10	27.24	12.69	-5.07	62.89	-18.96	14.18	29.75	-40.18
		564	319.62	24.21	-8.14	22.74	-6.67	-6.73	106.37	-12.76	83.91	9.71	-46.60
		550	623.00	-4.74	-34.03	-32.56	-6.21	-6.40	262.11	78.16	111.16	229.11	-70.58
		576	702.48	12.82	-37.45	-36.86	12.23	-5.41	267.37	23.22	41.43	249.15	-64.16
358	5	590	209.29	28.98	11.09	27.39	12.67	-5.08	63.89	-19.15	14.49	30.26	-40.76
		564	325.36	24.34	-8.07	22.87	-6.61	-6.73	108.40	-12.98	85.34	10.07	-47.61
		550	631.00	-4.68	-34.27	-32.82	-6.14	-6.40	265.35	78.70	112.47	231.58	-71.85
		576	710.29	12.79	-37.74	-37.15	12.21	-5.41	270.25	23.14	41.62	251.77	-65.00
358	6	590	213.22	28.44	11.48	27.06	12.86	-4.63	65.39	-19.40	14.99	31.00	-41.63
		564	334.40	23.83	-9.48	22.52	-8.17	-6.46	111.65	-13.34	87.51	10.80	-49.34
		550	642.64	-6.34	-34.62	-33.25	-7.71	-6.08	270.42	79.33	114.21	235.55	-73.81
		576	721.98	12.90	-38.08	-37.58	12.40	-5.02	274.52	22.92	41.69	255.75	-66.11
358	7	590	206.79	28.63	11.30	27.14	12.79	-4.85	63.21	-18.87	14.30	30.05	-40.28

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		564	320.87	24.02	-8.83	22.63	-7.44	-6.60	106.80	-12.82	84.41	9.57	-46.66
		550	622.99	-5.56	-34.31	-32.88	-6.99	-6.24	262.32	78.25	111.76	228.81	-71.03
		576	703.66	12.88	-37.74	-37.20	12.33	-5.21	267.78	23.16	41.64	249.29	-64.66
358	8	590	166.31	28.35	11.47	26.97	12.86	-4.64	50.58	-14.97	9.61	26.00	-31.74
		564	231.65	23.76	-9.48	22.45	-8.17	-6.47	73.02	-12.35	61.45	-0.78	-29.22
		550	477.71	-6.33	-34.45	-33.07	-7.71	-6.08	201.76	63.13	92.30	172.59	-56.51
		576	575.43	12.91	-37.89	-37.38	12.41	-5.02	218.90	20.94	40.47	199.37	-59.03
358	9	590	178.72	22.85	8.71	21.82	9.74	-3.68	55.23	-15.88	12.96	26.39	-34.91
		564	286.85	19.15	-6.68	18.14	-5.67	-5.00	96.35	-11.35	74.70	10.30	-43.16
		550	531.45	-4.31	-28.09	-27.10	-5.29	-4.74	222.89	63.20	94.22	191.86	-63.18
		576	590.28	9.75	-31.02	-30.63	9.36	-3.94	223.72	16.70	32.48	207.95	-54.93
358	10	590	154.10	20.86	8.63	19.99	9.50	-3.14	47.85	-13.26	11.08	23.51	-29.91
		564	240.42	17.45	-7.67	16.59	-6.82	-4.56	80.07	-9.57	64.19	6.32	-34.23
		550	457.94	-5.55	-26.17	-25.25	-6.48	-4.26	192.81	57.75	84.81	165.74	-54.07
		576	520.13	9.47	-28.81	-28.49	9.16	-3.44	197.83	16.80	31.70	182.93	-49.75
358	11	590	152.10	18.79	7.60	17.93	8.46	-2.98	47.01	-13.55	11.39	22.08	-29.81
		564	246.82	15.74	-6.38	14.91	-5.55	-4.20	83.46	-8.99	64.87	9.60	-37.06
		550	462.01	-4.38	-23.12	-22.25	-5.25	-3.95	194.38	56.68	81.80	169.26	-53.18
		576	511.28	8.47	-25.45	-25.13	8.16	-3.24	194.43	15.63	28.32	181.73	-45.92
359	1	550	1358.53	118.05	-164.39	61.28	-107.62	113.19	273.69	-243.93	-163.92	193.68	-187.12
		81	2169.15	110.16	-205.07	60.63	-155.54	114.71	214.61	-623.75	-581.15	172.01	-184.12
		452	1836.25	103.80	-207.23	51.87	-155.31	115.99	48.55	-610.36	-571.35	9.54	-155.51
		566	1016.56	109.24	-165.54	51.56	-107.86	111.91	122.15	-245.06	-154.13	31.21	-158.50
359	2	550	1232.03	113.87	-147.45	66.59	-100.17	100.59	244.89	-223.24	-154.65	176.29	-165.54
		81	1921.24	106.94	-186.24	65.64	-144.94	102.00	191.95	-547.30	-511.35	156.01	-158.99
		452	1622.82	95.21	-189.08	50.81	-144.68	103.21	50.81	-532.46	-498.48	16.83	-136.61
		566	931.30	99.55	-149.82	50.16	-100.44	99.38	116.48	-221.14	-141.77	37.11	-143.16
359	3	550	1193.79	114.62	-155.09	64.41	-104.88	104.98	235.73	-213.73	-146.69	168.68	-160.12
		81	1814.91	107.54	-194.53	63.67	-150.66	106.43	183.07	-510.94	-476.76	148.89	-150.19
		452	1534.95	99.29	-196.84	52.87	-150.42	107.66	57.88	-492.42	-459.33	24.79	-130.83
		566	918.90	103.93	-156.61	52.44	-105.12	103.75	123.10	-207.77	-129.26	44.59	-140.76
359	4	550	1120.12	91.96	-147.45	42.62	-98.11	96.84	231.00	-194.13	-135.04	171.91	-147.07
		81	1872.39	84.06	-190.13	42.36	-148.43	98.47	187.67	-536.86	-501.97	152.78	-155.11
		452	1606.44	84.05	-191.10	41.18	-148.23	99.79	33.05	-539.79	-508.97	2.23	-129.24
		566	823.92	89.78	-146.81	41.27	-98.30	95.52	85.82	-206.51	-142.04	21.35	-121.20
359	5	550	1129.00	92.47	-147.54	42.99	-98.06	97.09	233.31	-195.44	-135.23	173.10	-148.96
		81	1885.37	84.59	-190.07	42.73	-148.22	98.71	189.14	-540.69	-505.29	153.75	-156.78
		452	1616.53	84.60	-191.04	41.58	-148.02	100.03	33.34	-543.27	-511.90	1.97	-130.79
		566	830.64	90.31	-146.90	41.67	-98.26	95.77	87.32	-207.83	-141.84	21.32	-122.97
359	6	550	1147.13	94.13	-154.57	41.32	-101.75	101.71	236.82	-197.64	-135.54	174.73	-152.06
		81	1909.58	85.88	-198.03	41.19	-153.34	103.39	191.47	-546.90	-510.67	155.24	-159.50
		452	1638.54	88.16	-198.62	42.70	-153.16	104.74	35.46	-548.46	-516.37	3.38	-133.06
		566	847.15	94.27	-153.27	42.93	-101.93	100.36	90.85	-209.23	-141.25	22.87	-125.62
359	7	550	1122.37	93.28	-149.62	42.93	-99.27	98.46	230.83	-194.39	-134.52	170.97	-147.89
		81	1861.70	85.36	-192.04	42.69	-149.37	100.08	186.77	-532.77	-497.85	151.85	-154.60
		452	1596.13	85.61	-192.97	41.81	-149.18	101.40	35.10	-534.03	-502.97	4.04	-129.27
		566	829.42	91.37	-148.91	41.92	-99.46	97.15	88.88	-205.37	-139.65	23.15	-122.56
359	8	550	957.35	99.65	-122.69	61.71	-84.75	83.64	179.01	-180.06	-128.18	127.13	-126.25
		81	1392.81	94.32	-152.30	60.64	-118.62	84.69	135.95	-392.01	-367.54	111.48	-111.01
		452	1171.77	79.68	-155.40	42.66	-118.38	85.62	53.16	-368.49	-343.88	28.55	-98.85
		566	751.96	82.63	-125.80	41.82	-84.99	82.71	106.02	-166.35	-104.52	44.20	-114.09
359	9	550	916.16	75.56	-112.87	35.96	-73.28	76.77	190.41	-158.92	-104.86	136.35	-126.34
		81	1499.71	69.86	-142.24	35.77	-108.15	77.90	151.60	-430.32	-400.16	121.44	-129.00
		452	1274.78	69.80	-142.95	34.87	-108.02	78.82	28.88	-427.20	-400.02	1.69	-107.97
		566	676.72	73.96	-112.45	34.92	-73.41	75.85	77.48	-165.60	-104.73	16.61	-105.32
359	10	550	824.54	73.58	-107.63	37.70	-71.75	72.21	169.31	-142.14	-95.29	122.46	-111.34
		81	1302.94	68.37	-136.35	37.46	-105.44	73.30	134.07	-367.64	-342.16	108.59	-110.14
		452	1106.97	67.31	-137.19	35.42	-105.30	74.19	34.06	-361.68	-337.79	10.17	-94.26
		566	622.03	71.01	-107.49	35.42	-71.89	71.32	77.99	-144.86	-90.91	24.04	-95.46
359	11	550	798.93	62.32	-107.46	24.87	-70.01	70.40	169.91	-133.19	-89.10	125.82	-106.86
		81	1355.51	56.37	-138.33	24.98	-106.93	71.61	138.73	-387.61	-361.00	112.12	-115.32
		452	1164.98	61.12	-138.17	29.77	-106.82	72.56	21.59	-392.80	-369.48	-1.73	-95.50
		566	582.53	65.65	-105.64	30.13	-70.12	69.44	60.04	-145.64	-97.57	11.97	-87.05
360	1	576	892.13	6.15	-105.35	-66.48	-32.72	53.13	358.98	80.32	84.45	354.85	-33.64
		550	1068.62	-46.14	-162.96	-73.68	-135.42	49.59	400.90	88.22	134.05	355.08	-110.58
		566	651.82	76.77	-144.13	66.74	-134.10	45.98	114.56	-135.85	-22.82	1.54	-124.61
		592	378.07	87.12	-60.60	60.55	-34.03	56.74	24.70	-95.82	-72.42	1.31	-47.67
360	2	576	811.39	7.87	-95.60	-62.11	-25.62	48.41	328.10	74.09	77.44	324.76	-28.95
		550	984.64	-44.15	-150.56	-68.88	-125.83	44.94	370.59	85.26	127.05	328.80	-100.89
		566	578.24	71.59	-133.33	62.83	-124.58	41.44	104.06	-116.56	-18.54	6.04	-109.63
		592	329.74	81.84	-51.67	57.04	-26.87	51.92	18.41	-84.57	-68.16	2.00	-37.69
360	3	576	789.38	6.58	-97.33	-61.77	-28.98	49.30	317.99	72.13	75.53	314.58	-28.72

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		550	962.52	-44.42	-155.29	-68.56	-131.15	45.76	360.15	83.15	124.80	318.50	-99.00
		566	574.91	72.06	-138.70	63.24	-129.89	42.19	106.89	-110.48	-16.30	12.71	-107.71
		592	333.70	82.30	-55.08	57.46	-30.24	52.87	24.38	-81.14	-65.56	8.80	-37.43
360	4	576	734.43	9.88	-82.15	-53.41	-18.87	42.65	298.36	66.32	68.40	296.28	-21.88
		550	893.37	-40.14	-139.34	-59.19	-120.29	39.07	336.14	79.70	112.29	303.54	-85.42
		566	468.04	58.52	-126.29	51.39	-119.16	35.58	76.32	-101.07	-19.16	-5.58	-88.44
		592	253.51	70.21	-43.60	46.61	-20.00	46.14	-2.60	-73.31	-63.06	-12.85	-24.89
360	5	576	741.48	9.64	-82.79	-53.72	-19.43	42.92	301.06	66.90	69.08	298.87	-22.53
		550	900.30	-40.22	-139.70	-59.54	-120.38	39.35	338.83	80.02	113.21	305.64	-86.53
		566	476.56	59.05	-126.47	51.83	-119.25	35.88	78.17	-102.85	-19.17	-5.51	-90.25
		592	259.16	70.61	-44.17	47.01	-20.56	46.39	-1.18	-74.39	-63.30	-12.28	-26.25
360	6	576	753.02	8.95	-85.65	-54.75	-21.96	44.37	305.00	67.72	70.06	302.66	-23.43
		550	913.34	-40.91	-144.60	-60.68	-124.82	40.74	342.69	80.13	114.11	308.72	-88.12
		566	491.34	60.47	-131.18	52.96	-123.66	37.19	81.31	-104.94	-19.54	-4.08	-92.80
		592	269.66	72.13	-47.21	48.04	-23.11	47.91	1.92	-75.65	-63.59	-10.14	-28.11
360	7	576	736.71	9.32	-83.65	-53.96	-20.38	43.34	298.86	66.63	68.82	296.68	-22.43
		550	896.18	-40.39	-141.25	-59.81	-121.83	39.76	336.72	79.60	112.85	303.47	-86.29
		566	476.61	59.50	-127.99	52.20	-120.69	36.27	78.76	-101.74	-18.88	-4.10	-89.95
		592	259.82	71.04	-45.22	47.34	-21.52	46.84	-0.06	-73.75	-62.91	-10.89	-26.10
360	8	576	624.16	5.72	-81.06	-52.20	-23.13	40.88	251.56	57.94	60.73	248.78	-23.04
		550	772.26	-37.15	-127.38	-57.95	-106.58	38.00	287.91	65.07	100.05	252.93	-81.07
		566	470.91	61.24	-112.90	53.86	-105.53	35.07	88.51	-87.89	-14.80	15.42	-86.90
		592	274.69	69.44	-44.68	48.94	-24.18	43.81	22.20	-65.05	-54.12	11.27	-28.88
360	9	576	606.86	4.52	-68.99	-43.40	-21.06	35.01	244.54	54.37	56.94	241.97	-21.97
		550	723.31	-30.68	-108.98	-48.10	-91.56	32.57	272.22	61.74	91.37	242.59	-73.21
		566	427.23	49.60	-97.15	43.14	-90.69	30.10	74.15	-90.58	-14.11	-2.33	-82.15
		592	244.76	56.94	-39.74	39.13	-21.93	37.48	12.67	-64.15	-48.53	-2.95	-30.92
360	10	576	549.79	4.76	-64.53	-40.79	-18.98	32.89	221.77	49.81	51.99	219.59	-19.24
		550	664.36	-29.69	-104.76	-45.26	-89.19	30.44	249.56	58.93	86.23	222.26	-66.78
		566	383.99	46.99	-94.14	41.20	-88.35	28.00	69.82	-76.42	-10.49	3.88	-72.77
		592	219.52	54.26	-36.67	37.42	-19.83	35.33	12.36	-55.87	-44.73	1.21	-25.23
360	11	576	529.70	6.07	-58.04	-36.88	-15.08	30.15	214.57	47.35	48.95	212.97	-16.29
		550	637.31	-27.69	-98.86	-40.88	-85.68	27.65	239.93	57.19	80.29	216.83	-60.73
		566	337.99	40.55	-89.96	35.48	-84.89	25.22	55.71	-73.44	-12.29	-5.45	-64.49
		592	184.89	48.63	-32.32	32.18	-15.87	32.57	-0.08	-52.86	-43.63	-9.30	-20.05
361	1	566	728.96	58.33	-139.02	53.53	-134.22	30.41	26.77	-225.35	-195.60	-2.98	-81.33
		452	1557.21	55.74	-220.62	50.47	-215.36	37.78	-8.09	-545.25	-527.44	-25.90	-96.18
		82	1591.85	113.41	-219.21	109.56	-215.36	35.60	4.55	-536.84	-525.92	-6.38	-76.11
		551	739.06	111.48	-138.54	107.16	-134.22	32.59	33.07	-210.60	-194.07	16.54	-61.27
361	2	566	652.66	54.54	-115.62	52.80	-113.87	17.13	27.55	-200.76	-178.34	5.14	-67.94
		452	1387.57	52.20	-208.38	49.68	-205.86	25.51	3.61	-477.85	-461.78	-12.45	-86.47
		82	1429.24	110.78	-207.57	109.11	-205.90	23.02	0.95	-480.38	-471.01	-8.42	-66.49
		551	673.39	108.48	-115.56	106.75	-113.83	19.62	20.23	-198.64	-187.58	9.17	-47.95
361	3	566	644.47	56.29	-122.43	54.28	-120.42	18.86	35.87	-190.40	-167.47	12.94	-68.28
		452	1307.39	53.80	-224.42	50.94	-221.56	28.07	14.26	-438.62	-422.16	-2.20	-84.75
		82	1348.73	116.44	-223.51	114.54	-221.62	25.33	11.16	-440.41	-430.55	1.30	-66.00
		551	665.41	114.02	-122.35	112.03	-120.36	21.60	28.45	-187.87	-175.86	16.44	-49.53
361	4	566	613.41	45.33	-128.22	39.23	-122.12	31.97	11.19	-194.45	-179.21	-4.05	-53.87
		452	1384.91	43.31	-221.93	36.96	-215.58	40.54	-0.85	-479.04	-466.62	-13.27	-76.06
		82	1431.09	82.92	-220.56	78.09	-215.73	37.95	5.50	-483.15	-478.87	1.22	-45.50
		551	640.64	82.44	-127.80	76.60	-121.96	34.55	13.10	-194.11	-191.46	10.45	-23.30
361	5	566	617.13	45.82	-128.23	39.82	-122.23	31.75	11.57	-195.59	-179.47	-4.55	-55.50
		452	1390.82	43.80	-220.61	37.55	-214.35	40.19	-1.75	-481.85	-469.14	-14.46	-77.08
		82	1435.45	83.74	-219.25	78.99	-214.50	37.65	5.36	-484.83	-480.27	0.80	-47.06
		551	641.78	83.20	-127.81	77.47	-122.08	34.29	13.89	-193.77	-190.60	10.71	-25.48
361	6	566	632.07	47.63	-136.18	40.63	-129.19	35.18	14.13	-197.89	-180.41	-3.35	-58.32
		452	1406.26	45.42	-230.42	38.28	-223.28	43.80	-0.44	-485.08	-471.95	-13.57	-78.69
		82	1449.80	86.64	-228.90	81.16	-223.43	41.20	9.47	-485.71	-480.83	4.60	-48.88
		551	653.99	86.21	-135.67	79.58	-129.04	37.77	18.73	-193.20	-189.30	14.82	-28.50
361	7	566	616.56	46.19	-130.52	39.90	-124.23	32.73	13.44	-193.67	-177.59	-2.64	-55.43
		452	1372.98	44.07	-224.25	37.56	-217.73	41.30	0.83	-473.05	-460.27	-11.95	-76.76
		82	1418.10	85.37	-222.82	80.43	-217.88	38.72	7.28	-476.24	-471.62	2.67	-47.00
		551	641.81	84.81	-130.06	78.85	-124.09	35.31	15.20	-192.17	-188.94	11.97	-25.68
361	8	566	528.93	45.36	-94.80	44.29	-93.73	12.16	34.18	-154.08	-136.81	16.91	-54.34
		452	1002.03	43.00	-177.78	41.24	-176.02	19.64	21.58	-328.59	-314.63	7.62	-68.51
		82	1032.37	101.29	-177.11	100.19	-176.02	17.43	5.69	-335.28	-326.62	-2.97	-53.63
		551	544.03	98.88	-94.80	97.81	-93.73	14.37	15.79	-158.27	-148.81	6.32	-39.46
361	9	566	485.29	39.14	-96.36	35.42	-92.64	22.15	14.16	-151.58	-132.14	-5.28	-53.33
		452	1082.00	37.56	-154.30	33.56	-150.30	27.40	-9.52	-381.12	-369.67	-20.97	-64.20
		82	1108.26	71.85	-153.34	68.84	-150.34	25.84	4.71	-374.45	-368.01	-1.73	-49.01
		551	494.45	70.90	-96.04	67.46	-92.60	23.71	23.41	-139.93	-130.48	13.96	-38.14
361	10	566	437.99	37.85	-86.99	35.84	-84.98	15.73	19.21	-132.16	-116.52	3.57	-46.08

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		452	942.60	36.37	-156.29	33.82	-153.74	22.01	2.86	-321.85	-311.19	-7.80	-57.86
		82	973.26	73.40	-155.60	71.61	-153.82	20.13	8.36	-320.85	-315.03	2.53	-43.39
		551	454.00	72.13	-86.88	70.16	-84.90	17.61	20.98	-127.43	-120.36	13.90	-31.62
361	11	566	431.34	33.25	-94.84	28.25	-89.85	24.79	7.09	-136.27	-123.71	-5.48	-40.54
		452	998.08	31.86	-159.77	26.79	-154.70	30.75	-5.22	-347.75	-338.85	-14.12	-54.49
		82	1029.93	57.03	-158.78	53.07	-154.82	28.95	7.64	-346.24	-342.96	4.36	-33.88
		551	447.86	56.96	-94.54	52.14	-89.72	26.59	15.77	-130.59	-127.82	13.00	-19.94
362	1	592	536.80	54.29	-149.63	53.59	-148.93	-11.99	66.96	-146.25	-40.29	-39.00	-106.60
		566	397.59	50.36	-147.12	49.71	-146.46	-11.40	28.77	-118.97	-48.50	-41.70	-73.79
		551	539.48	-24.57	-147.09	-25.71	-145.95	-11.76	180.26	1.14	36.98	144.43	-71.66
		577	642.47	-28.51	-150.55	-29.63	-149.43	-11.63	212.40	-20.08	45.19	147.13	-104.47
362	2	592	467.54	52.46	-130.06	51.41	-129.00	-13.82	56.58	-127.48	-36.76	-34.14	-92.02
		566	332.23	48.62	-125.04	47.64	-124.07	-12.96	19.96	-100.40	-43.34	-37.10	-60.10
		551	459.64	-23.99	-125.37	-25.80	-123.56	-13.40	158.19	9.64	38.45	129.39	-58.73
		577	560.10	-27.86	-131.28	-29.63	-129.51	-13.38	189.31	-11.93	45.03	132.35	-90.65
362	3	592	448.43	52.84	-133.93	51.70	-132.79	-14.55	60.55	-118.22	-34.58	-23.09	-89.20
		566	318.29	49.08	-132.28	47.98	-131.18	-14.07	26.14	-92.15	-39.81	-26.20	-58.75
		551	464.27	-22.37	-132.61	-24.28	-130.70	-14.39	158.70	10.32	38.27	130.75	-58.02
		577	557.36	-26.14	-135.16	-28.03	-133.27	-14.23	188.02	-10.66	43.50	133.86	-88.47
362	4	592	401.15	43.26	-117.92	43.06	-117.71	-5.76	33.77	-118.34	-36.15	-48.42	-75.81
		566	288.27	40.07	-133.74	39.77	-133.43	-7.26	2.69	-90.30	-42.29	-45.31	-46.47
		551	402.49	-21.96	-133.55	-22.39	-133.12	-6.95	133.90	20.23	33.97	120.16	-37.06
		577	457.66	-25.10	-118.42	-25.50	-118.03	-6.07	155.32	1.85	40.11	117.06	-66.39
362	5	592	408.22	43.56	-118.62	43.33	-118.40	-6.04	35.56	-119.89	-36.22	-48.11	-77.49
		566	294.47	40.35	-133.84	40.03	-133.52	-7.47	4.33	-92.02	-42.41	-45.28	-48.15
		551	408.24	-21.94	-133.67	-22.40	-133.20	-7.18	135.96	18.96	33.96	120.96	-39.11
		577	466.09	-25.10	-119.14	-25.53	-118.71	-6.33	157.92	0.36	40.14	118.13	-68.45
362	6	592	415.67	44.26	-124.56	44.05	-124.35	-5.86	38.77	-120.75	-36.44	-45.53	-79.63
		566	301.75	41.03	-141.46	40.73	-141.15	-7.48	7.81	-93.05	-42.60	-42.65	-50.43
		551	427.23	-21.59	-141.27	-22.02	-140.84	-7.13	141.09	17.78	33.69	125.17	-41.34
		577	483.51	-24.76	-125.05	-25.15	-124.66	-6.21	162.77	-0.63	39.85	122.29	-70.54
362	7	592	403.39	43.80	-120.38	43.57	-120.15	-6.12	36.14	-117.78	-35.88	-45.76	-76.80
		566	290.21	40.59	-136.07	40.26	-135.74	-7.60	5.28	-90.02	-41.80	-42.95	-47.65
		551	409.20	-21.78	-135.89	-22.25	-135.42	-7.30	135.89	19.31	34.02	121.18	-38.71
		577	465.63	-24.94	-120.90	-25.37	-120.47	-6.43	157.54	0.77	39.94	118.37	-67.86
362	8	592	347.65	45.32	-108.49	44.12	-107.29	-13.58	49.72	-89.75	-27.88	-12.15	-69.29
		566	236.72	42.04	-103.29	40.91	-102.17	-12.74	19.64	-69.41	-33.74	-16.02	-43.64
		551	350.88	-19.57	-103.83	-21.67	-101.73	-13.15	120.34	7.98	29.92	98.40	-44.54
		577	433.77	-22.90	-109.77	-24.94	-107.73	-13.17	146.70	-8.64	35.79	102.27	-70.20
362	9	592	363.59	35.16	-99.41	34.81	-99.06	-6.86	42.19	-101.07	-27.37	-31.51	-71.60
		566	272.41	32.64	-101.42	32.28	-101.06	-6.88	17.86	-81.63	-31.70	-32.06	-49.74
		551	367.88	-15.90	-101.33	-16.47	-100.75	-6.99	123.29	3.77	26.32	100.74	-46.76
		577	431.14	-18.42	-99.93	-18.98	-99.37	-6.75	143.16	-11.20	30.66	101.30	-68.62
362	10	592	314.04	34.31	-90.65	33.76	-90.10	-8.28	38.51	-85.37	-24.20	-22.67	-61.93
		566	228.12	31.88	-93.13	31.32	-92.57	-8.36	16.26	-66.59	-26.87	-23.45	-41.39
		551	326.48	-14.76	-93.20	-15.68	-92.28	-8.45	111.35	8.83	27.04	93.14	-39.18
		577	384.05	-17.18	-91.31	-18.09	-90.39	-8.20	129.63	-5.99	29.92	93.93	-59.73
362	11	592	297.10	29.62	-85.52	29.51	-85.41	-3.45	26.65	-87.02	-25.23	-35.14	-56.62
		566	220.13	27.47	-98.29	27.29	-98.11	-4.70	6.32	-67.33	-28.42	-32.59	-36.77
		551	306.13	-14.19	-98.15	-14.42	-97.92	-4.42	101.65	12.89	24.49	90.05	-29.92
		577	343.18	-16.29	-85.81	-16.49	-85.61	-3.74	115.66	-0.47	27.69	87.50	-49.77
363	1	551	1103.00	111.86	-196.54	109.39	-194.06	27.51	163.21	-250.07	-179.81	92.95	-155.24
		82	1689.13	108.16	-254.44	105.77	-252.05	29.34	76.23	-526.76	-501.96	51.44	-119.73
		457	1455.79	50.59	-254.61	47.37	-251.40	31.18	43.59	-474.23	-441.21	10.57	-126.53
		567	944.02	46.94	-197.45	44.21	-194.72	25.67	149.76	-216.73	-119.05	52.08	-162.04
363	2	551	994.97	111.21	-168.49	110.62	-167.89	12.91	148.25	-226.14	-167.08	89.19	-136.47
		82	1529.98	107.52	-221.49	106.88	-220.84	14.55	69.74	-476.68	-456.14	49.19	-103.94
		457	1309.93	47.04	-221.17	46.05	-220.18	16.25	35.43	-431.28	-402.13	6.28	-112.94
		567	843.40	43.33	-169.14	42.74	-168.55	11.21	132.46	-199.26	-113.08	46.28	-145.47
363	3	551	974.31	115.52	-173.28	115.40	-173.16	5.87	152.03	-214.35	-156.64	94.33	-133.47
		82	1452.50	111.79	-245.82	111.61	-245.63	8.20	77.37	-437.98	-417.35	56.74	-101.03
		457	1245.73	51.84	-245.26	51.47	-244.90	10.46	48.99	-394.59	-364.85	19.25	-110.94
		567	833.42	48.33	-173.95	48.27	-173.89	3.61	140.77	-188.08	-104.15	56.84	-143.38
363	4	551	931.80	87.43	-194.60	80.71	-187.88	43.02	127.67	-208.63	-168.44	87.47	-109.10
		82	1528.98	83.89	-243.47	77.70	-237.28	44.58	69.16	-476.23	-464.31	57.23	-79.75
		457	1295.35	37.13	-244.51	29.36	-236.73	46.14	25.73	-427.19	-413.55	12.08	-77.42
		567	733.90	34.46	-196.14	26.75	-188.43	41.45	95.73	-171.09	-117.68	42.32	-106.76
363	5	551	937.16	87.93	-193.88	81.44	-187.39	42.26	129.05	-210.00	-168.24	87.28	-111.43
		82	1532.95	84.40	-243.75	78.43	-237.78	43.86	69.12	-477.62	-465.08	56.58	-81.84
		457	1299.93	37.57	-244.74	30.05	-237.23	45.45	26.40	-428.37	-413.88	11.91	-79.89
		567	742.01	34.87	-195.37	27.45	-187.95	40.67	98.28	-172.70	-117.04	42.61	-109.48
363	6	551	955.79	89.65	-201.88	83.15	-195.38	43.03	133.68	-211.68	-168.36	90.36	-114.38

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		82	1547.65	86.07	-258.64	80.12	-252.69	44.87	73.17	-477.60	-464.40	59.97	-84.24
		457	1314.30	39.50	-259.58	32.04	-252.11	46.66	31.84	-427.51	-412.33	16.67	-82.11
		567	761.08	36.78	-203.27	29.47	-195.97	41.24	104.20	-173.43	-116.29	47.06	-112.25
363	7	551	935.63	88.96	-196.04	82.69	-189.77	41.80	129.46	-208.41	-166.94	87.98	-110.87
		82	1516.40	85.40	-249.11	79.64	-243.35	43.51	70.45	-469.25	-456.81	58.01	-80.99
		457	1285.69	38.20	-250.05	30.93	-242.78	45.19	29.63	-419.91	-405.51	15.23	-79.15
		567	742.78	35.45	-197.47	28.32	-190.34	40.12	100.27	-170.70	-115.64	45.20	-109.03
363	8	551	787.54	100.93	-137.69	100.91	-137.66	2.35	115.63	-179.45	-133.19	69.38	-107.28
		82	1112.49	97.54	-194.97	97.48	-194.91	4.17	55.58	-334.30	-318.93	40.20	-75.87
		457	950.40	42.53	-194.43	42.38	-194.28	5.98	46.52	-293.44	-270.07	23.15	-86.02
		567	685.45	39.41	-138.30	39.41	-138.29	0.55	119.86	-151.87	-84.33	52.32	-117.43
363	9	551	742.16	71.30	-136.19	69.08	-133.97	21.34	112.58	-164.60	-119.34	67.32	-102.46
		82	1178.51	68.92	-175.94	66.81	-173.84	22.62	55.38	-367.53	-351.31	39.16	-81.23
		457	1014.79	33.33	-176.17	30.58	-173.41	23.87	24.26	-334.66	-313.80	3.40	-83.99
		567	622.09	31.07	-136.83	28.63	-134.39	20.09	94.38	-144.65	-81.83	31.56	-105.22
363	10	551	671.03	72.86	-122.80	72.41	-122.35	9.32	106.43	-144.82	-106.47	68.09	-90.36
		82	1047.20	70.55	-170.76	70.06	-170.27	10.87	56.03	-318.23	-304.30	42.11	-70.83
		457	897.82	33.61	-170.55	32.86	-169.80	12.36	27.22	-290.38	-271.38	8.22	-75.33
		567	560.69	31.29	-123.22	30.89	-122.82	7.84	89.41	-128.76	-73.55	34.20	-94.85
363	11	551	660.68	59.13	-139.33	54.50	-134.70	29.97	96.28	-143.38	-112.98	65.89	-79.75
		82	1100.01	56.79	-178.42	52.57	-174.19	31.25	53.75	-340.29	-330.44	43.90	-61.51
		457	936.65	27.30	-179.05	22.06	-173.81	32.47	17.93	-308.90	-297.75	6.79	-59.31
		567	520.44	25.59	-140.22	20.45	-135.08	28.74	69.05	-120.57	-80.29	28.77	-77.56
364	1	577	771.98	-34.35	-158.32	-34.63	-158.04	5.89	266.10	21.75	41.35	246.51	-66.36
		551	946.27	-38.99	-206.46	-39.09	-206.36	4.15	328.51	24.54	83.86	269.19	-120.46
		567	524.42	41.39	-205.57	41.37	-205.55	2.22	91.19	-117.49	-28.03	1.72	-103.28
		593	338.10	37.78	-159.16	37.47	-158.85	7.81	9.32	-100.82	-70.53	-20.97	-49.18
364	2	577	695.28	-33.61	-126.79	-33.89	-126.51	5.12	245.77	25.87	41.05	230.59	-55.75
		551	863.97	-38.16	-178.04	-38.24	-177.96	3.24	306.01	32.27	84.73	253.56	-107.74
		567	451.96	39.54	-177.16	39.53	-177.15	1.22	78.30	-103.18	-22.50	-2.38	-90.18
		593	279.27	36.10	-127.63	35.79	-127.32	7.14	-2.47	-89.07	-66.18	-25.35	-38.19
364	3	577	693.71	-31.86	-122.30	-31.88	-122.28	1.32	246.12	24.72	39.75	231.09	-55.70
		551	861.44	-36.00	-181.61	-36.01	-181.60	-0.92	305.21	32.56	83.72	254.06	-106.45
		567	452.46	36.63	-180.83	36.58	-180.78	-3.19	85.12	-95.09	-20.15	10.17	-88.82
		593	285.00	33.23	-123.19	33.15	-123.10	3.59	7.45	-84.37	-64.12	-12.80	-38.07
364	4	577	618.67	-32.78	-150.66	-34.65	-148.78	14.76	211.04	29.65	35.61	205.08	-32.33
		551	765.15	-38.09	-202.32	-39.10	-201.31	12.84	263.49	43.17	74.92	231.75	-77.37
		567	308.55	40.92	-200.97	40.44	-200.49	10.77	39.14	-69.00	-20.35	-9.52	-53.80
		593	194.58	38.11	-151.11	36.61	-149.61	16.82	-33.27	-62.56	-59.65	-36.18	-8.76
364	5	577	623.71	-32.72	-149.87	-34.48	-148.11	14.25	212.98	29.09	35.71	206.37	-34.25
		551	771.73	-37.97	-201.63	-38.91	-200.70	12.32	265.93	41.85	75.01	232.77	-79.56
		567	318.92	40.62	-200.31	40.18	-199.87	10.26	41.80	-71.53	-20.73	-9.00	-56.36
		593	199.47	37.80	-150.36	36.37	-148.93	16.31	-31.17	-64.26	-60.04	-35.39	-11.04
364	6	577	641.15	-32.70	-155.91	-34.16	-154.45	13.32	217.87	28.26	35.46	210.67	-36.24
		551	790.32	-37.81	-209.44	-38.56	-208.69	11.32	271.11	40.75	74.74	237.11	-81.71
		567	335.09	40.23	-208.20	39.89	-207.86	9.20	46.28	-71.84	-21.18	-4.38	-58.46
		593	211.67	37.36	-156.52	36.13	-155.28	15.44	-25.94	-65.35	-60.47	-30.83	-12.99
364	7	577	624.46	-32.69	-150.70	-34.31	-149.08	13.74	213.06	29.04	35.59	206.50	-34.11
		551	772.77	-37.89	-203.80	-38.72	-202.96	11.76	265.96	41.94	74.92	232.98	-79.37
		567	321.07	40.32	-202.51	39.94	-202.13	9.66	43.19	-69.85	-20.42	-6.23	-56.07
		593	201.99	37.50	-151.25	36.16	-149.91	15.85	-28.91	-63.54	-59.75	-32.70	-10.81
364	8	577	550.12	-27.87	-94.27	-27.91	-94.23	1.61	196.34	20.43	33.09	183.68	-45.46
		551	695.27	-31.50	-144.72	-31.50	-144.72	-0.28	246.04	23.78	67.38	202.44	-88.27
		567	381.65	31.69	-144.04	31.66	-144.01	-2.22	72.72	-78.17	-18.50	13.05	-73.77
		593	239.20	28.77	-95.04	28.67	-94.94	3.55	9.65	-68.15	-52.79	-5.71	-30.97
364	9	577	521.20	-22.69	-109.57	-22.94	-109.31	4.72	179.33	16.25	27.76	167.82	-41.76
		551	634.69	-25.81	-142.52	-25.91	-142.41	3.52	220.84	21.08	57.93	183.99	-77.48
		567	329.58	27.49	-141.90	27.46	-141.87	2.21	55.38	-75.24	-17.01	-2.85	-64.93
		593	210.04	25.15	-110.12	24.88	-109.85	6.03	-0.68	-65.53	-47.18	-19.02	-29.21
364	10	577	478.08	-21.34	-89.52	-21.41	-89.45	2.18	168.33	17.79	26.87	159.25	-35.84
		551	587.96	-24.19	-128.66	-24.20	-128.66	0.71	207.95	25.49	57.85	175.58	-69.70
		567	289.46	24.81	-128.11	24.81	-128.11	-0.80	51.96	-62.75	-12.63	1.84	-56.90
		593	180.96	22.60	-90.12	22.48	-90.00	3.69	-1.80	-56.31	-43.62	-14.49	-23.04
364	11	577	449.40	-21.77	-108.23	-22.68	-107.32	8.85	152.79	19.60	24.49	147.91	-25.03
		551	549.17	-25.14	-144.18	-25.62	-143.71	7.51	189.14	29.90	52.87	166.17	-55.95
		567	223.63	26.86	-143.37	26.65	-143.15	6.09	30.46	-49.90	-13.20	-6.24	-40.03
		593	141.10	24.93	-108.67	24.14	-107.87	10.27	-20.56	-45.53	-41.59	-24.50	-9.11
365	1	567	628.91	71.24	-168.42	57.30	-154.49	-56.08	30.55	-195.88	-176.24	10.91	-63.73
		457	1210.83	63.88	-233.58	55.56	-225.26	-49.03	19.80	-407.61	-390.37	2.55	-84.10
		93	1222.46	92.41	-233.66	84.17	-225.42	-51.15	-9.35	-419.22	-409.43	-19.13	-62.56
		552	630.75	94.80	-166.02	83.11	-154.33	-53.95	-1.58	-204.50	-195.31	-10.77	-42.19
365	2	567	549.01	81.38	-138.71	57.46	-114.79	-68.50	21.36	-176.35	-162.68	7.69	-50.16

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		457	1096.28	70.88	-197.44	55.81	-182.37	-61.77	14.05	-374.80	-359.89	-0.86	-74.68
		93	1120.55	97.31	-197.07	82.76	-182.53	-63.79	-24.78	-396.03	-387.60	-33.21	-55.32
		552	571.40	102.15	-135.02	81.77	-114.64	-66.47	-19.13	-195.93	-190.39	-24.66	-30.79
365	3	567	538.18	96.11	-144.46	62.69	-111.04	-83.20	33.41	-165.45	-151.39	19.35	-50.97
		457	1042.03	80.28	-223.77	61.15	-204.64	-73.83	30.05	-342.30	-325.68	13.43	-76.89
		93	1059.36	102.98	-224.04	83.88	-204.94	-76.68	-17.72	-367.95	-358.26	-27.41	-57.45
		552	557.04	112.20	-139.69	83.24	-110.73	-80.35	-15.58	-189.87	-183.97	-21.48	-31.53
365	4	567	556.45	41.02	-166.59	39.08	-164.65	-20.00	8.85	-171.29	-169.29	6.86	-18.85
		457	1090.33	38.37	-194.33	37.09	-193.05	-17.26	7.21	-370.84	-367.39	3.75	-35.97
		93	1116.68	75.44	-194.16	74.23	-192.95	-18.03	-13.97	-382.36	-382.05	-14.28	-10.78
		552	585.28	74.06	-166.29	72.52	-164.74	-19.23	-10.95	-184.18	-183.95	-11.18	6.34
365	5	567	557.95	41.73	-166.20	39.54	-164.02	-21.20	9.53	-171.86	-169.28	6.95	-21.48
		457	1092.29	38.97	-196.83	37.56	-195.42	-18.16	7.81	-370.99	-367.05	3.87	-38.45
		93	1117.40	75.64	-196.68	74.31	-195.34	-19.02	-13.12	-381.94	-381.46	-13.60	-13.29
		552	584.61	74.36	-165.83	72.63	-164.10	-20.33	-10.44	-183.77	-183.69	-10.52	3.68
365	6	567	570.91	43.98	-174.11	41.41	-171.55	-23.51	14.24	-172.37	-169.20	11.07	-24.12
		457	1102.59	41.01	-211.58	39.46	-210.03	-19.75	13.03	-369.32	-364.89	8.59	-40.94
		93	1123.69	76.51	-211.50	74.99	-209.99	-20.84	-9.34	-380.03	-379.39	-9.98	-15.37
		552	592.58	75.44	-173.62	73.41	-171.59	-22.42	-7.49	-183.72	-183.70	-7.50	1.45
365	7	567	558.77	42.97	-167.78	40.39	-165.20	-23.16	12.36	-169.92	-167.36	9.80	-21.46
		457	1080.75	40.02	-202.43	38.41	-200.82	-19.69	11.51	-363.52	-359.45	7.43	-38.88
		93	1105.15	76.32	-202.31	74.77	-200.76	-20.69	-11.87	-375.79	-375.28	-12.38	-13.61
		552	585.09	75.17	-167.30	73.13	-165.26	-22.16	-9.93	-183.27	-183.19	-10.01	3.81
365	8	567	446.22	82.69	-114.25	51.73	-83.29	-71.69	32.69	-135.42	-123.76	21.03	-42.71
		457	796.59	67.74	-180.80	50.17	-163.23	-63.70	34.95	-254.33	-238.83	19.45	-65.13
		93	806.61	91.49	-180.61	74.34	-163.46	-66.12	-17.15	-280.68	-271.23	-26.60	-49.01
		552	461.87	99.79	-109.30	73.55	-83.06	-69.26	-19.84	-161.34	-156.16	-25.02	-26.58
365	9	567	417.28	44.55	-116.97	37.31	-109.73	-33.41	14.94	-130.79	-120.06	4.22	-38.05
		457	844.94	40.62	-157.13	36.23	-152.75	-29.13	6.65	-288.33	-279.11	-2.57	-51.34
		93	856.55	58.45	-157.22	54.08	-152.84	-30.41	-6.18	-293.89	-289.25	-10.81	-36.22
		552	423.16	59.51	-115.74	53.41	-109.64	-32.12	0.02	-134.25	-130.21	-4.02	-22.94
365	10	567	367.99	56.81	-102.10	40.31	-85.59	-48.48	16.70	-114.06	-106.26	8.91	-30.96
		457	751.19	49.01	-150.96	39.33	-141.29	-42.90	12.24	-251.94	-243.17	3.47	-47.33
		93	766.39	63.62	-151.16	53.92	-141.46	-44.60	-10.95	-265.28	-260.82	-15.41	-33.38
		552	382.95	67.77	-99.70	53.48	-85.42	-46.78	-7.48	-126.39	-123.91	-9.97	-17.01
365	11	567	386.55	30.05	-120.78	28.48	-119.21	-15.31	6.41	-118.25	-116.15	4.31	-16.05
		457	786.49	28.24	-145.24	27.28	-144.28	-12.86	3.57	-267.74	-264.96	0.78	-27.36
		93	803.59	49.92	-145.21	48.97	-144.26	-13.57	-5.35	-272.94	-272.56	-5.72	-10.00
		552	404.56	49.28	-120.49	48.02	-119.22	-14.60	-2.19	-123.78	-123.76	-2.20	1.31
366	1	593	519.73	46.34	-168.86	37.91	-160.43	-41.75	52.02	-137.68	-46.13	-39.52	-94.79
		567	367.08	42.64	-156.24	34.28	-147.89	-39.89	20.42	-102.02	-46.79	-34.81	-60.92
		552	394.57	-18.96	-160.20	-31.84	-147.32	-40.66	136.26	13.48	38.07	111.68	-49.13
		578	483.01	-23.43	-173.20	-35.65	-160.99	-40.99	162.58	-16.90	38.72	106.96	-83.00
366	2	593	462.28	46.95	-134.00	37.27	-124.32	-40.73	38.96	-125.64	-41.44	-45.24	-82.28
		567	315.38	43.47	-116.01	33.72	-106.26	-38.20	6.83	-91.67	-41.99	-42.84	-49.25
		552	313.01	-14.71	-122.54	-31.59	-105.66	-39.17	115.42	17.94	40.09	93.27	-40.85
		578	410.96	-20.28	-140.03	-35.39	-124.92	-39.76	143.79	-12.28	40.64	90.87	-73.88
366	3	593	442.02	49.65	-116.97	37.22	-104.54	-43.78	44.40	-116.18	-39.59	-32.18	-80.20
		567	300.79	46.24	-112.89	33.66	-100.31	-42.94	13.54	-83.26	-39.44	-30.27	-48.18
		552	308.06	-9.69	-120.70	-30.57	-99.82	-43.38	115.29	17.47	39.31	93.45	-40.73
		578	414.50	-13.65	-125.58	-34.20	-105.03	-43.33	142.67	-11.98	39.16	91.54	-72.75
366	4	593	360.38	35.44	-207.48	32.54	-204.58	-26.40	4.30	-96.34	-38.30	-53.74	-49.72
		567	234.06	31.81	-166.73	29.52	-164.44	-21.22	-24.61	-60.76	-37.32	-48.05	-17.26
		552	303.47	-25.00	-167.54	-28.81	-163.73	-22.99	89.89	43.36	43.81	89.43	-4.59
		578	345.85	-28.96	-208.73	-32.40	-205.29	-24.62	105.61	20.96	42.83	83.74	-37.05
366	5	593	365.15	35.73	-203.68	32.66	-200.61	-26.94	6.84	-98.23	-38.64	-52.74	-52.06
		567	236.75	32.13	-166.08	29.63	-163.57	-22.14	-22.09	-62.54	-37.68	-46.95	-19.69
		552	306.15	-24.61	-166.98	-28.71	-162.88	-23.80	91.64	42.31	43.29	90.66	-6.89
		578	350.32	-28.57	-205.00	-32.27	-201.30	-25.29	108.24	18.94	42.32	84.87	-39.26
366	6	593	366.20	36.18	-207.29	32.87	-203.98	-28.20	10.47	-97.71	-39.13	-48.10	-53.90
		567	235.38	32.60	-173.56	29.80	-170.76	-23.86	-18.46	-61.67	-38.06	-42.07	-21.51
		552	319.63	-24.23	-174.51	-28.65	-170.10	-25.38	95.51	41.45	42.79	94.18	-8.39
		578	362.10	-28.15	-208.67	-32.19	-204.64	-26.69	111.85	18.01	41.71	88.14	-40.78
366	7	593	358.38	35.98	-203.01	32.77	-199.80	-27.51	7.62	-95.87	-38.37	-49.88	-51.42
		567	230.56	32.39	-167.15	29.72	-164.49	-22.91	-21.27	-60.16	-37.26	-44.17	-19.14
		552	306.80	-24.41	-168.12	-28.72	-163.81	-24.51	91.57	42.37	43.24	90.70	-6.49
		578	348.92	-28.37	-204.38	-32.27	-200.48	-25.92	107.86	19.26	42.13	84.99	-38.77
366	8	593	349.38	43.71	-88.71	32.34	-77.34	-37.10	38.21	-89.91	-32.02	-19.69	-63.76
		567	231.51	40.79	-85.65	29.24	-74.10	-36.42	11.07	-64.43	-33.83	-19.52	-37.06
		552	227.57	-6.38	-93.79	-26.49	-73.68	-36.79	86.66	11.21	29.87	68.00	-32.55
		578	335.25	-9.79	-97.61	-29.64	-77.76	-36.73	111.70	-12.19	31.68	67.83	-59.25
366	9	593	344.25	29.37	-122.32	24.61	-117.56	-26.44	29.24	-92.89	-30.98	-32.67	-61.06

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		567	241.24	26.91	-110.65	22.27	-106.01	-24.82	8.82	-67.45	-30.01	-28.62	-38.13
		552	268.88	-13.82	-112.67	-20.88	-105.62	-25.45	91.92	15.10	28.50	78.52	-29.15
		578	323.28	-16.80	-124.54	-23.39	-117.95	-25.82	108.13	-6.13	27.53	74.46	-52.08
366	10	593	299.94	30.72	-92.99	24.24	-86.51	-27.57	24.98	-80.93	-27.35	-28.60	-52.95
		567	203.98	28.43	-86.09	21.92	-79.58	-26.51	5.03	-57.06	-25.93	-26.10	-31.05
		552	221.14	-9.72	-89.69	-20.17	-79.23	-26.96	80.16	17.43	29.19	68.39	-24.49
		578	274.18	-12.67	-96.78	-22.58	-86.86	-27.12	96.99	-3.32	27.78	65.89	-46.39
366	11	593	263.56	23.97	-143.91	21.81	-141.76	-18.91	6.42	-70.96	-27.09	-37.44	-38.34
		567	174.03	21.59	-120.53	19.78	-118.72	-15.91	-12.25	-45.56	-25.16	-32.65	-16.23
		552	230.15	-16.28	-121.09	-19.10	-118.27	-16.95	69.89	30.03	31.13	68.80	-6.51
		578	258.77	-18.87	-144.79	-21.46	-142.20	-17.87	80.10	13.10	29.20	64.01	-28.63
367	1	552	878.79	99.15	-162.16	96.55	-159.56	-25.92	127.82	-211.95	-158.91	74.79	-123.31
		93	1347.40	94.60	-180.78	92.22	-178.40	-25.48	56.69	-431.13	-412.47	38.04	-93.55
		461	1134.71	27.87	-180.74	24.92	-177.79	-24.66	20.77	-392.22	-364.44	-7.02	-103.45
		568	727.72	24.63	-164.04	20.76	-160.17	-26.74	110.06	-191.20	-110.88	29.73	-133.22
367	2	552	778.50	102.14	-121.34	95.80	-115.00	-37.11	111.57	-195.02	-148.89	65.44	-109.61
		93	1247.95	97.83	-126.87	91.50	-120.54	-37.17	41.81	-412.49	-396.23	25.54	-84.41
		461	1053.62	32.34	-128.85	23.46	-119.98	-36.76	1.89	-382.40	-355.54	-24.97	-97.98
		568	664.88	28.95	-125.30	19.21	-115.56	-37.52	91.07	-184.35	-108.20	14.92	-123.19
367	3	552	743.65	114.52	-114.54	100.04	-100.06	-55.75	113.33	-186.14	-140.92	68.12	-107.22
		93	1189.58	108.07	-144.17	95.53	-131.62	-54.83	47.06	-387.14	-370.29	30.22	-83.85
		461	1001.21	42.94	-147.47	26.41	-130.93	-53.61	6.88	-361.36	-333.52	-20.96	-97.34
		568	672.61	44.53	-123.09	22.19	-100.75	-56.97	91.44	-178.66	-104.15	16.94	-120.72
367	4	552	738.93	80.50	-193.33	80.17	-193.00	9.44	90.12	-167.05	-146.25	69.32	-70.11
		93	1192.62	77.04	-117.81	76.84	-117.60	6.35	35.01	-392.49	-388.84	31.36	-39.34
		461	970.84	17.45	-117.63	17.32	-117.49	4.22	-5.35	-347.80	-339.71	-13.43	-51.99
		568	563.85	13.91	-193.75	13.26	-193.11	11.57	66.41	-139.00	-97.12	24.53	-82.76
367	5	552	744.59	80.81	-191.71	80.56	-191.46	8.23	91.86	-168.72	-146.52	69.66	-72.75
		93	1195.88	77.34	-124.30	77.19	-124.15	5.45	36.42	-391.92	-387.79	32.30	-41.81
		461	975.15	18.00	-124.10	17.91	-124.01	3.57	-2.67	-347.08	-338.40	-11.36	-53.99
		568	571.73	14.40	-192.10	13.91	-191.60	10.11	69.34	-140.46	-97.12	26.00	-84.94
367	6	552	755.33	82.14	-196.67	82.05	-196.58	4.92	95.16	-169.79	-146.69	72.06	-74.74
		93	1202.39	78.62	-136.04	78.60	-136.01	2.39	39.98	-390.31	-385.83	35.50	-43.68
		461	979.76	18.46	-135.83	18.46	-135.83	0.72	0.85	-345.50	-336.44	-8.21	-55.29
		568	579.66	14.63	-196.97	14.42	-196.76	6.59	72.32	-141.26	-97.30	28.35	-86.36
367	7	552	741.35	81.65	-191.38	81.53	-191.26	5.78	91.87	-167.66	-145.74	69.95	-72.18
		93	1183.96	78.15	-126.61	78.10	-126.57	3.09	37.28	-386.46	-382.40	33.22	-41.27
		461	963.55	18.07	-126.42	18.06	-126.41	1.30	-1.48	-341.95	-333.38	-10.05	-53.35
		568	567.77	14.29	-191.70	14.01	-191.42	7.58	69.41	-139.45	-96.72	26.68	-84.25
367	8	552	606.52	101.15	-88.14	87.95	-74.95	-48.21	85.06	-158.83	-121.35	47.58	-87.95
		93	911.76	95.04	-116.63	83.88	-105.47	-47.30	31.97	-296.77	-283.69	18.89	-64.26
		461	760.61	36.74	-119.88	21.70	-104.84	-46.14	12.76	-270.40	-248.11	-9.53	-76.26
		568	562.29	39.16	-96.82	17.92	-75.57	-49.37	79.58	-146.19	-85.77	19.16	-99.95
367	9	552	587.81	62.74	-116.32	61.77	-115.35	-13.14	87.42	-136.82	-104.51	55.11	-78.74
		93	938.99	60.09	-117.25	59.09	-116.25	-13.28	39.53	-301.78	-290.67	28.41	-60.58
		461	789.88	17.69	-117.20	16.40	-115.91	-13.10	7.07	-277.43	-260.51	-9.86	-67.29
		568	476.57	15.08	-117.05	13.72	-115.69	-13.32	68.11	-125.61	-74.35	16.84	-85.46
367	10	552	512.95	69.53	-88.11	63.71	-82.30	-29.71	79.42	-122.53	-94.52	51.40	-69.81
		93	851.62	66.51	-95.85	60.92	-90.26	-29.59	34.18	-277.34	-267.24	24.07	-55.19
		461	716.36	24.67	-97.32	17.23	-89.88	-29.19	-0.77	-260.16	-243.33	-17.60	-63.90
		568	430.68	23.09	-91.25	14.52	-82.68	-30.11	57.75	-118.63	-70.61	9.73	-78.51
367	11	552	520.57	53.80	-136.00	53.72	-135.92	3.99	69.61	-113.73	-97.72	53.59	-51.76
		93	858.88	51.55	-92.73	51.52	-92.70	2.20	30.53	-279.40	-275.87	27.01	-32.87
		461	704.85	12.82	-92.61	12.81	-92.60	1.00	-3.71	-251.76	-244.95	-10.52	-40.53
		568	394.19	10.38	-136.20	10.20	-136.02	5.20	47.08	-97.81	-66.80	16.07	-59.42
368	1	578	601.12	-37.03	-94.46	-37.62	-93.87	-5.79	218.53	22.21	37.53	203.21	-52.66
		552	785.16	-41.55	-161.15	-42.16	-160.54	-8.52	281.57	27.82	80.05	229.34	-102.60
		568	406.24	30.49	-160.22	29.82	-159.55	-11.28	65.17	-97.56	-21.71	-10.68	-81.18
		594	223.78	26.28	-94.93	26.20	-94.86	-3.03	-16.40	-84.64	-64.23	-36.81	-31.24
368	2	578	522.02	-34.64	-51.15	-36.20	-49.59	-4.83	199.99	26.92	39.31	187.60	-44.62
		552	704.77	-39.79	-115.25	-40.54	-114.50	-7.50	261.85	33.37	82.71	212.51	-94.02
		568	377.70	28.84	-114.27	28.11	-113.55	-10.18	52.84	-95.75	-17.91	-25.01	-74.21
		594	196.54	24.73	-50.60	24.67	-50.54	-2.15	-30.15	-81.07	-61.31	-49.91	-24.81
368	3	578	504.63	-6.91	-38.07	-35.31	-9.68	-8.86	198.23	24.99	37.77	185.46	-45.28
		552	686.24	-36.76	-98.04	-39.43	-95.37	-12.51	259.22	32.19	80.94	210.46	-93.23
		568	371.49	24.67	-96.45	22.53	-94.31	-15.94	54.57	-91.71	-16.69	-20.44	-73.12
		594	187.71	20.53	-11.68	19.59	-10.74	-5.43	-26.48	-78.84	-59.87	-45.45	-25.17
368	4	578	551.09	-32.64	-206.28	-32.67	-206.25	2.23	175.20	40.57	41.09	174.68	-8.36
		552	631.46	-37.03	-202.74	-37.08	-202.69	2.74	218.91	62.83	83.61	198.13	-53.02
		568	259.37	42.49	-202.18	42.47	-202.16	2.57	18.35	-52.71	-8.35	-26.01	-34.42
		594	240.16	38.02	-206.81	38.00	-206.78	2.40	-39.90	-60.43	-50.88	-49.46	10.24
368	5	578	550.22	-32.84	-198.78	-32.86	-198.76	1.88	176.59	39.80	40.63	175.77	-10.61

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		552	637.57	-37.24	-200.72	-37.27	-200.69	2.15	221.56	60.87	82.98	199.46	-55.35
		568	259.56	41.52	-200.13	41.51	-200.12	1.77	20.65	-53.74	-9.04	-24.06	-36.43
		594	229.74	37.13	-199.35	37.11	-199.33	2.26	-41.06	-58.08	-51.39	-47.75	8.31
368	6	578	557.48	-32.93	-198.23	-32.93	-198.23	0.50	179.36	38.93	40.02	178.27	-12.32
		552	648.68	-37.33	-204.95	-37.33	-204.94	0.54	224.89	59.50	82.19	202.21	-56.90
		568	259.87	40.45	-204.35	40.45	-204.35	-0.01	22.72	-53.38	-9.55	-21.10	-37.61
		594	221.71	36.15	-198.83	36.14	-198.83	1.05	-40.66	-56.10	-51.72	-45.05	6.96
368	7	578	547.11	-32.90	-195.58	-32.91	-195.56	1.34	176.17	39.65	40.46	175.36	-10.51
		552	635.74	-37.30	-199.99	-37.32	-199.97	1.49	221.08	60.79	82.74	199.13	-55.10
		568	256.68	40.99	-199.39	40.99	-199.39	1.02	20.74	-52.74	-8.90	-23.11	-36.05
		594	225.93	36.65	-196.16	36.64	-196.15	1.81	-40.22	-57.84	-51.18	-46.88	8.55
368	8	578	411.00	6.74	-31.93	-30.86	5.67	-6.34	157.89	19.06	30.84	146.11	-38.69
		552	556.88	-32.09	-73.38	-34.46	-71.01	-9.61	209.86	21.23	64.09	167.00	-79.05
		568	308.26	21.24	-71.83	19.48	-70.07	-12.68	47.59	-76.24	-16.53	-12.12	-61.88
		594	158.35	17.76	3.91	16.93	4.73	-3.28	-18.29	-64.50	-49.78	-33.01	-21.52
368	9	578	413.75	-24.22	-81.50	-24.43	-81.29	-3.49	147.38	18.90	26.51	139.77	-30.33
		552	524.42	-27.16	-117.23	-27.43	-116.96	-4.91	188.31	26.28	57.25	157.35	-63.71
		568	257.45	21.63	-116.65	21.33	-116.35	-6.43	37.79	-61.36	-11.65	-11.92	-49.57
		594	142.84	18.86	-81.93	18.82	-81.89	-1.98	-18.52	-53.37	-42.39	-29.50	-16.19
368	10	578	353.92	-21.12	-36.53	-23.14	-34.52	-5.20	136.18	20.36	26.64	129.90	-26.23
		552	469.16	-25.00	-81.66	-25.91	-80.75	-7.12	175.84	28.76	57.74	146.86	-58.50
		568	238.11	18.11	-80.94	17.28	-80.11	-9.01	32.19	-58.39	-8.86	-17.34	-45.09
		594	124.08	15.37	-35.37	15.15	-35.15	-3.31	-24.00	-50.26	-39.96	-34.30	-12.82
368	11	578	393.48	-21.83	-139.27	-21.83	-139.27	-8.59e-05	126.54	27.26	27.89	125.91	-7.92
		552	451.58	-24.75	-141.63	-24.75	-141.63	0.13	157.15	43.56	58.44	142.28	-38.32
		568	185.77	27.24	-141.24	27.24	-141.24	-0.17	14.86	-37.47	-4.89	-17.71	-25.37
		594	161.64	24.34	-139.65	24.34	-139.65	0.29	-29.68	-39.83	-35.44	-34.07	5.03
369	1	568	478.04	66.29	-116.93	33.48	-84.12	-70.24	7.60	-167.90	-155.89	-4.41	-44.31
		461	967.01	51.42	-167.22	31.03	-146.84	-63.58	6.97	-342.18	-326.73	-8.47	-71.80
		96	1012.78	88.96	-165.12	70.75	-146.91	-65.55	-34.30	-367.95	-360.17	-42.08	-50.34
		553	530.37	95.03	-110.08	69.00	-84.05	-68.28	-34.63	-192.71	-189.34	-38.01	-22.85
369	2	568	429.41	82.40	-84.44	31.84	-33.88	-76.67	-7.80	-157.83	-148.83	-16.79	-35.62
		461	906.97	61.13	-126.30	29.49	-94.66	-70.21	-9.35	-336.06	-321.93	-23.48	-66.47
		96	973.77	95.00	-122.15	67.59	-94.73	-72.12	-48.99	-367.11	-359.87	-56.24	-47.47
		553	496.44	105.92	-73.81	65.92	-33.80	-74.76	-47.57	-188.75	-186.77	-49.56	-16.62
369	3	568	437.92	114.65	-83.38	33.57	-2.29	-97.38	-4.56	-151.25	-141.89	-13.92	-35.85
		461	863.58	74.99	-142.05	31.26	-98.32	-87.05	-3.26	-318.42	-302.97	-18.71	-68.05
		96	929.75	105.08	-138.53	65.17	-98.62	-90.17	-49.01	-352.40	-344.49	-56.92	-48.34
		553	479.22	130.84	-68.89	63.95	-2.00	-94.26	-50.17	-185.36	-183.41	-52.12	-16.14
369	4	568	444.92	39.46	-148.49	34.18	-143.21	-31.06	-7.56	-141.54	-141.51	-7.60	2.13
		461	839.34	42.41	-98.34	31.69	-87.62	-37.33	-16.72	-305.92	-304.32	-18.32	-21.41
		96	912.43	90.26	-93.99	83.24	-86.97	-35.27	-42.53	-331.70	-331.40	-42.82	-9.26
		553	518.77	84.92	-148.66	80.12	-143.86	-33.12	-30.63	-170.06	-168.58	-32.10	14.28
369	5	568	446.34	39.98	-146.79	34.02	-140.83	-32.82	-6.15	-141.87	-141.87	-6.16	-0.24
		461	841.05	42.06	-105.54	31.51	-94.99	-38.03	-13.98	-304.52	-302.57	-15.92	-23.68
		96	912.11	89.66	-101.55	82.50	-94.39	-36.30	-40.56	-330.15	-329.76	-40.96	-10.71
		553	518.90	84.75	-146.71	79.47	-141.43	-34.56	-30.03	-170.22	-169.05	-31.19	12.73
369	6	568	450.82	41.70	-149.75	34.38	-142.43	-36.69	-4.05	-142.03	-142.00	-4.08	-1.91
		461	843.61	43.42	-115.03	31.89	-103.51	-41.15	-10.82	-302.90	-300.69	-13.04	-25.36
		96	911.98	90.02	-111.11	81.87	-102.96	-39.65	-39.15	-328.71	-328.24	-39.62	-11.71
		553	521.05	85.33	-149.37	78.94	-142.98	-38.19	-29.67	-170.54	-169.55	-30.66	11.74
369	7	568	444.20	41.17	-145.11	34.17	-138.10	-35.43	-5.37	-140.80	-140.80	-5.37	0.06
		461	831.66	43.37	-107.07	31.66	-95.36	-40.30	-12.71	-300.35	-298.38	-14.68	-23.73
		96	903.00	90.43	-102.86	82.35	-94.78	-38.68	-41.06	-326.96	-326.56	-41.45	-10.62
		553	517.43	85.49	-144.81	79.36	-138.68	-37.06	-30.88	-170.24	-168.98	-32.14	13.17
369	8	568	377.07	101.38	-66.01	27.13	8.24	-83.16	1.71	-125.87	-117.53	-6.63	-31.54
		461	658.20	63.14	-117.47	24.94	-79.27	-73.76	8.28	-238.51	-223.63	-6.60	-58.74
		96	710.01	91.85	-113.75	57.62	-79.52	-76.59	-42.08	-270.50	-262.75	-49.83	-41.35
		553	405.19	116.28	-51.38	56.41	8.49	-80.33	-48.01	-158.49	-156.65	-49.86	-14.15
369	9	568	316.08	40.47	-84.44	23.39	-67.36	-42.92	-0.65	-110.24	-104.74	-6.14	-23.91
		461	673.33	34.36	-106.70	21.85	-94.18	-40.10	-3.98	-242.39	-234.68	-11.69	-42.18
		96	710.95	58.88	-105.09	47.94	-94.15	-40.91	-24.08	-258.36	-254.70	-27.74	-29.04
		553	356.95	60.56	-81.25	46.70	-67.39	-42.11	-21.06	-125.89	-124.77	-22.18	-10.77
369	10	568	272.66	63.03	-61.50	23.43	-21.90	-57.99	-7.31	-101.08	-96.97	-11.43	-19.21
		461	617.05	46.76	-92.01	21.98	-67.23	-53.15	-9.79	-229.07	-221.48	-17.38	-40.10
		96	665.08	67.02	-89.51	44.84	-67.32	-54.59	-32.33	-249.64	-245.98	-35.98	-27.93
		553	327.05	76.44	-54.35	43.89	-21.81	-56.55	-29.49	-122.01	-121.47	-30.03	-7.05
369	11	568	304.31	28.48	-104.35	23.89	-99.76	-24.28	-5.95	-97.03	-97.03	-5.96	-0.35
		461	608.13	29.96	-77.75	22.33	-70.11	-27.64	-12.93	-221.50	-220.21	-14.23	-16.37
		96	656.39	59.56	-75.18	54.12	-69.74	-26.53	-26.10	-237.23	-236.96	-26.37	-7.58
		553	354.47	56.35	-104.26	52.22	-100.13	-25.39	-17.36	-114.51	-113.78	-18.10	8.44
370	1	594	420.24	46.29	-82.18	34.21	-70.11	-37.49	26.95	-121.75	-39.36	-55.44	-73.91

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		568	289.47	42.61	-84.63	30.43	-72.46	-37.43	-4.88	-89.97	-41.54	-53.30	-42.14
		553	239.07	-9.38	-94.64	-32.03	-71.99	-37.66	93.68	17.45	37.64	73.49	-33.63
		579	366.92	-12.05	-94.30	-35.78	-70.57	-37.26	122.87	-11.70	39.81	71.36	-65.41
370	2	594	391.65	50.89	-35.59	33.53	-18.23	-34.64	17.14	-121.98	-35.86	-68.98	-67.56
		568	270.99	47.36	-38.76	29.83	-21.23	-34.67	-13.64	-93.20	-38.38	-68.46	-36.83
		553	221.93	9.26	-61.25	-31.21	-20.78	-34.87	81.92	17.03	38.94	60.01	-30.69
		579	347.65	8.61	-62.15	-34.86	-18.68	-34.44	112.55	-11.60	41.46	59.49	-61.42
370	3	594	369.54	73.38	3.53	33.95	42.96	-34.63	18.29	-118.28	-34.83	-65.15	-66.58
		568	255.46	60.88	-17.14	30.12	13.62	-38.13	-12.11	-90.06	-37.22	-64.95	-36.42
		553	230.18	35.13	-51.32	-30.03	13.84	-37.24	78.84	14.69	38.01	55.53	-30.86
		579	357.01	56.74	-47.38	-33.39	42.74	-35.52	109.33	-13.61	40.40	55.33	-61.01
370	4	594	363.40	34.87	-244.48	28.82	-238.43	-40.69	-10.51	-82.33	-26.78	-66.06	-30.06
		568	251.41	30.32	-141.80	25.95	-137.42	-27.08	-26.17	-67.31	-26.19	-67.29	-0.76
		553	221.49	-24.50	-144.98	-33.40	-136.08	-31.51	59.42	48.14	48.58	58.97	2.19
		579	289.81	-31.60	-246.08	-37.91	-239.77	-36.26	81.89	26.31	47.99	60.21	-27.11
370	5	594	356.78	35.24	-234.08	29.11	-227.94	-40.19	-9.01	-82.52	-27.41	-64.13	-31.84
		568	244.71	30.80	-139.48	26.19	-134.87	-27.63	-26.62	-65.16	-26.78	-64.99	-2.49
		553	221.59	-23.93	-142.79	-33.11	-133.60	-31.73	60.33	47.87	47.95	60.25	0.99
		579	287.76	-30.97	-235.78	-37.55	-229.21	-36.09	83.41	25.03	47.32	61.11	-28.36
370	6	594	352.13	35.71	-229.93	29.28	-223.49	-40.84	-7.73	-81.90	-27.88	-61.74	-32.99
		568	239.46	31.34	-140.79	26.31	-135.76	-28.98	-26.97	-62.76	-27.32	-62.41	-3.52
		553	223.23	-23.43	-144.26	-33.15	-134.53	-32.87	61.05	47.40	47.40	61.04	0.25
		579	287.57	-30.51	-231.75	-37.55	-224.72	-36.96	84.43	24.12	46.84	61.71	-29.22
370	7	594	351.36	35.51	-229.12	29.21	-222.82	-40.34	-9.15	-81.52	-27.25	-63.42	-31.34
		568	240.92	31.09	-136.54	26.27	-131.71	-28.03	-26.51	-64.48	-26.61	-64.38	-1.99
		553	217.72	-23.55	-140.06	-33.16	-130.45	-32.06	59.17	47.74	47.90	59.01	1.34
		579	281.79	-30.76	-230.90	-37.58	-224.07	-36.32	82.33	24.89	47.26	59.97	-28.01
370	8	594	292.02	70.59	10.05	29.73	50.92	-28.35	16.48	-92.47	-28.83	-47.16	-53.70
		568	195.04	55.96	-8.03	26.38	21.55	-31.90	-10.93	-69.72	-32.75	-47.91	-28.40
		553	179.75	36.99	-41.04	-25.75	21.70	-30.97	58.05	7.74	28.34	37.45	-24.73
		579	289.81	60.40	-38.25	-28.62	50.77	-29.28	85.35	-14.90	32.25	38.20	-50.03
370	9	594	283.40	28.81	-78.51	22.08	-71.77	-26.03	12.85	-81.52	-25.49	-43.18	-46.34
		568	195.24	26.47	-66.85	19.67	-60.06	-24.25	-7.25	-59.80	-25.45	-41.61	-25.01
		553	167.97	-9.26	-71.98	-21.61	-59.63	-24.94	63.72	18.27	29.03	52.95	-19.32
		579	230.91	-13.31	-83.10	-24.21	-72.20	-25.34	82.36	-1.99	28.99	51.37	-40.66
370	10	594	253.29	35.40	-22.43	21.93	-8.96	-24.44	8.39	-79.94	-22.97	-48.58	-42.27
		568	176.20	32.94	-25.67	19.50	-12.23	-24.64	-10.40	-60.72	-23.05	-48.07	-21.83
		553	144.53	8.85	-41.30	-20.50	-11.95	-24.71	55.16	17.05	29.24	42.97	-17.78
		579	224.89	9.24	-41.37	-22.88	-9.24	-24.37	74.67	-2.89	29.31	42.47	-38.22
370	11	594	255.32	23.64	-161.29	19.33	-156.99	-27.89	-5.56	-60.24	-19.11	-46.69	-23.61
		568	177.37	20.68	-98.52	17.38	-95.22	-19.56	-17.12	-47.09	-17.55	-46.67	-3.55
		553	163.09	-15.91	-100.70	-22.23	-94.38	-22.28	46.06	34.43	34.46	46.04	-0.50
		579	208.31	-20.58	-162.45	-25.19	-157.83	-25.17	61.03	17.88	32.89	46.02	-20.55
371	1	553	723.31	88.40	-89.68	85.59	-86.87	-22.20	95.74	-188.27	-145.56	53.02	-101.52
		96	1153.88	83.52	-119.96	81.28	-117.72	-21.23	29.51	-384.66	-371.83	16.67	-71.77
		465	972.03	23.73	-119.87	20.90	-117.04	-19.96	8.21	-345.51	-323.91	-13.39	-84.70
		569	610.02	21.96	-92.58	16.92	-87.55	-23.47	92.02	-166.71	-97.65	22.96	-114.45
371	2	553	659.24	88.17	-42.24	82.34	-36.40	-26.96	86.32	-179.77	-139.94	46.48	-94.93
		96	1121.98	82.37	-81.28	78.28	-77.18	-25.57	19.13	-385.34	-373.11	6.90	-69.26
		465	957.03	27.98	-82.00	22.48	-76.49	-23.98	-5.36	-352.48	-330.59	-27.25	-84.38
		569	596.82	30.85	-49.09	18.86	-37.09	-28.55	80.43	-165.52	-97.42	12.33	-110.05
371	3	553	613.71	107.39	-13.37	85.06	8.95	-46.88	83.61	-174.02	-134.88	44.46	-92.48
		96	1079.39	92.64	-81.64	80.75	-69.74	-43.95	18.01	-372.49	-360.16	5.69	-68.27
		465	917.95	40.19	-84.34	24.70	-68.85	-41.09	-8.45	-342.75	-320.47	-30.73	-83.37
		569	609.78	64.82	-35.51	21.25	8.06	-49.73	75.75	-162.89	-95.19	8.05	-107.57
371	4	553	623.65	81.30	-164.09	81.26	-164.06	-2.93	71.46	-144.07	-126.60	53.99	-58.83
		96	1016.17	78.44	-57.16	78.02	-56.74	-7.55	14.06	-347.59	-344.28	10.75	-34.45
		465	848.50	22.26	-58.33	20.76	-56.82	-10.90	-13.96	-315.21	-304.75	-24.42	-55.14
		569	508.51	16.33	-163.98	16.33	-163.97	0.42	61.42	-129.66	-87.07	18.82	-79.53
371	5	553	626.95	81.75	-160.77	81.68	-160.70	-4.05	72.59	-145.48	-127.29	54.39	-60.30
		96	1017.02	78.83	-63.89	78.35	-63.41	-8.27	15.63	-346.12	-342.64	12.15	-35.34
		465	847.31	22.18	-64.92	20.69	-63.43	-11.28	-11.67	-312.92	-302.40	-22.20	-55.32
		569	510.36	16.29	-160.68	16.28	-160.68	-1.04	63.00	-130.01	-87.05	20.05	-80.28
371	6	553	628.17	82.46	-159.58	82.25	-159.37	-7.07	73.22	-146.31	-127.71	54.62	-61.14
		96	1016.78	79.66	-68.57	78.83	-67.74	-11.06	16.60	-344.98	-341.39	13.01	-35.86
		465	845.02	22.59	-69.86	20.45	-67.73	-13.88	-10.64	-311.43	-300.85	-21.22	-55.41
		569	509.17	16.12	-159.49	16.02	-159.38	-4.25	63.58	-130.36	-87.18	20.40	-80.69
371	7	553	619.99	82.29	-156.52	82.13	-156.35	-6.26	71.39	-144.81	-126.89	53.47	-59.61
		96	1007.54	79.52	-61.29	78.74	-60.51	-10.42	14.85	-343.42	-340.03	11.46	-34.69
		465	837.88	22.64	-62.68	20.48	-60.52	-13.38	-12.53	-310.46	-300.06	-22.93	-54.69
		569	502.88	16.10	-156.40	16.04	-156.34	-3.30	61.72	-129.56	-86.93	19.08	-79.61
371	8	553	507.82	95.08	-3.73	75.01	16.34	-39.75	60.72	-150.16	-117.53	28.09	-76.27

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		96	829.98	81.07	-66.18	71.06	-56.18	-37.05	8.35	-287.21	-278.02	-0.85	-51.31
		465	695.62	33.23	-68.74	19.85	-55.36	-34.42	-0.13	-256.43	-239.30	-17.26	-64.01
		569	510.91	58.50	-26.27	16.70	15.52	-42.38	66.24	-133.37	-78.81	11.67	-88.96
371	9	553	483.23	57.20	-71.88	55.90	-70.58	-12.91	66.95	-120.26	-94.23	40.92	-64.78
		96	806.17	54.56	-74.87	53.25	-73.55	-12.97	21.56	-269.79	-261.79	13.57	-47.59
		465	682.95	16.49	-75.01	14.69	-73.21	-12.72	-0.95	-247.19	-233.07	-15.07	-57.25
		569	402.96	14.11	-72.96	12.07	-70.92	-13.17	57.37	-110.59	-65.50	12.28	-74.43
371	10	553	418.93	64.29	-26.02	55.61	-17.34	-26.62	60.21	-112.33	-88.29	36.16	-59.75
		96	764.84	59.13	-53.08	52.95	-46.90	-25.59	15.17	-263.02	-255.31	7.46	-45.65
		465	653.75	25.16	-54.79	16.80	-46.44	-24.46	-10.25	-245.61	-231.16	-24.70	-56.51
		569	392.62	30.44	-33.77	14.47	-17.80	-27.76	48.33	-108.47	-64.13	4.00	-70.61
371	11	553	432.45	54.17	-110.98	54.04	-110.85	-4.51	54.70	-97.21	-84.31	41.81	-42.34
		96	730.01	52.44	-46.33	51.89	-45.79	-7.32	14.48	-247.83	-244.88	11.53	-27.64
		465	613.19	15.85	-47.23	14.44	-45.81	-9.34	-11.38	-228.29	-220.26	-19.42	-40.97
		569	346.76	11.61	-110.88	11.56	-110.83	-2.49	41.50	-90.32	-59.69	10.86	-55.67
372	1	579	462.54	0.84	-41.91	-41.53	0.46	4.01	184.23	31.03	40.47	174.79	-36.84
		553	651.62	-47.14	-88.00	-47.14	-87.99	0.07	245.06	34.50	80.23	199.33	-86.82
		569	330.39	33.01	-86.74	32.88	-86.62	-3.84	48.83	-86.21	-19.04	-18.34	-67.52
		595	178.89	30.68	-2.90	28.69	-0.92	7.92	-31.59	-70.10	-58.81	-42.88	-17.53
372	2	579	467.36	61.19	-41.43	-40.90	60.65	7.38	173.53	34.02	42.10	165.45	-32.59
		553	599.17	-35.87	-47.27	-46.43	-36.71	2.98	234.39	37.43	82.59	189.23	-82.80
		569	313.21	30.97	-35.30	30.95	-35.28	-1.27	41.85	-87.85	-17.08	-28.92	-64.58
		595	193.16	62.98	23.22	26.98	59.22	11.63	-40.55	-69.71	-57.56	-52.69	-14.37
372	3	579	505.68	142.55	-41.99	-41.66	142.23	7.73	168.06	32.04	40.69	159.41	-33.20
		553	576.10	13.34	-47.25	-47.20	13.29	1.75	228.88	35.62	81.20	183.31	-82.04
		569	304.65	26.70	13.76	25.50	14.96	-3.75	40.32	-87.64	-15.99	-31.32	-63.52
		595	229.05	142.02	20.58	22.04	140.56	13.23	-41.17	-70.55	-56.50	-55.22	-14.68
372	4	579	509.39	-29.51	-202.91	-29.79	-202.63	-7.02	162.36	49.68	49.69	162.36	0.85
		553	564.94	-33.88	-172.04	-34.07	-171.85	-5.10	203.12	69.51	90.74	181.89	-48.84
		569	264.53	41.75	-171.62	41.66	-171.53	-4.21	18.57	-57.19	-7.36	-31.26	-35.95
		595	242.67	37.14	-203.20	36.88	-202.94	-7.90	-35.81	-63.40	-48.41	-50.80	13.75
372	5	579	502.91	-30.21	-191.08	-30.45	-190.83	-6.33	162.69	48.96	48.97	162.69	-0.59
		553	566.75	-34.64	-168.22	-34.81	-168.05	-4.80	204.42	68.00	89.84	182.57	-50.03
		569	260.86	41.13	-167.75	41.05	-167.66	-4.24	19.52	-56.95	-7.78	-29.66	-36.63
		595	231.84	36.53	-191.43	36.32	-191.22	-6.89	-36.28	-61.91	-48.65	-49.54	12.80
372	6	579	498.35	-30.67	-183.60	-30.95	-183.31	-6.60	162.71	48.35	48.38	162.68	-1.63
		553	567.43	-35.12	-166.16	-35.34	-165.94	-5.34	205.08	66.86	89.11	182.82	-50.80
		569	259.75	40.42	-165.64	40.30	-165.52	-4.99	19.99	-56.98	-8.06	-28.93	-37.04
		595	225.52	35.84	-183.96	35.62	-183.74	-6.95	-36.80	-61.07	-48.79	-49.07	12.13
372	7	579	494.76	-30.38	-184.15	-30.63	-183.90	-6.25	161.24	48.87	48.87	161.24	-0.45
		553	560.54	-34.81	-163.45	-35.00	-163.27	-4.84	203.02	67.88	89.73	181.16	-49.76
		569	259.26	40.80	-162.96	40.71	-162.87	-4.36	19.01	-57.11	-7.63	-30.48	-36.31
		595	230.04	36.21	-184.50	36.00	-184.30	-6.73	-36.40	-62.49	-48.49	-50.40	13.01
372	8	579	413.36	135.61	-36.94	-36.52	135.19	8.48	132.81	24.15	32.65	124.31	-29.18
		553	473.89	19.99	-41.55	-41.40	19.83	3.12	184.93	23.38	63.65	144.66	-69.89
		569	253.70	23.67	19.95	22.31	21.31	-1.79	34.94	-72.24	-16.06	-21.24	-53.53
		595	192.52	135.26	17.74	19.29	133.71	13.39	-31.22	-57.43	-47.06	-41.60	-12.82
372	9	579	322.07	-25.96	-28.27	-26.18	-28.06	0.67	126.45	25.38	29.49	122.35	-19.96
		553	439.63	-29.70	-72.01	-29.73	-71.98	-1.22	165.70	31.16	58.49	138.37	-54.14
		569	216.82	22.96	-71.31	22.85	-71.20	-3.22	28.81	-55.76	-9.98	-16.97	-42.14
		595	109.58	20.14	-28.99	19.99	-28.84	2.67	-27.48	-44.50	-38.99	-32.99	-7.96
372	10	579	321.18	50.80	-26.35	-26.25	50.70	2.73	117.47	25.95	29.61	113.80	-17.94
		553	388.94	-15.70	-29.77	-29.77	-15.71	-0.29	156.62	31.87	59.03	129.47	-51.48
		569	200.65	19.04	-15.06	18.75	-14.77	-3.17	24.47	-56.94	-8.29	-24.18	-39.92
		595	132.71	50.67	15.38	16.29	49.76	5.62	-32.31	-45.24	-37.70	-39.85	-6.38
372	11	579	354.77	-20.05	-130.40	-20.30	-130.15	-5.23	115.62	33.88	33.88	115.62	-0.40
		553	396.45	-22.99	-115.48	-23.18	-115.28	-4.23	143.70	48.92	63.43	129.19	-34.12
		569	186.20	27.07	-115.13	26.97	-115.03	-3.86	13.57	-40.30	-3.88	-22.86	-25.21
		595	163.87	24.04	-130.61	23.84	-130.41	-5.59	-26.28	-43.58	-33.42	-36.43	8.52
373	1	569	429.83	70.62	-62.21	26.43	-18.02	-62.58	-2.38	-156.66	-147.55	-11.49	-36.36
		465	825.25	42.01	-122.10	22.64	-102.73	-52.95	10.85	-293.32	-279.23	-3.24	-63.92
		99	899.75	96.13	-118.47	80.50	-102.83	-55.77	-15.21	-315.89	-312.19	-18.91	-33.15
		555	507.53	106.50	-46.63	77.79	-17.92	-59.76	-26.96	-180.71	-180.51	-27.16	-5.59
373	2	569	422.24	97.21	-38.59	25.98	32.63	-67.82	-12.26	-153.32	-145.54	-20.04	-32.20
		465	815.77	47.65	-99.02	22.02	-73.39	-55.70	-0.51	-300.05	-286.66	-13.90	-61.89
		99	905.37	100.84	-93.77	80.69	-73.61	-59.29	-21.28	-324.57	-321.13	-24.72	-32.13
		555	492.42	123.57	-12.62	78.09	32.86	-64.23	-30.83	-180.05	-180.01	-30.87	-2.44
373	3	569	434.85	153.76	-35.22	25.61	92.92	-88.29	-15.86	-148.84	-141.08	-23.63	-31.18
		465	781.81	63.31	-99.01	21.44	-57.14	-71.01	-3.63	-292.53	-278.77	-17.40	-61.54
		99	873.82	113.26	-91.62	79.28	-57.64	-76.20	-26.62	-318.26	-314.69	-30.19	-32.08
		555	472.92	168.74	1.73	77.05	93.42	-83.10	-36.40	-177.03	-177.00	-36.42	-1.72
373	4	569	406.87	51.69	-122.18	38.78	-109.27	-45.58	-11.85	-133.93	-133.87	-11.92	-2.81

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		465	739.33	60.37	-77.86	36.48	-53.97	-52.27	-5.67	-268.66	-263.99	-10.34	-34.75
		99	847.70	98.87	-69.78	82.39	-53.30	-50.08	-25.78	-304.04	-303.56	-26.27	-11.63
		555	536.06	90.74	-121.31	79.37	-109.94	-47.77	-25.06	-176.22	-173.44	-27.84	20.31
373	5	569	406.20	51.84	-118.82	38.00	-104.97	-46.59	-10.78	-134.08	-133.96	-10.90	-3.80
		465	736.60	58.99	-81.42	35.62	-58.05	-52.30	-3.84	-266.49	-261.66	-8.67	-35.30
		99	842.58	98.28	-73.75	81.97	-57.43	-50.41	-25.09	-301.44	-300.94	-25.59	-11.78
		555	533.43	90.94	-117.55	78.98	-105.59	-48.48	-25.19	-175.87	-173.25	-27.82	19.72
373	6	569	404.73	53.02	-116.63	37.43	-101.04	-49.00	-10.56	-134.15	-134.00	-10.71	-4.37
		465	733.77	59.61	-83.96	35.02	-59.37	-54.09	-3.13	-265.23	-260.28	-8.08	-35.68
		99	838.70	98.95	-76.18	81.54	-58.77	-52.39	-25.25	-300.03	-299.51	-25.77	-11.90
		555	531.48	91.87	-114.92	78.58	-101.63	-50.70	-25.84	-175.79	-173.23	-28.40	19.41
373	7	569	401.23	53.04	-114.28	37.71	-98.95	-48.28	-11.68	-133.44	-133.36	-11.77	-3.29
		465	728.72	60.63	-79.01	35.32	-53.70	-53.79	-4.70	-264.69	-259.90	-9.49	-34.97
		99	835.68	99.37	-70.80	81.66	-53.09	-51.96	-26.62	-300.13	-299.64	-27.10	-11.53
		555	530.12	91.81	-112.68	78.69	-99.56	-50.11	-26.61	-175.87	-173.10	-29.38	20.15
373	8	569	374.67	135.48	-27.97	19.96	87.55	-74.41	-8.06	-124.07	-117.35	-14.79	-27.11
		465	601.10	51.91	-81.44	16.11	-45.64	-59.09	6.15	-218.66	-205.94	-6.57	-51.93
		99	664.87	98.21	-74.17	70.10	-46.06	-63.69	-25.56	-242.83	-239.32	-29.07	-27.38
		555	398.83	148.50	7.44	67.97	87.97	-69.82	-37.23	-150.79	-150.73	-37.28	-2.55
373	9	569	275.78	43.95	-49.41	20.12	-25.58	-40.71	-6.38	-103.44	-99.04	-10.78	-20.19
		465	581.08	31.58	-78.34	17.88	-64.65	-36.30	0.34	-210.18	-202.36	-7.48	-39.81
		99	639.91	64.03	-75.60	53.06	-64.63	-37.57	-10.12	-225.70	-223.89	-11.93	-19.66
		555	347.57	67.96	-42.22	51.33	-25.60	-39.44	-15.23	-120.58	-120.58	-15.23	-0.04
373	10	569	271.84	83.45	-27.74	19.66	36.05	-54.99	-13.85	-99.12	-95.45	-17.53	-17.31
		465	557.23	43.23	-65.33	17.22	-39.32	-46.34	-7.72	-209.72	-202.10	-15.34	-38.48
		99	625.70	73.55	-60.69	52.39	-39.52	-48.92	-16.45	-227.03	-225.29	-18.19	-19.07
		555	326.05	96.50	-9.33	50.92	36.26	-52.41	-20.33	-118.68	-118.64	-20.38	2.11
373	11	569	273.54	36.40	-81.87	26.23	-71.71	-33.16	-10.28	-91.59	-91.52	-10.35	-2.41
		465	532.46	41.40	-57.20	24.76	-40.56	-36.94	-7.02	-194.97	-191.83	-10.17	-24.12
		99	606.60	65.68	-52.19	53.65	-40.16	-35.69	-15.43	-217.16	-216.85	-15.74	-7.85
		555	363.24	60.68	-81.02	51.77	-72.10	-34.40	-14.05	-118.41	-116.54	-15.92	13.85
374	1	595	301.09	55.09	-1.63	39.68	13.79	-25.23	15.57	-95.52	-32.07	-47.88	-54.98
		569	201.87	48.24	-23.08	34.66	-9.50	-28.00	-15.15	-71.87	-33.29	-53.73	-26.46
		555	226.78	6.89	-56.16	-40.17	-9.10	-27.43	87.43	22.89	41.75	68.57	-29.36
		581	347.69	23.19	-54.56	-44.76	13.39	-25.80	118.67	-1.27	42.98	74.42	-57.88
374	2	595	283.94	89.59	32.49	40.44	81.64	-19.76	10.43	-98.10	-30.36	-57.32	-52.56
		569	191.21	63.30	13.02	35.33	40.99	-24.98	-18.35	-77.18	-31.76	-63.77	-24.68
		555	235.49	47.67	-45.27	-38.80	41.20	-23.64	84.32	23.23	42.77	64.78	-28.49
		581	356.26	84.90	-46.64	-43.17	81.43	-21.10	115.68	-0.28	44.17	71.23	-56.38
374	3	595	334.16	183.55	41.33	42.79	182.09	-14.31	9.43	-99.56	-29.63	-60.50	-52.26
		569	232.25	112.02	29.04	37.28	103.77	-24.82	-18.39	-79.78	-30.91	-67.26	-24.73
		555	252.43	106.90	-41.60	-38.32	103.62	-21.84	80.44	20.25	42.50	58.19	-29.06
		581	384.36	183.57	-43.70	-42.38	182.25	-17.29	111.93	-3.20	43.78	64.94	-56.59
374	4	595	313.46	37.41	-208.44	28.07	-199.10	-47.00	-9.35	-68.69	-21.32	-56.72	-23.82
		569	226.01	32.62	-107.44	24.61	-99.43	-32.53	-20.37	-65.73	-20.51	-65.59	2.51
		555	196.46	-22.89	-116.41	-41.44	-97.86	-37.29	59.96	47.51	50.51	56.97	-5.32
		581	285.21	-35.93	-211.50	-46.77	-200.67	-42.24	90.43	25.10	49.69	65.84	-31.65
374	5	595	304.72	37.96	-196.60	28.73	-187.37	-45.60	-8.85	-68.34	-21.71	-55.47	-24.49
		569	219.51	33.24	-103.27	25.18	-95.21	-32.18	-20.80	-64.22	-20.88	-64.14	1.93
		555	193.89	-22.48	-112.53	-41.30	-93.71	-36.62	60.05	46.95	50.11	56.89	-5.60
		581	279.36	-35.52	-199.92	-46.58	-188.87	-41.17	90.46	24.38	49.28	65.55	-32.02
374	6	595	299.56	38.51	-187.40	29.12	-178.02	-45.08	-8.57	-68.52	-21.96	-55.12	-24.97
		569	215.64	33.90	-99.32	25.50	-90.92	-32.37	-21.13	-63.75	-21.19	-63.70	1.52
		555	190.53	-21.65	-109.21	-41.38	-89.47	-36.58	59.74	46.35	49.82	56.27	-5.87
		581	273.69	-35.07	-191.03	-46.63	-179.47	-40.86	90.26	23.63	49.04	64.85	-32.36
374	7	595	301.49	38.25	-188.71	28.90	-179.36	-45.11	-9.19	-68.81	-21.57	-56.43	-24.18
		569	218.12	33.64	-97.26	25.32	-88.94	-31.93	-20.64	-65.30	-20.75	-65.19	2.23
		555	188.00	-21.41	-107.40	-41.36	-87.46	-36.29	58.62	46.66	50.15	55.14	-5.43
		581	271.64	-35.22	-192.25	-46.63	-180.84	-40.75	89.28	23.94	49.33	63.90	-31.85
374	8	595	269.59	167.59	36.63	37.48	166.74	-10.52	8.51	-77.45	-24.82	-44.13	-41.88
		569	183.24	102.00	26.91	32.68	96.24	-20.00	-17.18	-60.88	-27.64	-50.43	-18.65
		555	194.22	98.36	-35.19	-32.91	96.08	-17.30	59.00	12.65	32.19	39.46	-22.89
		581	308.55	167.76	-37.27	-36.41	166.90	-13.22	86.82	-6.05	35.01	45.76	-46.12
374	9	595	209.12	32.75	-26.94	24.96	-19.15	-20.11	6.79	-64.86	-20.56	-37.52	-34.81
		569	145.26	29.79	-27.41	21.81	-19.44	-19.82	-11.75	-49.80	-20.05	-41.50	-15.72
		555	149.11	-2.55	-43.54	-27.06	-19.02	-20.10	61.00	20.62	31.56	50.06	-17.95
		581	224.76	-4.36	-45.42	-30.22	-19.56	-19.83	81.33	3.77	31.06	54.05	-37.04
374	10	595	201.02	78.18	22.86	26.69	74.35	-14.04	3.76	-67.49	-19.20	-44.53	-33.30
		569	146.88	54.07	12.69	23.26	43.49	-18.05	-12.73	-55.02	-18.73	-49.01	-14.76
		555	163.19	47.52	-29.95	-26.03	43.60	-16.99	56.95	19.32	31.98	44.29	-17.78
		581	243.12	76.42	-31.06	-28.89	74.25	-15.10	77.48	2.81	31.50	48.78	-36.32
374	11	595	218.31	25.51	-132.12	19.10	-125.71	-31.13	-5.75	-50.74	-14.94	-41.54	-18.14

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		569	159.98	22.40	-70.35	16.72	-64.67	-22.24	-13.33	-47.04	-13.33	-47.04	-0.18
		555	141.35	-14.77	-76.64	-27.73	-63.68	-25.18	45.71	33.56	36.04	43.23	-4.90
		581	199.61	-23.55	-134.41	-31.26	-126.70	-28.19	65.53	17.62	34.42	48.73	-22.86
375	1	555	641.37	96.61	-41.66	95.63	-40.67	-11.61	108.17	-143.52	-117.23	81.88	-76.98
		99	996.59	88.81	-114.34	88.42	-113.95	-8.89	-38.40	-357.97	-353.71	-42.66	-36.67
		97	1007.52	40.34	-112.90	40.11	-112.68	-5.85	28.88	-341.18	-314.52	2.22	-95.68
		554	803.21	36.56	-44.68	33.83	-41.95	-14.65	194.59	-145.88	-78.05	126.76	-135.99
375	2	555	604.32	100.45	6.02	96.88	9.59	-18.02	108.67	-138.15	-113.46	83.98	-74.06
		99	1014.34	90.75	-95.97	89.71	-94.93	-13.92	-41.46	-368.25	-363.99	-45.72	-37.05
		97	1025.49	43.96	-94.19	43.26	-93.50	-9.77	21.65	-354.76	-327.19	-5.91	-98.06
		554	791.72	49.34	-3.77	37.41	8.16	-22.16	191.76	-144.63	-76.67	123.79	-135.07
375	3	555	566.64	127.25	51.43	100.50	78.17	-36.23	103.97	-134.06	-109.67	79.57	-72.19
		99	986.32	98.06	-77.25	92.71	-71.90	-30.15	-45.63	-362.46	-368.18	-49.91	-36.58
		97	990.32	49.08	-75.14	44.11	-70.16	-24.36	14.61	-351.06	-322.88	-13.57	-97.53
		554	813.55	103.48	11.17	38.21	76.43	-42.01	184.40	-142.86	-74.37	115.91	-133.13
375	4	555	604.36	84.37	-128.61	84.17	-128.41	-6.47	90.77	-123.69	-111.23	78.31	-50.18
		99	936.91	79.65	-71.16	79.06	-70.57	-9.41	-46.21	-345.44	-344.54	-47.11	-16.36
		97	931.04	40.19	-71.35	39.07	-70.23	-11.13	9.17	-329.10	-311.21	-8.72	-75.71
		554	743.07	33.35	-128.90	33.21	-128.76	-4.75	165.90	-127.11	-77.90	116.69	-109.53
375	5	555	601.88	84.87	-124.44	84.67	-124.23	-6.61	90.11	-124.19	-111.51	77.44	-50.54
		99	930.49	79.97	-72.69	79.40	-72.12	-9.30	-45.98	-342.66	-341.78	-46.86	-16.12
		97	923.64	39.62	-72.78	38.57	-71.73	-10.81	9.99	-325.74	-308.03	-7.71	-75.04
		554	740.07	32.80	-124.79	32.63	-124.62	-5.10	165.79	-126.97	-77.77	116.59	-109.47
375	6	555	597.70	85.32	-119.55	85.00	-119.23	-8.12	89.42	-124.42	-111.63	76.63	-50.70
		99	926.18	80.37	-72.25	79.62	-71.51	-10.63	-46.28	-341.22	-340.35	-47.15	-15.99
		97	918.19	39.54	-72.37	38.25	-71.08	-11.97	9.91	-324.08	-306.44	-7.74	-74.72
		554	735.15	32.56	-119.96	32.26	-119.66	-6.78	165.31	-126.99	-77.72	116.04	-109.43
375	7	555	593.63	84.98	-117.92	84.69	-117.62	-7.74	88.44	-123.89	-111.35	75.91	-50.05
		99	923.85	80.11	-67.42	79.38	-66.68	-10.39	-47.39	-341.39	-340.56	-48.22	-15.64
		97	915.78	39.64	-67.60	38.31	-66.28	-11.85	8.50	-324.50	-306.89	-9.11	-74.53
		554	731.38	32.61	-118.29	32.35	-118.03	-6.28	164.10	-126.77	-77.69	115.02	-108.93
375	8	555	464.01	111.07	49.83	88.58	72.32	-29.52	73.27	-121.14	-100.18	52.31	-60.30
		99	748.84	85.74	-59.77	81.54	-55.57	-24.37	-43.79	-276.17	-273.33	-46.64	-25.55
		97	748.90	41.14	-57.99	37.18	-54.03	-19.41	16.61	-261.46	-240.52	-4.33	-73.38
		554	673.08	90.89	11.65	31.75	70.78	-34.48	148.72	-121.47	-67.37	94.62	-108.12
375	9	555	434.89	62.22	-39.83	61.61	-39.22	-7.85	78.70	-90.32	-74.43	62.81	-49.33
		99	711.01	57.53	-74.18	57.20	-73.84	-6.64	-24.48	-256.25	-253.49	-27.24	-25.15
		97	717.05	27.30	-73.38	27.04	-73.11	-5.13	14.71	-247.65	-229.16	-3.79	-67.16
		554	543.40	24.42	-41.31	23.06	-39.95	-9.35	132.06	-95.89	-50.10	86.26	-91.34
375	10	555	379.94	74.11	17.01	64.32	26.80	-21.52	76.38	-85.08	-70.22	61.53	-46.67
		99	705.16	62.59	-53.49	59.58	-50.48	-18.45	-28.50	-258.74	-255.97	-31.27	-25.10
		97	708.08	32.17	-52.41	29.26	-49.49	-15.42	6.76	-253.13	-233.80	-12.56	-68.18
		554	536.31	50.20	1.10	25.49	25.82	-24.55	126.40	-94.22	-48.05	80.23	-89.75
375	11	555	412.71	55.96	-83.12	55.71	-82.86	-5.91	68.52	-79.94	-71.32	59.89	-34.73
		99	671.54	52.87	-50.82	52.31	-50.26	-7.60	-28.88	-246.93	-246.07	-29.73	-13.66
		97	667.90	26.95	-50.95	26.00	-50.00	-8.54	4.15	-238.13	-224.67	-9.32	-55.51
		554	505.45	22.42	-83.36	22.18	-83.12	-4.97	115.71	-85.32	-49.92	80.31	-76.58
376	1	581	577.39	82.05	-52.97	-50.21	79.28	19.12	200.27	14.16	18.75	195.68	-28.85
		555	715.22	-35.61	-69.22	-62.10	-42.74	13.74	288.10	81.03	117.49	251.64	-78.87
		554	309.83	36.87	-40.91	36.11	-40.16	7.63	117.25	15.21	59.73	72.74	-50.61
		580	160.13	87.18	15.96	26.44	76.70	25.23	16.78	-39.02	-39.02	16.77	-0.59
376	2	581	620.46	155.24	-52.66	-50.10	152.67	22.95	198.94	15.33	19.31	194.96	-26.72
		555	686.36	13.89	-65.72	-62.14	10.32	16.49	286.82	84.54	120.05	251.31	-76.96
		554	287.35	39.06	9.61	35.57	13.10	9.52	114.79	17.26	61.94	70.11	-48.59
		580	199.02	156.75	19.25	26.11	149.89	29.92	13.81	-38.85	-38.80	13.76	1.64
376	3	581	676.07	268.26	-54.65	-52.30	265.92	27.43	191.73	14.49	18.87	187.36	-27.50
		555	700.81	87.53	-67.24	-64.88	85.17	18.98	280.30	82.78	119.46	243.62	-76.81
		554	299.66	90.26	32.18	34.08	88.35	10.34	111.54	14.65	62.27	63.92	-48.44
		580	253.84	268.08	19.45	24.80	262.73	36.07	7.68	-38.34	-38.32	7.66	0.87
376	4	581	544.74	-39.33	-133.95	-39.34	-133.94	0.84	186.40	26.17	26.19	186.37	-1.94
		555	675.57	-48.21	-138.91	-48.23	-138.89	1.42	258.77	103.91	125.77	236.92	-53.92
		554	252.55	33.38	-137.70	33.38	-137.70	0.48	91.34	31.32	66.44	56.21	-29.57
		580	208.21	24.57	-135.15	24.55	-135.13	1.78	15.91	-43.38	-33.13	5.67	22.41
376	5	581	535.07	-39.91	-122.89	-39.95	-122.84	1.96	185.44	25.88	25.92	185.40	-2.55
		555	672.01	-48.96	-134.37	-49.01	-134.32	2.20	258.07	102.82	124.95	235.95	-54.27
		554	251.56	33.54	-133.06	33.54	-133.05	0.98	91.36	30.87	65.93	56.30	-29.86
		580	200.80	24.73	-124.17	24.67	-124.11	3.18	15.57	-42.92	-33.10	5.76	21.86
376	6	581	525.75	-40.38	-112.69	-40.47	-112.60	2.54	184.42	25.65	25.71	184.36	-3.05
		555	667.80	-49.56	-128.81	-49.65	-128.73	2.54	257.45	102.09	124.50	235.04	-54.57
		554	248.97	33.50	-127.42	33.50	-127.41	1.11	91.24	30.36	65.68	55.92	-30.04
		580	193.44	24.71	-114.03	24.60	-113.92	3.97	14.86	-42.73	-33.11	5.24	21.48
376	7	581	524.74	-40.07	-114.25	-40.16	-114.16	2.58	183.72	25.93	25.97	183.68	-2.45

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		555	664.68	-49.17	-127.56	-49.27	-127.47	2.73	256.49	102.68	124.98	234.19	-54.15
		554	246.12	33.55	-126.19	33.53	-126.18	1.42	90.68	30.09	66.00	54.77	-29.77
		580	193.15	24.76	-115.55	24.65	-115.45	3.89	14.40	-43.15	-33.01	4.26	21.93
376	8	581	548.78	239.27	-47.78	-45.51	237.00	25.41	150.63	11.45	15.68	146.41	-23.88
		555	566.47	80.09	-58.88	-56.52	77.73	17.96	224.27	61.35	94.03	191.59	-65.23
		554	251.36	82.57	27.95	29.99	80.53	10.36	91.28	6.39	46.87	50.80	-42.40
		580	216.94	239.22	16.87	21.88	234.20	33.02	5.64	-31.51	-31.48	5.61	-1.05
376	9	581	381.73	27.07	-33.84	-32.16	25.39	9.98	139.70	11.75	13.79	137.66	-16.02
		555	493.63	-33.33	-47.68	-39.70	-41.31	7.13	198.51	62.32	84.58	176.25	-50.36
		554	202.09	23.80	-39.98	23.59	-39.76	3.71	77.82	15.57	44.59	48.79	-31.05
		580	93.39	34.35	6.74	17.25	23.84	13.40	10.50	-26.49	-26.20	10.21	3.29
376	10	581	436.94	130.37	-34.62	-33.32	129.07	14.60	134.96	11.93	13.86	133.04	-15.27
		555	468.29	31.14	-42.64	-41.24	29.75	10.04	194.13	63.34	85.68	171.79	-49.22
		554	190.79	33.99	20.10	22.46	31.63	5.22	74.82	15.09	46.01	43.90	-29.85
		580	143.12	130.50	13.04	16.35	127.19	19.42	5.68	-26.35	-25.81	5.15	4.10
376	11	581	376.33	-26.74	-81.22	-26.75	-81.21	0.77	131.40	17.64	17.66	131.37	-1.69
		555	469.57	-32.77	-89.10	-32.78	-89.08	0.91	181.62	73.88	88.48	167.02	-36.87
		554	171.40	22.13	-88.24	22.13	-88.24	0.09	63.75	23.60	47.90	39.45	-19.63
		580	137.63	16.26	-82.08	16.23	-82.06	1.59	10.94	-30.06	-22.92	3.80	15.55
377	1	580	219.03	55.73	32.46	33.86	54.33	-5.53	61.88	-25.40	30.90	5.59	-41.76
		554	282.11	34.61	-6.32	33.86	-5.57	-5.49	73.85	-46.44	-3.56	30.97	-57.61
		603	196.70	4.24	-8.64	1.17	-5.57	-5.49	-2.35	-72.34	-28.73	-45.97	-33.92
		604	246.45	54.90	0.60	1.17	54.33	-5.53	9.75	-75.38	5.73	-71.36	-18.06
377	2	580	218.60	136.52	33.89	34.63	135.79	-8.65	59.37	-25.11	31.84	2.42	-39.59
		554	284.44	51.69	30.30	34.63	47.36	-8.59	69.46	-46.09	-3.23	26.60	-55.81
		603	203.25	48.91	-0.24	1.31	47.36	-8.59	-5.03	-74.64	-28.83	-50.83	-33.02
		604	306.31	136.34	0.76	1.31	135.79	-8.65	9.57	-78.35	6.24	-75.02	-16.80
377	3	580	277.38	261.60	35.11	35.92	260.79	-13.51	57.07	-29.58	31.76	-4.27	-39.40
		554	299.56	128.36	33.96	35.92	126.40	-13.44	64.68	-48.06	-2.56	19.17	-55.31
		603	252.44	127.82	-1.37	0.04	126.40	-13.44	-6.41	-79.28	-27.80	-57.89	-33.18
		604	404.82	261.49	-0.66	0.04	260.79	-13.51	9.79	-84.60	6.52	-81.33	-17.28
377	4	580	208.89	28.70	-160.56	28.50	-160.37	-6.07	39.67	-9.70	32.40	-2.43	-17.49
		554	200.38	28.79	-102.18	28.50	-101.89	-6.11	45.13	-25.54	-0.90	20.49	-33.68
		603	202.28	3.26	-102.25	2.91	-101.89	-6.11	-22.05	-60.24	-26.34	-55.95	-12.06
		604	328.19	3.13	-160.59	2.91	-160.37	-6.07	7.15	-79.07	6.96	-78.87	4.12
377	5	580	203.08	28.94	-149.92	28.75	-149.73	-5.80	39.77	-9.83	32.14	-2.21	-17.89
		554	200.38	29.02	-97.53	28.75	-97.26	-5.83	45.66	-25.70	-0.91	20.87	-33.98
		603	197.76	3.09	-97.60	2.75	-97.26	-5.83	-21.71	-59.63	-26.21	-55.12	-12.26
		604	319.07	2.97	-149.95	2.75	-149.73	-5.80	7.02	-78.38	6.84	-78.20	3.83
377	6	580	199.02	29.13	-139.23	28.92	-139.02	-5.97	39.75	-10.47	32.00	-2.72	-18.14
		554	197.57	29.22	-91.52	28.92	-91.22	-6.00	45.55	-26.03	-0.93	20.45	-34.15
		603	195.05	2.95	-91.61	2.57	-91.22	-6.00	-21.61	-59.93	-26.14	-55.40	-12.37
		604	312.77	2.82	-139.27	2.57	-139.02	-5.97	6.95	-78.73	6.80	-78.58	3.64
377	7	580	201.02	29.01	-140.99	28.80	-140.78	-5.88	39.38	-10.89	32.14	-3.66	-17.65
		554	193.61	29.10	-90.42	28.80	-90.13	-5.91	44.47	-25.90	-0.79	19.36	-33.71
		603	196.64	3.02	-90.51	2.64	-90.13	-5.91	-21.86	-60.72	-26.06	-56.53	-12.06
		604	316.75	2.88	-141.02	2.64	-140.78	-5.88	7.06	-79.74	6.88	-79.55	4.01
377	8	580	233.61	230.51	30.65	31.22	229.94	-10.66	47.60	-24.92	24.39	-1.71	-33.83
		554	258.28	115.09	29.89	31.22	113.75	-10.59	56.15	-39.95	-2.95	19.15	-46.76
		603	199.69	114.73	-0.96	0.02	113.75	-10.59	-3.37	-61.02	-23.20	-41.20	-27.38
		604	328.97	230.43	-0.48	0.02	229.94	-10.66	7.16	-65.07	4.15	-62.05	-14.45
377	9	580	139.59	23.17	8.35	21.91	9.61	-4.14	39.23	-15.20	22.49	1.54	-25.12
		554	176.86	22.34	-17.18	21.91	-16.74	-4.13	45.70	-29.23	-1.45	17.91	-36.19
		603	138.02	1.90	-17.66	0.99	-16.74	-4.13	-5.40	-50.45	-19.14	-36.71	-20.74
		604	159.46	11.28	-0.68	0.99	9.61	-4.14	6.38	-54.65	4.80	-53.08	-9.67
377	10	580	158.49	125.03	22.33	23.05	124.31	-8.58	36.87	-17.83	22.97	-3.93	-23.81
		554	182.19	58.62	21.00	23.05	56.57	-8.54	40.68	-30.21	-0.90	11.36	-34.91
		603	159.35	57.84	-0.90	0.36	56.57	-8.54	-7.19	-54.77	-18.62	-43.33	-20.33
		604	248.52	124.90	-0.23	0.36	124.31	-8.58	6.55	-59.93	5.24	-58.62	-9.23
377	11	580	141.56	19.33	-97.97	19.16	-97.81	-4.39	27.77	-7.74	23.10	-3.07	-12.00
		554	130.90	19.40	-64.56	19.16	-64.33	-4.41	29.97	-17.89	4.40e-03	12.07	-23.16
		603	144.99	2.06	-64.62	1.77	-64.33	-4.41	-14.86	-44.79	-17.70	-41.95	-8.77
		604	225.72	1.96	-98.00	1.77	-97.81	-4.39	5.49	-57.18	5.40	-57.09	2.39
378	1	554	542.72	66.03	-32.31	37.22	-3.50	-44.76	6.98	-191.06	-147.19	-36.89	-82.24
		97	939.42	54.12	-81.16	37.22	-64.26	-44.72	48.54	-315.80	-295.53	28.27	-83.52
		575	918.42	50.54	-81.68	33.12	-64.26	-44.72	58.11	-295.45	-293.22	55.87	-28.03
		603	404.11	63.17	-33.55	33.12	-3.50	-44.76	-4.20	-149.96	-144.87	-9.29	-26.76
378	2	554	550.16	94.68	-6.16	38.87	49.65	-50.13	2.93	-192.14	-148.03	-41.18	-81.61
		97	953.62	61.44	-72.25	38.87	-49.69	-50.08	44.54	-326.06	-305.65	24.14	-84.54
		575	935.41	59.16	-72.73	36.12	-49.69	-50.08	52.90	-307.07	-304.85	50.68	-28.20
		603	405.15	93.47	-7.70	36.12	49.65	-50.13	-9.99	-151.88	-147.23	-14.64	-25.27
378	3	554	562.58	160.12	4.64	36.36	128.40	-62.66	-1.48	-190.30	-144.81	-46.98	-80.75

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		97	919.93	75.09	-64.70	36.36	-25.97	-62.56	38.07	-322.83	-301.71	16.95	-84.71
		575	900.50	73.38	-65.37	33.98	-25.97	-62.56	43.53	-304.56	-302.07	41.03	-29.36
		603	422.32	159.64	2.74	33.98	128.40	-62.66	-17.83	-150.24	-145.17	-22.90	-25.40
378	4	554	442.62	52.25	-111.49	40.11	-99.35	-42.89	-17.86	-169.51	-141.23	-46.13	-59.06
		97	866.01	63.67	-38.15	40.11	-14.59	-42.94	31.03	-302.59	-289.79	18.24	-64.07
		575	869.41	59.34	-39.53	34.40	-14.59	-42.94	44.54	-291.04	-290.79	44.29	-9.09
		603	409.87	46.97	-111.93	34.40	-99.35	-42.89	-19.94	-142.37	-142.23	-20.08	-4.09
378	5	554	441.27	51.62	-107.03	39.40	-94.81	-42.31	-17.28	-168.88	-140.60	-45.56	-59.06
		97	859.51	62.10	-39.62	39.40	-16.92	-42.36	31.21	-299.84	-287.08	18.45	-63.74
		575	862.75	57.85	-40.91	33.86	-16.92	-42.36	44.99	-288.04	-287.78	44.73	-9.17
		603	406.38	46.52	-107.47	33.86	-94.81	-42.31	-19.11	-141.47	-141.30	-19.27	-4.49
378	6	554	441.55	51.95	-102.01	38.78	-88.84	-43.06	-17.43	-168.66	-140.27	-45.82	-59.05
		97	854.42	62.48	-39.61	38.78	-15.92	-43.10	30.82	-298.55	-285.76	18.02	-63.65
		575	857.48	58.32	-40.94	33.30	-15.92	-43.10	44.48	-286.66	-286.40	44.22	-9.27
		603	402.43	46.95	-102.49	33.30	-88.84	-43.06	-19.45	-141.09	-140.91	-19.63	-4.67
378	7	554	439.72	51.95	-100.70	38.97	-87.72	-42.58	-18.58	-168.49	-140.16	-46.91	-58.69
		97	852.37	63.28	-35.76	38.97	-11.46	-42.62	29.67	-298.91	-286.15	16.92	-63.47
		575	855.40	59.18	-37.17	33.47	-11.46	-42.62	43.30	-287.21	-286.96	43.06	-9.06
		603	400.84	46.93	-101.18	33.47	-87.72	-42.58	-20.62	-141.11	-140.96	-20.78	-4.28
378	8	554	457.75	139.32	6.44	30.42	115.34	-51.11	0.45	-153.06	-117.74	-34.86	-64.60
		97	709.60	62.05	-51.91	30.42	-20.28	-51.03	31.74	-247.27	-230.14	14.61	-66.98
		575	695.98	60.38	-52.56	28.11	-20.28	-51.03	39.56	-231.66	-229.36	37.26	-24.87
		603	357.00	138.91	4.53	28.11	115.34	-51.11	-7.59	-121.59	-116.97	-12.22	-22.49
378	9	554	364.92	42.22	-31.84	25.62	-15.24	-30.88	0.68	-130.80	-101.17	-28.94	-54.93
		97	661.52	38.15	-50.46	25.62	-37.93	-30.87	30.85	-225.22	-211.97	17.60	-56.71
		575	647.60	35.81	-50.85	22.88	-37.93	-30.87	36.09	-212.46	-211.33	34.96	-16.69
		603	275.57	40.11	-32.47	22.88	-15.24	-30.88	-9.15	-102.96	-100.53	-11.59	-14.91
378	10	554	374.17	85.61	-2.43	25.14	58.04	-40.83	-4.01	-130.39	-99.85	-34.55	-54.10
		97	650.45	50.07	-41.59	25.14	-16.66	-40.78	25.01	-229.10	-215.41	11.32	-57.37
		575	638.29	48.78	-42.08	23.36	-16.66	-40.78	27.96	-217.49	-216.25	26.72	-17.43
		603	271.42	85.05	-3.66	23.36	58.04	-40.83	-16.76	-103.08	-100.70	-19.15	-14.15
378	11	554	310.40	35.61	-71.78	26.49	-62.65	-29.94	-12.95	-118.28	-97.33	-33.90	-42.05
		97	614.82	43.08	-27.66	26.49	-11.07	-29.97	21.07	-215.71	-206.54	11.91	-45.67
		575	614.72	40.43	-28.52	22.98	-11.07	-29.97	28.65	-207.71	-207.54	28.48	-6.26
		603	276.25	32.41	-72.08	22.98	-62.65	-29.94	-17.24	-98.42	-98.33	-17.33	-2.64
379	1	603	341.05	98.81	-24.17	34.56	40.09	-61.43	-54.58	-140.22	-138.60	-56.20	-11.64
		575	842.03	60.61	-109.94	34.56	-83.89	-61.35	-40.46	-317.40	-316.71	-41.15	-13.75
		157	829.72	51.46	-111.70	23.65	-83.89	-61.35	-52.63	-318.94	-318.94	-52.64	-1.57
		601	346.94	93.85	-30.10	23.65	40.09	-61.43	-67.68	-140.83	-140.83	-67.69	0.54
379	2	603	348.33	141.15	-8.32	37.52	95.31	-68.93	-59.05	-141.81	-140.46	-60.40	-10.49
		575	867.00	70.72	-105.17	37.52	-71.97	-68.83	-45.04	-329.24	-328.62	-45.66	-13.27
		157	856.41	61.93	-107.35	26.55	-71.97	-68.83	-57.48	-331.17	-331.17	-57.48	-0.79
		601	361.27	137.95	-16.10	26.55	95.31	-68.93	-72.17	-143.06	-143.00	-72.22	1.99
379	3	603	357.04	214.21	-0.16	35.88	178.17	-80.17	-65.49	-139.76	-138.10	-67.14	-10.95
		575	842.52	85.39	-93.49	35.88	-43.98	-80.03	-52.07	-326.42	-325.66	-52.83	-14.46
		157	833.37	77.30	-96.79	24.49	-43.98	-80.03	-65.90	-328.68	-328.66	-65.92	-2.15
		601	379.45	212.38	-9.72	24.49	178.17	-80.17	-80.20	-141.13	-141.10	-80.23	1.36
379	4	603	358.13	66.08	-86.64	35.36	-55.92	-61.22	-62.83	-136.81	-135.33	-64.31	10.35
		575	819.81	69.10	-75.75	35.36	-42.01	-61.23	-50.43	-314.50	-314.35	-50.59	6.38
		157	815.78	61.05	-78.38	24.68	-42.01	-61.23	-63.60	-318.99	-317.69	-64.89	18.15
		601	377.09	57.67	-88.91	24.68	-55.92	-61.22	-71.35	-145.94	-138.67	-78.62	22.12
379	5	603	355.01	65.63	-82.59	34.82	-51.78	-60.15	-62.11	-135.96	-134.59	-63.49	9.98
		575	812.04	67.34	-76.43	34.82	-43.91	-60.15	-49.55	-311.23	-311.09	-49.69	6.10
		157	807.90	59.34	-78.95	24.30	-43.91	-60.15	-62.55	-315.63	-314.38	-63.81	17.80
		601	373.70	57.43	-84.91	24.30	-51.78	-60.15	-70.61	-144.86	-137.87	-77.60	21.68
379	6	603	352.96	66.85	-78.11	34.32	-45.58	-60.48	-62.47	-135.56	-134.22	-63.81	9.81
		575	807.09	67.62	-75.53	34.32	-42.23	-60.48	-49.85	-309.78	-309.65	-49.99	5.91
		157	803.04	59.70	-78.12	23.81	-42.23	-60.48	-62.91	-314.18	-312.94	-64.14	17.57
		601	372.21	58.84	-80.61	23.81	-45.58	-60.48	-71.03	-144.45	-137.52	-77.97	21.47
379	7	603	352.92	66.87	-77.05	34.44	-44.62	-60.13	-63.41	-135.66	-134.20	-64.87	10.17
		575	806.68	68.34	-72.23	34.44	-38.33	-60.13	-51.01	-310.42	-310.27	-51.16	6.20
		157	802.95	60.52	-74.91	23.94	-38.33	-60.13	-64.08	-314.88	-313.60	-65.36	17.85
		601	372.73	58.88	-79.55	23.94	-44.62	-60.13	-71.82	-144.78	-137.53	-79.06	21.82
379	8	603	293.84	183.51	2.21	29.68	156.04	-65.01	-46.37	-113.51	-112.03	-47.85	-9.86
		575	645.19	69.92	-74.98	29.68	-34.74	-64.90	-36.29	-248.37	-247.47	-37.18	-13.73
		157	636.93	64.07	-77.37	21.44	-34.74	-64.90	-49.87	-250.72	-250.61	-49.98	-4.73
		601	305.88	182.31	-4.83	21.44	156.04	-65.01	-60.64	-115.17	-115.16	-60.65	-0.86
379	9	603	236.38	62.35	-23.70	23.82	14.82	-42.79	-43.55	-96.17	-95.69	-44.03	-4.97
		575	599.89	42.99	-71.53	23.82	-52.36	-42.75	-32.89	-228.38	-228.19	-33.08	-6.11
		157	592.97	36.34	-72.97	15.74	-52.36	-42.75	-40.17	-229.54	-229.50	-40.21	2.87
		601	243.07	58.07	-27.51	15.74	14.82	-42.79	-50.81	-97.35	-97.00	-51.16	4.01
379	10	603	245.22	120.91	-4.82	24.56	91.54	-53.20	-49.65	-95.87	-95.42	-50.11	-4.59

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		575	600.83	56.95	-62.58	24.56	-30.19	-53.13	-39.36	-233.38	-233.17	-39.58	-6.50
		157	595.59	50.98	-64.97	16.20	-30.19	-53.13	-47.56	-234.93	-234.90	-47.59	2.55
		601	260.64	119.06	-11.32	16.20	91.54	-53.20	-57.62	-97.65	-97.15	-58.13	4.47
379	11	603	244.24	46.28	-55.36	23.69	-32.77	-42.26	-47.21	-94.31	-93.26	-48.26	6.95
		575	581.64	47.09	-52.63	23.69	-29.22	-42.27	-37.87	-224.39	-224.27	-38.00	4.82
		157	579.33	41.20	-54.59	15.83	-29.22	-42.27	-45.60	-227.18	-226.17	-46.61	13.50
		601	258.94	40.28	-57.22	15.83	-32.77	-42.26	-51.29	-100.74	-95.16	-56.87	15.64
380	1	604	318.61	58.38	-2.27	3.62	52.50	-17.95	26.30	-97.87	12.32	-83.89	-39.25
		603	176.31	44.87	-4.18	3.62	37.07	-17.94	-27.68	-72.00	-38.60	-61.08	-19.10
		601	108.12	44.84	-4.36	3.40	37.07	-17.94	-21.85	-40.71	-25.56	-37.00	-7.50
		583	257.43	58.36	-2.46	3.40	52.50	-17.95	33.55	-68.01	25.36	-59.82	-27.65
380	2	604	373.83	142.89	0.85	4.22	139.52	-21.60	25.67	-99.96	12.78	-87.07	-38.12
		603	213.33	97.01	-0.80	4.22	92.00	-21.57	-29.65	-74.66	-38.58	-65.72	-17.96
		601	147.76	96.98	-1.34	3.64	92.00	-21.57	-22.72	-43.28	-25.41	-40.59	-6.92
		583	313.70	142.87	0.29	3.64	139.52	-21.60	33.64	-69.62	25.96	-61.94	-27.09
380	3	604	471.09	274.26	1.16	3.62	271.79	-25.82	25.27	-105.88	12.93	-93.55	-38.28
		603	280.73	178.81	-0.17	3.62	175.02	-25.76	-29.72	-80.93	-37.49	-73.16	-18.37
		601	219.48	178.79	-0.76	3.01	175.02	-25.76	-22.13	-50.49	-24.45	-48.17	-7.77
		583	413.66	274.25	0.55	3.01	271.79	-25.82	33.48	-76.07	25.97	-68.56	-27.68
380	4	604	385.62	7.48	-163.03	5.45	-160.99	-18.52	15.75	-94.34	13.07	-91.66	-16.97
		603	199.12	10.43	-63.90	5.45	-58.92	-18.58	-35.50	-71.15	-35.76	-70.88	3.04
		601	148.66	8.72	-64.02	3.62	-58.92	-18.58	-16.39	-52.53	-22.71	-46.21	13.73
		583	331.83	5.68	-163.05	3.62	-160.99	-18.52	26.54	-67.41	26.12	-66.98	-6.28
380	5	604	377.18	7.33	-152.83	5.24	-150.74	-18.16	15.73	-93.73	12.97	-90.96	-17.17
		603	194.38	10.34	-59.84	5.24	-54.74	-18.22	-35.41	-70.17	-35.62	-69.96	2.73
		601	144.22	8.82	-59.96	3.60	-54.74	-18.22	-16.38	-51.73	-22.65	-45.46	13.50
		583	323.57	5.71	-152.85	3.60	-150.74	-18.16	26.38	-66.91	25.94	-66.47	-6.41
380	6	604	371.37	7.33	-142.15	5.08	-139.89	-18.21	15.72	-94.18	12.92	-91.38	-17.31
		603	191.43	10.71	-54.13	5.08	-48.49	-18.26	-35.37	-70.47	-35.56	-70.29	2.56
		601	141.34	9.28	-54.27	3.51	-48.49	-18.26	-16.54	-51.97	-22.62	-45.89	13.36
		583	317.84	5.79	-142.17	3.51	-139.89	-18.21	26.32	-67.44	25.87	-66.99	-6.51
380	7	604	374.60	7.35	-143.95	5.14	-141.74	-18.15	15.65	-94.98	12.99	-92.31	-16.96
		603	193.50	10.81	-53.22	5.14	-47.55	-18.20	-35.22	-71.63	-35.45	-71.39	2.92
		601	143.65	9.35	-53.37	3.53	-47.55	-18.20	-16.40	-53.01	-22.49	-46.91	13.64
		583	321.15	5.76	-143.98	3.53	-141.74	-18.15	26.36	-68.25	25.94	-67.84	-6.24
380	8	604	384.27	240.50	1.00	2.91	238.59	-21.32	20.35	-83.14	9.66	-72.46	-31.49
		603	219.76	156.33	-0.03	2.91	153.38	-21.27	-23.08	-61.43	-31.37	-53.14	-15.79
		601	172.46	156.33	-8.93e-03	2.94	153.38	-21.27	-18.85	-36.80	-21.22	-34.43	-6.07
		583	339.40	240.50	1.03	2.94	238.59	-21.32	25.78	-59.71	19.82	-53.75	-21.77
380	9	604	214.61	18.55	-7.04	2.71	8.80	-12.42	16.77	-69.17	9.16	-61.57	-24.41
		603	121.43	21.16	-5.66	2.71	12.78	-12.43	-21.76	-51.46	-25.79	-47.44	-10.17
		601	76.04	20.98	-6.05	2.15	12.78	-12.43	-15.91	-30.29	-16.48	-29.72	-2.82
		583	170.90	18.34	-7.39	2.15	8.80	-12.42	22.83	-48.21	18.47	-43.85	-17.06
380	10	604	292.56	132.80	0.55	2.71	130.63	-16.80	16.35	-73.77	9.51	-66.93	-23.87
		603	181.58	92.55	-0.42	2.71	89.42	-16.77	-22.18	-57.13	-25.17	-54.15	-9.76
		601	138.96	92.52	-1.17	1.93	89.42	-16.77	-15.44	-36.35	-15.87	-35.92	-2.97
		583	252.19	132.79	-0.22	1.93	130.63	-16.80	22.88	-52.78	18.80	-48.71	-17.07
380	11	604	265.30	5.06	-99.61	3.53	-98.08	-12.57	11.44	-67.66	9.50	-65.73	-12.22
		603	142.93	7.31	-38.53	3.53	-34.76	-12.61	-23.97	-52.67	-24.10	-52.55	1.87
		601	105.27	6.10	-38.65	2.21	-34.76	-12.61	-11.52	-37.98	-14.85	-34.66	8.77
		583	226.57	3.76	-99.63	2.21	-98.08	-12.57	19.17	-48.26	18.75	-47.83	-5.31
381	1	601	341.46	109.17	-32.01	26.61	50.55	-69.57	-44.58	-132.41	-131.70	-45.29	7.87
		157	829.95	68.96	-87.47	26.61	-45.11	-69.51	-62.98	-326.73	-326.60	-63.11	-5.89
		549	826.55	65.36	-88.85	21.61	-45.11	-69.51	-90.56	-335.69	-335.63	-90.62	-4.02
		599	361.48	107.14	-34.97	21.61	50.55	-69.57	-71.43	-142.09	-140.72	-72.80	9.73
381	2	601	350.14	156.53	-19.05	29.55	107.93	-78.56	-46.99	-133.72	-132.75	-47.96	9.16
		157	860.74	82.26	-87.29	29.55	-34.58	-78.48	-67.11	-339.72	-339.63	-67.19	-4.89
		549	858.75	78.56	-89.01	24.13	-34.58	-78.48	-93.63	-348.69	-348.66	-93.67	-3.01
		599	376.78	155.06	-23.01	24.13	107.93	-78.56	-72.67	-143.53	-141.77	-74.44	11.03
381	3	601	359.42	232.41	-10.90	27.73	193.77	-88.92	-54.04	-131.43	-130.53	-54.94	8.29
		157	840.46	101.44	-79.26	27.73	-5.55	-88.81	-74.84	-337.38	-337.25	-74.98	-5.99
		549	841.12	97.87	-81.80	21.61	-5.55	-88.81	-101.58	-346.47	-346.39	-101.66	-4.39
		599	397.23	231.46	-16.07	21.61	193.77	-88.92	-79.99	-141.31	-139.67	-81.63	9.89
381	4	601	386.79	69.17	-87.89	27.54	-46.26	-69.32	-42.62	-138.69	-128.66	-52.65	29.39
		157	820.61	82.90	-59.34	27.54	-3.98	-69.35	-72.22	-326.30	-325.52	-73.00	14.04
		549	822.66	79.97	-61.27	22.68	-3.98	-69.35	-102.07	-336.50	-335.52	-103.06	15.14
		599	399.85	65.63	-89.21	22.68	-46.26	-69.32	-69.31	-152.06	-138.66	-82.71	30.49
381	5	601	383.40	68.79	-84.06	27.12	-42.38	-68.07	-42.19	-137.88	-128.13	-51.95	28.96
		157	812.07	80.51	-59.71	27.12	-6.31	-68.09	-71.09	-322.71	-321.97	-71.83	13.65
		549	814.05	77.68	-61.51	22.48	-6.31	-68.09	-100.96	-332.90	-331.95	-101.90	14.79
		599	396.89	65.45	-85.35	22.48	-42.38	-68.07	-68.93	-151.20	-138.11	-82.02	30.09
381	6	601	381.15	70.33	-79.76	26.64	-36.07	-68.18	-42.71	-137.55	-127.85	-52.41	28.75

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		157	807.14	81.04	-58.87	26.64	-4.48	-68.20	-71.40	-321.19	-320.47	-72.13	13.43
		549	809.37	78.25	-60.71	22.02	-4.48	-68.20	-101.39	-331.40	-330.47	-102.31	14.57
		599	395.76	67.08	-81.14	22.02	-36.07	-68.18	-69.53	-150.93	-137.86	-82.60	29.89
381	7	601	381.24	70.39	-78.87	26.76	-35.25	-67.89	-43.35	-137.80	-127.79	-53.36	29.07
		157	807.50	82.30	-56.26	26.76	-0.72	-67.91	-72.55	-321.93	-321.17	-73.31	13.73
		549	810.18	79.56	-58.16	22.13	-0.72	-67.91	-102.46	-332.14	-331.18	-103.42	14.82
		599	396.27	67.14	-80.26	22.13	-35.25	-67.89	-70.04	-151.23	-137.80	-83.48	30.17
381	8	601	294.25	198.48	-6.10	24.01	168.38	-72.47	-40.23	-109.41	-109.03	-40.61	5.10
		157	637.93	83.62	-63.85	24.01	-4.24	-72.37	-54.33	-255.20	-254.86	-54.67	-8.26
		549	639.13	81.58	-65.27	20.55	-4.24	-72.37	-81.53	-263.97	-263.69	-81.81	-7.11
		599	331.61	197.98	-9.06	20.55	168.38	-72.47	-66.97	-118.63	-117.86	-67.74	6.25
381	9	601	237.65	68.30	-28.28	17.80	22.21	-48.24	-33.42	-90.65	-89.22	-34.84	8.92
		157	596.35	49.04	-56.60	17.80	-25.36	-48.21	-48.62	-236.30	-236.30	-48.62	0.11
		549	594.93	46.11	-57.88	13.58	-25.36	-48.21	-65.04	-241.94	-241.93	-65.05	1.40
		599	249.98	66.33	-30.53	13.58	22.21	-48.24	-49.00	-97.13	-94.86	-51.27	10.21
381	10	601	247.13	132.33	-12.13	18.43	101.78	-58.99	-38.53	-90.25	-88.57	-40.21	9.15
		157	602.88	67.45	-52.41	18.43	-3.38	-58.93	-55.21	-242.21	-242.21	-55.21	0.05
		549	603.33	64.64	-54.44	13.58	-3.38	-58.93	-71.17	-247.92	-247.91	-71.18	1.20
		599	268.15	131.33	-15.97	13.58	101.78	-58.99	-53.57	-96.88	-94.27	-56.17	10.30
381	11	601	261.44	48.22	-56.31	17.82	-25.91	-47.47	-31.26	-94.63	-87.08	-38.80	20.52
		157	584.96	56.11	-41.07	17.82	-2.78	-47.48	-52.98	-233.54	-232.89	-53.63	10.84
		549	586.21	53.71	-42.69	13.81	-2.78	-47.48	-70.73	-239.89	-239.07	-71.54	11.73
		599	271.18	45.40	-57.51	13.81	-25.91	-47.47	-46.84	-103.14	-93.26	-56.72	21.41
382	1	583	285.15	82.96	-2.43	5.50	75.04	-24.78	25.19	-83.13	11.47	-69.41	-36.02
		601	225.74	60.63	-5.62	5.50	49.50	-24.77	-17.80	-80.30	-17.98	-80.13	-3.31
		599	65.11	64.68	9.08	24.26	49.50	-24.77	9.69	-8.93	7.32	-6.57	-6.21
		558	230.66	85.13	14.17	24.26	75.04	-24.78	62.65	-21.73	36.77	4.15	-38.91
382	2	583	341.20	171.12	1.08	6.11	166.08	-28.82	24.89	-84.34	11.76	-71.20	-35.53
		601	271.86	114.28	-1.55	6.11	106.62	-28.79	-17.30	-83.23	-17.41	-83.12	-2.65
		599	94.00	115.71	15.47	24.56	106.62	-28.79	10.29	-9.50	8.23	-7.45	-6.04
		558	244.25	171.73	18.91	24.56	166.08	-28.82	63.19	-21.32	37.40	4.47	-38.91
382	3	583	443.09	305.71	2.33	5.89	302.15	-32.67	24.57	-90.66	11.89	-77.98	-36.06
		601	348.26	198.23	0.37	5.89	192.71	-32.60	-16.37	-90.41	-16.54	-90.24	-3.49
		599	171.94	198.80	18.32	24.41	192.71	-32.60	10.85	-16.76	8.91	-14.82	-7.05
		558	297.93	305.94	20.62	24.41	302.15	-32.67	61.75	-26.97	37.34	-2.56	-39.62
382	4	583	332.11	10.29	-141.28	5.77	-136.75	-25.81	14.64	-79.73	12.26	-77.36	-14.77
		601	258.96	16.27	-57.90	5.77	-47.40	-25.86	-11.13	-93.48	-15.26	-89.34	17.99
		599	106.30	32.84	-55.73	24.50	-47.40	-25.86	16.89	-21.24	10.21	-14.56	14.49
		558	218.62	28.53	-140.78	24.50	-136.75	-25.81	44.78	-9.62	37.73	-2.58	-18.27
382	5	583	324.33	10.40	-131.59	5.71	-126.90	-25.39	14.61	-79.22	12.20	-76.80	-14.87
		601	254.04	16.49	-54.28	5.71	-43.49	-25.44	-11.22	-92.56	-15.29	-88.48	17.74
		599	102.80	32.92	-51.96	24.45	-43.49	-25.44	16.72	-20.86	10.04	-14.18	14.37
		558	213.06	28.59	-131.04	24.45	-126.90	-25.39	44.60	-9.56	37.53	-2.50	-18.24
382	6	583	318.93	10.69	-121.17	5.62	-116.11	-25.35	14.60	-79.78	12.17	-77.35	-14.96
		601	250.90	17.43	-48.95	5.62	-37.14	-25.39	-11.32	-92.91	-15.31	-88.92	17.59
		599	100.37	33.50	-46.27	24.38	-37.14	-25.39	16.47	-21.35	9.98	-14.86	14.26
		558	209.40	28.81	-120.54	24.38	-116.11	-25.35	44.46	-10.29	37.45	-3.28	-18.29
382	7	583	321.91	10.61	-122.94	5.63	-117.96	-25.31	14.55	-80.51	12.22	-78.18	-14.70
		601	253.36	17.56	-48.25	5.63	-36.32	-25.36	-11.10	-93.97	-15.16	-89.91	17.88
		599	102.54	33.61	-45.51	24.42	-36.32	-25.36	16.65	-22.16	10.16	-15.67	14.49
		558	211.16	28.79	-122.33	24.42	-117.96	-25.31	44.32	-10.72	37.54	-3.94	-18.09
382	8	583	368.27	267.10	2.45	5.32	264.24	-27.39	19.38	-72.65	9.30	-62.57	-28.74
		601	279.79	171.85	0.83	5.32	167.36	-27.34	-15.94	-70.54	-16.06	-70.42	-2.51
		599	142.84	172.30	16.26	21.20	167.36	-27.34	5.28	-13.27	4.15	-12.13	-4.45
		558	252.13	267.29	18.15	21.20	264.24	-27.39	47.63	-22.41	29.50	-4.28	-30.68
382	9	583	181.71	33.76	-5.95	3.60	24.22	-16.97	16.18	-57.84	8.32	-49.97	-22.80
		601	159.13	31.78	-6.62	3.60	21.56	-16.97	-10.53	-58.70	-10.53	-58.70	0.07
		599	43.90	36.04	1.68	16.17	21.56	-16.97	7.81	-6.20	7.34	-5.72	-2.53
		558	154.55	37.63	2.75	16.17	24.22	-16.97	42.52	-13.33	26.19	3.00	-25.40
382	10	583	269.34	153.44	0.77	3.82	150.39	-21.35	15.92	-62.11	8.55	-54.73	-22.83
		601	227.34	105.58	-0.65	3.82	101.11	-21.32	-9.73	-64.32	-9.73	-64.32	-0.03
		599	101.49	106.17	11.20	16.25	101.11	-21.32	8.70	-10.78	8.23	-10.31	-3.00
		558	170.52	153.71	12.94	16.25	150.39	-21.35	42.06	-16.28	26.51	-0.73	-25.80
382	11	583	225.22	7.02	-85.33	3.67	-81.97	-17.28	10.60	-56.28	8.70	-54.38	-11.11
		601	180.65	11.53	-34.44	3.67	-26.58	-17.32	-6.65	-65.98	-9.05	-63.58	11.69
		599	72.23	22.36	-32.70	16.23	-26.58	-17.32	12.28	-13.79	8.82	-10.33	8.84
		558	147.74	19.19	-84.93	16.23	-81.97	-17.28	32.38	-6.94	26.57	-1.13	-13.95
383	1	599	451.70	138.76	-50.27	17.77	70.73	-90.73	19.08	-143.07	-134.81	10.81	35.66
		549	827.63	115.21	-71.75	22.44	21.02	-93.47	-46.94	-327.64	-327.12	-47.46	-12.14
		112	914.22	148.86	-46.29	82.17	20.40	-92.56	-90.72	-363.76	-360.72	-93.75	-28.64
		600	492.93	171.13	-12.82	86.97	71.35	-91.64	-32.77	-171.11	-168.41	-35.48	19.15
383	2	599	450.42	188.49	-37.78	20.07	130.63	-98.71	22.30	-142.61	-133.51	13.20	37.66

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		549	863.40	131.79	-76.42	24.67	30.70	-104.06	-51.03	-342.30	-341.93	-51.40	-10.40
		112	951.43	163.11	-48.72	84.35	30.03	-102.37	-91.71	-378.51	-375.59	-94.64	-28.83
		600	490.51	212.85	7.68	89.23	131.30	-100.40	-27.39	-169.81	-167.17	-30.03	19.22
383	3	599	446.55	262.15	-26.48	17.68	217.99	-103.91	15.68	-140.50	-131.61	6.79	36.18
		549	858.39	156.14	-71.72	22.24	62.18	-112.17	-58.95	-340.09	-339.58	-59.45	-11.88
		112	933.71	181.95	-38.24	82.24	61.46	-109.60	-98.45	-376.62	-373.12	-101.96	-31.03
		600	476.57	278.10	27.83	87.22	218.71	-106.47	-33.51	-167.35	-165.14	-35.72	17.04
383	4	599	529.26	93.74	-101.30	17.67	-25.23	-95.14	25.12	-151.69	-131.10	4.53	56.71
		549	811.86	135.84	-50.07	22.53	63.24	-90.70	-59.52	-325.24	-325.07	-59.68	6.71
		112	898.20	165.14	-19.80	82.59	62.75	-91.94	-107.57	-360.63	-360.03	-108.17	-12.27
		600	539.04	140.56	-78.08	87.22	-24.74	-93.90	-33.23	-176.77	-166.06	-43.95	37.73
383	5	599	525.02	93.55	-97.73	17.55	-21.72	-93.60	24.69	-151.29	-131.03	4.43	56.17
		549	802.88	132.55	-50.36	22.41	59.78	-89.53	-58.21	-321.30	-321.15	-58.36	6.25
		112	888.96	162.32	-20.48	82.57	59.28	-90.65	-106.79	-356.68	-356.07	-107.40	-12.32
		600	536.50	140.19	-74.20	87.21	-21.22	-92.47	-33.90	-176.65	-165.94	-44.61	37.61
383	6	599	520.77	95.46	-93.79	17.14	-15.47	-93.21	23.69	-151.12	-130.94	3.51	55.86
		549	797.66	133.41	-49.68	21.99	61.74	-89.36	-58.52	-319.70	-319.57	-58.65	5.95
		112	884.12	162.71	-19.34	82.14	61.23	-90.42	-107.33	-355.11	-354.49	-107.95	-12.42
		600	533.68	141.18	-69.35	86.79	-14.97	-92.15	-35.05	-176.61	-165.86	-45.79	37.49
383	7	599	520.50	95.55	-93.10	17.23	-14.78	-92.96	23.37	-151.24	-130.79	2.92	56.16
		549	798.10	135.31	-47.79	22.10	65.42	-88.95	-59.68	-320.45	-320.30	-59.83	6.22
		112	885.11	164.10	-16.85	82.33	64.92	-90.06	-108.28	-355.83	-355.22	-108.90	-12.35
		600	533.10	141.24	-68.52	86.99	-14.27	-91.85	-35.32	-176.53	-165.70	-46.15	37.58
383	8	599	381.67	225.27	-19.05	17.03	189.19	-86.69	5.21	-123.89	-117.97	-0.71	27.00
		549	647.38	129.57	-60.68	21.01	47.88	-94.17	-39.80	-252.80	-251.72	-40.88	-15.11
		112	704.99	153.12	-32.44	73.43	47.24	-91.85	-85.32	-285.10	-281.49	-88.92	-26.59
		600	425.04	238.97	28.64	77.79	189.82	-89.01	-46.37	-150.12	-147.75	-48.74	15.52
383	9	599	315.44	86.85	-40.11	10.94	35.79	-62.25	17.82	-94.76	-86.94	10.00	28.61
		549	600.17	81.08	-45.33	14.07	21.68	-63.09	-38.56	-239.30	-239.25	-38.61	-3.28
		112	660.41	102.37	-27.32	53.75	21.29	-62.78	-62.33	-262.93	-261.43	-63.83	-17.29
		600	332.58	109.97	-16.86	56.92	36.19	-62.56	-13.00	-111.34	-109.12	-15.22	14.60
383	10	599	300.79	151.93	-23.43	10.89	117.61	-69.57	16.02	-93.43	-85.17	7.77	28.91
		549	614.87	104.31	-45.80	13.96	44.55	-73.48	-45.22	-246.22	-246.17	-45.27	-3.14
		112	671.04	121.36	-23.46	53.80	44.10	-72.25	-66.67	-270.03	-268.31	-68.39	-18.62
		600	318.27	164.65	10.46	57.06	118.06	-70.80	-13.44	-109.23	-107.31	-15.36	13.43
383	11	599	356.11	63.88	-65.38	10.59	-12.09	-63.63	20.95	-99.80	-84.80	5.94	39.84
		549	585.01	91.75	-33.63	13.82	44.30	-60.81	-44.58	-235.29	-235.05	-44.83	6.77
		112	643.34	110.64	-12.93	53.74	43.97	-61.59	-71.35	-258.33	-257.97	-71.72	-8.28
		600	356.90	94.12	-49.06	56.82	-11.76	-62.85	-14.37	-114.29	-107.71	-20.95	24.79
384	1	558	274.41	123.81	12.88	25.45	111.24	-35.16	30.98	-63.66	-30.56	-2.13	-45.13
		599	330.49	77.62	10.43	32.47	55.59	-31.54	71.21	-64.05	71.08	-63.92	4.23
		600	348.87	62.68	-79.32	-71.24	54.60	-32.88	143.86	74.47	115.42	102.90	-34.13
		582	669.06	118.49	-70.31	-64.04	112.22	-33.82	201.78	-23.30	13.79	164.69	-83.49
384	2	558	313.60	216.96	16.26	26.44	206.78	-44.04	31.01	-64.26	-31.30	-1.95	-45.32
		599	366.96	131.36	18.36	33.39	116.33	-38.37	73.91	-61.58	73.82	-61.49	3.53
		600	385.84	123.69	-78.40	-69.99	115.28	-40.36	147.45	79.01	118.12	108.34	-33.87
		582	730.31	214.22	-69.13	-62.75	207.83	-42.05	203.75	-22.87	13.00	167.88	-82.72
384	3	558	367.45	355.57	17.84	26.75	346.66	-54.14	26.71	-67.32	-31.13	-9.48	-45.75
		599	437.84	217.05	22.30	33.58	205.77	-45.49	74.59	-67.51	74.55	-67.47	2.48
		600	417.44	212.92	-77.40	-69.09	204.61	-48.43	145.12	74.74	118.39	101.47	-34.15
		582	793.69	354.12	-68.10	-61.80	347.81	-51.20	196.41	-24.24	12.71	159.46	-82.39
384	4	558	165.84	32.16	-101.42	26.53	-95.79	-26.84	6.64	-48.07	-32.40	-9.02	-24.73
		599	383.29	43.47	-56.48	33.92	-46.93	-29.38	77.54	-72.92	73.33	-68.71	24.81
		600	336.57	-28.97	-91.88	-73.13	-47.72	-28.77	124.54	93.39	117.95	99.98	-12.72
		582	522.62	-49.38	-111.52	-65.90	-95.00	-27.45	182.44	-10.55	12.23	159.66	-62.27
384	5	558	163.40	32.39	-92.68	26.36	-86.66	-26.79	6.80	-47.80	-32.20	-8.80	-24.66
		599	379.74	43.47	-52.69	33.73	-42.95	-29.02	76.95	-72.97	72.72	-68.75	24.81
		600	333.65	-26.34	-90.45	-73.04	-43.75	-28.51	123.86	92.48	117.23	99.11	-12.81
		582	516.04	-46.76	-104.92	-65.82	-85.86	-27.30	181.93	-10.56	12.31	159.06	-62.28
384	6	558	162.34	33.01	-82.84	26.25	-76.09	-27.15	6.28	-47.95	-32.11	-9.57	-24.66
		599	377.39	44.14	-46.95	33.60	-36.41	-29.15	76.66	-73.86	72.45	-69.66	24.80
		600	330.54	-21.29	-88.97	-73.04	-37.22	-28.71	123.39	91.33	116.92	97.81	-12.87
		582	507.28	-42.57	-98.54	-65.82	-75.28	-27.58	180.95	-10.69	12.36	157.90	-62.33
384	7	558	162.22	32.91	-84.45	26.31	-77.84	-27.05	5.59	-48.00	-32.16	-10.25	-24.46
		599	379.28	44.29	-46.48	33.66	-35.85	-29.18	77.01	-74.47	72.76	-70.22	25.01
		600	330.70	-20.87	-88.85	-73.06	-36.65	-28.70	123.41	91.37	117.26	97.53	-12.63
		582	506.86	-43.35	-99.53	-65.84	-77.04	-27.53	180.43	-10.60	12.33	157.50	-62.09
384	8	558	298.40	308.74	15.64	23.05	301.33	-46.01	18.76	-53.93	-25.01	-10.16	-35.57
		599	378.57	188.18	19.68	28.99	178.86	-38.50	54.97	-65.04	54.67	-64.74	6.00
		600	319.73	184.73	-67.13	-60.25	177.86	-41.05	109.94	51.23	91.46	69.71	-27.27
		582	649.68	307.56	-59.14	-53.92	302.34	-43.46	156.94	-20.87	11.78	124.29	-68.84
384	9	558	176.81	61.21	5.36	17.13	49.45	-22.77	20.08	-42.91	-21.60	-1.24	-29.80

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		599	220.11	44.50	2.19	21.84	24.85	-21.10	53.27	-39.97	53.16	-39.86	3.26
		600	243.35	30.30	-53.62	-47.54	24.22	-21.76	102.26	59.11	83.40	77.97	-21.41
		582	444.11	55.08	-47.75	-42.75	50.08	-22.11	139.30	-14.06	8.64	116.59	-54.47
384	10	558	223.41	186.81	11.28	17.85	180.24	-33.32	17.65	-44.89	-21.92	-5.32	-30.15
		599	278.08	117.08	13.66	22.45	108.28	-28.85	55.14	-41.88	55.09	-41.83	2.29
		600	281.05	113.34	-52.13	-46.34	107.56	-30.40	102.89	59.33	85.05	77.18	-21.42
		582	513.57	185.42	-45.95	-41.50	180.97	-31.77	136.30	-14.57	8.04	113.68	-53.85
384	11	558	117.23	21.95	-59.00	17.57	-54.62	-18.32	6.40	-34.23	-22.46	-5.37	-18.43
		599	256.39	29.48	-33.27	22.47	-26.26	-19.77	56.10	-45.22	53.92	-43.04	14.69
		600	240.96	-15.39	-59.94	-48.54	-26.79	-19.44	90.30	69.07	84.23	75.14	-9.60
		582	360.58	-29.56	-68.27	-43.74	-54.09	-18.65	128.00	-7.33	7.85	112.82	-42.71
385	1	600	599.96	78.43	27.40	72.23	33.60	-16.67	121.62	-131.03	-122.80	113.39	-44.86
		112	1039.38	88.10	-18.78	74.70	-15.38	-17.83	-36.18	-386.01	-385.94	-36.25	5.01
		325	948.17	38.72	-21.95	32.41	-15.64	-18.53	-42.97	-367.76	-359.19	-51.55	-52.06
		602	663.67	50.43	18.45	35.02	33.86	-15.98	141.78	-139.74	-96.05	98.09	-101.93
385	2	600	619.88	119.74	54.89	74.41	100.22	-29.75	127.11	-128.79	-121.01	119.33	-43.93
		112	1079.98	88.10	-14.68	76.83	-3.41	-32.11	-34.76	-401.28	-401.26	-34.78	2.61
		325	986.29	53.75	-23.36	34.00	-3.62	-33.65	-50.61	-387.59	-378.09	-60.11	-55.76
		602	697.83	111.12	26.02	36.72	100.43	-28.21	138.31	-142.16	-97.84	94.00	-102.30
385	3	600	660.22	203.54	61.62	71.95	193.21	-36.87	121.95	-126.76	-118.62	113.81	-44.25
		112	1056.37	98.59	6.64	74.31	30.92	-40.53	-39.77	-398.88	-398.88	-39.78	-1.33
		325	971.66	73.93	-12.04	31.11	30.77	-42.98	-60.43	-389.81	-378.68	-71.56	-59.52
		602	724.43	200.47	26.81	33.93	193.35	-34.42	128.30	-144.71	-98.42	82.02	-102.44
385	4	600	595.93	75.99	-63.03	74.10	-61.14	-16.09	99.06	-127.07	-123.57	95.55	-27.95
		112	1015.32	80.32	14.99	76.96	18.34	-14.43	-49.23	-384.93	-383.30	-50.86	23.31
		325	903.21	39.48	9.95	31.50	17.93	-13.12	-57.77	-358.59	-355.07	-61.29	-32.35
		602	596.97	37.22	-63.82	34.13	-60.73	-17.40	117.90	-128.12	-95.34	85.12	-83.61
385	5	600	593.49	75.60	-59.97	73.99	-58.36	-14.68	98.69	-126.93	-123.41	95.17	-27.96
		112	1005.98	79.52	12.86	76.82	15.56	-13.14	-48.52	-380.94	-379.29	-50.17	23.37
		325	894.68	37.97	8.93	31.75	15.16	-11.92	-55.80	-354.26	-350.79	-59.27	-31.98
		602	596.95	37.03	-60.62	34.37	-57.95	-15.91	118.58	-127.42	-94.91	86.07	-83.31
385	6	600	587.67	75.08	-53.77	73.50	-52.20	-14.16	97.80	-126.80	-123.25	94.26	-27.99
		112	1000.28	78.95	15.20	76.31	17.84	-12.70	-49.10	-379.39	-377.73	-50.75	23.30
		325	889.51	37.91	10.94	31.40	17.44	-11.54	-56.12	-352.68	-349.19	-59.61	-31.97
		602	592.73	36.67	-54.45	34.02	-51.80	-15.32	118.00	-127.30	-94.71	85.40	-83.26
385	7	600	585.79	75.25	-53.03	73.72	-51.50	-13.92	97.11	-126.73	-123.19	93.58	-27.91
		112	1000.47	79.19	18.49	76.54	21.14	-12.40	-49.95	-380.07	-378.41	-51.61	23.33
		325	889.84	38.53	13.68	31.47	20.74	-11.20	-57.21	-353.44	-349.94	-60.71	-31.99
		602	590.86	36.70	-53.70	34.10	-51.10	-15.12	117.17	-127.42	-94.72	84.48	-83.23
385	8	600	537.79	173.86	56.52	64.62	165.76	-29.74	89.84	-113.22	-106.66	83.28	-35.91
		112	805.40	84.90	6.89	66.81	24.98	-32.92	-36.06	-303.80	-303.79	-36.07	1.29
		325	731.10	60.86	-9.25	26.78	24.83	-35.04	-41.59	-292.00	-283.65	-49.95	-44.97
		602	603.10	171.29	24.00	29.37	165.91	-27.62	104.71	-121.83	-86.52	69.40	-82.18
385	9	600	411.17	50.77	8.37	47.24	11.90	-11.71	86.73	-84.65	-79.52	81.59	-29.21
		112	745.20	51.44	-8.13	48.85	-5.54	-12.15	-24.86	-278.05	-277.98	-24.93	4.24
		325	681.24	26.46	-10.47	21.70	-5.72	-12.37	-35.87	-266.99	-261.30	-41.57	-35.82
		602	441.07	30.51	4.93	23.36	12.08	-11.48	95.30	-93.18	-62.84	64.95	-69.27
385	10	600	432.58	109.06	38.60	47.09	100.57	-22.93	86.91	-82.28	-77.20	81.83	-28.87
		112	754.59	62.96	5.86	48.63	20.19	-24.76	-26.88	-285.17	-285.17	-26.88	0.71
		325	693.44	46.49	-5.44	20.98	20.07	-25.96	-45.64	-279.18	-272.13	-52.69	-39.97
		602	474.24	106.34	17.10	22.75	100.69	-21.73	87.85	-95.98	-64.16	56.02	-69.55
385	11	600	404.69	49.20	-37.02	47.95	-35.76	-10.31	73.53	-82.34	-79.77	70.96	-19.84
		112	723.03	51.96	10.71	49.75	12.92	-9.29	-32.12	-274.28	-273.42	-32.98	14.40
		325	649.03	26.39	7.41	21.14	12.66	-8.49	-43.18	-258.61	-255.74	-46.04	-24.66
		602	404.69	24.85	-37.55	22.80	-35.51	-11.12	81.98	-86.17	-62.09	57.90	-58.90
386	1	582	564.14	138.68	-64.39	-63.79	138.08	11.03	172.83	3.84	7.29	169.37	-23.92
		600	596.93	23.46	-61.43	-59.19	21.23	13.59	254.70	102.76	137.23	220.24	-63.63
		602	277.29	32.27	-0.46	10.93	20.88	15.59	97.56	-4.06	76.25	17.25	-41.37
		584	170.56	139.09	15.23	15.89	138.43	9.02	-33.48	-53.82	-53.68	-33.61	-1.66
386	2	582	638.55	242.26	-60.77	-60.76	242.25	1.94	174.76	4.14	7.19	171.70	-22.63
		600	633.45	84.07	-56.79	-56.59	83.87	5.32	257.49	105.60	138.95	224.14	-62.88
		602	282.49	84.51	7.49	8.35	83.65	8.11	96.54	-3.61	76.85	16.08	-39.80
		584	225.47	242.48	13.00	13.00	242.47	-0.86	-36.35	-54.92	-54.91	-36.36	0.45
386	3	582	711.66	389.96	-57.82	-57.70	389.83	-7.43	165.66	4.13	7.37	162.42	-22.66
		600	665.59	173.46	-54.12	-54.08	173.42	-2.90	250.51	102.77	138.36	214.92	-63.18
		602	320.99	173.38	4.34	4.35	173.37	0.99	94.45	-11.05	76.10	7.30	-39.99
		584	332.07	390.22	8.29	8.63	389.88	-11.33	-45.18	-54.91	-54.88	-45.21	0.52
386	4	582	455.39	-53.20	-90.62	-68.54	-75.28	18.41	162.50	7.33	7.36	162.47	-2.15
		600	573.89	-46.95	-84.22	-63.15	-68.02	18.48	228.05	116.61	136.72	207.94	-42.86
		602	244.94	19.03	-72.44	15.28	-68.69	18.15	82.11	-2.63	74.86	4.62	-23.70
		584	177.90	24.20	-78.16	20.64	-74.61	18.73	-29.34	-66.00	-54.50	-40.84	17.01
386	5	582	448.50	-48.78	-85.89	-68.38	-66.28	18.52	162.09	7.30	7.34	162.05	-2.39

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		600	571.85	-45.43	-82.94	-63.02	-65.34	18.72	227.67	115.95	136.17	207.45	-43.01
		602	242.01	19.15	-70.02	15.12	-66.00	18.51	81.99	-2.01	74.55	5.42	-23.86
		584	172.90	24.38	-69.53	20.48	-65.63	18.73	-28.89	-65.35	-54.28	-39.97	16.77
386	6	582	438.67	-42.64	-81.33	-68.28	-55.69	18.29	160.99	7.27	7.31	160.94	-2.53
		600	567.04	-42.45	-79.78	-62.95	-59.28	18.58	226.80	115.52	135.96	206.36	-43.09
		602	240.44	19.21	-64.22	14.90	-59.92	18.45	81.88	-2.61	74.47	4.81	-23.91
		584	169.78	24.51	-59.31	20.25	-55.05	18.41	-29.42	-65.38	-54.18	-40.61	16.65
386	7	582	438.54	-43.86	-82.10	-68.36	-57.59	18.35	160.52	7.34	7.37	160.49	-2.23
		600	565.18	-42.02	-79.46	-63.02	-58.47	18.58	226.12	115.76	136.17	205.72	-42.85
		602	241.61	19.33	-63.43	15.01	-59.11	18.41	81.85	-3.33	74.59	3.93	-23.79
		584	171.81	24.57	-61.16	20.36	-56.95	18.52	-29.73	-65.78	-54.21	-41.30	16.83
386	8	582	581.93	337.92	-50.60	-50.53	337.84	-5.30	130.44	2.87	6.01	127.30	-19.77
		600	538.13	148.76	-47.35	-47.34	148.75	-1.33	200.95	78.09	110.09	168.95	-53.92
		602	268.94	148.73	4.13	4.16	148.70	2.07	76.70	-12.56	59.16	4.98	-35.47
		584	282.16	338.12	7.70	7.93	337.89	-8.70	-36.46	-45.12	-44.92	-36.67	-1.32
386	9	582	374.04	67.47	-43.41	-42.86	66.92	7.80	120.79	3.59	5.11	119.27	-13.26
		600	413.44	6.12	-41.57	-39.73	4.28	9.20	175.35	76.12	96.87	154.59	-40.36
		602	181.47	16.23	-4.58	7.64	4.01	10.25	65.87	-0.58	54.51	10.78	-25.02
		584	108.49	67.98	10.17	10.97	67.19	6.75	-24.21	-37.58	-37.25	-24.54	2.08
386	10	582	456.10	206.81	-39.50	-39.48	206.78	-2.46	116.82	3.75	5.16	115.41	-12.56
		600	442.15	88.83	-36.89	-36.89	88.83	0.04	172.96	76.18	97.50	151.64	-40.11
		602	204.66	88.78	3.93	3.98	88.73	2.14	64.38	-4.70	54.43	5.25	-24.26
		584	192.14	206.99	6.83	6.93	206.88	-4.56	-29.67	-39.22	-37.91	-30.98	3.29
386	11	582	313.74	-30.99	-55.10	-45.35	-40.73	11.83	114.61	5.11	5.12	114.59	-1.38
		600	398.54	-29.14	-53.12	-41.81	-40.45	11.97	160.01	83.04	96.17	146.88	-28.95
		602	168.41	12.47	-43.51	9.85	-40.88	11.84	57.87	-0.48	53.52	3.86	-15.32
		584	120.19	15.93	-42.85	13.39	-40.30	11.96	-19.91	-46.04	-37.52	-28.43	12.25
387	1	602	547.72	91.49	13.34	39.48	65.34	-36.87	1.39	-196.49	-162.00	-33.10	-75.07
		325	862.99	67.98	-8.25	39.48	20.25	-36.88	31.77	-305.39	-290.53	16.91	-69.20
		503	748.89	48.23	-28.37	-0.39	20.25	-36.88	-16.76	-286.39	-286.32	-16.83	4.49
		570	375.63	81.87	-16.92	-0.39	65.34	-36.87	-66.82	-157.81	-157.79	-66.84	-1.38
387	2	602	579.70	162.46	20.13	43.44	139.14	-52.68	-3.02	-201.18	-166.33	-37.86	-75.44
		325	908.48	92.72	-12.91	43.44	36.38	-52.70	28.86	-321.59	-306.18	13.46	-71.83
		503	798.57	72.32	-40.88	-4.94	36.38	-52.70	-25.56	-305.90	-305.81	-25.64	4.86
		570	405.37	156.35	-22.15	-4.94	139.14	-52.68	-76.94	-165.98	-165.96	-76.96	1.26
387	3	602	597.97	247.73	26.17	41.27	232.63	-55.84	-9.73	-202.65	-165.55	-46.83	-76.04
		325	916.08	107.47	-5.87	41.27	60.33	-55.86	21.62	-324.22	-307.22	4.61	-74.78
		503	813.01	90.13	-44.41	-14.61	60.33	-55.86	-35.55	-310.30	-310.28	-35.57	2.30
		570	430.30	244.65	-26.64	-14.61	232.63	-55.84	-87.00	-168.63	-168.61	-87.02	1.04
387	4	602	474.35	56.51	-45.83	38.13	-27.44	-39.29	-20.97	-185.58	-162.69	-43.87	-56.96
		325	822.06	95.29	11.14	38.13	68.30	-39.28	14.78	-295.72	-287.78	6.85	-49.01
		503	734.55	87.98	-10.10	9.57	68.30	-39.28	-22.36	-282.79	-280.36	-24.79	25.01
		570	385.67	34.50	-52.37	9.57	-27.44	-39.29	-72.01	-158.77	-155.28	-75.50	17.06
387	5	602	470.98	55.65	-43.01	38.09	-25.45	-37.74	-19.65	-184.18	-161.54	-42.28	-56.68
		325	812.30	89.96	10.65	38.09	62.52	-37.73	16.22	-292.17	-284.22	8.27	-48.85
		503	726.20	82.16	-9.95	9.69	62.52	-37.73	-20.25	-279.27	-276.90	-22.62	24.67
		570	382.79	33.75	-49.51	9.69	-25.45	-37.74	-69.82	-157.58	-154.22	-73.18	16.84
387	6	602	469.59	55.50	-37.73	37.66	-19.89	-36.67	-20.00	-183.75	-161.02	-42.72	-56.61
		325	808.65	89.69	11.83	37.66	63.86	-36.66	15.70	-290.94	-282.94	7.70	-48.87
		503	723.45	82.21	-9.39	8.96	63.86	-36.66	-20.71	-278.05	-275.72	-23.05	24.40
		570	380.43	33.94	-44.87	8.96	-19.89	-36.67	-70.16	-157.11	-153.80	-73.47	16.66
387	7	602	469.58	55.65	-37.18	37.69	-19.22	-36.67	-20.82	-184.02	-161.18	-43.65	-56.62
		325	809.86	91.96	12.93	37.69	67.20	-36.66	14.78	-291.50	-283.53	6.81	-48.76
		503	724.51	84.95	-8.52	9.24	67.20	-36.66	-21.49	-278.52	-276.14	-23.86	24.61
		570	380.55	34.34	-44.33	9.24	-19.22	-36.67	-70.94	-157.18	-153.80	-74.33	16.75
387	8	602	485.97	211.15	23.25	35.26	199.15	-45.95	-5.49	-161.85	-133.28	-34.06	-60.42
		325	708.61	87.78	-4.98	35.26	47.54	-45.97	21.04	-248.08	-233.98	6.94	-59.97
		503	625.87	72.68	-36.50	-11.35	47.54	-45.97	-24.75	-237.16	-237.16	-24.75	-0.19
		570	356.56	208.74	-20.94	-11.35	199.15	-45.95	-65.74	-136.47	-136.47	-65.75	-0.64
387	9	602	372.58	55.93	4.02	26.45	33.50	-25.72	-3.15	-136.45	-113.00	-26.59	-50.75
		325	610.50	49.61	-2.11	26.45	21.04	-25.72	18.19	-218.61	-209.22	8.79	-46.23
		503	535.75	38.43	-17.01	0.38	21.04	-25.72	-14.81	-205.94	-205.71	-15.04	6.62
		570	256.35	47.53	-13.65	0.38	33.50	-25.72	-50.35	-109.57	-109.49	-50.42	2.10
387	10	602	398.57	138.30	15.59	27.44	126.44	-36.25	-9.32	-139.87	-114.97	-34.22	-51.29
		325	641.58	72.50	-1.75	27.44	43.31	-36.27	12.49	-229.02	-218.49	1.96	-49.33
		503	570.84	62.18	-26.40	-7.53	43.31	-36.27	-25.30	-219.18	-219.03	-25.45	5.41
		570	285.71	135.62	-16.71	-7.53	126.44	-36.25	-61.41	-115.73	-115.51	-61.63	3.44
387	11	602	330.41	38.07	-26.48	25.44	-13.85	-25.60	-15.09	-129.30	-112.46	-31.94	-40.50
		325	582.94	62.80	7.90	25.44	45.27	-25.60	9.37	-210.69	-205.00	3.68	-34.93
		503	522.45	57.81	-6.97	5.57	45.27	-25.60	-16.79	-201.53	-199.82	-18.49	17.68
		570	265.32	23.24	-31.52	5.57	-13.85	-25.60	-51.48	-109.91	-107.28	-54.11	12.12
388	1	584	228.02	118.96	13.98	14.68	118.27	-8.51	38.54	-43.92	19.98	-25.36	-34.44

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		602	215.23	67.19	13.29	14.68	65.81	-8.52	40.76	-47.05	-2.78	-3.51	-43.91
		570	184.78	67.85	30.30	32.34	65.81	-8.52	-22.84	-64.44	-25.79	-61.49	-10.68
		596	287.45	119.10	31.51	32.34	118.27	-8.51	-3.01	-83.36	-3.03	-83.34	-1.22
388	2	584	299.69	238.42	11.31	12.31	237.41	-15.08	36.67	-47.35	20.34	-31.01	-33.25
		602	227.20	141.83	10.55	12.31	140.07	-15.10	36.47	-49.45	-4.25	-8.72	-42.90
		570	246.73	142.33	39.49	41.76	140.07	-15.10	-26.22	-71.85	-27.98	-70.09	-8.79
		596	388.08	238.57	40.60	41.76	237.41	-15.08	-3.39	-92.39	-3.40	-92.38	0.86
388	3	584	421.07	396.45	6.76	7.67	395.54	-18.84	34.97	-55.77	20.16	-40.96	-33.53
		602	266.08	236.28	6.11	7.67	234.72	-18.86	32.48	-55.71	-5.05	-18.17	-43.60
		570	327.68	236.67	52.16	54.10	234.72	-18.86	-28.05	-81.20	-29.52	-79.73	-8.72
		596	515.70	396.58	53.07	54.10	395.54	-18.84	-4.29	-102.53	-4.30	-102.51	1.35
388	4	584	216.54	21.29	-96.81	20.86	-96.38	-7.12	24.57	-39.29	20.25	-34.98	-16.03
		602	138.60	21.87	-29.22	20.86	-28.21	-7.11	18.01	-33.80	-1.94	-13.85	-25.21
		570	186.99	15.38	-29.37	14.22	-28.21	-7.11	-23.29	-71.53	-24.31	-70.51	6.93
		596	317.53	14.67	-96.84	14.22	-96.38	-7.12	0.69	-94.45	-2.12	-91.64	16.11
388	5	584	207.88	20.98	-88.54	20.55	-88.11	-6.84	24.55	-38.00	20.09	-33.54	-16.10
		602	136.46	21.53	-27.16	20.55	-26.18	-6.83	18.83	-32.86	-1.73	-12.30	-25.30
		570	180.61	16.27	-27.28	15.17	-26.18	-6.83	-23.00	-69.44	-24.06	-68.37	6.94
		596	307.12	15.62	-88.56	15.17	-88.11	-6.84	0.64	-92.50	-2.25	-89.61	16.15
388	6	584	202.95	20.65	-78.47	20.21	-78.04	-6.58	24.51	-38.50	20.04	-34.03	-16.17
		602	135.56	21.24	-21.57	20.21	-20.53	-6.57	18.76	-33.21	-1.67	-12.78	-25.38
		570	178.03	16.97	-21.68	15.82	-20.53	-6.57	-22.98	-69.75	-24.00	-68.72	6.85
		596	301.63	16.28	-78.49	15.82	-78.04	-6.58	0.55	-92.82	-2.30	-89.97	16.07
388	7	584	205.90	20.78	-80.31	20.35	-79.88	-6.57	24.46	-39.20	20.11	-34.86	-16.05
		602	135.89	21.39	-20.94	20.35	-19.89	-6.56	18.32	-33.64	-1.64	-13.68	-25.27
		570	179.80	16.65	-21.07	15.48	-19.89	-6.56	-22.98	-70.60	-23.99	-69.58	6.88
		596	304.90	15.93	-80.33	15.48	-79.88	-6.57	0.60	-93.61	-2.24	-90.77	16.10
388	8	584	345.49	341.03	6.23	6.95	340.31	-15.55	28.82	-44.05	14.84	-30.07	-28.69
		602	218.47	202.17	5.71	6.95	200.93	-15.57	29.30	-44.61	-4.96	-10.34	-36.86
		570	261.42	202.48	45.16	46.71	200.93	-15.57	-23.54	-61.98	-24.86	-60.67	-6.99
		596	421.38	341.13	45.89	46.71	340.31	-15.55	-5.03	-80.41	-5.05	-80.39	1.18
388	9	584	143.33	55.20	9.63	10.38	54.46	-5.76	24.49	-30.43	14.80	-20.74	-20.94
		602	133.85	35.03	9.03	10.38	33.68	-5.77	23.93	-31.33	-1.18	-6.23	-27.52
		570	128.39	35.72	17.43	19.47	33.68	-5.77	-16.20	-47.22	-17.14	-46.29	-5.32
		596	191.31	55.38	18.55	19.47	54.46	-5.76	-1.13	-60.82	-1.16	-60.80	1.26
388	10	584	250.60	209.15	5.83	6.48	208.50	-11.50	22.89	-37.39	14.90	-29.40	-20.43
		602	163.61	128.60	5.40	6.48	127.52	-11.51	19.58	-36.40	-2.44	-14.37	-27.35
		570	209.01	128.88	30.20	31.56	127.52	-11.51	-18.73	-56.89	-19.21	-56.42	-4.23
		596	318.35	209.24	30.82	31.56	208.50	-11.50	-1.76	-71.55	-1.87	-71.45	2.69
388	11	584	146.32	13.77	-54.92	13.45	-54.60	-4.69	17.54	-28.26	14.83	-25.56	-10.79
		602	95.73	14.22	-15.06	13.45	-14.29	-4.68	12.09	-24.03	-0.56	-11.38	-17.23
		570	130.30	11.16	-15.15	10.29	-14.29	-4.68	-15.58	-50.87	-16.14	-50.30	4.43
		596	215.51	10.63	-54.94	10.29	-54.60	-4.69	1.05	-66.28	-0.75	-64.48	10.86
389	1	570	379.15	118.25	-18.64	-16.26	115.87	-17.91	-46.74	-147.87	-114.06	-80.55	47.71
		503	879.77	85.83	-48.57	4.03	33.23	-65.59	-82.84	-353.45	-338.59	-97.70	61.65
		326	1044.95	93.69	-8.54	65.83	19.33	-45.52	6.81	-370.16	-364.53	1.18	45.71
		559	464.59	156.29	75.39	101.92	129.77	-37.98	24.47	-146.13	-140.00	18.33	31.76
389	2	570	419.37	194.90	-18.41	-17.92	194.41	-10.22	-49.90	-156.27	-117.74	-88.43	51.13
		503	935.18	121.84	-48.34	2.17	71.33	-77.75	-92.14	-377.11	-360.42	-108.83	66.92
		326	1093.22	113.11	10.19	70.43	52.87	-50.71	-0.60	-394.02	-387.81	-6.81	49.02
		559	463.76	225.31	101.24	113.68	212.87	-37.26	20.26	-151.81	-145.13	13.59	33.23
389	3	570	444.42	272.68	-15.57	-14.63	271.74	16.44	-58.01	-160.38	-121.92	-96.48	49.58
		503	939.53	139.96	-39.62	6.55	93.79	-78.48	-98.04	-380.45	-364.74	-113.75	64.73
		326	1102.27	120.36	35.25	86.77	68.83	-41.60	-6.33	-398.91	-392.69	-12.54	49.00
		559	468.58	299.34	138.51	141.15	296.70	-20.44	11.82	-156.96	-149.88	4.74	33.84
389	4	570	431.82	65.84	-48.22	-26.69	44.31	-44.63	-39.92	-161.72	-104.51	-97.12	60.79
		503	831.23	88.01	-20.43	-2.63	70.21	-40.17	-96.00	-343.15	-320.35	-118.80	71.53
		326	952.19	97.62	19.60	49.37	67.85	-37.90	-14.95	-354.85	-346.52	-23.28	52.53
		559	452.02	106.40	9.85	69.58	46.68	-46.90	10.76	-143.04	-130.69	-1.60	41.80
389	5	570	428.78	65.34	-46.37	-25.36	44.33	-43.65	-38.68	-160.46	-103.83	-95.30	60.74
		503	824.54	84.27	-22.67	-1.70	63.30	-42.46	-93.10	-339.08	-316.62	-115.56	70.85
		326	948.85	94.79	15.99	50.55	60.24	-39.10	-13.02	-351.51	-343.10	-21.43	52.70
		559	454.63	108.04	10.95	71.60	47.39	-47.01	11.61	-143.09	-130.31	-1.18	42.59
389	6	570	425.99	66.01	-43.10	-24.63	47.55	-40.91	-39.29	-160.16	-103.82	-95.63	60.30
		503	820.38	83.49	-21.18	-0.92	63.23	-41.36	-93.14	-337.54	-315.37	-115.32	70.20
		326	945.59	93.51	18.28	52.01	59.78	-37.41	-13.23	-350.22	-341.86	-21.59	52.40
		559	452.68	108.63	16.09	73.72	51.00	-44.85	10.90	-143.10	-130.31	-1.89	42.50
389	7	570	426.50	66.68	-42.89	-24.60	48.39	-40.85	-39.76	-160.40	-103.87	-96.29	60.20
		503	820.10	85.03	-19.77	-0.84	66.11	-40.32	-94.14	-337.90	-315.64	-116.39	70.22
		326	943.51	94.49	20.25	51.86	62.88	-36.71	-14.08	-350.25	-341.94	-22.39	52.19
		559	450.52	108.19	16.68	73.25	51.62	-44.46	10.37	-142.83	-130.17	-2.28	42.18
389	8	570	367.61	232.15	-11.83	-11.04	231.36	13.89	-52.33	-132.74	-104.95	-80.12	38.24

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		503	713.04	118.62	-35.10	6.92	76.60	-68.51	-73.97	-287.87	-278.29	-83.54	44.23
		326	853.46	103.31	27.33	75.64	54.99	-36.56	-12.25	-309.82	-305.00	-17.07	37.58
		559	410.34	255.41	120.01	122.47	252.96	-18.06	-5.73	-139.58	-131.66	-13.65	31.58
389	9	570	267.23	72.86	-15.25	-12.67	70.28	-14.86	-29.14	-102.81	-74.71	-57.23	35.78
		503	630.85	57.39	-27.86	1.43	28.09	-40.49	-62.20	-255.32	-242.35	-75.17	48.33
		326	736.93	62.09	-0.15	41.77	20.17	-29.19	5.76	-262.70	-258.39	1.46	33.72
		559	311.98	98.23	44.05	64.07	78.21	-26.15	23.32	-94.68	-90.75	19.39	21.17
389	10	570	300.58	156.98	-11.87	-11.76	156.88	4.23	-35.19	-109.97	-79.08	-66.08	36.82
		503	664.70	88.30	-23.73	2.83	61.74	-47.65	-70.64	-270.32	-256.87	-84.09	50.04
		326	768.68	77.70	23.38	53.41	47.67	-27.01	-1.53	-278.67	-274.04	-6.16	35.55
		559	311.52	174.00	82.82	85.87	170.94	-16.41	16.27	-100.67	-96.24	11.84	22.33
389	11	570	295.20	44.65	-29.64	-17.32	32.33	-27.63	-24.51	-110.13	-69.02	-65.61	42.78
		503	598.97	57.23	-13.79	-1.32	44.76	-27.02	-67.56	-246.85	-229.45	-84.96	53.08
		326	681.46	63.42	13.32	34.09	42.64	-24.68	-5.36	-251.63	-245.80	-11.19	37.44
		559	304.69	72.20	10.65	48.41	34.44	-29.97	15.46	-92.68	-85.37	8.16	27.14
390	1	596	285.09	166.94	-13.82	35.65	117.48	-80.59	17.99	-78.25	-0.92	-59.34	-38.24
		570	335.39	130.12	26.77	65.23	91.65	-49.96	-10.67	-101.10	-39.79	-71.98	42.25
		559	301.91	102.76	-104.21	-79.62	78.17	-66.97	116.08	67.66	79.24	104.50	20.65
		585	499.94	151.96	-61.59	-40.59	130.96	-63.58	177.47	57.78	118.11	117.14	-59.84
390	2	596	318.04	302.96	-20.33	51.03	231.60	-134.08	11.02	-81.81	-4.75	-66.04	-34.86
		570	402.19	217.32	35.80	82.54	170.57	-79.38	-10.25	-105.34	-40.17	-75.42	44.16
		559	333.38	189.58	-130.11	-90.19	149.66	-105.68	117.07	60.61	76.56	101.13	25.42
		585	548.53	288.03	-74.51	-38.99	252.51	-107.77	164.85	57.63	111.98	110.50	-53.60
390	3	596	423.56	461.08	-29.25	63.63	368.20	-192.14	4.10	-86.10	-7.71	-74.29	-30.43
		570	478.04	318.54	44.99	98.30	265.23	-108.36	-11.69	-110.74	-40.71	-81.72	45.08
		559	380.37	288.56	-164.76	-111.43	235.23	-146.05	112.10	50.95	70.98	92.08	28.70
		585	606.05	446.72	-93.34	-44.82	398.20	-154.44	148.60	54.88	103.98	99.50	-46.81
390	4	596	216.86	24.22	-54.15	23.29	-53.22	-8.50	-0.69	-66.84	-10.44	-57.08	-23.45
		570	349.85	57.57	-20.21	50.45	-13.09	-22.43	1.42	-120.72	-50.63	-68.67	60.40
		559	339.13	-1.93	-58.50	-47.43	-13.00	-22.44	133.85	49.18	73.66	109.37	38.39
		585	396.40	-27.17	-56.07	-29.93	-53.31	-8.49	163.01	71.79	113.85	120.96	-45.47
390	5	596	212.01	25.06	-49.20	23.44	-47.58	-10.85	-0.24	-65.48	-10.34	-55.38	-23.60
		570	347.45	58.13	-18.10	50.67	-10.65	-22.64	1.57	-119.36	-50.63	-67.17	59.90
		559	338.49	-0.04	-60.48	-49.31	-11.21	-23.46	133.63	49.42	73.04	110.01	37.83
		585	394.69	-26.02	-51.82	-30.81	-47.03	-10.03	163.42	71.71	113.33	121.80	-45.66
390	6	596	209.90	26.28	-42.96	23.62	-40.29	-13.31	-0.49	-65.63	-10.36	-55.76	-23.35
		570	350.11	59.69	-13.98	51.03	-5.32	-23.73	1.35	-119.73	-50.71	-67.66	59.94
		559	336.70	4.99	-62.07	-50.78	-6.31	-25.09	132.96	48.91	72.67	109.20	37.85
		585	389.52	-22.85	-47.99	-31.54	-39.30	-11.95	162.68	71.44	113.02	121.10	-45.44
390	7	596	211.03	26.08	-43.80	23.67	-41.40	-12.73	-0.73	-66.05	-10.39	-56.39	-23.19
		570	351.61	59.85	-14.06	51.02	-5.23	-23.97	1.39	-120.23	-50.65	-68.19	60.17
		559	336.67	5.37	-61.18	-49.85	-5.96	-25.01	132.97	48.69	72.86	108.80	38.12
		585	388.99	-23.20	-48.48	-31.02	-40.66	-11.69	162.26	71.45	113.12	120.60	-45.25
390	8	596	360.27	394.67	-25.19	54.20	315.29	-164.40	1.50	-69.74	-6.76	-61.48	-22.81
		570	411.47	271.84	38.74	84.03	226.56	-92.22	-12.64	-97.33	-39.98	-70.00	39.60
		559	316.46	246.10	-141.89	-96.51	200.72	-124.69	84.61	33.44	51.68	66.37	24.51
		585	494.13	382.42	-80.44	-39.15	341.13	-131.93	118.11	41.67	84.89	74.89	-37.89
390	9	596	187.11	90.56	-8.41	22.65	59.51	-45.93	11.12	-53.35	-1.61	-40.63	-25.66
		570	223.61	76.99	15.15	42.16	49.98	-30.67	-4.36	-68.63	-25.14	-47.85	30.06
		559	218.72	57.57	-64.27	-49.25	42.56	-40.05	86.50	48.71	57.61	77.60	16.04
		585	331.56	79.62	-38.35	-25.67	66.93	-36.54	122.71	43.26	81.15	84.82	-39.68
390	10	596	246.92	252.99	-16.01	38.19	198.80	-107.90	3.32	-57.63	-5.38	-48.93	-21.32
		570	301.89	179.81	27.14	60.53	146.42	-63.11	-4.94	-73.97	-25.65	-53.26	31.63
		559	250.58	160.79	-97.91	-66.93	129.81	-83.99	84.20	39.53	53.03	70.70	20.51
		585	388.93	243.31	-55.93	-28.02	215.40	-87.02	106.61	41.71	73.30	75.02	-32.44
390	11	596	148.66	17.56	-29.74	15.96	-28.14	-8.55	0.82	-46.30	-6.85	-38.64	-17.39
		570	232.11	40.15	-9.77	34.27	-3.89	-16.10	2.19	-78.85	-31.21	-45.45	39.89
		559	239.82	3.33	-40.94	-33.23	-4.37	-16.79	95.85	38.32	53.96	80.21	25.60
		585	274.55	-15.54	-32.76	-20.64	-27.66	-7.86	114.65	50.69	78.32	87.02	-31.68
391	1	559	645.17	84.52	34.57	34.73	84.37	-2.81	21.49	-226.49	-226.48	21.48	-1.51
		326	980.43	45.77	2.19	38.71	9.25	-16.05	9.98	-352.29	-340.88	-1.44	63.29
		508	745.58	24.04	-37.64	-27.08	13.48	-23.23	-35.89	-292.83	-272.86	-55.87	68.80
		571	414.63	80.34	-11.54	-11.33	80.13	4.37	-32.82	-158.59	-158.46	-32.95	4.01
391	2	559	700.50	182.44	21.99	22.93	181.50	12.27	4.65	-239.76	-239.76	4.65	-0.10
		326	1004.46	56.95	21.51	23.59	54.86	-8.34	-4.40	-377.94	-365.02	-17.32	68.27
		508	820.46	67.24	-52.89	-48.78	63.13	-21.83	-54.57	-320.30	-295.66	-79.21	77.08
		571	461.29	176.47	-31.71	-28.47	173.23	25.76	-56.57	-171.07	-170.40	-57.23	8.70
391	3	559	737.71	270.27	10.11	17.47	262.91	43.13	-7.63	-246.54	-246.53	-7.64	1.37
		326	1019.50	54.44	9.06	11.73	51.77	10.69	-10.63	-383.13	-369.98	-23.78	68.74
		508	856.18	68.16	-66.72	-65.39	66.83	-13.35	-56.99	-329.95	-301.10	-85.84	83.92
		571	513.12	262.82	-53.55	-38.58	247.85	67.18	-67.22	-180.13	-177.65	-69.70	16.55
391	4	559	622.78	55.70	-15.13	48.82	-8.26	-20.97	4.32	-217.51	-217.35	4.16	5.97

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		326	908.11	76.01	45.43	64.42	57.03	-14.84	-4.57	-331.19	-314.69	-21.07	71.53
		508	666.92	50.15	-0.16	0.20	49.79	-4.25	-37.59	-264.68	-237.90	-64.37	73.24
		571	346.73	34.33	-29.19	6.16	-1.02	-31.56	-38.56	-141.14	-140.56	-39.14	7.68
391	5	559	620.71	56.15	-13.95	48.71	-6.52	-21.58	6.50	-215.78	-215.58	6.30	6.72
		326	905.31	75.09	39.40	63.79	50.70	-16.60	-1.81	-328.09	-311.66	-18.24	71.35
		508	663.01	45.15	-2.51	-1.46	44.09	-7.00	-35.31	-262.89	-236.00	-62.20	73.46
		571	346.36	33.94	-28.63	5.22	0.09	-31.18	-36.91	-140.67	-139.92	-37.67	8.83
391	6	559	618.58	55.06	-10.55	49.02	-4.50	-18.97	6.42	-215.31	-215.11	6.22	6.68
		326	901.91	72.33	38.96	63.60	47.69	-14.66	-1.61	-326.79	-310.49	-17.91	70.96
		508	661.40	42.26	-1.96	-1.21	41.51	-5.72	-34.57	-261.92	-235.07	-61.42	73.37
		571	345.53	31.70	-24.29	5.74	1.68	-27.92	-36.49	-140.49	-139.69	-37.29	9.09
391	7	559	617.78	55.43	-9.76	49.46	-3.78	-18.81	5.64	-215.42	-215.24	5.46	6.36
		326	899.41	73.26	41.96	64.29	50.93	-14.16	-2.54	-326.53	-310.25	-18.82	70.78
		508	659.48	45.06	-1.23	-0.71	44.54	-4.89	-35.33	-261.24	-234.46	-62.11	73.03
		571	344.21	32.48	-23.78	6.09	2.61	-28.08	-37.11	-140.17	-139.44	-37.83	8.61
391	8	559	600.87	229.75	9.81	16.01	223.55	36.41	-4.86	-198.63	-198.60	-4.88	2.06
		326	793.36	44.85	9.02	11.22	42.66	8.59	-5.55	-296.95	-287.25	-15.25	52.27
		508	669.62	56.82	-56.87	-55.60	55.54	-11.99	-41.91	-256.00	-233.64	-64.26	65.48
		571	428.92	223.36	-45.20	-32.51	210.67	56.98	-51.40	-147.48	-144.99	-53.89	15.26
391	9	559	437.47	47.50	23.94	24.55	46.89	-3.75	11.85	-157.11	-157.11	11.84	-0.65
		326	688.09	33.62	7.30	28.50	12.42	-10.42	3.40	-249.51	-240.55	-5.57	46.77
		508	522.16	19.07	-20.32	-15.21	13.97	-13.23	-27.95	-206.38	-191.11	-43.23	49.92
		571	273.91	45.36	-5.82	-5.80	45.35	-0.94	-25.74	-107.74	-107.67	-25.82	2.51
391	10	559	488.21	149.60	11.44	14.96	146.08	21.78	-4.33	-168.26	-168.25	-4.33	0.95
		326	704.34	36.88	12.67	13.51	36.04	4.44	-8.01	-266.69	-256.72	-17.98	49.80
		508	584.12	44.35	-37.23	-36.49	43.60	-7.74	-39.55	-227.13	-206.80	-59.88	58.32
		571	325.90	145.45	-27.86	-20.93	138.52	33.96	-45.01	-119.55	-118.33	-46.23	9.47
391	11	559	430.43	36.63	-6.62	32.49	-2.48	-12.73	3.46	-150.89	-150.79	3.36	3.90
		326	645.26	48.60	27.50	42.32	33.78	-9.65	-2.92	-235.46	-223.67	-14.72	51.03
		508	476.10	29.94	-1.24	-0.84	29.54	-3.50	-27.07	-189.35	-170.11	-46.31	52.46
		571	237.70	21.62	-16.17	3.69	1.76	-18.87	-27.82	-97.65	-97.24	-28.23	5.33
392	1	585	228.79	171.38	-9.94	-1.06	162.50	-39.13	69.23	31.19	59.85	40.57	-16.40
		559	317.34	65.03	-7.59	-1.87	59.31	-19.57	120.52	27.28	84.97	62.83	-45.28
		571	262.84	71.49	47.27	49.50	69.26	-7.01	-15.27	-92.03	-15.28	-92.02	0.81
		597	406.18	177.58	45.80	70.82	152.55	-51.69	-29.93	-124.74	-40.39	-114.28	29.70
392	2	585	284.89	329.02	-2.14	21.85	305.03	-85.84	57.72	29.17	55.18	31.71	-8.13
		559	338.64	157.42	-6.88	14.87	135.66	-55.68	109.59	27.48	80.70	56.38	-39.21
		571	360.35	165.56	62.21	74.57	153.20	-33.53	-24.56	-110.47	-26.07	-108.96	11.27
		597	576.51	337.38	53.74	103.62	287.49	-107.99	-33.65	-151.57	-51.59	-133.63	42.35
392	3	585	361.96	499.23	8.89	46.38	461.73	-130.30	49.18	24.93	49.06	25.05	-1.72
		559	362.14	242.58	-4.61	30.90	207.07	-86.69	100.24	26.77	76.03	50.98	-34.53
		571	427.42	252.17	81.25	98.92	234.51	-52.03	-31.63	-117.17	-35.71	-113.09	18.24
		597	716.73	507.76	63.89	137.36	434.29	-164.97	-37.11	-164.58	-62.68	-139.01	51.04
392	4	585	156.90	-21.39	-56.05	-36.82	-40.62	17.22	54.56	37.84	53.70	38.69	-3.68
		559	254.97	2.65	-32.35	-23.55	-6.15	15.18	100.04	34.94	77.44	57.54	-30.99
		571	234.44	17.74	-14.11	15.89	-12.26	7.45	-16.07	-89.74	-17.40	-88.41	9.82
		597	339.61	31.81	-43.90	22.42	-34.51	24.95	-24.48	-123.92	-41.14	-107.26	37.14
392	5	585	155.61	-18.97	-50.17	-35.44	-33.69	15.57	54.47	39.31	53.28	40.50	-4.08
		559	255.93	2.39	-31.32	-22.87	-6.06	14.61	100.94	35.94	77.31	59.57	-31.27
		571	227.67	19.22	-13.40	17.19	-11.37	7.88	-16.09	-87.24	-17.45	-85.89	9.72
		597	329.40	32.62	-36.53	24.47	-28.38	22.30	-24.53	-121.89	-41.48	-104.95	36.91
392	6	585	152.85	-15.94	-45.32	-34.43	-26.83	14.19	54.20	39.21	53.03	40.38	-4.01
		559	254.28	3.96	-29.64	-22.34	-3.35	13.86	100.70	35.83	77.15	59.38	-31.19
		571	224.06	19.99	-10.30	17.85	-8.16	7.76	-16.20	-86.65	-17.56	-85.29	9.69
		597	323.36	33.00	-29.50	25.51	-22.01	20.29	-24.62	-121.36	-41.68	-104.30	36.87
392	7	585	152.75	-16.85	-46.38	-34.83	-28.40	14.41	54.13	38.56	53.12	39.57	-3.84
		559	253.06	4.58	-29.38	-22.46	-2.35	13.68	100.20	35.47	77.18	58.49	-30.99
		571	225.72	19.48	-9.39	17.56	-7.46	7.20	-16.05	-87.47	-17.41	-86.11	9.77
		597	326.08	32.75	-31.08	24.96	-23.29	20.89	-24.54	-121.97	-41.48	-105.03	36.92
392	8	585	307.10	426.07	7.49	39.22	394.34	-110.79	38.51	19.19	38.24	19.46	-2.26
		559	299.35	205.88	-3.88	26.05	175.96	-73.35	80.91	19.87	60.55	40.22	-28.78
		571	340.96	214.20	70.09	84.82	199.47	-43.66	-27.10	-90.96	-30.10	-87.95	13.53
		597	582.63	433.39	55.34	117.90	370.83	-140.48	-31.62	-129.52	-52.42	-108.72	40.05
392	9	585	138.71	90.72	-8.85	-4.56	86.44	-20.21	46.17	23.62	41.53	28.25	-9.11
		559	206.95	35.40	-5.90	-3.54	33.04	-9.58	81.32	21.14	58.83	43.63	-29.12
		571	182.72	39.12	28.10	29.34	37.88	-3.48	-10.40	-66.05	-10.54	-65.91	2.80
		597	273.26	94.70	28.78	41.89	81.60	-26.31	-19.44	-89.69	-27.85	-81.29	22.80
392	10	585	209.79	272.69	1.78	21.79	252.68	-70.86	35.59	19.58	35.53	19.63	-0.96
		559	230.97	133.60	-3.81	14.66	115.13	-46.87	70.08	20.83	53.87	37.04	-23.14
		571	274.45	139.50	46.98	56.79	129.69	-28.49	-19.23	-80.28	-21.89	-77.62	12.48
		597	445.84	278.10	38.88	78.85	238.12	-89.24	-23.45	-111.81	-40.23	-95.03	34.66
392	11	585	106.86	-11.26	-30.59	-23.11	-18.74	9.42	38.23	27.65	37.74	28.15	-2.23

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		559	176.36	2.80	-19.47	-14.91	-1.77	8.99	70.33	25.88	54.49	41.71	-21.29
		571	163.96	12.98	-6.36	11.75	-5.13	4.73	-10.65	-63.33	-11.81	-62.17	7.73
		597	234.37	21.75	-20.42	16.71	-15.38	13.68	-16.46	-87.84	-28.56	-75.74	26.78
393	1	571	396.36	113.85	6.14	6.31	113.69	4.22	-34.13	-155.58	-109.87	-79.84	58.84
		508	968.11	63.17	-43.64	17.30	2.23	-52.87	-79.35	-382.84	-361.36	-100.82	77.83
		332	1124.71	74.20	-23.39	63.01	-12.20	-31.09	7.77	-397.53	-388.09	-1.67	61.11
		560	463.67	135.52	86.41	93.81	128.12	-17.56	29.96	-147.25	-136.60	19.31	42.12
393	2	571	456.90	207.38	8.79	17.27	198.90	40.15	-50.83	-179.09	-123.47	-106.45	63.56
		508	1024.01	72.85	-0.62	24.77	47.46	-34.94	-100.69	-414.18	-386.19	-128.68	89.39
		332	1144.72	70.19	28.12	68.85	29.46	-7.38	-9.06	-419.54	-405.75	-22.85	73.97
		560	468.01	218.28	101.64	103.02	216.90	12.59	14.12	-157.77	-143.03	-0.62	48.14
393	3	571	507.89	276.37	9.17	41.57	243.98	87.22	-60.61	-198.03	-136.27	-122.37	68.36
		508	1046.45	54.50	15.33	43.40	26.44	-17.66	-101.47	-421.35	-387.85	-134.97	97.95
		332	1155.12	89.37	-1.86	84.99	2.51	19.49	-7.98	-420.64	-399.47	-29.15	91.03
		560	522.94	283.69	109.04	124.82	267.91	50.07	7.72	-172.16	-147.89	-16.54	61.44
393	4	571	410.91	58.91	-43.56	-32.01	47.36	-32.39	-25.63	-152.89	-94.15	-84.38	63.44
		508	830.84	70.74	-26.62	-6.12	50.24	-39.69	-87.32	-341.46	-319.32	-109.46	71.67
		332	971.59	84.15	17.06	56.26	44.96	-33.07	-15.56	-359.29	-351.69	-23.16	50.54
		560	448.27	109.36	25.81	82.53	52.65	-39.01	14.61	-139.20	-126.52	1.92	42.32
393	5	571	412.90	60.66	-41.99	-30.26	48.94	-32.66	-24.05	-152.70	-93.48	-83.27	64.13
		508	830.10	69.90	-29.27	-5.33	45.97	-42.43	-84.91	-339.64	-317.42	-107.14	71.88
		332	971.63	83.91	12.05	55.71	40.26	-35.09	-14.72	-358.25	-350.35	-22.63	51.50
		560	450.81	110.60	26.05	82.00	54.64	-40.00	14.79	-139.97	-126.42	1.24	43.74
393	6	571	410.35	58.31	-38.57	-28.20	47.94	-29.95	-24.05	-152.69	-93.69	-83.05	64.10
		508	828.05	65.79	-28.47	-3.65	40.98	-41.51	-83.76	-338.18	-315.97	-105.98	71.82
		332	970.91	81.42	10.63	57.13	34.92	-33.61	-13.59	-356.72	-348.61	-21.69	52.11
		560	452.02	109.53	28.18	83.72	53.99	-37.86	15.16	-140.26	-126.33	1.24	44.39
393	7	571	409.19	59.39	-39.12	-28.87	49.14	-30.08	-24.76	-152.38	-93.61	-83.53	63.61
		508	823.41	67.62	-26.96	-4.01	44.67	-40.55	-84.72	-337.05	-315.03	-106.73	71.21
		332	964.78	82.19	13.74	57.12	38.81	-32.97	-14.78	-355.47	-347.55	-22.70	51.33
		560	448.75	109.58	29.02	83.60	54.99	-37.65	14.13	-139.76	-126.13	0.50	43.73
393	8	571	415.90	235.23	8.53	35.70	208.05	73.63	-55.84	-163.96	-117.01	-102.78	53.59
		508	801.59	47.76	10.72	37.46	21.02	-16.60	-77.92	-321.39	-297.91	-101.39	71.86
		332	897.97	76.78	-2.69	73.68	0.40	15.39	-13.12	-328.65	-310.51	-31.26	73.43
		560	434.43	241.66	95.13	108.12	228.67	41.64	-7.69	-154.57	-129.62	-32.65	55.16
393	9	571	275.53	69.39	-0.16	-0.15	69.37	-0.97	-19.86	-106.59	-71.29	-55.16	42.61
		508	681.13	41.79	-25.05	8.81	7.93	-33.42	-59.05	-271.95	-254.96	-76.04	57.69
		332	784.20	49.53	-9.12	41.07	-0.65	-20.61	6.14	-278.59	-272.24	-0.21	42.05
		560	311.89	85.67	53.33	61.05	77.95	-13.78	26.96	-94.86	-88.57	20.67	26.97
393	10	571	331.43	156.61	4.58	19.43	141.75	45.14	-34.34	-130.40	-85.95	-78.78	47.90
		508	725.51	36.23	8.46	23.31	21.38	-13.85	-71.12	-293.56	-269.67	-95.01	68.87
		332	800.48	54.47	6.33	53.28	7.52	7.49	-2.99	-291.05	-278.56	-15.48	58.68
		560	336.67	162.35	71.54	78.28	155.61	23.80	13.83	-107.92	-94.84	0.75	37.70
393	11	571	285.47	39.60	-26.08	-19.32	32.84	-19.96	-14.01	-105.23	-62.30	-56.94	45.53
		508	604.29	44.87	-18.23	-2.83	29.46	-27.11	-61.36	-247.29	-229.74	-78.90	54.36
		332	698.52	54.51	8.81	37.80	25.53	-22.01	-5.73	-255.92	-250.31	-11.34	37.05
		560	304.81	72.85	19.37	55.44	36.77	-25.06	18.49	-90.73	-82.87	10.63	28.23
394	1	597	309.33	172.25	-17.02	20.27	134.96	-75.28	11.23	-99.19	-10.22	-77.75	-43.68
		571	328.90	134.92	20.43	45.80	109.55	-47.55	-23.56	-102.05	-51.67	-73.94	37.63
		560	355.67	117.30	-102.13	-82.53	97.69	-62.59	137.28	54.49	68.30	123.47	30.87
		586	473.96	163.91	-65.45	-48.35	146.82	-60.24	165.39	64.01	109.75	119.66	-50.45
394	2	597	406.80	323.62	-35.67	16.83	271.13	-126.91	-7.63	-107.06	-19.47	-95.22	-32.21
		571	448.91	241.85	9.59	39.98	211.47	-78.32	-24.01	-123.59	-60.98	-86.61	48.11
		560	408.33	225.39	-127.51	-96.02	193.89	-100.61	140.03	32.75	58.17	114.60	45.62
		586	498.38	318.05	-84.30	-54.96	288.71	-104.61	137.68	68.00	99.69	106.00	-34.70
394	3	597	511.85	464.69	-63.13	-0.46	402.02	-170.74	-23.23	-105.93	-28.81	-100.34	-20.75
		571	527.48	325.52	-11.60	17.65	296.26	-94.90	-24.06	-137.68	-72.80	-88.94	56.23
		560	480.88	308.67	-157.59	-120.42	271.50	-126.30	144.78	10.69	42.60	112.87	57.10
		586	551.30	463.07	-108.33	-72.05	426.79	-139.34	115.25	72.80	86.59	101.47	-19.88
394	4	597	288.49	41.70	-38.78	40.38	-37.46	-10.21	5.19	-92.24	-11.83	-75.22	-37.00
		571	318.64	81.80	-1.16	75.96	4.67	-21.22	-14.14	-113.48	-55.16	-72.47	48.91
		560	357.48	10.54	-69.19	-61.26	2.61	-23.86	143.85	49.92	71.45	122.31	39.49
		586	394.03	-27.61	-42.76	-34.97	-35.40	-7.58	163.65	70.69	114.78	119.56	-46.42
394	5	597	282.19	41.70	-34.10	39.51	-31.91	-12.69	4.76	-90.65	-12.27	-73.62	-36.53
		571	319.52	81.11	0.63	74.59	7.15	-21.96	-13.60	-113.02	-55.72	-70.90	49.13
		560	358.73	13.08	-70.44	-62.02	4.66	-25.14	144.27	49.02	70.42	122.87	39.75
		586	389.68	-22.45	-42.39	-35.42	-29.42	-9.51	163.02	70.99	113.87	120.15	-45.91
394	6	597	278.01	40.52	-30.41	37.88	-27.77	-13.44	4.51	-89.96	-12.45	-72.99	-36.26
		571	319.21	79.19	2.58	72.55	9.22	-21.56	-13.60	-112.95	-56.11	-70.44	49.16
		560	358.19	14.54	-71.43	-63.35	6.46	-25.09	144.32	48.57	69.73	123.16	39.73
		586	387.96	-19.33	-42.29	-36.61	-25.00	-9.91	162.83	71.17	113.39	120.61	-45.69
394	7	597	280.09	41.07	-31.01	38.58	-28.52	-13.16	4.48	-90.59	-12.28	-73.83	-36.23

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		571	320.31	80.20	2.75	73.43	9.52	-21.87	-13.73	-113.32	-55.87	-71.18	49.20
		560	356.85	15.07	-70.90	-62.72	6.90	-25.22	143.68	48.49	69.99	122.17	39.81
		586	386.91	-19.94	-42.05	-36.08	-25.90	-9.81	162.28	70.83	113.58	119.53	-45.62
394	8	597	433.14	396.60	-53.82	0.05	342.73	-146.16	-21.95	-85.85	-24.99	-82.81	-13.59
		571	457.46	277.48	-9.28	15.90	252.30	-81.15	-22.05	-122.47	-68.15	-76.36	50.05
		560	386.67	262.90	-135.69	-103.80	231.02	-108.13	111.06	-1.09	27.07	82.89	48.64
		586	445.34	395.08	-93.13	-62.06	364.01	-119.18	88.66	58.02	70.24	76.44	-15.00
394	9	597	212.50	95.16	-7.71	15.76	71.68	-43.17	8.41	-68.80	-6.84	-53.55	-30.74
		571	214.74	80.43	15.76	33.88	62.31	-29.04	-13.49	-67.78	-31.89	-49.38	25.70
		560	249.89	67.35	-64.37	-52.54	55.51	-37.67	100.09	41.55	51.46	90.19	21.95
		586	317.84	88.50	-40.68	-30.67	78.48	-34.55	116.08	46.44	76.50	86.02	-34.49
394	10	597	302.91	256.71	-32.41	4.25	220.05	-96.21	-11.26	-72.01	-17.17	-66.10	-18.00
		571	324.92	184.47	-0.19	18.25	166.04	-55.35	-13.96	-87.38	-43.63	-57.71	36.03
		560	315.71	173.66	-95.18	-73.59	152.07	-73.06	104.20	17.28	37.18	84.30	36.52
		586	356.75	254.66	-64.47	-43.83	234.02	-78.49	88.33	51.22	63.64	75.91	-17.51
394	11	597	197.61	27.24	-20.41	25.55	-18.72	-8.82	4.67	-63.66	-8.08	-50.91	-26.62
		571	208.69	53.31	2.01	48.74	6.57	-14.60	-8.14	-73.65	-34.36	-47.43	32.10
		560	255.07	10.26	-47.32	-41.88	4.82	-16.83	103.98	38.29	52.25	90.02	26.87
		586	272.63	-13.06	-28.06	-24.14	-16.97	-6.58	114.63	50.44	78.53	86.54	-31.85
395	1	560	643.32	65.25	13.65	26.60	52.30	22.37	7.87	-235.99	-235.71	7.59	8.19
		332	1032.41	32.73	-4.66	25.39	2.67	14.85	-1.57	-384.78	-364.45	-21.90	85.89
		512	791.61	15.86	-2.76	7.04	6.06	9.30	-36.48	-312.38	-279.99	-68.87	88.81
		572	373.23	64.20	-2.07	13.23	48.91	27.92	-38.28	-152.34	-151.25	-39.37	11.11
395	2	560	693.08	160.42	-23.74	12.64	124.04	73.32	-27.56	-256.46	-255.56	-28.46	14.29
		332	1097.94	86.05	-45.55	1.30	39.20	63.01	-29.59	-409.42	-376.92	-62.09	106.25
		512	826.21	90.37	-13.92	29.74	46.71	51.45	-41.38	-317.49	-265.01	-93.85	108.33
		572	372.04	168.75	-21.45	30.77	116.53	84.89	-57.12	-146.75	-143.65	-60.22	16.37
395	3	560	744.74	220.68	-68.55	4.31	147.81	125.56	-45.81	-270.31	-266.82	-49.30	27.79
		332	1153.96	90.67	-124.20	-21.42	-12.11	107.33	-31.36	-416.28	-365.39	-82.26	130.39
		512	869.06	120.89	-57.73	60.32	2.85	84.56	-6.86	-308.29	-225.22	-89.93	134.68
		572	420.28	248.33	-57.69	57.78	132.86	148.33	-44.46	-139.17	-126.66	-56.97	32.08
395	4	560	624.30	55.30	-17.59	53.48	-15.77	-11.36	8.58	-214.01	-213.91	8.47	4.89
		332	919.70	70.05	50.47	68.75	51.78	-4.88	-2.43	-334.67	-319.23	-17.87	69.93
		512	682.26	45.48	5.01	5.83	44.65	5.73	-39.40	-270.43	-246.30	-63.54	70.66
		572	350.20	25.55	-22.76	11.44	-8.64	-21.97	-36.90	-141.28	-140.97	-37.20	5.63
395	5	560	620.04	53.65	-14.81	51.62	-12.78	-11.62	8.72	-213.16	-213.00	8.56	5.98
		332	918.64	68.27	50.56	66.45	52.39	-5.39	-1.97	-334.57	-318.67	-17.86	70.95
		512	683.25	46.07	4.54	5.12	45.49	4.86	-39.83	-270.98	-246.15	-64.67	71.58
		572	347.82	25.75	-21.00	10.63	-5.88	-21.87	-37.81	-140.90	-140.47	-38.24	6.61
395	6	560	621.07	53.40	-16.65	52.03	-15.27	-9.70	9.42	-212.77	-212.57	9.22	6.71
		332	917.83	66.92	43.91	66.16	44.67	-4.11	-0.64	-333.13	-316.90	-16.87	71.66
		512	679.88	39.15	5.69	6.60	38.24	5.43	-37.10	-269.27	-243.81	-62.56	72.54
		572	348.36	23.59	-20.26	12.17	-8.84	-19.24	-35.92	-140.04	-139.48	-36.47	7.60
395	7	560	618.89	53.84	-15.38	52.52	-14.06	-9.47	8.80	-212.35	-212.18	8.63	6.03
		332	911.49	67.60	47.20	66.93	47.87	-3.64	-1.46	-331.36	-315.42	-17.39	70.72
		512	674.93	42.33	5.58	6.64	41.26	6.18	-37.75	-267.32	-242.31	-62.76	71.52
		572	346.30	24.02	-19.26	12.20	-7.45	-19.28	-36.29	-139.52	-139.07	-36.74	6.83
395	8	560	608.51	187.86	-56.66	4.68	126.52	106.00	-37.62	-219.44	-216.07	-40.99	24.53
		332	908.81	76.10	-104.41	-17.12	-11.19	90.21	-23.20	-325.13	-282.75	-65.58	104.88
		512	686.32	101.15	-48.56	50.97	1.62	70.67	2.00	-237.75	-167.98	-67.78	108.90
		572	353.84	211.04	-48.19	49.15	113.71	125.53	-31.50	-112.99	-101.30	-43.19	28.56
395	9	560	442.28	36.41	11.88	20.48	27.81	11.70	4.91	-161.91	-161.78	4.78	4.62
		332	719.51	25.56	4.36	21.49	8.44	8.36	-2.61	-268.37	-254.48	-16.50	59.15
		512	550.98	14.06	0.20	4.78	9.49	6.52	-28.60	-218.39	-196.47	-50.52	60.66
		572	250.31	34.01	1.47	8.72	26.76	13.54	-28.73	-104.27	-103.77	-29.23	6.14
395	10	560	487.63	122.52	-33.54	8.10	80.87	69.03	-25.26	-180.63	-179.07	-26.82	15.51
		332	775.57	57.63	-61.93	-4.52	0.22	59.74	-20.09	-284.95	-255.00	-50.03	83.87
		512	583.51	71.18	-29.10	34.38	7.70	48.33	-13.55	-214.71	-166.04	-62.22	86.15
		572	263.02	136.31	-29.44	33.47	73.40	80.43	-33.43	-95.69	-90.11	-39.01	17.79
395	11	560	432.14	35.44	-10.56	34.61	-9.73	-6.12	5.78	-149.02	-148.92	5.69	3.80
		332	655.94	44.51	31.40	44.14	31.77	-2.18	-2.09	-239.68	-228.06	-13.71	51.24
		512	488.96	28.17	3.73	4.53	27.36	4.37	-28.93	-194.45	-176.37	-47.01	51.63
		572	239.96	15.74	-12.94	8.13	-5.32	-12.67	-27.37	-97.48	-97.23	-27.62	4.19
396	1	586	203.71	145.25	-5.16	-2.60	142.68	-19.47	58.36	42.95	53.06	48.24	-7.32
		560	276.03	57.39	-5.61	-5.32	57.10	-4.26	109.92	36.42	75.29	71.04	-36.69
		572	258.79	66.65	26.29	27.41	65.53	6.61	-21.65	-92.46	-23.19	-90.91	10.34
		598	406.95	143.36	33.21	42.32	134.25	-30.34	-27.20	-131.94	-45.42	-113.71	39.71
396	2	586	231.58	269.00	8.78	16.58	261.19	-44.38	49.07	29.69	43.94	34.82	8.56
		560	255.73	149.56	2.80	7.40	144.96	-25.58	82.42	38.76	64.54	56.63	-21.47
		572	363.78	158.24	26.88	27.55	157.57	-9.36	-25.89	-111.90	-33.66	-104.13	24.66
		598	546.62	265.05	25.58	42.05	248.58	-60.61	-24.72	-155.48	-54.26	-125.94	54.68
396	3	586	305.46	368.82	26.84	35.69	359.96	-54.30	56.50	14.09	31.95	38.64	20.94

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		560	258.77	198.49	12.34	17.07	193.77	-29.28	64.90	46.16	52.22	58.84	-8.77
		572	371.37	213.07	21.42	21.53	212.96	-4.61	-24.30	-107.22	-43.21	-88.31	34.79
		598	596.39	360.05	17.22	36.50	340.77	-78.98	-17.68	-154.31	-63.48	-108.51	64.50
396	4	586	164.84	-18.29	-56.91	-41.58	-33.62	18.89	56.91	39.63	54.71	41.83	-5.75
		560	267.88	4.23	-38.46	-28.35	-5.87	18.15	103.70	35.00	77.48	61.22	-33.37
		572	233.38	19.86	-15.33	15.73	-11.21	11.32	-15.86	-89.24	-16.75	-88.35	8.03
		598	334.86	34.39	-38.84	23.83	-28.28	25.72	-24.29	-122.98	-39.52	-107.74	35.65
396	5	586	161.09	-15.26	-52.40	-40.05	-27.62	17.50	55.90	40.79	53.90	42.80	-5.13
		560	264.12	5.26	-36.59	-27.43	-3.90	17.31	103.02	36.18	76.72	62.48	-32.65
		572	230.96	20.36	-12.99	16.11	-8.74	11.12	-16.25	-88.99	-17.41	-87.84	9.09
		598	332.50	34.26	-32.61	24.42	-22.77	23.69	-24.15	-123.60	-40.23	-107.52	36.62
396	6	586	160.93	-13.08	-51.97	-39.41	-25.64	18.18	55.73	41.81	53.47	44.06	-5.13
		560	265.05	5.42	-37.63	-27.30	-4.90	18.38	103.21	36.82	76.37	63.66	-32.58
		572	225.46	20.85	-14.69	15.53	-9.36	12.68	-16.35	-86.67	-17.52	-85.51	8.98
		598	326.23	34.21	-31.48	23.92	-21.18	23.88	-24.04	-121.48	-40.42	-105.10	36.43
396	7	586	160.57	-13.86	-52.27	-39.81	-26.31	17.98	55.74	40.77	53.65	42.86	-5.18
		560	263.93	5.97	-37.02	-27.41	-3.63	17.91	102.76	36.10	76.54	62.31	-32.56
		572	226.82	20.56	-13.24	15.66	-8.33	11.90	-16.04	-87.41	-17.13	-86.31	8.77
		598	327.30	34.25	-31.91	23.95	-21.61	23.99	-24.03	-121.76	-40.02	-105.77	36.15
396	8	586	256.80	315.03	22.51	30.06	307.48	-46.40	44.67	9.41	23.49	30.59	17.27
		560	210.83	168.95	10.31	14.31	164.95	-24.87	50.52	35.97	40.08	46.41	-6.55
		572	293.82	181.46	18.99	19.07	181.37	-3.77	-20.05	-83.37	-36.54	-66.88	27.79
		598	480.50	307.60	15.60	32.14	291.06	-67.50	-14.23	-121.59	-53.13	-82.69	51.60
396	9	586	127.08	77.14	-6.89	-5.94	76.20	-8.87	40.48	30.46	37.93	33.01	-4.37
		560	185.22	31.86	-6.02	-6.02	31.85	-0.54	75.96	26.35	53.52	48.79	-24.69
		572	181.13	37.05	15.74	16.85	35.94	4.73	-13.65	-66.60	-14.85	-65.41	7.87
		598	274.10	76.10	21.98	25.97	72.11	-14.15	-17.88	-93.75	-30.44	-81.19	28.20
396	10	586	180.09	201.19	11.04	15.33	196.91	-28.22	38.30	15.58	26.21	27.67	11.33
		560	171.14	109.80	4.40	6.42	107.78	-14.44	50.57	32.15	40.71	42.01	-9.18
		572	242.59	117.87	13.56	13.58	117.85	-1.50	-16.31	-73.62	-25.97	-63.96	21.45
		598	378.83	196.59	12.99	22.74	186.84	-41.17	-13.35	-105.42	-40.47	-78.30	41.97
396	11	586	112.38	-8.98	-34.73	-26.39	-17.32	12.05	39.31	29.54	38.16	30.69	-3.15
		560	184.31	3.94	-24.76	-18.23	-2.59	12.04	72.31	26.50	54.12	44.69	-22.41
		572	164.90	13.65	-9.07	10.25	-5.67	8.11	-10.72	-63.38	-11.70	-62.40	7.12
		598	235.94	22.66	-21.16	15.75	-14.24	15.98	-16.12	-87.95	-27.66	-76.41	26.38
397	1	572	417.75	78.29	15.32	23.91	69.69	21.62	-19.22	-162.84	-99.14	-82.92	71.35
		512	1027.71	43.59	-30.43	34.50	-21.34	-24.29	-90.04	-409.06	-375.80	-123.30	97.49
		338	1162.30	76.96	-33.32	76.57	-32.92	-6.60	6.88	-409.30	-397.38	-5.04	69.41
		561	455.84	103.37	80.58	102.67	81.28	3.92	46.54	-131.91	-120.72	35.35	43.27
397	2	572	491.35	160.73	4.56	55.80	109.48	73.32	-23.37	-178.41	-96.67	-105.11	77.40
		512	986.04	78.67	5.88	66.15	18.39	27.47	-107.78	-404.82	-356.63	-155.97	109.51
		338	1047.86	124.87	-10.38	107.63	6.86	45.11	-13.42	-381.02	-364.34	-30.10	76.51
		561	390.77	183.29	71.22	133.50	121.02	55.69	34.92	-118.54	-104.38	20.76	44.40
397	3	572	591.86	212.21	-18.18	103.26	90.77	115.03	-1.78	-187.33	-84.82	-104.30	92.26
		512	937.75	127.32	-52.53	108.06	-33.28	55.61	-86.72	-381.54	-311.11	-157.15	125.71
		338	950.08	168.76	-74.60	141.18	-47.02	77.14	-6.20	-336.80	-308.38	-34.62	92.68
		561	428.81	234.21	37.11	166.82	104.51	93.50	45.69	-109.53	-82.08	18.24	59.23
397	4	572	393.38	38.07	-34.81	-26.65	29.91	-22.98	-25.25	-150.82	-94.83	-81.24	62.42
		512	849.92	47.10	-26.92	-1.22	21.40	-35.24	-88.58	-348.41	-327.96	-109.03	69.97
		338	1012.18	76.14	3.16	64.15	15.15	-27.04	-11.50	-368.53	-362.08	-17.94	47.54
		561	462.25	105.78	22.20	91.81	36.16	-31.18	20.55	-139.65	-128.95	9.85	39.98
397	5	572	397.07	40.98	-32.88	-25.65	33.75	-21.95	-24.62	-151.79	-94.02	-82.39	63.32
		512	851.96	48.59	-24.76	-0.58	24.41	-34.48	-89.49	-349.48	-328.40	-110.58	70.98
		338	1011.66	75.95	6.23	64.04	18.15	-26.24	-12.98	-369.44	-362.79	-19.64	48.25
		561	458.94	105.41	26.07	91.47	40.01	-30.19	19.68	-139.54	-128.41	8.55	40.59
397	6	572	396.98	36.47	-30.56	-23.05	28.97	-21.14	-22.46	-151.41	-93.14	-80.72	64.18
		512	850.88	44.65	-27.10	1.45	16.10	-35.12	-86.87	-347.36	-325.87	-108.36	71.67
		338	1011.50	75.79	-0.98	65.21	9.60	-26.46	-10.99	-367.15	-360.19	-17.95	49.29
		561	462.56	105.35	22.76	92.64	35.47	-29.80	21.43	-139.20	-127.46	9.69	41.80
397	7	572	393.36	37.36	-31.01	-23.82	30.17	-20.97	-23.83	-150.62	-93.34	-81.10	63.10
		512	841.58	45.43	-25.46	1.01	18.96	-34.29	-87.36	-344.33	-323.41	-108.28	70.27
		338	1001.40	75.85	2.03	65.32	12.56	-25.81	-11.93	-364.20	-357.47	-18.66	48.22
		561	458.93	105.41	23.97	92.81	36.57	-29.45	19.95	-138.83	-127.40	8.51	41.05
397	8	572	481.60	180.19	-13.09	87.83	79.27	96.55	-5.83	-154.54	-72.98	-87.40	74.00
		512	705.57	107.43	-42.65	92.11	-27.33	45.43	-65.26	-286.39	-231.31	-120.34	95.63
		338	718.81	143.40	-61.60	120.98	-39.18	63.98	-10.98	-256.95	-231.49	-36.44	74.93
		561	361.61	199.37	34.91	143.17	91.12	78.00	25.34	-102.00	-73.15	-3.50	53.30
397	9	572	283.14	45.28	7.42	10.42	42.28	10.22	-11.43	-110.63	-65.43	-56.63	49.40
		512	717.92	26.80	-16.70	19.15	-9.05	-16.56	-65.26	-287.96	-264.52	-88.70	68.34
		338	811.66	50.31	-16.67	49.80	-16.16	-5.84	5.97	-286.73	-279.26	-1.51	46.17
		561	312.71	67.38	49.38	67.36	49.39	-0.49	36.90	-86.49	-80.16	30.56	27.23
397	10	572	378.21	116.36	-7.87	54.50	53.99	62.12	-1.72	-124.26	-57.47	-68.51	61.02

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		512	667.45	69.15	-24.81	60.02	-15.68	27.83	-64.49	-271.60	-228.59	-107.51	84.02
		338	692.52	99.14	-37.43	85.70	-23.99	40.68	-2.57	-245.18	-229.81	-17.94	59.09
		561	275.39	135.96	29.34	103.00	62.30	49.27	34.96	-72.60	-58.69	21.05	36.09
397	11	572	275.30	24.24	-20.26	-15.67	19.65	-13.53	-13.22	-104.29	-62.09	-55.41	45.42
		512	619.83	29.50	-16.96	0.78	11.76	-22.57	-63.57	-253.62	-236.79	-80.40	53.99
		338	727.84	50.16	0.79	43.49	7.47	-16.88	-3.87	-263.40	-258.60	-8.68	34.99
		561	314.70	69.84	15.89	61.79	23.94	-19.22	22.84	-90.44	-83.90	16.31	26.41
398	1	598	258.96	86.46	-6.99	4.67	74.80	-30.89	6.40	-88.96	-14.54	-68.02	-39.47
		572	307.10	90.12	13.42	23.50	80.04	-25.91	-14.61	-102.99	-52.09	-65.51	43.68
		561	399.37	82.69	-66.67	-59.82	75.84	-31.24	157.18	57.15	71.67	142.66	35.24
		587	449.25	84.20	-46.44	-41.23	78.99	-25.56	175.03	74.34	109.23	140.15	-47.91
398	2	598	292.37	152.72	-21.00	-13.99	145.71	-34.19	-9.40	-87.43	-21.18	-75.65	-27.93
		572	393.64	155.03	-10.21	-3.91	148.72	-31.65	-7.90	-123.87	-60.39	-51.38	57.72
		561	463.48	152.43	-54.31	-48.40	146.51	-34.46	167.17	42.67	67.78	142.06	49.96
		587	451.72	153.06	-43.64	-38.50	147.92	-31.39	161.26	83.52	106.99	137.79	-35.69
398	3	598	254.75	178.94	-47.53	-45.75	177.17	-19.98	-20.28	-64.98	-29.06	-56.19	-17.76
		572	404.65	172.76	-49.67	-48.29	171.38	-17.49	8.66	-131.04	-70.96	-51.42	69.17
		561	560.38	172.55	-41.24	-39.73	171.04	-17.93	191.07	30.49	59.18	162.37	61.52
		587	487.72	179.24	-42.63	-40.89	177.51	-19.54	167.34	91.34	101.08	157.59	-25.41
398	4	598	288.40	37.77	-41.85	37.29	-41.37	-6.15	7.64	-91.62	-10.63	-73.35	-38.46
		572	301.92	75.13	-4.36	71.61	-0.84	-16.35	-15.43	-110.50	-52.79	-73.14	46.44
		561	351.36	2.44	-69.51	-64.09	-2.98	-18.99	142.91	55.99	73.78	125.12	35.07
		587	414.69	-35.24	-42.34	-38.35	-39.23	-3.52	170.45	70.40	115.94	124.91	-49.83
398	5	598	283.13	37.34	-37.94	36.64	-37.24	-7.23	6.31	-90.90	-11.29	-73.29	-37.44
		572	308.35	74.79	-1.19	70.53	3.07	-17.48	-14.71	-111.93	-53.50	-73.15	47.61
		561	352.50	6.74	-69.00	-63.28	1.02	-20.02	143.62	54.65	73.23	125.04	36.16
		587	409.73	-31.67	-41.46	-37.95	-35.18	-4.69	169.28	71.05	115.43	124.90	-48.89
398	6	598	277.01	35.10	-39.27	34.67	-38.85	-5.58	6.54	-88.95	-11.50	-70.91	-37.38
		572	303.92	71.36	-2.80	67.91	0.66	-15.62	-14.04	-110.73	-53.84	-70.93	47.58
		561	355.04	3.54	-68.26	-63.35	-1.36	-18.12	145.01	54.76	72.74	127.04	36.04
		587	413.81	-34.46	-40.86	-38.49	-36.83	-3.09	170.35	71.78	115.08	127.06	-48.92
398	7	598	279.50	35.85	-38.81	35.36	-38.32	-6.00	6.60	-89.68	-11.19	-71.89	-37.37
		572	304.75	72.48	-2.24	68.85	1.39	-16.07	-14.45	-111.07	-53.60	-71.92	47.43
		561	351.94	4.44	-68.53	-63.43	-0.66	-18.60	143.56	54.57	72.76	125.37	35.89
		587	411.36	-33.69	-40.95	-38.37	-36.27	-3.48	169.47	71.10	115.17	125.40	-48.92
398	8	598	206.49	153.85	-39.85	-38.10	152.10	-18.32	-20.43	-50.07	-25.24	-45.26	-10.93
		572	356.51	148.04	-41.13	-39.82	146.73	-15.72	6.82	-117.52	-66.53	-44.17	61.16
		561	453.46	147.70	-36.25	-34.78	146.24	-16.36	150.16	15.64	41.11	124.70	52.70
		587	389.89	154.24	-36.84	-35.19	152.59	-17.68	131.29	74.71	82.40	123.60	-19.39
398	9	598	179.74	45.19	-1.47	6.54	37.18	-17.59	6.02	-63.16	-9.09	-48.05	-28.59
		572	201.15	53.12	12.64	20.78	44.99	-16.22	-8.91	-67.97	-31.86	-45.02	28.79
		561	274.65	46.81	-44.52	-40.20	42.50	-19.37	111.07	43.83	53.68	101.21	23.78
		587	305.92	42.66	-30.15	-27.16	39.67	-14.44	122.63	52.01	76.45	98.19	-33.59
398	10	598	171.88	95.19	-22.61	-21.47	94.05	-11.53	-8.80	-49.83	-17.16	-41.47	-16.52
		572	255.13	96.88	-20.25	-19.10	95.73	-11.54	3.26	-82.79	-42.35	-37.19	42.95
		561	362.15	96.53	-30.18	-29.04	95.38	-11.98	129.88	29.03	46.74	112.16	38.38
		587	323.03	95.40	-27.98	-26.97	94.40	-11.10	117.62	62.19	71.93	107.88	-21.09
398	11	598	197.19	23.47	-26.21	23.21	-25.96	-3.54	6.09	-63.14	-7.40	-49.65	-27.42
		572	198.36	47.81	-1.47	45.45	0.88	-10.51	-8.56	-72.31	-32.83	-48.03	30.96
		561	253.05	2.85	-45.41	-42.16	-0.40	-12.08	104.27	42.54	54.27	92.53	24.23
		587	290.66	-23.14	-27.18	-25.64	-24.68	-1.96	119.92	50.70	79.71	90.91	-34.15
399	1	561	650.03	65.26	3.85	64.51	4.60	6.74	20.36	-217.82	-216.96	19.50	14.29
		338	1114.73	70.02	-17.18	69.98	-17.14	1.89	7.49	-396.22	-377.98	-10.75	83.86
		516	886.95	23.04	-16.81	23.02	-16.80	0.81	-40.72	-344.97	-318.09	-67.60	86.34
		573	404.66	33.86	2.19	31.79	4.26	7.82	-35.05	-159.38	-157.08	-37.35	16.78
399	2	561	600.51	120.88	9.62	103.06	27.44	40.81	9.75	-200.07	-198.33	8.01	19.01
		338	995.07	120.21	-9.53	110.14	0.54	34.71	-2.34	-354.70	-333.27	-23.77	84.22
		516	759.63	66.98	-16.02	50.05	0.91	33.44	-36.90	-297.66	-269.12	-65.44	81.41
		573	358.11	89.55	-1.27	61.21	27.08	42.08	-31.11	-136.73	-134.18	-33.66	16.20
399	3	561	571.18	160.75	-10.33	146.24	4.19	47.67	28.17	-169.57	-162.56	21.16	36.56
		338	906.22	163.63	-46.52	156.46	-39.35	38.14	18.14	-298.88	-270.85	-9.90	90.01
		516	667.30	78.20	-49.52	67.21	-38.54	35.81	-15.18	-249.48	-215.83	-48.83	82.17
		573	329.50	107.93	-20.54	84.02	3.37	50.00	-9.37	-115.95	-107.54	-17.77	28.72
399	4	561	649.06	63.35	-33.97	61.10	-31.71	-14.63	19.00	-213.31	-213.26	18.95	3.40
		338	986.33	74.21	-10.44	71.87	-8.10	-13.87	9.77	-344.99	-332.87	-2.35	64.43
		516	760.23	16.56	-14.42	13.66	-11.52	-9.03	-23.14	-290.22	-269.73	-43.63	71.09
		573	401.71	28.05	-35.04	21.32	-28.30	-19.48	-21.54	-150.90	-150.12	-22.33	10.06
399	5	561	643.66	63.06	-30.30	61.04	-28.29	-13.56	17.58	-212.61	-212.54	17.51	3.96
		338	985.86	73.97	-4.36	71.93	-2.33	-12.46	8.07	-346.56	-334.21	-4.28	65.01
		516	761.46	16.59	-8.30	14.19	-5.90	-7.35	-25.82	-292.54	-271.89	-46.47	71.28
		573	398.66	28.22	-31.30	21.62	-24.71	-18.68	-23.85	-151.05	-150.22	-24.68	10.24
399	6	561	645.18	64.79	-35.03	62.49	-32.73	-14.99	19.89	-210.74	-210.62	19.77	5.25

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		338	987.68	75.82	-11.35	73.43	-8.96	-14.25	10.74	-344.47	-331.91	-1.81	65.58
		516	763.85	17.16	-15.37	14.21	-12.41	-9.35	-23.73	-291.58	-270.70	-44.62	71.83
		573	401.10	28.83	-36.09	22.02	-29.28	-19.89	-21.99	-150.44	-149.40	-23.03	11.50
399	7	561	642.42	64.63	-33.77	62.54	-31.68	-14.19	19.45	-210.15	-210.07	19.36	4.45
		338	976.85	75.60	-10.34	73.43	-8.18	-13.48	10.39	-340.79	-328.53	-1.87	64.44
		516	752.76	16.99	-14.20	14.39	-11.60	-8.62	-23.03	-287.27	-266.73	-43.57	70.75
		573	397.92	28.58	-34.64	22.19	-28.25	-19.05	-21.42	-149.18	-148.27	-22.34	10.76
399	8	561	457.38	137.09	-6.20	124.91	5.97	39.95	25.00	-133.74	-126.97	18.24	32.07
		338	691.12	140.05	-35.74	134.05	-29.74	31.93	17.75	-223.55	-200.59	-5.20	70.79
		516	499.55	65.57	-38.82	55.96	-29.21	30.18	-7.07	-184.76	-157.64	-34.19	63.90
		573	265.34	90.86	-14.91	70.51	5.44	41.69	-2.93	-91.84	-84.02	-10.75	25.17
399	9	561	451.84	43.06	-1.48	42.91	-1.33	2.58	13.23	-151.64	-151.28	12.87	7.72
		338	775.50	47.05	-10.95	47.05	-10.95	-0.03	4.08	-276.48	-264.35	-8.04	57.05
		516	615.92	15.07	-11.11	15.07	-11.11	-0.13	-28.86	-239.89	-221.67	-47.07	59.26
		573	278.77	21.04	-1.50	20.71	-1.17	2.69	-24.98	-109.78	-108.60	-26.16	9.93
399	10	561	406.94	94.96	-8.20	88.32	-1.56	25.32	16.73	-123.99	-121.06	13.79	20.10
		338	659.09	98.41	-26.62	95.09	-23.29	20.11	9.49	-221.90	-204.84	-7.56	60.47
		516	493.52	45.08	-28.66	39.62	-23.19	19.32	-15.01	-186.50	-164.86	-36.64	56.94
		573	236.68	60.67	-12.60	49.73	-1.66	26.12	-11.35	-85.02	-81.08	-15.29	16.57
399	11	561	449.27	43.17	-23.45	41.79	-22.07	-9.49	13.07	-147.80	-147.76	13.03	2.70
		338	704.93	50.39	-7.83	48.96	-6.41	-8.99	5.91	-247.75	-238.76	-3.07	46.90
		516	547.44	11.80	-10.30	10.17	-8.68	-5.77	-19.41	-210.24	-195.34	-34.31	51.20
		573	276.50	19.40	-23.92	15.28	-19.80	-12.71	-17.64	-104.90	-104.34	-18.21	7.00
400	1	587	179.97	52.64	-19.50	-18.39	51.53	8.88	65.76	51.55	53.34	63.97	-4.71
		561	278.88	23.26	-22.22	-15.13	16.18	16.49	115.22	44.33	73.92	85.63	-34.96
		573	200.97	38.00	-1.57	17.78	18.64	19.78	-23.49	-82.47	-25.67	-80.28	11.14
		556	322.16	50.47	26.87	28.27	49.06	5.59	-24.22	-123.98	-46.25	-101.95	41.39
400	2	587	185.01	76.69	-18.66	-17.49	75.52	10.50	61.18	48.08	49.34	59.91	3.87
		561	239.15	63.03	-15.80	-12.89	60.11	14.88	97.85	48.72	69.42	77.15	-24.26
		573	211.44	65.36	10.99	15.82	60.53	15.47	-19.10	-75.89	-23.17	-71.82	14.66
		556	311.21	76.95	21.88	23.72	75.11	9.91	-17.62	-114.69	-43.25	-89.06	42.79
400	3	587	236.42	65.26	-28.45	-19.03	55.84	28.17	84.07	39.28	41.77	81.59	10.25
		561	254.65	62.91	-26.44	-14.19	50.66	30.73	102.08	57.31	62.82	96.57	-14.70
		573	137.68	66.28	-5.81	10.35	50.11	30.07	-9.00	-50.58	-21.87	-37.71	19.22
		556	258.78	71.50	1.35	16.46	56.39	28.83	-3.37	-92.25	-42.92	-52.69	44.17
400	4	587	184.23	-16.73	-60.06	-41.12	-35.67	21.49	64.36	42.81	56.80	50.37	-10.29
		561	301.80	-3.46	-50.46	-29.28	-24.65	23.39	113.96	34.26	79.41	68.81	-39.50
		573	206.28	25.26	-34.84	18.51	-28.09	18.98	-17.81	-75.40	-17.83	-75.37	1.27
		556	294.44	38.21	-41.75	28.69	-32.22	25.90	-26.62	-107.64	-40.44	-93.81	30.48
400	5	587	179.65	-15.45	-57.44	-40.56	-32.34	20.59	62.80	43.46	56.27	49.98	-9.14
		561	295.46	-2.13	-47.62	-28.76	-20.99	22.41	112.28	34.90	78.71	68.46	-38.35
		573	207.17	25.15	-30.97	18.64	-24.45	17.97	-18.36	-76.70	-18.47	-76.59	2.50
		556	297.83	38.06	-38.23	28.70	-28.87	25.03	-26.30	-109.69	-40.91	-95.07	31.71
400	6	587	183.68	-15.79	-60.61	-40.67	-35.74	22.27	63.66	44.79	55.90	52.54	-9.28
		561	299.63	-2.90	-51.49	-29.03	-25.37	24.22	113.32	36.25	78.46	71.11	-38.36
		573	202.72	25.51	-36.05	18.17	-28.72	19.94	-18.38	-73.83	-18.49	-73.71	2.53
		556	294.62	38.25	-42.38	28.27	-32.39	26.55	-25.99	-107.35	-41.05	-92.28	31.60
400	7	587	182.62	-15.79	-59.94	-40.76	-34.98	21.89	63.50	43.78	56.00	51.28	-9.57
		561	298.52	-2.66	-50.46	-29.03	-24.09	23.77	112.92	35.40	78.66	69.65	-38.50
		573	202.13	25.42	-34.62	18.30	-27.50	19.41	-17.81	-73.82	-17.88	-73.75	2.02
		556	292.07	38.26	-41.44	28.39	-31.57	26.25	-26.05	-106.61	-40.55	-92.12	30.94
400	8	587	196.26	56.94	-23.78	-16.38	49.54	23.30	68.42	29.73	31.70	66.45	8.50
		561	206.84	54.65	-21.92	-12.12	44.84	25.58	81.63	45.16	48.95	77.84	-11.13
		573	105.68	57.44	-3.53	9.53	44.38	25.01	-6.11	-36.74	-18.18	-24.68	14.97
		556	202.18	62.09	2.84	14.92	50.01	23.87	-1.15	-70.34	-35.43	-36.06	34.59
400	9	587	116.60	25.79	-16.26	-14.86	24.39	7.52	44.85	36.45	38.42	42.88	-3.56
		561	196.70	12.21	-17.66	-11.72	6.27	11.92	80.23	30.73	53.06	57.90	-24.63
		573	143.68	22.92	-3.90	11.79	7.23	13.22	-15.17	-59.08	-16.43	-57.81	7.34
		556	220.22	27.73	14.41	18.70	23.44	6.23	-16.69	-87.20	-31.07	-72.83	28.41
400	10	587	143.75	33.61	-22.03	-15.22	26.79	18.24	53.71	30.95	31.99	52.67	4.75
		561	168.70	34.11	-19.88	-11.20	25.43	19.83	71.30	39.57	46.90	63.97	-13.38
		573	100.23	36.95	-4.57	7.66	24.71	18.93	-8.80	-39.68	-14.31	-34.16	11.83
		556	184.46	40.45	-0.80	12.14	27.51	19.14	-6.30	-68.38	-29.22	-45.46	29.96
400	11	587	127.68	-10.61	-40.71	-27.24	-24.09	14.97	44.51	31.87	39.85	36.53	-6.10
		561	208.46	-1.86	-34.39	-19.44	-16.81	16.21	79.38	26.03	55.59	49.82	-26.52
		573	148.70	16.92	-24.00	12.00	-19.08	13.31	-12.28	-54.32	-12.44	-54.16	2.55
		556	213.56	25.46	-28.57	18.70	-21.82	17.87	-17.60	-78.04	-28.18	-67.46	22.97
401	1	573	470.31	56.18	6.77	16.93	46.02	-19.97	-8.15	-170.19	-110.30	-68.04	78.21
		516	1139.48	58.91	-59.89	23.74	-24.72	-54.23	-67.29	-438.78	-401.74	-104.33	111.31
		344	1275.42	69.93	-49.56	53.39	-33.02	-41.27	42.26	-432.67	-415.03	24.62	89.82
		562	544.06	97.06	28.93	71.68	54.31	-32.94	76.96	-139.64	-123.59	60.91	56.73
401	2	573	432.88	52.83	29.65	31.81	50.67	-6.74	-0.42	-155.29	-92.46	-63.24	76.05

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		516	967.93	59.23	-36.16	38.84	-15.77	-39.11	-60.56	-371.84	-338.41	-93.99	96.37
		344	1099.21	75.55	-30.91	68.32	-23.68	-26.77	32.61	-371.86	-356.87	17.62	76.41
		562	493.57	95.90	48.83	86.14	58.59	-19.08	66.13	-128.69	-110.92	48.36	56.09
401	3	573	459.34	57.66	12.47	42.55	27.57	-21.32	32.42	-141.54	-63.73	-45.38	86.49
		516	850.08	71.93	-63.81	46.80	-38.68	-52.73	-36.56	-310.99	-278.52	-69.03	88.63
		344	991.82	82.22	-59.20	69.02	-46.00	-41.14	29.07	-328.12	-314.02	14.96	69.56
		562	506.71	100.46	18.38	83.95	34.90	-32.91	66.11	-126.72	-99.23	38.62	67.42
401	4	573	440.35	49.10	-42.76	-10.99	17.33	-43.70	-16.73	-159.40	-115.99	-60.15	65.65
		516	939.22	60.50	-86.95	5.53	-31.97	-71.30	-50.45	-357.06	-333.75	-73.76	81.26
		344	1097.31	84.86	-68.21	56.84	-40.19	-59.19	33.44	-366.22	-352.23	19.45	73.47
		562	561.29	116.10	-8.85	81.70	25.55	-55.81	51.10	-152.50	-134.47	33.06	57.86
401	5	573	440.60	49.95	-39.88	-10.91	20.98	-41.99	-17.43	-160.19	-115.64	-61.98	66.14
		516	943.14	60.30	-81.49	5.73	-26.92	-68.99	-52.76	-360.25	-336.50	-76.50	82.08
		344	1100.83	84.38	-62.30	57.10	-35.02	-57.07	32.27	-369.20	-355.20	18.27	73.64
		562	557.89	115.49	-4.55	81.87	29.08	-53.90	50.78	-152.33	-134.34	32.79	57.71
401	6	573	445.25	49.91	-42.89	-10.44	17.46	-44.25	-14.64	-159.81	-114.24	-60.21	67.37
		516	947.05	61.12	-87.34	5.74	-31.95	-71.80	-50.49	-359.78	-335.81	-74.46	82.70
		344	1106.68	84.77	-68.71	56.18	-40.11	-59.76	33.51	-369.78	-355.61	19.34	74.26
		562	563.81	115.83	-9.50	80.71	25.62	-56.29	52.23	-152.68	-134.04	33.59	58.93
401	7	573	439.54	49.45	-42.24	-10.40	17.61	-43.66	-15.61	-158.39	-114.03	-59.97	66.07
		516	931.02	60.77	-86.38	5.94	-31.55	-71.14	-49.86	-353.66	-330.43	-73.09	80.74
		344	1089.79	84.81	-67.77	56.76	-39.72	-59.10	32.76	-363.87	-349.93	18.83	73.03
		562	558.96	115.86	-8.66	81.42	25.78	-55.70	50.47	-152.05	-133.54	31.96	58.36
401	8	573	368.56	49.20	12.72	35.02	26.90	-17.78	23.16	-114.88	-53.24	-38.48	68.62
		516	622.17	61.15	-49.74	39.37	-27.96	-44.06	-25.13	-224.61	-202.23	-47.51	62.95
		344	743.02	71.10	-45.34	59.96	-34.20	-34.24	14.81	-247.32	-236.07	3.56	53.14
		562	417.64	87.26	19.07	73.18	33.14	-27.59	39.84	-114.33	-87.08	12.59	58.81
401	9	573	322.66	36.33	-0.64	8.69	27.00	-16.06	-4.65	-115.96	-75.11	-45.50	53.65
		516	793.91	39.53	-43.76	14.11	-18.34	-38.35	-47.18	-306.14	-280.24	-73.08	77.69
		344	888.09	48.18	-36.17	35.89	-23.87	-29.77	32.16	-299.75	-287.95	20.36	61.46
		562	377.93	66.55	14.67	48.70	32.53	-24.65	57.89	-92.76	-82.82	47.94	37.41
401	10	573	316.20	36.93	2.75	22.92	16.75	-16.81	17.74	-99.90	-49.25	-32.91	58.25
		516	632.94	46.35	-45.52	26.92	-26.09	-37.52	-30.14	-235.12	-211.79	-53.47	65.10
		344	730.52	54.83	-41.35	44.57	-31.09	-29.70	24.81	-241.65	-231.83	14.99	50.20
		562	354.59	68.49	8.77	55.51	21.75	-24.63	51.16	-84.89	-69.28	35.56	43.35
401	11	573	308.82	33.15	-28.53	-6.52	11.13	-29.55	-8.28	-110.17	-77.31	-41.15	47.63
		516	686.86	40.78	-59.02	4.11	-22.36	-48.11	-37.92	-262.19	-243.62	-56.49	61.80
		344	794.32	56.46	-46.84	37.43	-27.81	-40.04	27.30	-264.82	-254.94	17.42	52.81
		562	387.14	77.10	-6.80	53.72	16.59	-37.62	44.02	-99.88	-88.62	32.76	38.63
402	1	556	242.24	27.68	-5.86	21.34	0.49	-13.14	10.41	-79.76	-18.60	-50.75	-42.12
		573	242.85	57.43	15.24	45.43	27.24	-19.04	-6.83	-82.19	-44.70	-44.32	37.68
		562	429.20	30.78	-58.45	-53.04	25.37	-21.30	178.87	64.09	74.39	168.57	32.81
		588	441.31	5.34	-37.28	-34.30	2.36	-10.87	187.52	75.11	100.49	162.15	-46.99
402	2	556	209.58	29.36	1.67	23.87	7.15	-11.03	8.83	-69.92	-17.60	-43.49	-37.19
		573	258.74	63.34	23.65	48.86	38.13	-19.11	0.73	-83.82	-44.16	-38.93	42.20
		562	425.26	41.37	-56.25	-51.62	36.74	-20.74	174.82	61.77	74.02	162.58	35.13
		588	429.17	10.57	-35.03	-33.01	8.55	-9.40	182.05	76.54	100.57	158.01	-44.25
402	3	556	153.32	26.87	-29.55	26.87	-29.55	0.20	11.61	-49.13	-19.71	-17.81	-30.36
		573	284.15	56.18	5.90	53.28	8.80	-11.73	20.79	-84.24	-47.35	-16.11	50.14
		562	441.83	10.74	-52.49	-50.03	8.28	-12.22	185.50	57.59	71.45	171.64	39.75
		588	453.43	-28.87	-31.94	-31.78	-29.03	0.69	188.51	80.52	99.08	169.94	-40.75
402	4	556	272.47	37.85	-44.06	36.46	-42.66	-10.59	14.02	-82.67	-14.41	-54.25	-44.05
		573	234.99	70.38	-17.61	68.28	-15.51	-13.43	-12.85	-83.26	-47.88	-48.24	35.20
		562	393.76	-13.09	-72.25	-65.96	-19.38	-18.23	160.63	60.20	70.15	150.67	30.01
		588	430.28	-33.19	-44.77	-39.15	-38.80	-5.79	177.48	70.80	103.63	144.66	-49.24
402	5	556	270.43	38.33	-41.63	36.74	-40.04	-11.16	12.85	-82.72	-14.80	-55.07	-43.34
		573	240.57	71.21	-14.45	68.66	-11.90	-14.55	-12.51	-84.87	-48.12	-49.25	36.18
		562	393.60	-9.11	-72.05	-65.53	-15.62	-19.17	161.04	59.92	70.36	150.60	30.76
		588	427.88	-30.93	-44.26	-38.87	-36.32	-6.54	177.14	71.32	103.67	144.79	-48.75
402	6	556	266.68	37.73	-45.53	36.51	-44.31	-9.98	13.29	-81.03	-15.04	-52.70	-43.24
		573	239.38	70.50	-18.10	68.39	-15.99	-13.51	-11.34	-84.07	-48.35	-47.06	36.36
		562	398.87	-13.40	-71.78	-65.51	-19.67	-18.07	162.69	59.92	70.17	152.44	30.79
		588	433.60	-34.30	-45.28	-38.94	-40.63	-5.43	178.54	71.74	103.49	146.79	-48.81
402	7	556	267.33	37.80	-44.53	36.50	-43.23	-10.28	13.37	-81.20	-14.66	-53.17	-43.18
		573	238.36	70.46	-17.55	68.33	-15.42	-13.51	-11.81	-83.97	-48.20	-47.57	36.08
		562	394.15	-12.92	-71.90	-65.64	-19.18	-18.17	160.74	59.55	69.79	150.50	30.51
		588	429.70	-33.61	-44.85	-38.98	-39.48	-5.62	177.12	71.12	103.33	144.91	-48.75
402	8	556	110.62	23.77	-22.93	23.75	-22.90	-1.11	5.89	-36.66	-16.98	-13.78	-21.21
		573	261.93	49.93	6.91	46.76	10.08	-11.24	17.00	-79.04	-46.40	-15.64	45.49
		562	346.04	12.05	-46.00	-43.51	9.56	-11.76	143.28	38.79	51.69	130.38	34.37
		588	354.98	-22.31	-27.55	-27.49	-22.38	-0.59	147.89	65.45	81.11	132.24	-32.34
402	9	556	176.88	18.64	-7.84	15.83	-5.03	-8.16	9.25	-57.02	-11.91	-35.86	-30.89

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		573	154.12	38.30	7.46	32.74	13.02	-11.86	-4.58	-52.45	-27.17	-29.86	23.89
		562	297.84	15.16	-40.28	-36.71	11.59	-13.61	126.05	48.10	54.72	119.43	21.73
		588	305.96	-1.70	-25.28	-23.39	-3.59	-6.41	131.27	52.15	69.99	113.43	-33.06
402	10	556	125.58	18.92	-21.73	18.91	-21.71	-0.75	9.45	-39.53	-12.52	-17.56	-24.36
		573	175.19	38.78	1.09	37.09	2.78	-7.80	10.24	-53.07	-28.64	-14.18	30.82
		562	306.60	3.98	-36.92	-35.04	2.10	-8.56	129.69	44.54	53.09	121.14	25.58
		588	317.23	-21.03	-21.98	-21.98	-21.03	0.01	131.76	55.21	69.21	117.76	-29.59
402	11	556	190.57	25.01	-30.66	24.26	-29.92	-6.40	10.85	-57.73	-9.92	-36.95	-31.51
		573	151.65	46.83	-12.33	45.49	-10.99	-8.79	-7.10	-53.48	-29.20	-31.37	23.16
		562	285.02	-9.36	-47.71	-43.64	-13.43	-11.81	117.04	45.81	52.38	110.47	20.61
		588	306.10	-23.25	-30.19	-25.96	-27.48	-3.38	126.19	50.37	71.66	104.90	-34.07
403	1	562	647.67	51.30	-16.00	43.86	-8.57	-21.10	39.34	-206.38	-200.95	33.91	36.12
		344	1251.60	62.85	12.76	53.95	21.66	-19.15	-4.65	-458.06	-427.98	-34.73	112.84
		520	992.63	26.15	-5.65	2.43	18.07	-13.84	-127.06	-416.79	-393.39	-150.46	78.94
		574	391.38	29.05	-25.46	8.57	-4.97	-26.40	-81.76	-166.41	-166.35	-81.82	2.23
403	2	562	600.28	63.63	-7.15	60.47	-3.99	-14.62	45.10	-182.19	-177.51	40.43	32.26
		344	1081.05	75.27	4.63	71.60	8.31	-15.68	7.19	-383.54	-358.10	-18.25	96.40
		520	826.09	16.88	-7.18	4.12	5.58	-12.01	-104.40	-345.69	-326.07	-124.03	65.96
		574	346.12	26.07	-13.50	13.83	-1.26	-18.29	-65.31	-145.52	-145.47	-65.35	1.82
403	3	562	573.14	73.34	-29.39	62.94	-18.99	-30.98	58.75	-156.66	-150.14	52.22	36.91
		344	994.84	88.30	-9.71	76.84	1.75	-31.49	21.61	-338.68	-315.33	-1.74	88.70
		520	756.09	23.04	-29.73	-4.71	-1.97	-26.35	-96.88	-315.73	-298.81	-113.80	58.45
		574	322.22	33.45	-42.06	6.66	-15.27	-36.13	-59.24	-134.21	-133.62	-59.83	6.66
403	4	562	646.59	65.55	-38.81	49.06	-22.31	-38.07	46.04	-196.43	-192.53	42.14	30.49
		344	1072.66	80.10	-13.67	61.67	4.77	-37.27	12.10	-375.69	-351.73	-11.86	93.36
		520	803.51	28.45	-35.68	-8.13	0.90	-31.74	-94.29	-333.20	-313.06	-114.43	66.38
		574	366.49	35.96	-53.37	1.03	-18.45	-43.59	-60.30	-153.99	-153.86	-60.43	3.51
403	5	562	644.80	64.63	-35.54	49.36	-20.27	-36.01	44.70	-197.13	-193.22	40.79	30.50
		344	1077.98	79.09	-9.79	61.91	7.39	-35.10	10.43	-379.19	-355.07	-13.69	93.90
		520	810.52	28.18	-31.85	-7.17	3.50	-29.53	-96.05	-336.71	-316.50	-116.25	66.75
		574	367.63	35.29	-49.84	1.84	-16.39	-41.58	-61.65	-154.77	-154.65	-61.77	3.35
403	6	562	647.11	65.40	-39.64	48.50	-22.74	-38.59	46.23	-196.41	-192.26	42.09	31.44
		344	1085.16	80.24	-12.87	61.21	6.15	-37.54	11.59	-380.83	-356.52	-12.72	94.61
		520	818.31	29.14	-35.33	-8.35	2.16	-31.81	-96.76	-339.72	-319.43	-117.06	67.22
		574	369.40	36.33	-54.41	0.67	-18.75	-44.32	-62.07	-155.35	-155.17	-62.24	4.05
403	7	562	642.35	65.59	-38.83	49.07	-22.31	-38.10	46.26	-194.60	-190.62	42.28	30.73
		344	1067.43	80.25	-13.13	61.75	5.38	-37.23	12.32	-373.66	-349.83	-11.51	92.90
		520	800.91	28.64	-35.34	-8.17	1.47	-31.63	-94.50	-332.31	-312.35	-114.46	65.94
		574	364.83	36.05	-53.48	0.97	-18.40	-43.70	-60.52	-153.29	-153.14	-60.67	3.76
403	8	562	459.22	62.80	-22.08	54.67	-13.95	-24.98	48.94	-123.28	-117.67	43.33	30.56
		344	757.23	75.70	-4.18	66.67	4.85	-25.28	20.71	-253.75	-236.03	3.00	67.44
		520	568.92	20.02	-21.76	-3.32	1.58	-20.75	-72.79	-237.43	-224.69	-85.53	43.99
		574	259.86	28.57	-32.87	6.38	-10.68	-29.51	-44.38	-107.14	-106.32	-45.20	7.12
403	9	562	449.33	35.79	-13.88	29.71	-7.80	-16.28	27.52	-142.77	-139.38	24.12	23.82
		344	865.59	43.87	4.79	36.71	11.95	-15.12	-2.72	-316.04	-295.47	-23.28	77.59
		520	682.33	17.36	-7.52	0.31	9.52	-11.56	-87.07	-286.29	-270.16	-103.20	54.35
		574	267.51	20.16	-20.78	4.75	-5.38	-19.83	-55.80	-114.06	-114.06	-55.80	0.58
403	10	562	407.34	48.01	-21.29	40.31	-13.59	-21.77	38.24	-115.09	-111.15	34.30	24.26
		344	722.81	57.90	-7.59	49.43	0.88	-21.97	11.88	-249.72	-232.89	-4.95	64.18
		520	550.95	15.90	-21.17	-3.65	-1.61	-18.51	-70.30	-230.15	-217.62	-82.83	42.96
		574	228.57	22.59	-30.00	3.69	-11.10	-25.24	-43.41	-96.05	-95.87	-43.59	3.04
403	11	562	449.04	43.67	-27.06	32.29	-15.68	-26.00	31.38	-137.26	-134.55	28.67	21.22
		344	773.11	53.53	-9.45	40.75	3.33	-25.33	6.31	-273.14	-255.77	-11.05	67.46
		520	585.50	19.28	-24.27	-5.68	0.69	-21.54	-70.24	-243.48	-229.07	-84.64	47.83
		574	254.86	24.19	-36.87	0.36	-13.03	-29.79	-44.88	-107.89	-107.85	-44.92	1.59
404	1	588	181.51	7.94	-31.86	-28.68	4.76	10.80	74.54	54.00	54.15	74.40	1.72
		562	278.76	1.29	-32.63	-20.62	-10.72	16.22	113.29	48.55	63.46	98.38	-27.25
		574	278.94	30.39	-17.16	24.26	-11.04	15.93	-21.39	-106.62	-28.08	-99.93	22.93
		557	389.42	39.25	1.49	35.66	5.08	11.08	-13.09	-148.22	-37.39	-123.91	51.90
404	2	588	179.64	6.36	-35.50	-31.92	2.78	11.71	72.84	52.71	52.71	72.84	-0.15
		562	268.62	5.96	-31.21	-22.23	-3.02	15.91	110.24	49.76	65.47	94.53	-26.52
		574	233.57	30.84	-10.12	25.24	-4.51	14.08	-15.97	-89.06	-21.03	-84.00	18.55
		557	337.04	41.40	-0.67	36.46	4.27	13.54	-12.20	-127.28	-33.79	-105.69	44.92
404	3	588	210.07	-14.76	-49.87	-37.65	-26.98	16.72	82.64	49.64	49.74	82.54	1.83
		562	285.64	-5.03	-45.44	-25.73	-24.74	20.20	113.32	53.44	63.48	103.28	-22.37
		574	218.53	32.67	-32.11	27.95	-27.38	16.85	-11.57	-75.65	-18.72	-68.50	20.18
		557	324.08	45.70	-30.09	39.95	-24.34	20.07	-8.17	-113.54	-32.47	-89.25	44.38
404	4	588	188.67	-14.49	-47.94	-38.47	-23.97	15.07	69.49	51.08	53.38	67.19	-6.10
		562	296.53	-9.24	-50.22	-27.05	-32.41	20.32	114.54	44.84	68.74	90.65	-33.08
		574	242.72	34.64	-38.93	29.74	-34.03	18.34	-17.72	-85.52	-20.85	-82.38	14.25
		557	341.93	47.45	-26.51	43.29	-22.35	17.04	-17.06	-124.99	-36.21	-105.84	41.23
404	5	588	186.23	-13.43	-46.85	-38.37	-21.90	14.54	68.62	51.49	53.42	66.69	-5.42

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		562	292.39	-8.50	-47.86	-26.92	-29.44	19.64	113.53	45.00	68.51	90.02	-32.53
		574	244.00	34.27	-35.85	29.57	-31.14	17.55	-17.92	-86.89	-21.23	-83.58	14.74
		557	344.37	47.08	-24.31	42.97	-20.20	16.63	-16.87	-126.37	-36.32	-106.91	41.86
404	6	588	189.93	-15.15	-48.37	-38.61	-24.92	15.13	70.00	51.62	53.26	68.36	-5.23
		562	296.22	-9.53	-50.63	-27.13	-33.03	20.34	114.46	45.59	68.20	91.85	-32.34
		574	245.34	34.61	-39.53	29.77	-34.69	18.31	-18.00	-86.45	-21.55	-82.90	15.18
		557	346.45	47.48	-27.42	43.32	-23.26	17.16	-16.58	-126.31	-36.49	-106.39	42.29
404	7	588	188.50	-14.81	-48.15	-38.56	-24.40	15.09	69.42	51.09	53.05	67.45	-5.67
		562	294.99	-9.30	-50.20	-27.09	-32.41	20.28	114.00	45.22	68.40	90.82	-32.51
		574	241.94	34.58	-38.92	29.73	-34.07	18.24	-17.49	-85.12	-20.82	-81.80	14.63
		557	341.49	47.44	-26.92	43.25	-22.73	17.13	-16.72	-124.61	-36.16	-105.17	41.47
404	8	588	167.39	-11.83	-41.92	-32.49	-21.26	13.96	65.95	38.37	38.42	65.91	1.16
		562	227.32	-3.24	-37.00	-22.14	-18.11	16.76	90.26	42.17	50.23	82.20	-17.96
		574	163.49	27.78	-24.40	23.88	-20.50	13.71	-9.73	-56.66	-15.53	-50.85	15.45
		557	248.52	39.07	-23.86	34.08	-18.86	17.01	-7.36	-87.13	-27.34	-67.15	34.56
404	9	588	127.83	2.27	-22.90	-20.23	-0.39	7.75	51.16	38.53	38.55	51.13	0.55
		562	196.37	-0.78	-23.98	-14.50	-10.26	11.40	79.25	34.36	45.66	67.95	-19.48
		574	195.95	20.79	-14.49	16.89	-10.59	11.06	-13.75	-73.81	-18.02	-69.53	15.45
		557	271.98	27.19	-2.47	24.79	-0.07	8.09	-8.88	-102.61	-25.13	-86.35	35.48
404	10	588	143.12	-10.01	-33.23	-25.22	-18.03	11.04	55.67	36.08	36.10	55.65	0.61
		562	199.82	-4.08	-31.31	-17.33	-18.05	13.61	79.09	37.26	45.67	70.68	-16.77
		574	162.21	22.14	-22.87	18.94	-19.67	11.57	-8.39	-56.51	-12.83	-52.07	13.92
		557	235.33	30.80	-20.03	27.17	-16.41	13.08	-6.28	-83.21	-22.40	-67.10	31.30
404	11	588	132.60	-10.23	-32.40	-25.75	-16.88	10.16	48.80	37.04	38.06	47.78	-3.31
		562	206.18	-6.51	-34.26	-18.11	-22.66	13.69	80.02	32.61	48.30	64.33	-22.31
		574	177.54	23.22	-27.00	19.96	-23.73	12.38	-11.82	-62.65	-14.40	-60.07	11.15
		557	248.20	31.81	-18.57	29.05	-15.81	11.46	-10.83	-90.43	-24.64	-76.62	30.15
405	1	574	446.19	55.11	-25.96	-12.43	41.58	-30.23	-40.97	-173.78	-126.04	-88.71	63.73
		520	1281.98	57.22	-46.47	5.57	5.18	-51.84	-92.68	-510.04	-480.84	-121.88	106.47
		350	1551.54	81.13	-22.77	60.18	-1.82	-41.68	101.59	-504.50	-491.74	88.83	87.01
		563	670.66	110.55	22.26	84.22	48.59	-40.39	129.36	-144.30	-136.94	122.00	44.26
405	2	574	408.61	55.81	-29.25	-11.96	38.52	-34.23	-36.56	-157.01	-115.37	-78.20	57.29
		520	1043.77	61.61	-47.43	7.81	6.37	-54.51	-75.04	-412.91	-393.19	-94.76	79.21
		350	1296.87	88.70	-22.83	66.48	-0.60	-44.55	74.06	-423.68	-414.05	64.43	68.55
		563	603.62	118.46	18.73	91.69	45.49	-44.19	90.58	-145.82	-136.23	80.99	46.63
405	3	574	411.81	61.69	-52.38	-23.07	32.39	-49.84	-28.88	-151.27	-107.19	-72.95	58.75
		520	948.55	71.59	-64.13	-0.28	7.74	-67.74	-65.14	-373.31	-358.00	-80.45	66.95
		350	1213.44	99.56	-33.42	65.29	0.85	-58.16	61.87	-398.62	-390.63	53.87	60.15
		563	602.17	130.98	0.78	92.48	39.28	-59.42	73.99	-152.44	-139.82	61.37	51.95
405	4	574	431.36	63.66	-52.84	-24.29	35.11	-50.11	-38.95	-163.64	-124.25	-78.34	57.96
		520	999.14	72.51	-66.65	-1.40	7.26	-69.45	-68.77	-393.84	-377.79	-84.81	70.42
		350	1255.67	100.15	-35.15	64.94	0.06	-59.36	61.28	-414.49	-405.23	52.02	65.72
		563	626.84	132.78	2.25	92.71	42.31	-60.20	71.22	-164.42	-151.69	58.49	53.27
405	5	574	432.14	62.92	-50.74	-23.81	35.98	-48.33	-39.20	-164.47	-124.68	-78.99	58.32
		520	1009.48	71.49	-64.34	-0.82	7.98	-67.77	-69.91	-398.35	-381.93	-86.32	71.57
		350	1267.77	99.47	-32.90	65.83	0.74	-57.63	62.60	-418.37	-409.04	53.26	66.36
		563	629.18	132.16	4.78	93.72	43.22	-58.47	73.14	-164.33	-151.79	60.60	53.11
405	6	574	436.02	63.66	-53.21	-24.78	35.24	-50.14	-38.48	-165.17	-124.59	-79.06	59.11
		520	1021.54	72.44	-67.01	-1.81	7.24	-69.57	-70.11	-402.81	-386.00	-86.91	72.85
		350	1282.32	100.09	-35.29	64.79	6.49e-03	-59.44	63.99	-422.94	-413.46	54.51	67.28
		563	634.23	132.87	2.28	92.67	42.47	-60.28	74.99	-164.67	-152.05	62.36	53.54
405	7	574	430.75	63.66	-52.98	-24.51	35.19	-50.10	-38.65	-163.24	-123.55	-78.34	58.05
		520	996.84	72.51	-66.60	-1.55	7.45	-69.41	-68.59	-392.96	-376.99	-84.56	70.18
		350	1254.52	100.19	-34.96	64.99	0.24	-59.32	61.27	-414.09	-404.87	52.05	65.56
		563	626.31	132.86	2.35	92.82	42.40	-60.19	71.10	-164.26	-151.43	58.27	53.43
405	8	574	334.03	53.30	-43.25	-19.73	29.78	-41.44	-28.01	-124.23	-90.44	-61.80	45.93
		520	698.31	61.62	-51.58	0.22	9.82	-56.40	-48.10	-274.69	-265.59	-57.19	44.47
		350	912.32	85.80	-24.51	57.35	3.94	-48.26	36.64	-303.45	-297.36	30.55	45.10
		563	487.55	112.78	3.79	80.90	35.66	-49.58	39.36	-135.62	-122.20	25.95	46.56
405	9	574	305.45	37.38	-20.52	-9.64	26.50	-22.62	-25.85	-117.84	-84.79	-58.90	44.14
		520	883.55	39.75	-34.31	2.86	2.58	-37.03	-63.48	-351.28	-331.05	-83.71	73.57
		350	1069.95	56.18	-17.77	40.57	-2.16	-30.18	71.86	-346.71	-338.24	63.40	58.91
		563	464.69	76.33	11.99	57.07	31.24	-29.46	92.90	-96.68	-91.98	88.20	29.48
405	10	574	286.67	41.18	-35.34	-15.56	21.39	-33.51	-19.13	-105.33	-74.31	-50.15	41.37
		520	698.21	47.72	-44.10	-0.38	4.00	-45.86	-48.27	-275.23	-262.81	-60.69	51.62
		350	881.92	66.46	-23.72	43.41	-0.68	-39.33	49.81	-287.90	-282.07	43.98	43.99
		563	422.98	87.67	0.05	61.66	26.07	-40.03	61.85	-100.91	-93.58	54.52	33.75
405	11	574	299.99	42.27	-35.80	-16.50	22.98	-33.68	-24.49	-113.03	-83.98	-53.54	41.57
		520	738.75	48.19	-45.70	-1.24	3.72	-46.88	-51.02	-291.62	-278.36	-64.28	54.90
		350	920.13	66.75	-24.76	43.14	-1.14	-40.04	50.98	-301.41	-294.76	44.33	47.96
		563	440.69	88.73	0.89	61.77	27.84	-40.51	62.44	-107.74	-100.37	55.07	34.63
406	1	557	293.85	47.12	-17.84	35.16	-5.88	-25.18	25.65	-83.35	-15.81	-41.90	-52.91

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		574	278.57	72.47	2.21	63.74	10.93	-23.17	-7.75	-97.67	-35.60	-69.81	41.58
		563	470.07	16.76	-73.91	-63.36	6.22	-29.07	201.92	102.85	103.41	201.36	7.44
		589	678.02	7.19	-45.65	-37.29	-1.17	-19.28	278.17	74.31	123.21	229.27	-87.05
406	2	557	270.11	50.52	-17.86	37.41	-4.76	-26.91	20.66	-76.89	-14.33	-41.90	-46.79
		574	276.72	73.57	-0.20	66.66	6.71	-21.49	-6.07	-96.38	-37.13	-65.32	42.90
		563	418.51	11.58	-76.86	-66.24	0.96	-28.75	176.98	92.08	93.98	175.08	12.55
		589	595.62	9.16	-46.34	-38.18	1.00	-19.65	244.94	70.34	116.77	198.51	-77.14
406	3	557	253.27	57.89	-30.35	44.95	-17.41	-31.22	18.20	-68.98	-14.83	-35.95	-42.29
		574	294.57	82.77	-15.05	77.42	-9.70	-22.25	-0.65	-99.74	-39.96	-60.43	48.47
		563	420.00	-2.79	-86.72	-72.61	-16.90	-31.38	172.23	88.74	92.15	168.82	16.53
		589	575.12	1.48	-51.94	-40.25	-10.21	-22.09	238.69	71.89	117.28	193.30	-74.24
406	4	557	290.14	59.07	-29.47	44.32	-14.72	-32.99	18.68	-82.02	-15.27	-48.06	-47.61
		574	296.50	83.46	-13.50	77.34	-7.39	-23.57	-9.80	-104.60	-44.85	-69.55	45.76
		563	423.52	-0.33	-89.96	-75.50	-14.79	-32.97	174.14	88.02	91.37	170.80	16.65
		589	583.69	4.53	-54.31	-42.47	-7.31	-23.60	241.22	72.01	120.94	192.28	-76.72
406	5	557	290.37	58.81	-28.28	44.04	-13.51	-32.68	18.82	-82.30	-15.37	-48.11	-47.84
		574	296.99	83.30	-11.85	77.02	-5.57	-23.64	-9.71	-104.68	-44.59	-69.80	45.78
		563	425.39	1.26	-89.44	-75.31	-12.86	-32.89	175.46	88.81	92.06	172.21	16.47
		589	588.06	5.29	-53.97	-42.47	-6.21	-23.43	242.86	72.32	121.28	193.90	-77.15
406	6	557	290.49	59.22	-29.80	44.56	-15.14	-33.01	19.13	-81.84	-15.54	-47.18	-47.94
		574	298.08	83.91	-13.60	77.73	-7.42	-23.75	-9.28	-104.87	-44.76	-69.39	46.18
		563	430.17	-0.26	-90.20	-75.65	-14.81	-33.12	177.17	89.46	92.62	174.01	16.36
		589	593.36	4.21	-54.51	-42.55	-7.75	-23.65	245.23	72.84	121.84	196.22	-77.76
406	7	557	288.34	59.14	-29.57	44.45	-14.88	-32.97	18.50	-81.45	-15.33	-47.62	-47.30
		574	297.93	83.67	-13.51	77.54	-7.37	-23.63	-9.41	-104.89	-44.91	-69.39	46.15
		563	423.69	-0.29	-90.03	-75.55	-14.77	-33.01	174.19	88.01	91.40	170.80	16.76
		589	583.99	4.39	-54.36	-42.48	-7.49	-23.59	241.40	72.15	120.98	192.57	-76.68
406	8	557	192.71	49.69	-25.07	38.68	-14.06	-26.50	9.42	-54.06	-13.24	-31.41	-30.41
		574	269.25	71.64	-11.01	66.77	-6.14	-19.47	-1.97	-91.25	-40.54	-52.68	44.23
		563	318.95	-0.34	-74.27	-62.44	-12.17	-27.10	129.32	62.97	67.71	124.58	17.10
		589	441.03	1.73	-44.49	-34.74	-8.03	-18.86	183.34	57.53	95.02	145.85	-57.54
406	9	557	209.85	32.89	-13.40	24.50	-5.01	-17.83	19.51	-58.61	-10.18	-28.92	-37.92
		574	181.96	49.40	-0.57	44.06	4.77	-15.45	-4.22	-63.90	-21.42	-46.70	27.03
		563	332.16	8.77	-51.27	-43.77	1.27	-19.85	142.22	73.86	74.17	141.91	4.60
		589	471.13	4.50	-31.52	-25.52	-1.50	-13.43	193.42	51.69	85.42	159.69	-60.36
406	10	557	187.26	38.87	-20.34	29.94	-11.41	-21.19	15.37	-50.63	-9.64	-25.61	-32.02
		574	189.76	55.26	-10.29	51.66	-6.69	-14.93	-0.57	-64.77	-23.84	-41.49	30.86
		563	303.98	-2.04	-58.44	-48.91	-11.57	-21.13	125.45	66.30	67.92	123.83	9.65
		589	413.80	1.35	-35.04	-27.16	-6.52	-14.99	171.44	50.39	82.13	139.71	-53.24
406	11	557	207.78	39.61	-20.04	29.72	-10.15	-22.18	15.87	-57.76	-10.03	-31.85	-35.16
		574	192.02	55.89	-9.48	51.83	-5.42	-15.77	-5.26	-67.71	-26.51	-46.46	29.59
		563	309.68	-0.64	-60.38	-50.60	-10.41	-22.10	128.23	66.66	68.18	126.71	9.56
		589	423.85	2.87	-36.47	-28.44	-5.16	-15.85	175.03	50.95	84.66	141.33	-55.19
407	1	589	432.54	29.46	-21.30	-20.85	29.00	4.80	178.34	73.62	74.77	177.19	-10.90
		563	522.73	-3.75	-32.51	-17.42	-18.84	14.36	213.03	65.34	98.77	179.60	-61.80
		565	228.99	17.35	-26.50	6.39	-15.54	18.99	21.27	-67.02	-8.99	-36.76	-41.91
		591	119.89	25.71	18.85	18.85	25.70	0.17	-26.57	-45.58	-32.99	-39.17	8.99
407	2	589	369.01	30.09	-21.30	-20.85	29.65	4.75	151.61	67.72	68.82	150.51	-9.53
		563	456.19	-4.18	-33.46	-17.60	-20.04	14.59	184.55	57.25	92.12	149.69	-56.77
		565	220.59	17.44	-27.71	6.28	-16.56	19.47	22.22	-62.87	-7.05	-33.60	-40.42
		591	104.57	26.17	18.91	18.92	26.16	-0.13	-24.64	-38.48	-30.35	-32.78	6.81
407	3	589	353.69	29.76	-20.08	-19.90	29.58	2.98	145.15	66.82	67.71	144.26	-8.32
		563	438.87	-8.37	-37.77	-18.01	-28.12	13.81	176.34	56.12	91.15	141.31	-54.63
		565	217.64	14.83	-34.03	4.49	-23.69	19.95	22.64	-61.70	-6.35	-32.70	-40.06
		591	99.11	26.26	16.09	17.19	25.15	-3.17	-23.53	-36.02	-29.80	-29.76	6.24
407	4	589	356.07	31.18	-21.69	-21.41	30.89	3.84	146.05	68.45	69.58	144.92	-9.28
		563	449.69	-7.20	-37.55	-18.79	-25.96	14.75	180.14	54.02	92.43	141.74	-58.04
		565	232.95	16.57	-32.84	5.48	-21.75	20.61	22.92	-67.01	-8.54	-35.54	-42.89
		591	104.61	27.17	18.30	18.79	26.69	-2.02	-25.99	-37.76	-31.39	-32.36	5.87
407	5	589	358.99	31.19	-22.13	-21.82	30.88	4.04	147.29	68.82	69.94	146.17	-9.31
		563	452.39	-6.79	-37.09	-18.94	-24.94	14.85	181.42	54.44	92.81	143.06	-58.31
		565	233.73	16.91	-32.03	5.76	-20.87	20.53	22.91	-67.30	-8.68	-35.71	-43.03
		591	105.30	27.14	18.82	19.15	26.81	-1.64	-26.08	-38.07	-31.55	-32.60	5.97
407	6	589	363.45	31.18	-21.75	-21.48	30.90	3.80	149.14	69.20	70.30	148.04	-9.32
		563	456.66	-7.31	-37.68	-18.86	-26.13	14.74	183.13	55.20	93.26	145.08	-58.48
		565	233.76	16.54	-32.98	5.47	-21.90	20.63	22.84	-67.40	-8.73	-35.83	-43.03
		591	106.03	27.20	18.29	18.81	26.68	-2.08	-26.12	-38.43	-31.69	-32.86	6.13
407	7	589	356.56	31.17	-21.72	-21.44	30.89	3.82	146.24	68.44	69.55	145.13	-9.22
		563	449.63	-7.25	-37.61	-18.82	-26.04	14.74	180.16	54.27	92.48	141.96	-57.88
		565	232.26	16.55	-32.90	5.48	-21.82	20.62	22.92	-66.75	-8.41	-35.42	-42.75
		591	104.47	27.18	18.29	18.79	26.68	-2.05	-25.87	-37.72	-31.34	-32.25	5.91
407	8	589	270.43	25.62	-17.90	-17.73	25.45	2.76	110.32	51.93	52.56	109.68	-6.04

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		563	336.72	-6.93	-32.04	-15.78	-23.19	11.99	134.41	42.36	70.97	105.81	-42.60
		565	175.42	13.12	-28.47	4.18	-19.53	17.09	17.72	-49.66	-5.87	-26.07	-32.14
		591	77.82	22.53	14.51	15.26	21.78	-2.33	-18.70	-27.77	-24.28	-22.19	4.42
407	9	589	297.74	19.89	-14.17	-13.89	19.61	3.08	123.02	51.67	52.51	122.18	-7.71
		563	362.45	-2.97	-22.32	-11.74	-13.54	9.63	147.76	45.62	69.54	123.84	-43.26
		565	160.09	11.46	-18.55	4.12	-11.21	12.90	15.54	-46.57	-5.53	-25.50	-29.41
		591	82.50	17.29	12.51	12.52	17.28	-0.19	-18.31	-31.42	-22.56	-27.17	6.14
407	10	589	254.00	20.06	-13.49	-13.36	19.94	2.07	104.58	47.88	48.59	103.88	-6.28
		563	315.91	-5.49	-25.28	-12.07	-18.70	9.32	127.41	40.47	65.31	102.57	-39.27
		565	153.78	10.06	-22.73	3.07	-15.74	13.43	16.30	-43.62	-4.06	-23.25	-28.38
		591	70.81	17.66	10.91	11.60	16.98	-2.04	-16.72	-26.01	-20.78	-21.94	4.61
407	11	589	259.42	20.85	-14.42	-14.24	20.67	2.53	106.80	49.20	50.03	105.98	-6.83
		563	325.76	-4.90	-25.23	-12.54	-17.59	9.84	131.17	39.97	66.48	104.66	-41.41
		565	162.72	11.01	-22.15	3.61	-14.74	13.81	16.41	-46.78	-5.38	-24.99	-30.03
		591	74.67	18.19	12.13	12.49	17.83	-1.44	-18.11	-27.39	-21.84	-23.67	4.55
408	1	563	754.53	49.55	-18.07	41.81	-10.33	-21.53	95.65	-208.73	-206.52	93.44	25.87
		350	1572.62	79.59	-40.33	70.33	-31.07	-21.01	55.27	-535.11	-520.22	40.37	92.58
		416	1430.93	-20.22	-88.57	-73.83	-34.96	-28.11	28.74	-511.33	-498.24	15.65	83.05
		565	630.54	6.85	-55.09	-41.79	-6.45	-25.43	69.77	-185.60	-184.55	68.72	16.34
408	2	563	681.80	52.91	-19.43	46.86	-13.38	-20.03	84.34	-187.34	-185.89	82.89	19.78
		350	1330.57	86.08	-27.67	78.11	-19.69	-29.05	50.22	-446.94	-434.85	38.13	76.59
		416	1196.32	-15.73	-83.20	-74.06	-24.88	-23.10	29.81	-420.86	-409.90	18.85	69.41
		565	557.90	6.09	-55.45	-41.17	-8.19	-25.98	64.32	-161.66	-160.95	63.61	12.59
408	3	563	659.06	51.90	-27.61	42.13	-17.83	-26.11	81.64	-180.38	-179.10	80.36	18.27
		350	1263.51	91.03	-24.68	79.27	-12.91	-34.97	49.69	-421.93	-411.17	38.92	70.45
		416	1149.57	-11.51	-105.52	-97.25	-19.78	-26.63	30.58	-396.89	-386.88	20.57	64.64
		565	549.38	6.84	-77.64	-59.84	-10.96	-34.45	62.73	-155.53	-154.81	62.01	12.46
408	4	563	689.93	49.69	-26.00	40.83	-17.14	-24.34	80.46	-193.99	-192.63	79.10	19.27
		350	1293.90	84.83	-25.06	74.16	-14.39	-32.54	46.14	-436.68	-424.43	33.89	75.92
		416	1163.79	-11.75	-93.53	-84.82	-20.46	-25.22	30.57	-405.36	-394.34	19.55	68.44
		565	568.71	6.39	-68.48	-51.02	-11.07	-31.66	65.36	-163.15	-162.54	64.75	11.79
408	5	563	694.44	50.43	-24.87	42.16	-16.60	-23.55	80.96	-195.20	-193.82	79.58	19.48
		350	1306.17	85.27	-25.31	75.16	-15.20	-31.87	46.55	-440.80	-428.45	34.19	76.61
		416	1173.81	-12.42	-91.45	-82.73	-21.14	-24.76	30.78	-409.56	-398.41	19.62	69.19
		565	571.41	6.31	-66.05	-49.08	-10.66	-30.66	65.64	-164.42	-163.78	65.01	12.06
408	6	563	698.06	49.84	-26.14	40.71	-17.00	-24.71	81.78	-196.17	-194.73	80.34	19.95
		350	1320.95	85.15	-26.30	74.23	-15.38	-33.14	46.98	-446.16	-433.67	34.49	77.47
		416	1190.76	-12.33	-95.19	-86.10	-21.42	-25.89	30.70	-415.30	-404.05	19.45	69.94
		565	577.08	6.51	-69.41	-51.94	-10.96	-31.96	65.96	-165.78	-165.11	65.29	12.41
408	7	563	689.00	49.79	-26.07	40.91	-17.19	-24.38	80.62	-193.46	-192.10	79.26	19.30
		350	1293.86	85.06	-24.97	74.36	-14.27	-32.59	46.34	-436.51	-424.31	34.14	75.78
		416	1164.37	-11.71	-93.82	-85.15	-20.37	-25.23	30.56	-405.49	-394.50	19.58	68.35
		565	568.07	6.39	-68.73	-51.25	-11.09	-31.74	65.31	-162.90	-162.28	64.69	11.87
408	8	563	522.40	44.85	-22.83	37.84	-15.82	-20.62	61.45	-144.05	-142.99	60.38	14.73
		350	970.87	78.05	-15.97	69.22	-7.13	-27.44	37.26	-323.04	-314.58	28.80	54.56
		416	877.94	-7.58	-83.92	-78.31	-13.19	-19.92	24.93	-301.08	-292.98	16.83	50.75
		565	430.24	5.29	-62.36	-47.31	-9.76	-28.14	49.11	-122.09	-121.39	48.41	10.92
408	9	563	520.11	33.31	-13.06	27.57	-7.33	-15.27	66.99	-143.34	-141.99	65.64	16.82
		350	1077.39	54.06	-27.52	47.35	-20.82	-22.41	38.95	-366.18	-356.18	28.95	62.85
		416	980.39	-13.63	-62.25	-52.31	-23.56	-19.61	20.25	-349.57	-340.87	11.54	56.07
		565	435.28	4.75	-39.55	-30.21	-4.58	-18.07	48.80	-127.25	-126.67	48.22	10.04
408	10	563	467.12	34.63	-18.37	27.75	-11.49	-17.81	59.22	-127.61	-126.76	58.37	12.59
		350	905.68	60.45	-18.86	52.32	-10.73	-24.05	35.86	-303.31	-295.60	28.15	50.55
		416	824.11	-8.88	-71.57	-65.32	-15.13	-18.79	21.27	-286.00	-279.00	14.28	45.84
		565	390.35	4.75	-52.08	-40.24	-7.09	-23.08	44.90	-110.56	-110.16	44.50	7.88
408	11	563	488.74	33.48	-17.55	26.96	-11.03	-17.04	59.30	-136.38	-135.44	58.36	13.53
		350	937.56	57.18	-19.76	49.52	-12.10	-23.03	34.35	-316.76	-308.10	25.69	54.45
		416	846.96	-9.27	-65.90	-59.12	-16.04	-18.38	21.33	-296.22	-288.54	13.65	48.78
		565	405.73	4.56	-47.49	-35.85	-7.09	-21.69	46.70	-116.26	-115.88	46.32	7.86
409	1	380	1578.66	-63.81	-257.10	-180.14	-140.78	-94.62	29.95	-537.25	-521.52	14.22	-93.14
		619	830.05	16.30	-225.77	-180.14	-29.34	-94.69	31.74	-236.92	-212.24	7.06	-77.61
		605	780.12	83.65	-108.68	4.31	-29.34	-94.69	12.92	-257.74	-204.97	-39.85	-107.23
		81	1454.34	50.99	-187.46	4.31	-140.78	-94.62	-3.20	-543.74	-514.25	-32.68	-122.76
409	2	380	1374.32	-55.87	-228.70	-159.53	-125.04	-84.67	25.52	-466.86	-451.00	10.57	-84.50
		619	735.38	14.33	-200.82	-159.53	-26.96	-84.73	30.26	-208.21	-183.76	5.80	-72.35
		605	694.42	74.35	-97.83	3.49	-26.96	-84.73	13.34	-227.73	-178.66	-35.73	-97.07
		81	1267.70	45.53	-167.08	3.49	-125.04	-84.67	-4.02	-473.75	-446.81	-30.96	-109.22
409	3	380	1314.88	-52.29	-234.56	-166.52	-120.33	-88.16	23.61	-442.56	-427.65	8.71	-82.01
		619	713.43	12.98	-209.87	-166.52	-30.37	-88.21	29.85	-198.06	-173.59	5.38	-70.55
		605	669.78	73.81	-105.06	-0.88	-30.37	-88.21	13.34	-216.50	-168.85	-34.31	-93.17
		81	1207.58	45.88	-167.09	-0.88	-120.33	-88.16	-4.80	-449.09	-422.91	-30.98	-104.63
409	4	380	1257.34	-52.99	-249.87	-185.28	-117.58	-92.43	27.71	-413.83	-400.67	14.54	-75.09

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		619	676.37	11.32	-228.79	-185.28	-32.19	-92.48	25.76	-182.06	-161.96	5.66	-61.42
		605	627.13	80.92	-107.81	5.30	-32.19	-92.48	15.26	-198.77	-154.73	-28.78	-86.53
		81	1139.10	54.85	-167.13	5.30	-117.58	-92.43	5.28	-418.62	-393.44	-19.90	-100.20
409	5	380	1272.57	-53.49	-250.13	-185.09	-118.53	-92.52	27.96	-419.59	-406.31	14.69	-75.94
		619	683.74	11.54	-228.67	-185.09	-32.04	-92.57	26.02	-184.70	-164.42	5.74	-62.15
		605	634.62	80.97	-107.87	5.14	-32.04	-92.57	15.16	-201.65	-157.17	-29.32	-87.55
		81	1154.13	54.58	-167.98	5.14	-118.53	-92.52	5.04	-424.47	-399.06	-20.37	-101.34
409	6	380	1299.74	-54.02	-258.99	-192.29	-120.72	-96.04	28.28	-427.70	-414.29	14.88	-77.02
		619	697.93	11.53	-237.59	-192.29	-33.77	-96.09	26.19	-187.81	-162.51	5.90	-62.70
		605	645.69	83.11	-112.77	4.11	-33.77	-96.09	15.06	-204.68	-159.89	-29.73	-88.52
		81	1176.81	56.23	-172.84	4.11	-120.72	-96.04	4.95	-432.36	-406.67	-20.75	-102.84
409	7	380	1258.02	-52.59	-251.41	-186.51	-117.49	-93.23	27.42	-413.77	-400.48	14.14	-75.40
		619	677.92	11.24	-230.51	-186.51	-32.76	-93.28	25.92	-182.13	-161.83	5.62	-61.73
		605	628.18	80.84	-109.35	4.26	-32.76	-93.28	15.16	-198.79	-154.63	-29.00	-86.59
		81	1139.39	54.73	-167.96	4.26	-117.49	-93.23	4.77	-418.52	-393.27	-20.48	-100.26
409	8	380	1014.20	-40.65	-182.04	-127.79	-94.90	-68.75	15.30	-342.94	-331.11	3.47	-64.01
		619	548.14	10.55	-162.00	-127.79	-23.67	-68.80	23.07	-151.79	-132.67	3.55	-55.07
		605	511.82	56.40	-82.78	-2.71	-23.67	-68.80	9.22	-165.13	-128.57	-27.35	-70.98
		81	930.52	33.97	-131.59	-2.71	-94.90	-68.75	-7.46	-347.37	-327.40	-27.42	-79.92
409	9	380	1074.98	-43.59	-180.03	-128.10	-95.52	-66.25	22.45	-363.17	-352.35	11.62	-63.70
		619	570.23	10.63	-159.77	-128.10	-21.05	-66.29	22.09	-161.46	-144.47	5.11	-53.19
		605	536.92	58.97	-75.96	4.06	-21.05	-66.29	10.26	-176.34	-139.55	-26.53	-74.24
		81	988.86	37.14	-128.60	4.06	-95.52	-66.25	0.62	-368.06	-347.42	-20.01	-84.75
409	10	380	928.44	-37.10	-167.59	-120.53	-84.16	-62.66	18.92	-310.56	-300.20	8.56	-57.52
		619	505.39	8.78	-150.93	-120.53	-21.62	-62.69	21.03	-139.86	-123.00	4.17	-49.27
		605	475.70	53.50	-73.95	1.17	-21.62	-62.69	10.50	-153.43	-119.48	-23.45	-66.43
		81	851.86	34.31	-117.30	1.17	-84.16	-62.66	-0.25	-315.49	-296.67	-19.06	-74.67
409	11	380	920.07	-37.98	-181.24	-134.85	-84.38	-67.03	21.52	-302.31	-292.78	11.99	-54.74
		619	496.83	7.99	-166.34	-134.85	-23.51	-67.07	19.01	-134.18	-119.62	4.46	-44.92
		605	462.34	58.68	-78.24	3.95	-23.51	-67.07	11.46	-146.86	-114.50	-20.90	-63.85
		81	834.88	40.06	-120.49	3.95	-84.38	-67.03	5.16	-306.19	-287.65	-13.38	-73.68
410	1	81	2171.13	30.99	-217.33	13.80	-200.13	-63.04	10.43	-804.80	-696.04	-98.33	-277.19
		605	684.56	61.25	-138.60	25.08	-102.44	-76.94	153.79	-103.22	19.31	31.25	-128.37
		621	957.60	-26.57	-173.20	-97.06	-102.70	-73.26	398.70	131.59	168.59	361.70	-92.27
		452	2165.74	-56.81	-230.98	-87.92	-199.87	-66.72	300.70	-615.36	-546.77	232.12	-241.10
410	2	81	1933.38	26.36	-200.62	11.85	-186.12	-55.51	10.84	-715.37	-616.45	-88.08	-249.10
		605	606.44	55.73	-122.47	22.60	-89.34	-69.33	139.14	-86.18	27.73	25.23	-112.66
		621	872.40	-25.70	-157.04	-93.20	-89.54	-65.65	365.32	130.23	165.22	330.34	-83.67
		452	1941.44	-57.33	-213.17	-84.58	-185.91	-59.20	280.80	-542.73	-478.96	217.03	-220.11
410	3	81	1837.55	26.53	-211.87	8.72	-194.06	-62.68	11.07	-681.01	-585.75	-84.19	-238.44
		605	588.53	56.87	-135.11	18.69	-96.93	-76.63	132.70	-80.82	28.93	22.95	-106.72
		621	846.35	-19.47	-165.46	-87.90	-97.03	-72.86	353.94	129.00	162.60	320.34	-80.18
		452	1856.01	-49.50	-224.53	-80.07	-193.96	-66.46	274.96	-513.84	-452.08	213.20	-211.90
410	4	81	1720.18	31.05	-202.24	15.03	-186.22	-59.00	17.73	-631.94	-541.12	-73.09	-225.28
		605	552.40	57.65	-129.24	23.54	-95.14	-72.18	128.97	-71.51	27.45	30.01	-100.23
		621	805.57	-10.79	-150.86	-66.53	-95.12	-68.56	336.07	127.24	156.19	307.12	-72.16
		452	1726.47	-34.22	-212.03	-60.02	-186.23	-62.63	261.72	-470.08	-412.38	204.02	-197.21
410	5	81	1739.86	31.10	-202.46	14.88	-186.24	-59.38	17.50	-639.56	-547.91	-74.14	-227.64
		605	559.27	57.75	-129.85	23.49	-95.59	-72.48	130.13	-73.35	26.67	30.11	-101.73
		621	811.32	-11.41	-151.96	-67.79	-95.59	-68.89	338.41	126.67	156.10	308.98	-73.25
		452	1744.47	-34.96	-212.45	-61.17	-186.24	-62.97	262.93	-476.69	-418.48	204.72	-199.16
410	6	81	1763.88	32.22	-210.61	14.49	-192.88	-63.16	17.53	-648.91	-556.27	-75.12	-230.57
		605	570.02	59.45	-137.43	22.99	-100.97	-76.48	131.26	-75.16	25.32	30.78	-103.18
		621	823.65	-9.06	-158.64	-66.77	-100.94	-72.81	342.85	127.06	156.43	313.48	-73.99
		452	1770.51	-32.46	-220.75	-60.30	-192.91	-66.83	266.24	-483.81	-425.15	207.58	-201.38
410	7	81	1718.13	31.15	-204.85	14.24	-187.95	-60.86	17.41	-631.83	-540.90	-73.52	-225.31
		605	553.97	58.04	-132.39	22.73	-97.08	-74.01	128.58	-71.64	27.47	29.47	-100.10
		621	806.06	-10.10	-154.04	-67.08	-97.06	-70.39	336.14	127.52	156.49	307.17	-72.14
		452	1725.47	-33.65	-214.90	-60.59	-187.97	-64.47	261.98	-469.68	-411.88	204.19	-197.35
410	8	81	1434.46	19.64	-169.27	4.92	-154.55	-50.64	5.82	-532.47	-458.02	-68.63	-185.83
		605	438.94	45.32	-107.07	13.40	-75.15	-62.01	98.15	-57.62	26.76	13.77	-77.61
		621	665.86	-17.53	-135.46	-77.71	-75.27	-58.95	279.20	113.02	137.80	254.42	-59.20
		452	1454.73	-44.70	-180.70	-70.98	-154.43	-53.69	221.34	-396.30	-346.98	172.03	-167.42
410	9	81	1474.93	22.26	-149.38	10.68	-137.81	-43.05	9.87	-544.95	-470.25	-64.82	-189.37
		605	478.62	42.30	-95.62	17.99	-71.32	-52.55	108.89	-71.54	13.61	23.74	-90.07
		621	655.86	-15.82	-116.41	-60.78	-71.45	-50.01	272.46	86.78	112.96	246.28	-64.61
		452	1467.61	-34.74	-157.87	-54.93	-137.67	-45.59	204.41	-417.60	-370.91	157.71	-163.91
410	10	81	1289.66	19.76	-146.34	7.86	-134.43	-42.85	10.23	-476.18	-408.98	-56.97	-167.84
		605	424.90	39.83	-93.64	14.44	-68.26	-52.38	97.09	-59.01	18.95	19.13	-78.05
		621	593.57	-11.81	-112.18	-55.70	-68.29	-49.79	247.60	85.34	109.63	223.31	-57.89
		452	1298.58	-30.66	-154.30	-50.57	-134.39	-45.45	190.11	-361.20	-318.30	147.21	-147.69
410	11	81	1248.76	22.93	-145.64	11.06	-133.78	-43.12	13.82	-458.35	-392.60	-51.93	-163.47

		605	414.86	41.29	-94.97	16.82	-70.50	-52.30	96.36	-55.94	16.94	23.48	-76.08
		621	580.97	-5.71	-108.71	-43.95	-70.47	-49.76	241.43	84.27	106.20	219.50	-54.46
		452	1252.95	-21.09	-152.30	-39.59	-133.81	-45.65	185.27	-344.52	-303.34	144.09	-141.85
411	1	452	1809.66	-100.30	-241.95	-102.50	-239.75	-17.53	97.10	-614.91	-601.24	83.43	-97.68
		621	613.96	-87.17	-178.40	-91.95	-173.62	-20.33	224.43	63.91	86.47	201.88	-55.78
		606	286.40	25.95	-178.54	23.02	-175.61	-24.27	28.77	-40.77	27.11	-39.11	-10.61
		82	1683.02	32.84	-238.43	32.16	-237.75	-13.59	-152.14	-666.02	-660.60	-157.56	-52.51
411	2	452	1632.59	-97.56	-226.17	-97.93	-225.80	-6.92	99.41	-545.38	-533.71	87.73	-85.98
		621	590.92	-86.44	-155.97	-87.93	-154.48	-10.08	219.44	73.25	97.03	195.66	-53.96
		606	280.63	20.85	-157.59	19.71	-156.45	-14.21	33.33	-41.54	31.19	-39.40	-12.47
		82	1524.05	28.21	-223.86	28.18	-223.83	-2.78	-142.99	-603.88	-599.54	-147.32	-44.49
411	3	452	1567.72	-92.97	-245.43	-94.40	-244.00	-14.70	102.56	-515.10	-503.63	91.09	-83.37
		621	587.80	-80.86	-173.62	-84.51	-169.97	-18.03	216.32	73.31	96.74	192.89	-52.93
		606	281.38	23.99	-174.49	21.46	-171.95	-22.28	37.01	-34.10	33.92	-31.00	-14.51
		82	1456.86	30.16	-242.42	29.76	-242.02	-10.46	-128.19	-571.07	-566.45	-132.80	-44.96
411	4	452	1466.32	-70.12	-231.46	-70.14	-231.45	-1.50	100.77	-471.85	-462.65	91.57	-71.98
		621	587.51	-60.59	-160.20	-60.81	-159.98	-4.74	216.25	86.51	101.47	201.29	-41.43
		606	241.43	39.26	-162.25	38.87	-161.86	-8.82	48.78	-8.37	46.56	-6.14	11.06
		82	1343.35	46.68	-229.59	46.66	-229.56	2.58	-114.92	-518.50	-517.56	-115.86	-19.49
411	5	452	1479.65	-71.45	-230.90	-71.52	-230.83	-3.31	99.95	-478.25	-468.78	90.49	-73.38
		621	587.07	-61.76	-161.81	-62.17	-161.39	-6.43	215.85	84.89	100.10	200.65	-41.95
		606	242.18	38.61	-163.80	38.07	-163.26	-10.42	47.68	-9.49	45.75	-7.57	10.32
		82	1355.77	45.93	-228.96	45.93	-228.96	0.68	-116.63	-524.22	-523.13	-117.73	-21.11
411	6	452	1501.52	-70.92	-241.55	-71.20	-241.26	-6.98	101.23	-484.30	-474.52	91.45	-75.03
		621	594.13	-60.79	-170.94	-61.74	-169.99	-10.19	217.01	83.20	98.15	202.06	-42.15
		606	240.22	40.51	-172.85	39.55	-171.89	-14.28	47.56	-6.51	45.66	-4.61	9.97
		82	1372.98	47.50	-239.39	47.47	-239.36	-2.90	-113.96	-528.28	-527.01	-115.23	-22.92
411	7	452	1463.97	-70.99	-234.84	-71.11	-234.71	-4.52	100.84	-470.88	-461.50	91.46	-72.64
		621	587.01	-61.18	-164.89	-61.75	-164.32	-7.69	215.46	85.75	100.92	200.28	-41.70
		606	242.36	39.11	-166.87	38.44	-166.20	-11.72	48.73	-7.58	46.94	-5.78	9.90
		82	1340.15	46.29	-232.83	46.29	-232.83	-0.49	-113.51	-516.59	-515.49	-114.61	-21.04
411	8	452	1220.40	-81.55	-195.40	-82.54	-194.41	-10.61	85.29	-398.38	-389.52	76.43	-64.87
		621	477.50	-71.69	-139.67	-74.33	-137.02	-13.14	176.83	66.70	87.02	156.52	-42.72
		606	240.56	16.01	-140.39	14.25	-138.63	-16.48	35.67	-28.90	33.05	-26.28	-12.74
		82	1137.57	21.48	-193.05	21.23	-192.80	-7.28	-102.79	-447.06	-443.49	-106.36	-34.89
411	9	452	1234.10	-63.40	-167.22	-64.56	-166.06	-10.88	66.80	-417.08	-407.95	57.67	-65.85
		621	422.72	-54.86	-121.28	-57.48	-118.66	-12.94	154.19	43.90	58.37	139.72	-37.23
		606	186.03	20.85	-121.78	19.09	-120.02	-15.72	19.29	-23.76	18.80	-23.27	-4.59
		82	1143.44	25.49	-165.04	25.15	-164.70	-8.09	-102.13	-450.71	-447.52	-105.32	-33.21
411	10	452	1099.64	-59.26	-169.22	-60.06	-168.43	-9.31	69.84	-361.64	-353.72	61.92	-57.90
		621	407.73	-51.27	-118.71	-53.35	-116.63	-11.66	149.59	49.22	64.08	134.73	-35.64
		606	182.81	19.77	-119.54	18.22	-117.99	-14.61	23.66	-19.83	22.58	-18.76	-6.76
		82	1017.87	24.02	-167.28	23.81	-167.07	-6.36	-88.82	-397.96	-395.22	-91.56	-29.01
411	11	452	1062.81	-46.96	-167.11	-47.17	-166.90	-5.02	69.10	-344.53	-337.55	62.12	-53.27
		621	411.65	-40.01	-117.33	-40.70	-116.64	-7.30	150.14	54.54	64.86	139.83	-29.66
		606	162.35	28.97	-118.66	28.27	-117.95	-10.17	30.46	-5.45	29.10	-4.10	6.84
		82	971.44	33.68	-165.61	33.65	-165.59	-2.16	-80.84	-374.26	-373.30	-81.80	-16.77
412	1	82	1880.92	25.81	-273.94	25.77	-273.90	-3.61	-99.72	-726.75	-651.01	-175.46	-204.34
		606	342.34	40.04	-185.83	39.00	-184.79	-15.31	-16.73	-97.08	-40.46	-73.35	-36.66
		622	796.35	-113.82	-187.65	-115.97	-185.50	-12.42	299.26	148.52	150.85	296.93	-18.60
		457	1835.16	-104.25	-273.43	-104.50	-273.18	-6.49	244.13	-509.01	-459.70	194.82	-186.29
412	2	82	1723.63	24.33	-238.41	24.21	-238.28	5.82	-91.82	-665.13	-595.34	-161.62	-187.46
		606	316.49	37.46	-154.96	37.32	-154.83	-5.06	-8.19	-89.25	-26.91	-70.53	-34.16
		622	718.17	-116.75	-155.74	-116.90	-155.59	-2.43	271.88	142.61	146.09	268.39	-20.93
		457	1683.28	-105.35	-237.60	-105.43	-237.52	3.19	224.26	-469.29	-422.34	177.30	-174.24
412	3	82	1647.84	25.15	-263.64	25.15	-263.64	-0.21	-76.92	-629.05	-560.38	-145.58	-182.20
		606	316.02	38.51	-178.30	37.90	-177.68	-11.51	-3.86	-81.79	-23.88	-61.77	-34.04
		622	722.47	-110.27	-179.49	-111.38	-178.37	-8.72	269.14	139.77	144.43	264.48	-24.10
		457	1630.97	-100.28	-263.01	-100.34	-262.95	-3.00	228.49	-439.89	-392.07	180.67	-172.26
412	4	82	1492.23	44.97	-253.28	39.11	-247.43	41.37	-71.87	-555.78	-506.77	-120.88	-145.99
		606	200.70	55.79	-143.53	52.09	-139.82	26.91	-1.83	-42.50	-7.92	-36.41	-14.52
		622	684.69	-81.59	-156.32	-97.62	-140.29	30.68	260.68	139.13	139.17	260.64	2.14
		457	1482.29	-78.40	-255.35	-86.78	-246.96	37.60	205.76	-389.26	-359.67	176.17	-129.33
412	5	82	1504.73	43.10	-253.58	38.23	-248.71	37.69	-73.14	-562.02	-511.80	-123.36	-148.42
		606	206.55	53.95	-146.48	51.13	-143.66	23.60	-3.10	-44.93	-9.78	-38.26	-15.32
		622	689.43	-85.27	-156.77	-97.89	-144.15	27.26	261.81	139.50	139.52	261.79	1.43
		457	1492.86	-80.18	-255.12	-87.08	-248.22	34.03	207.13	-392.93	-362.50	176.69	-131.67
412	6	82	1520.84	43.37	-268.52	39.26	-264.41	35.54	-70.08	-565.42	-514.33	-121.17	-150.65
		606	207.47	54.26	-157.90	52.17	-155.82	20.93	-3.60	-43.76	-11.54	-35.82	-16.00
		622	708.08	-87.70	-165.20	-96.64	-156.26	24.75	267.08	140.09	140.10	267.08	0.74
		457	1514.81	-80.40	-269.45	-85.88	-263.97	31.72	212.88	-393.85	-362.69	181.72	-133.92
412	7	82	1488.08	43.12	-259.07	38.50	-254.45	37.08	-70.00	-553.84	-503.84	-119.99	-147.27

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		606	205.91	53.92	-150.26	51.36	-147.70	22.74	-1.99	-42.89	-8.53	-36.34	-14.99
		622	691.28	-85.74	-159.39	-96.97	-148.16	26.48	261.59	140.14	140.15	261.58	1.12
		457	1481.13	-79.85	-260.37	-86.23	-253.99	33.34	208.46	-385.68	-355.15	177.94	-131.16
412	8	82	1288.12	18.04	-210.69	17.99	-210.65	-3.23	-61.26	-493.24	-437.80	-116.70	-144.48
		606	254.33	29.42	-143.30	28.57	-142.44	-12.14	-4.72	-63.43	-15.65	-52.49	-22.85
		622	575.48	-93.64	-145.06	-95.65	-143.05	-9.97	213.38	120.08	123.39	210.06	-17.27
		457	1273.04	-86.18	-210.28	-86.42	-210.04	-5.40	185.68	-338.58	-298.76	145.85	-138.90
412	9	82	1278.11	20.45	-187.12	20.38	-187.05	3.87	-66.45	-490.92	-441.25	-116.13	-136.45
		606	221.90	29.52	-123.31	29.39	-123.17	-4.57	-8.22	-62.94	-25.34	-45.82	-25.37
		622	543.13	-75.62	-123.75	-75.74	-123.62	-2.46	204.54	99.25	100.63	203.16	-11.97
		457	1252.12	-67.97	-186.63	-68.00	-186.60	1.75	164.41	-346.84	-315.28	132.85	-123.04
412	10	82	1148.65	20.20	-181.51	20.04	-181.35	5.75	-53.81	-436.62	-390.90	-99.53	-124.15
		606	207.51	28.82	-119.27	28.78	-119.23	-2.46	-1.16	-54.36	-16.13	-39.38	-23.92
		622	501.83	-73.19	-119.67	-73.19	-119.66	-0.40	187.63	94.57	97.06	185.13	-15.03
		457	1138.28	-65.57	-181.04	-65.69	-180.92	3.69	155.64	-308.36	-277.70	124.99	-115.25
412	11	82	1078.19	30.96	-184.86	27.88	-181.78	25.62	-49.92	-401.36	-365.32	-85.96	-106.62
		606	145.37	38.37	-108.75	36.71	-107.08	15.56	-1.16	-33.08	-9.28	-24.96	-13.90
		622	493.72	-58.26	-114.12	-65.00	-107.38	18.19	186.59	94.64	94.66	186.57	-1.23
		457	1074.14	-53.53	-185.61	-57.66	-181.48	22.98	147.18	-282.99	-261.38	125.58	-93.95
413	1	457	1472.71	-101.57	-234.94	-109.84	-226.67	32.16	86.96	-491.12	-482.71	78.56	-69.19
		622	531.35	-92.85	-227.01	-101.26	-218.59	32.52	169.67	54.62	61.59	162.71	-27.44
		607	310.78	8.62	-224.10	4.29	-219.77	31.47	28.28	-44.41	28.01	-44.14	-4.39
		93	1324.11	17.27	-230.04	12.73	-225.50	33.21	-122.88	-521.70	-516.28	-128.30	-46.15
413	2	457	1358.25	-94.24	-196.50	-109.66	-181.08	36.59	79.92	-459.20	-452.04	72.76	-61.75
		622	490.99	-87.07	-197.08	-101.76	-182.40	37.42	161.96	62.08	71.24	152.80	-28.82
		607	320.53	3.99	-190.64	-3.25	-183.40	36.82	27.20	-59.77	26.67	-59.24	-6.78
		93	1242.09	11.91	-187.28	4.70	-180.08	37.18	-134.93	-500.97	-496.61	-139.28	-39.70
413	3	457	1310.10	-93.18	-212.99	-103.34	-202.83	33.38	88.52	-429.52	-421.49	80.49	-63.98
		622	520.16	-86.15	-220.01	-95.74	-210.42	34.52	168.17	62.75	74.49	156.44	-33.15
		607	326.90	5.23	-216.75	-0.18	-211.34	34.23	32.50	-53.07	30.75	-51.32	-12.09
		93	1181.00	12.87	-207.20	7.59	-201.92	33.67	-121.90	-470.59	-465.23	-127.27	-42.92
413	4	457	1242.89	-36.72	-235.19	-88.58	-183.34	87.19	96.96	-395.41	-394.44	95.99	-21.84
		622	497.28	-20.58	-199.75	-82.60	-137.72	85.24	175.20	85.42	85.56	175.05	-3.60
		607	313.05	26.71	-180.25	-14.65	-138.89	82.76	33.38	-48.10	24.97	-39.68	24.80
		93	1124.65	28.59	-220.33	-9.56	-182.17	89.67	-118.61	-455.16	-455.03	-118.74	6.56
413	5	457	1247.84	-41.67	-234.01	-89.00	-186.68	82.84	96.18	-397.44	-396.26	94.99	-24.15
		622	499.20	-27.07	-200.76	-82.90	-144.93	81.12	174.42	83.96	84.18	174.20	-4.44
		607	310.20	23.71	-182.65	-12.86	-146.08	78.80	33.85	-46.29	25.95	-38.39	23.89
		93	1126.83	26.62	-219.72	-7.57	-185.53	85.17	-117.54	-454.53	-454.48	-117.59	4.18
413	6	457	1262.06	-44.24	-244.67	-87.63	-201.28	82.55	100.02	-396.86	-395.46	98.62	-26.36
		622	516.02	-30.55	-209.53	-81.50	-158.57	80.77	178.01	83.06	83.39	177.68	-5.62
		607	306.40	22.42	-193.48	-11.33	-159.73	78.40	34.41	-41.61	26.95	-34.15	22.61
		93	1129.85	25.87	-232.03	-6.03	-200.12	84.91	-113.20	-451.91	-451.90	-113.21	1.88
413	7	457	1236.63	-41.55	-238.16	-87.94	-191.77	83.48	98.41	-390.09	-388.87	97.19	-24.35
		622	505.60	-27.13	-203.81	-81.87	-149.06	81.70	175.84	85.52	85.83	175.53	-5.32
		607	307.99	23.83	-186.38	-12.33	-150.21	79.34	34.67	-43.87	27.35	-36.55	22.83
		93	1112.47	26.81	-224.51	-7.09	-190.61	85.84	-114.84	-447.39	-447.35	-114.89	3.79
413	8	457	1016.34	-81.20	-170.16	-88.85	-162.52	24.94	73.73	-330.76	-323.86	66.82	-52.39
		622	427.11	-75.42	-180.27	-82.40	-173.28	26.14	139.37	57.39	69.53	127.23	-29.12
		607	280.21	3.06	-177.86	-0.78	-174.02	26.08	34.09	-43.33	32.18	-41.42	-12.02
		93	916.88	9.54	-165.43	5.89	-161.78	24.99	-97.11	-365.92	-361.21	-101.82	-35.28
413	9	457	1013.09	-61.86	-161.54	-71.29	-152.11	29.18	60.14	-336.67	-332.12	55.59	-42.25
		622	362.32	-55.82	-150.67	-65.77	-140.71	29.07	116.99	38.61	41.75	113.86	-15.36
		607	205.06	6.61	-146.86	1.27	-141.52	28.12	16.04	-30.71	16.01	-30.68	1.22
		93	911.27	12.13	-156.85	6.57	-151.30	30.13	-86.52	-360.28	-357.85	-88.95	-25.67
413	10	457	922.55	-56.82	-149.73	-67.68	-138.86	29.86	60.98	-302.42	-298.11	56.66	-39.36
		622	355.18	-51.90	-146.98	-62.71	-136.17	30.18	115.53	43.76	48.91	110.37	-18.54
		607	211.40	4.98	-143.04	-1.22	-136.83	29.66	17.71	-34.85	17.53	-34.67	-3.06
		93	831.63	9.95	-144.43	3.72	-138.20	30.38	-86.03	-331.83	-329.48	-88.38	-23.88
413	11	457	896.40	-28.97	-167.98	-58.95	-138.00	57.17	67.70	-284.61	-283.64	66.73	-18.45
		622	353.68	-19.33	-142.83	-54.80	-107.36	55.88	122.33	53.71	53.86	122.17	-3.24
		607	211.19	16.21	-131.78	-7.41	-108.16	54.20	21.11	-30.82	15.42	-25.13	16.22
		93	804.28	18.41	-159.46	-3.85	-137.20	58.85	-80.56	-322.09	-322.08	-80.57	1.01
414	1	93	1500.21	11.60	-185.47	9.80	-183.68	18.71	-86.07	-583.06	-520.13	-149.00	-165.27
		607	319.30	22.82	-191.61	20.81	-189.60	20.66	-11.09	-82.88	-19.19	-74.77	-22.72
		623	654.53	-119.40	-196.36	-124.66	-191.10	19.42	231.94	142.76	146.46	228.24	-17.79
		461	1444.03	-108.14	-187.56	-113.52	-182.18	19.96	200.34	-400.81	-354.48	154.01	-160.34
414	2	93	1423.62	4.88	-126.33	3.63	-125.07	12.76	-96.68	-565.29	-504.55	-157.42	-157.40
		607	329.71	15.91	-151.01	14.12	-149.22	17.19	-8.37	-93.74	-14.56	-87.55	-22.14
		623	581.39	-119.17	-158.13	-126.46	-150.84	15.19	207.81	135.17	140.92	202.06	-19.60
		461	1359.68	-104.20	-134.76	-115.51	-123.45	14.75	177.71	-394.61	-349.08	132.19	-154.87
414	3	93	1358.38	5.85	-133.85	5.08	-133.08	10.35	-83.61	-535.33	-473.44	-145.50	-155.33

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		607	340.84	16.93	-181.50	15.30	-179.87	17.92	-0.29	-88.00	-8.49	-79.80	-25.53
		623	587.16	-120.40	-185.34	-124.05	-181.69	14.95	204.53	131.80	140.73	195.60	-23.87
		461	1295.95	-105.95	-138.26	-112.97	-131.25	13.32	177.01	-371.32	-324.22	129.91	-153.66
414	4	93	1264.94	34.89	-153.37	0.44	-118.92	72.79	-95.38	-493.17	-463.33	-125.22	-104.78
		607	245.69	50.37	-100.21	11.49	-61.33	65.90	-7.00	-68.59	-8.95	-66.64	10.80
		623	485.60	-20.04	-170.07	-127.94	-62.16	67.42	186.52	118.51	119.47	185.57	8.00
		461	1230.00	-46.73	-189.26	-117.90	-118.08	71.27	150.81	-358.73	-334.91	126.99	-107.57
414	5	93	1266.08	31.72	-156.24	1.27	-125.79	69.25	-93.55	-492.77	-461.78	-124.55	-106.84
		607	245.49	45.81	-105.53	12.25	-71.97	62.87	-7.46	-67.30	-9.09	-65.67	9.74
		623	496.34	-30.08	-169.35	-126.59	-72.84	64.24	189.02	120.28	121.07	188.24	7.32
		461	1232.57	-52.73	-188.75	-116.56	-124.93	67.88	153.94	-356.19	-331.61	129.35	-109.25
414	6	93	1268.86	31.81	-166.18	2.45	-136.82	70.37	-89.17	-490.65	-458.86	-120.96	-108.41
		607	244.21	45.12	-117.79	13.49	-86.16	64.44	-7.25	-63.32	-8.56	-62.01	8.47
		623	509.87	-38.20	-175.28	-126.41	-87.07	65.66	191.78	121.61	122.19	191.20	6.36
		461	1238.67	-56.26	-195.93	-116.27	-135.92	69.14	157.41	-353.26	-328.10	132.25	-110.52
414	7	93	1252.12	32.79	-158.54	1.77	-127.52	70.52	-90.89	-485.90	-454.89	-121.90	-106.23
		607	245.18	46.71	-109.43	12.78	-75.49	64.40	-5.67	-65.27	-7.14	-63.79	9.27
		623	497.11	-31.17	-171.79	-126.58	-76.38	65.68	187.98	121.08	121.77	187.30	6.74
		461	1220.36	-52.14	-190.98	-116.49	-126.63	69.23	153.85	-350.64	-325.98	129.19	-108.76
414	8	93	1057.33	3.48	-107.70	3.33	-107.56	3.98	-64.95	-417.79	-366.19	-116.55	-124.67
		607	285.14	12.53	-150.14	11.83	-149.43	10.68	2.43	-70.55	-2.19	-65.93	-17.77
		623	476.63	-103.00	-152.34	-104.36	-150.98	8.08	163.64	114.16	121.71	156.10	-17.78
		461	1010.02	-92.01	-109.10	-95.09	-106.01	6.57	145.56	-282.38	-242.29	105.48	-124.69
414	9	93	1032.42	9.53	-122.34	6.15	-118.97	20.84	-62.34	-401.16	-361.93	-101.57	-108.41
		607	203.16	17.03	-118.31	13.67	-114.96	21.05	-9.25	-55.17	-13.74	-50.68	-13.64
		623	434.45	-74.66	-126.13	-84.90	-115.89	20.54	156.11	93.46	95.26	154.31	-10.47
		461	997.63	-68.28	-127.18	-77.43	-118.03	21.34	132.18	-281.70	-252.94	103.41	-105.25
414	10	93	953.30	6.23	-93.55	3.53	-90.85	16.19	-61.12	-374.51	-336.00	-99.63	-102.89
		607	214.47	13.70	-112.64	10.61	-109.55	19.52	-3.20	-58.07	-7.80	-53.47	-15.20
		623	396.65	-75.33	-119.90	-84.56	-110.67	18.07	140.17	88.09	92.08	136.18	-13.85
		461	914.98	-64.69	-102.17	-77.12	-89.73	17.65	119.05	-265.15	-236.12	90.02	-101.54
414	11	93	904.52	23.19	-114.06	2.07	-92.93	49.53	-63.66	-350.23	-327.89	-86.00	-76.82
		607	163.36	32.48	-80.36	9.60	-57.49	45.36	-7.46	-43.97	-7.83	-43.59	3.69
		623	353.33	-23.71	-120.26	-85.87	-58.10	46.24	133.90	81.61	81.78	133.73	2.94
		461	884.47	-36.53	-134.76	-78.96	-92.32	48.66	108.67	-255.63	-238.28	91.33	-77.57
415	1	461	1162.97	-81.33	-172.61	-111.34	-142.60	42.88	70.52	-392.93	-387.51	65.11	-49.79
		623	484.05	-86.15	-225.66	-104.28	-207.53	46.91	153.19	78.27	91.15	140.32	-28.26
		608	362.83	8.08	-219.05	-3.06	-207.92	49.04	40.25	-59.79	40.00	-59.54	-4.97
		96	1079.22	15.68	-152.73	5.16	-142.22	40.75	-132.45	-440.95	-438.65	-134.75	-26.50
415	2	461	1154.23	-72.74	-133.73	-114.07	-92.40	28.51	54.18	-390.17	-385.20	49.21	-46.73
		623	431.02	-93.24	-188.74	-106.92	-175.06	33.46	139.65	75.38	91.38	123.64	-27.79
		608	373.75	5.17	-182.62	-2.14	-175.31	36.32	37.27	-74.46	37.06	-74.25	-4.85
		96	1058.96	12.75	-98.41	6.48	-92.14	25.64	-146.75	-441.45	-439.51	-148.68	-23.79
415	3	461	1090.32	-71.78	-130.03	-107.58	-94.23	28.35	56.93	-366.67	-361.04	51.30	-48.53
		623	456.34	-90.59	-217.06	-101.03	-206.62	34.80	145.18	74.85	96.22	123.82	-32.34
		608	395.78	6.87	-213.67	-0.24	-206.56	38.94	41.08	-73.10	40.40	-72.43	-8.78
		96	1005.84	13.73	-99.71	8.31	-94.29	24.21	-142.67	-419.13	-416.85	-144.94	-24.97
415	4	461	1150.58	-25.91	-181.00	-127.38	-79.53	73.76	60.00	-377.80	-377.71	59.91	-6.40
		623	349.39	-3.86	-165.89	-120.36	-49.39	72.83	128.39	83.25	83.85	127.80	5.15
		608	315.35	30.26	-112.97	-32.18	-50.53	71.03	25.42	-80.74	20.09	-75.42	23.17
		96	1056.52	27.99	-132.07	-25.68	-78.40	75.56	-142.86	-441.92	-441.47	-143.31	11.63
415	5	461	1137.73	-31.10	-181.16	-125.17	-87.09	72.57	61.97	-373.71	-373.56	61.82	-8.06
		623	359.40	-12.90	-167.29	-118.21	-61.99	71.89	130.07	84.49	84.82	129.75	3.83
		608	315.68	25.63	-118.80	-30.09	-63.08	70.31	27.07	-77.29	22.07	-72.29	22.28
		96	1042.00	25.68	-135.24	-23.56	-86.00	74.16	-139.85	-436.67	-436.30	-140.22	10.39
415	6	461	1127.68	-32.67	-185.86	-123.80	-94.73	75.20	64.57	-370.00	-369.80	64.36	-9.37
		623	372.01	-18.07	-173.50	-116.97	-74.60	74.77	132.43	85.84	85.97	132.31	2.45
		608	318.68	24.13	-129.65	-29.89	-75.64	73.40	28.00	-74.61	23.38	-69.99	21.28
		96	1032.23	25.71	-142.80	-23.39	-93.70	76.57	-137.63	-432.70	-432.40	-137.94	9.46
415	7	461	1124.60	-28.82	-182.48	-124.51	-86.79	74.48	62.75	-368.41	-368.26	62.60	-8.04
		623	363.51	-12.18	-169.44	-117.65	-63.97	73.91	130.33	86.45	86.65	130.13	2.98
		608	317.32	26.67	-122.23	-30.53	-65.03	72.42	27.61	-76.99	22.97	-72.35	21.53
		96	1032.08	27.09	-136.87	-24.06	-85.73	75.96	-139.50	-432.32	-431.94	-139.88	10.51
415	8	461	839.40	-60.24	-105.96	-89.81	-76.39	21.85	49.40	-278.12	-273.04	44.32	-40.47
		623	389.57	-76.70	-183.25	-84.35	-175.59	27.52	125.67	65.30	88.37	102.61	-29.33
		608	337.27	5.73	-180.87	0.36	-175.50	31.20	41.74	-57.90	40.86	-57.02	-9.32
		96	773.24	11.34	-80.24	7.58	-76.48	18.17	-113.28	-322.56	-320.54	-115.30	-20.46
415	9	461	823.70	-50.05	-118.13	-77.57	-90.61	33.41	45.75	-279.27	-276.66	43.15	-28.96
		623	310.82	-54.22	-140.70	-72.76	-122.16	35.49	99.74	53.06	58.02	94.78	-14.38
		608	236.92	4.96	-132.93	-5.45	-122.52	36.42	21.89	-44.46	21.88	-44.45	0.81
		96	762.11	10.41	-100.73	-0.07	-90.24	32.48	-95.21	-313.67	-312.80	-96.09	-13.77
415	10	461	782.82	-43.60	-95.62	-75.48	-63.73	25.34	38.14	-264.62	-261.96	35.47	-28.26

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		623	294.85	-57.96	-134.65	-70.96	-121.65	28.77	93.98	52.47	60.83	85.62	-16.65
		608	253.48	3.69	-129.34	-3.88	-121.77	30.81	22.13	-51.63	22.10	-51.61	-1.31
		96	721.67	9.14	-71.07	1.68	-63.61	23.30	-100.91	-301.52	-300.68	-101.75	-12.92
415	11	461	806.40	-21.87	-126.63	-84.50	-64.01	51.37	42.87	-266.96	-266.83	42.73	-6.51
		623	249.31	-10.71	-117.41	-79.81	-48.31	50.98	90.54	54.94	55.14	90.33	2.68
		608	219.40	17.28	-86.67	-20.35	-49.03	49.96	16.21	-53.82	12.65	-50.25	15.39
		96	737.97	17.88	-97.10	-15.93	-63.29	52.39	-97.67	-309.50	-309.32	-97.86	6.21
416	1	96	1245.20	1.72	-124.57	-1.68	-121.17	20.44	-89.38	-494.59	-441.99	-141.98	-136.20
		608	337.77	11.26	-167.88	7.12	-163.74	26.90	3.58	-86.12	0.96	-83.50	-15.11
		624	564.42	-109.19	-175.89	-119.79	-165.29	24.39	194.74	137.68	143.49	188.93	-17.25
		465	1208.88	-91.53	-138.37	-110.28	-119.62	22.95	171.12	-340.13	-299.46	130.45	-138.34
416	2	96	1221.30	-2.80	-82.67	-2.89	-82.58	2.64	-101.02	-496.44	-444.02	-153.43	-134.09
		608	356.64	6.25	-141.15	5.42	-140.32	11.04	2.49	-98.53	0.10	-96.13	-15.37
		624	524.16	-113.86	-144.19	-116.11	-141.94	7.95	183.46	131.44	139.29	175.61	-18.62
		465	1214.61	-79.74	-108.07	-106.86	-80.95	5.73	158.98	-345.49	-304.83	118.31	-137.33
416	3	96	1167.07	-4.30	-70.98	-4.31	-70.97	0.86	-95.55	-475.29	-421.96	-148.89	-131.94
		608	379.94	4.80	-172.24	3.56	-171.00	14.78	8.89	-97.33	5.64	-94.08	-18.30
		624	523.03	-114.43	-174.68	-116.13	-172.98	9.99	177.71	126.39	138.35	165.74	-21.70
		465	1168.40	-68.16	-107.46	-106.63	-68.99	5.66	152.41	-330.72	-289.24	110.94	-135.34
416	4	96	1167.25	4.79	-83.62	-13.27	-65.57	35.64	-116.65	-477.34	-447.63	-146.35	-99.16
		608	265.09	34.05	-21.52	-4.37	16.90	25.67	-11.01	-102.57	-14.09	-99.49	16.50
		624	408.20	22.16	-125.88	-120.25	16.53	28.30	159.91	120.02	120.44	159.49	4.08
		465	1164.35	-48.28	-129.60	-112.67	-65.20	33.02	140.09	-340.58	-313.10	112.62	-111.58
416	5	96	1158.40	4.86	-88.73	-12.28	-71.59	36.20	-113.22	-472.13	-442.00	-143.34	-99.53
		608	260.76	27.52	-27.30	-3.38	3.61	27.19	-9.53	-99.32	-12.34	-96.51	15.61
		624	416.47	9.89	-126.71	-120.01	3.18	29.51	161.18	121.37	121.71	160.84	3.65
		465	1151.16	-52.10	-131.36	-112.30	-71.15	33.87	141.66	-335.60	-307.96	114.01	-111.50
416	6	96	1152.72	6.12	-93.35	-12.52	-74.71	38.82	-110.82	-468.50	-438.05	-141.27	-99.82
		608	263.68	25.51	-36.16	-3.63	-7.01	30.79	-8.41	-97.02	-10.96	-94.48	14.79
		624	422.12	1.30	-129.63	-120.82	-7.52	32.81	161.34	122.17	122.43	161.08	3.13
		465	1141.58	-52.01	-135.20	-113.01	-74.21	36.80	142.11	-332.49	-304.67	114.30	-111.48
416	7	96	1148.18	6.26	-87.01	-12.76	-67.99	37.58	-112.80	-468.12	-437.99	-142.92	-98.97
		608	262.42	28.98	-29.61	-3.88	3.24	29.08	-8.21	-99.10	-10.86	-96.45	15.30
		624	414.57	10.24	-128.07	-120.61	2.77	31.25	159.18	121.73	122.03	158.88	3.35
		465	1141.78	-48.15	-132.24	-112.87	-67.52	35.41	140.05	-332.74	-305.10	112.41	-110.93
416	8	96	900.80	-3.72	-57.53	-3.75	-57.50	-1.31	-73.64	-367.42	-323.06	-118.01	-105.19
		608	318.94	3.68	-147.25	2.87	-146.44	11.02	12.23	-77.55	10.51	-75.83	-12.31
		624	429.37	-97.27	-149.06	-98.17	-148.15	6.79	142.91	108.75	119.61	132.05	-15.90
		465	903.03	-55.55	-90.35	-90.11	-55.79	2.91	124.80	-248.90	-213.96	89.87	-108.79
416	9	96	875.82	1.24	-79.84	-2.29	-76.31	16.55	-67.32	-349.75	-316.34	-100.74	-91.22
		608	218.08	7.38	-93.19	3.70	-89.51	18.87	-2.17	-61.55	-3.37	-60.36	-8.34
		624	370.50	-67.40	-104.20	-81.19	-90.41	17.81	131.59	90.72	93.68	128.63	-10.58
		465	851.24	-57.57	-92.80	-74.97	-75.41	17.61	114.42	-245.46	-219.29	88.25	-93.46
416	10	96	832.42	-3.05	-49.13	-3.76	-48.42	5.68	-70.88	-338.90	-305.21	-104.57	-88.86
		608	240.77	3.25	-95.06	1.72	-93.54	12.14	0.76	-67.76	-0.77	-66.24	-10.11
		624	347.41	-74.41	-99.43	-79.16	-94.68	9.81	121.33	85.24	90.82	115.75	-13.05
		465	832.46	-44.99	-75.23	-72.94	-47.28	8.00	103.95	-240.15	-213.62	77.41	-91.79
416	11	96	825.47	4.67	-63.48	-8.31	-50.50	26.76	-78.91	-335.59	-314.15	-100.34	-71.01
		608	177.90	18.68	-23.39	-2.27	-2.44	21.03	-8.80	-67.64	-9.99	-66.46	8.27
		624	290.44	3.19	-87.71	-81.76	-2.76	22.49	113.18	81.96	81.97	113.16	0.75
		465	819.45	-34.81	-91.85	-76.48	-50.18	25.30	98.51	-241.42	-222.19	79.28	-78.54
417	1	465	1019.66	-59.18	-147.30	-106.30	-100.18	43.95	75.77	-329.61	-328.05	74.21	-25.13
		624	456.82	-77.84	-206.57	-100.03	-184.39	48.62	146.24	85.07	100.31	131.00	-26.46
		610	311.40	11.20	-198.09	-2.32	-184.57	51.45	29.84	-58.15	26.83	-55.14	-15.99
		99	985.91	19.44	-114.16	5.28	-100.00	41.12	-111.20	-402.27	-401.53	-111.94	-14.66
417	2	465	1031.17	-59.55	-117.62	-102.76	-74.42	25.34	66.36	-335.98	-334.52	64.90	-24.22
		624	426.44	-86.02	-186.63	-96.59	-176.05	30.86	138.50	81.18	97.82	121.86	-26.02
		610	321.78	8.23	-182.51	1.82	-176.10	34.38	26.50	-64.93	23.66	-62.10	-15.85
		99	993.92	14.92	-79.71	9.59	-74.38	21.82	-118.38	-409.36	-408.68	-119.06	-14.05
417	3	465	990.42	-47.45	-107.64	-97.32	-57.78	22.69	62.57	-321.74	-320.14	60.97	-24.76
		624	438.00	-84.65	-216.86	-92.14	-209.37	30.57	138.58	79.48	100.98	117.08	-28.43
		610	356.35	4.79	-215.03	-1.32	-208.92	36.12	28.71	-69.47	25.46	-66.22	-17.57
		99	952.48	10.52	-62.50	6.25	-58.23	17.14	-121.62	-396.36	-395.66	-122.33	-13.89
417	4	465	1077.85	-31.52	-143.03	-126.45	-48.10	39.67	61.53	-345.34	-345.33	61.52	-2.12
		624	307.48	13.30	-128.52	-117.50	2.28	37.97	115.93	83.01	83.04	115.90	-0.86
		610	210.74	36.12	-34.54	0.81	0.77	35.33	14.69	-66.94	14.18	-66.43	6.43
		99	997.64	31.82	-69.42	8.99	-46.59	42.31	-120.72	-414.28	-414.19	-120.81	5.17
417	5	465	1064.21	-33.29	-143.56	-124.77	-52.09	41.47	63.23	-340.19	-340.18	63.22	-2.44
		624	316.97	3.10	-129.61	-116.06	-10.45	40.18	117.58	84.78	84.86	117.49	-1.68
		610	217.51	32.34	-44.34	-0.14	-11.86	37.89	16.00	-65.58	15.56	-65.14	5.98
		99	986.57	31.28	-74.03	7.93	-50.68	43.75	-119.32	-409.58	-409.48	-119.42	5.23
417	6	465	1056.30	-31.83	-145.39	-124.38	-52.84	44.10	63.84	-337.04	-337.02	63.82	-2.71

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		624	323.51	-2.69	-132.32	-115.85	-19.16	43.18	118.25	85.93	86.10	118.07	-2.36
		610	223.70	31.40	-53.24	-1.35	-20.49	41.22	16.73	-65.28	16.35	-64.90	5.58
		99	979.16	32.05	-76.89	6.66	-51.51	46.05	-119.05	-406.86	-406.77	-119.15	5.24
417	7	465	1057.96	-28.68	-143.58	-124.86	-47.40	42.43	62.28	-337.65	-337.63	62.27	-2.22
		624	317.06	4.46	-130.38	-116.23	-9.69	41.33	116.56	85.81	85.94	116.43	-1.98
		610	220.87	33.57	-45.50	-0.87	-11.06	39.20	16.40	-66.84	15.99	-66.44	5.80
		99	979.51	32.47	-71.32	7.19	-46.03	44.55	-120.49	-407.68	-407.58	-120.60	5.57
417	8	465	758.79	-37.78	-90.04	-81.20	-46.61	19.59	53.61	-241.94	-240.50	52.17	-20.57
		624	378.56	-70.66	-186.69	-77.07	-180.29	26.49	121.43	69.02	92.71	97.74	-26.09
		610	306.83	2.47	-185.26	-2.94	-179.84	31.42	30.92	-56.16	27.96	-53.21	-15.76
		99	731.27	7.25	-51.02	3.30	-47.06	14.66	-98.27	-305.75	-305.25	-98.78	-10.24
417	9	465	735.56	-38.81	-98.25	-74.72	-62.34	29.06	49.24	-239.65	-238.93	48.52	-14.39
		624	287.14	-50.82	-121.36	-70.06	-102.12	31.42	93.89	56.61	62.82	87.68	-13.89
		610	196.82	9.19	-111.96	-0.34	-102.42	32.63	14.89	-41.44	13.81	-40.37	-7.70
		99	705.01	15.02	-72.11	4.95	-62.04	27.86	-79.22	-288.26	-287.94	-79.54	-8.20
417	10	465	719.01	-31.08	-77.43	-69.73	-38.79	17.25	41.89	-235.27	-234.54	41.17	-14.18
		624	276.81	-57.82	-123.86	-65.68	-116.00	21.39	88.74	54.40	63.19	79.95	-14.99
		610	221.23	5.02	-120.75	0.22	-115.95	24.11	14.26	-47.73	13.05	-46.52	-8.58
		99	686.65	9.82	-43.17	5.48	-38.83	14.53	-85.01	-284.98	-284.68	-85.31	-7.77
417	11	465	756.36	-22.42	-98.38	-84.76	-36.04	29.14	42.76	-243.93	-243.92	42.75	-1.93
		624	214.10	-0.09	-89.08	-78.85	-10.33	28.39	80.51	54.91	54.92	80.50	-0.50
		610	150.43	22.01	-33.08	0.20	-11.27	26.94	8.33	-46.13	7.99	-45.79	4.28
		99	701.65	22.08	-51.47	5.71	-35.10	30.59	-83.51	-290.89	-290.85	-83.54	2.86
418	1	99	993.29	20.71	-126.12	20.45	-125.85	6.26	-79.22	-388.90	-387.28	-80.84	-22.28
		610	293.92	2.15	-144.50	1.99	-144.34	4.89	8.27	-83.39	-18.60	-56.52	-41.72
		609	334.42	-74.62	-142.33	-74.80	-142.16	3.46	109.83	21.45	49.11	82.18	-40.98
		97	954.41	-90.72	-129.62	-92.30	-128.03	7.69	59.10	-320.80	-319.58	57.87	-21.54
418	2	99	996.05	16.14	-102.78	16.02	-102.66	-3.84	-85.51	-396.18	-394.64	-87.05	-21.83
		610	318.67	-1.37	-143.43	-2.21	-142.58	-10.90	6.30	-89.68	-21.38	-62.00	-43.48
		609	321.69	-74.05	-142.84	-75.68	-141.21	-10.45	107.51	15.86	45.08	78.29	-42.71
		97	979.92	-90.30	-105.38	-91.64	-104.03	-4.29	54.40	-329.33	-328.18	53.24	-21.05
418	3	99	957.71	13.44	-80.49	13.44	-80.48	-0.69	-86.98	-384.75	-382.77	-88.96	-24.16
		610	358.33	-2.73	-178.12	-5.56	-175.30	-22.08	8.85	-93.98	-19.70	-65.43	-46.05
		609	326.43	-73.44	-178.62	-76.27	-175.78	-17.03	104.82	9.39	44.28	69.93	-45.96
		97	954.35	-77.33	-92.33	-89.66	-80.00	-5.74	47.99	-320.37	-318.79	46.41	-24.07
418	4	99	967.54	21.90	-74.50	21.55	-74.14	5.87	-100.52	-391.37	-391.33	-100.56	-3.51
		610	267.85	68.12	-19.76	5.50	42.86	39.77	-10.43	-87.41	-18.55	-79.29	-23.64
		609	219.52	55.16	-81.40	-75.80	49.56	27.08	80.44	28.40	49.17	59.67	-25.49
		97	954.22	-69.29	-110.67	-99.12	-80.84	18.56	38.47	-323.69	-323.61	38.40	-5.35
418	5	99	957.42	22.08	-77.28	21.58	-76.77	7.07	-98.90	-386.73	-386.67	-98.95	-3.93
		610	258.75	58.54	-22.52	5.33	30.69	38.50	-9.15	-86.13	-17.28	-78.01	-23.65
		609	222.07	43.03	-81.73	-75.78	37.08	26.60	80.85	28.94	50.14	59.65	-25.52
		97	941.97	-70.43	-111.45	-98.72	-83.16	18.97	38.80	-319.35	-319.26	38.71	-5.80
418	6	99	951.37	22.66	-78.05	21.79	-77.17	9.35	-98.34	-384.11	-384.04	-98.41	-4.31
		610	255.65	54.28	-25.64	5.40	23.24	38.95	-8.36	-85.93	-16.62	-77.67	-23.93
		609	224.95	36.23	-82.39	-75.56	29.40	27.63	80.97	28.60	50.49	59.09	-25.83
		97	934.89	-68.80	-112.74	-98.22	-83.32	20.67	38.46	-317.05	-316.94	38.35	-6.22
418	7	99	951.12	22.50	-72.78	21.65	-71.94	8.93	-99.88	-384.99	-384.92	-99.94	-4.25
		610	263.80	60.32	-22.98	5.32	32.02	39.45	-8.54	-87.28	-16.75	-79.07	-24.06
		609	223.62	44.72	-82.19	-75.76	38.29	27.83	80.35	27.94	50.32	57.97	-25.93
		97	937.60	-65.46	-111.32	-98.58	-78.21	20.55	37.20	-317.96	-317.85	37.10	-6.12
418	8	99	735.45	9.67	-63.85	9.67	-63.85	-0.38	-67.07	-295.60	-293.44	-69.23	-22.10
		610	297.58	-3.66	-154.33	-6.48	-151.50	-20.43	10.47	-73.64	-10.07	-53.11	-36.13
		609	262.36	-63.12	-154.88	-65.83	-152.18	-15.53	85.47	10.85	43.75	52.57	-37.05
		97	728.02	-61.37	-78.59	-76.78	-63.18	-5.28	38.35	-241.53	-239.62	36.45	-23.01
418	9	99	705.89	15.07	-80.76	14.87	-80.57	4.33	-59.68	-278.47	-277.79	-60.37	-12.21
		610	189.03	3.49	-75.79	2.65	-74.95	8.13	1.89	-59.75	-15.55	-42.30	-27.76
		609	217.18	-48.79	-74.19	-50.12	-72.86	5.65	73.39	13.43	30.46	56.37	-27.04
		97	686.16	-60.68	-84.77	-62.79	-82.66	6.81	38.79	-232.26	-231.78	38.31	-11.48
418	10	99	686.38	10.98	-55.37	10.98	-55.36	0.47	-64.05	-276.11	-275.28	-64.88	-13.25
		610	224.70	-1.02	-92.66	-1.54	-92.15	-6.85	2.23	-65.64	-16.16	-47.25	-30.17
		609	212.83	-50.15	-92.34	-50.94	-91.54	-5.74	70.40	6.94	27.78	49.56	-29.81
		97	685.63	-55.89	-61.40	-61.33	-55.97	-0.65	32.57	-231.97	-231.34	31.94	-12.89
418	11	99	683.62	16.14	-54.05	15.62	-53.52	6.05	-70.10	-276.01	-275.99	-70.13	-2.22
		610	180.53	39.24	-16.55	4.55	18.15	27.05	-7.58	-60.93	-14.45	-54.05	-17.87
		609	154.12	27.13	-55.23	-50.54	22.45	19.07	57.00	17.77	31.22	43.54	-18.62
		97	676.23	-47.33	-76.57	-66.08	-57.82	14.02	27.50	-230.35	-230.31	27.46	-2.97
419	1	97	1320.64	-26.85	-167.44	-97.75	-96.54	70.29	194.91	-361.86	-361.86	194.91	-0.19
		609	1267.07	-81.07	-225.96	-125.38	-181.65	66.76	487.69	179.03	218.14	448.58	-102.67
		632	557.21	0.43	-193.75	-17.86	-175.46	56.72	189.59	169.94	173.93	185.60	7.91
		575	1174.89	14.31	-157.87	-40.83	-102.73	80.33	-35.22	-438.93	-406.07	-68.08	110.39
419	2	97	1348.00	-28.03	-148.10	-100.70	-75.43	58.69	190.78	-371.36	-371.36	190.77	-0.94

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		609	1264.08	-98.03	-218.15	-129.65	-186.53	52.90	487.94	177.10	216.36	448.68	-103.26
		632	558.17	-10.14	-189.31	-19.97	-179.48	40.80	190.57	167.95	172.66	185.87	9.18
		575	1194.02	10.90	-136.15	-42.77	-82.48	70.79	-38.98	-448.12	-415.06	-72.04	111.51
419	3	97	1323.22	-11.83	-138.01	-104.85	-44.99	55.54	181.22	-362.51	-362.46	181.17	-4.99
		609	1253.09	-116.28	-235.92	-135.99	-216.21	44.38	478.04	171.90	213.85	436.09	-105.27
		632	555.25	-20.93	-211.40	-25.02	-207.30	27.63	180.91	167.39	170.70	177.60	5.81
		575	1164.54	22.15	-122.61	-46.57	-53.89	72.29	-46.02	-436.91	-405.61	-77.32	106.10
419	4	97	1319.36	6.44	-153.79	-88.66	-58.69	78.70	176.53	-368.35	-367.96	176.13	14.66
		609	1141.08	38.21	-159.88	-109.11	-12.56	86.48	470.02	192.64	223.34	439.32	-87.03
		632	519.35	74.21	-99.72	-14.75	-10.76	86.94	205.83	150.53	179.77	176.59	27.61
		575	1225.67	29.78	-128.30	-38.03	-60.49	78.24	-41.43	-456.69	-411.52	-86.60	129.29
419	5	97	1306.80	5.28	-154.84	-89.19	-60.37	78.75	176.27	-363.83	-363.45	175.90	14.25
		609	1142.45	29.47	-162.73	-110.04	-23.23	85.74	468.42	192.47	223.36	437.54	-87.00
		632	513.58	67.37	-103.72	-15.20	-21.15	85.49	204.95	150.94	179.84	176.05	26.94
		575	1214.04	29.50	-130.31	-38.36	-62.45	79.00	-40.72	-451.84	-406.97	-85.59	128.19
419	6	97	1300.34	7.27	-155.85	-89.33	-59.26	80.16	175.64	-361.51	-361.15	175.28	13.79
		609	1143.81	25.84	-165.39	-110.45	-29.10	86.53	467.46	192.13	223.34	436.25	-87.28
		632	509.83	64.85	-107.02	-15.37	-26.80	85.74	203.94	151.05	179.78	175.22	26.35
		575	1208.54	31.79	-131.76	-38.41	-61.56	80.95	-41.10	-449.37	-404.72	-85.75	127.42
419	7	97	1302.84	9.72	-153.91	-89.31	-54.88	79.98	174.57	-362.48	-362.12	174.21	13.86
		609	1138.90	31.67	-163.18	-110.27	-21.24	86.66	466.96	192.09	223.42	435.62	-87.36
		632	511.52	68.94	-103.38	-15.39	-19.05	86.14	203.69	150.48	179.82	174.35	26.46
		575	1211.01	33.26	-128.81	-38.47	-57.07	80.50	-42.22	-450.58	-405.73	-87.06	127.68
419	8	97	1033.38	-8.85	-117.55	-90.59	-35.81	46.95	150.06	-274.58	-274.49	149.97	-6.13
		609	1031.46	-101.77	-203.06	-117.90	-186.92	37.07	391.67	142.84	180.64	353.87	-89.31
		632	459.61	-17.64	-182.17	-20.72	-179.09	22.31	144.39	142.71	143.51	143.59	-0.84
		575	901.22	20.14	-103.34	-39.56	-43.64	61.70	-35.74	-336.19	-311.62	-60.31	82.34
419	9	97	937.33	-14.15	-111.47	-64.27	-61.34	48.63	131.29	-261.87	-261.85	131.28	2.48
		609	858.38	-43.02	-140.44	-81.71	-101.76	47.67	335.06	124.43	149.00	310.49	-67.62
		632	373.40	5.22	-115.49	-12.08	-98.19	42.30	135.32	112.27	119.50	128.08	10.70
		575	843.46	11.06	-103.30	-27.33	-64.91	54.01	-26.48	-316.00	-291.35	-51.13	80.80
419	10	97	938.47	-6.30	-94.62	-68.22	-32.70	40.44	123.65	-262.19	-262.19	123.65	-0.18
		609	850.65	-65.29	-143.26	-87.60	-120.96	35.24	329.62	120.55	146.61	303.55	-69.06
		632	372.92	-9.63	-122.31	-16.06	-115.88	26.13	130.65	110.69	117.71	123.64	9.53
		575	837.60	15.52	-83.82	-30.52	-37.78	49.54	-32.49	-314.87	-291.10	-56.26	78.41
419	11	97	926.38	4.83	-105.06	-59.60	-40.63	54.12	120.65	-261.74	-261.46	120.38	10.25
		609	789.59	19.87	-110.29	-73.41	-17.01	58.66	323.92	131.61	151.89	303.64	-59.07
		632	357.88	45.32	-71.62	-10.70	-15.60	58.42	143.47	101.59	122.75	122.32	20.94
		575	862.02	20.93	-88.95	-25.99	-42.04	54.35	-29.72	-321.83	-290.60	-60.95	90.26
420	1	575	867.82	-24.59	-116.62	-49.14	-92.06	40.71	16.69	-314.64	-314.22	16.27	11.90
		632	336.83	-33.38	-154.39	-49.14	-138.62	40.73	107.88	46.24	69.89	84.22	-29.97
		612	266.52	-17.38	-152.31	-31.07	-138.62	40.73	42.57	-51.02	36.72	-45.17	-22.65
		157	838.67	-10.70	-112.43	-31.07	-92.06	40.71	-111.56	-348.95	-347.39	-113.13	19.22
420	2	575	885.98	-30.56	-95.33	-45.78	-80.10	27.46	12.26	-323.63	-323.19	11.83	12.12
		632	327.99	-39.07	-158.50	-45.78	-151.79	27.51	105.28	44.00	67.83	81.46	-29.87
		612	281.91	-22.06	-157.62	-27.89	-151.79	27.51	40.27	-53.32	34.63	-47.68	-22.27
		157	856.28	-16.10	-91.89	-27.89	-80.10	27.46	-115.69	-358.00	-356.38	-117.31	19.72
420	3	575	860.64	-29.28	-68.14	-45.45	-51.97	19.15	4.13	-315.16	-314.85	3.81	10.04
		632	328.02	-42.92	-191.57	-45.45	-189.04	19.23	102.17	39.28	68.72	72.73	-31.38
		612	328.48	-27.30	-191.33	-29.59	-189.04	19.23	41.82	-60.42	35.99	-54.58	-23.72
		157	833.55	-18.60	-62.96	-29.59	-51.97	19.15	-122.11	-348.97	-347.58	-123.50	17.70
420	4	575	915.02	-12.12	-92.46	-54.01	-50.58	40.13	7.00	-329.21	-326.23	4.02	31.51
		632	219.36	57.83	-68.37	-54.01	43.46	40.08	82.22	60.26	68.00	74.48	-10.49
		612	259.99	60.93	-48.48	-31.01	43.46	40.08	34.79	-55.54	34.71	-55.45	-2.74
		157	886.41	0.52	-82.10	-31.01	-50.58	40.13	-119.49	-365.95	-359.53	-125.91	39.26
420	5	575	904.12	-12.84	-93.66	-54.05	-52.45	40.40	7.81	-324.90	-321.95	4.86	31.19
		632	223.44	48.12	-69.98	-54.05	32.18	40.35	82.82	60.67	68.75	74.75	-10.66
		612	253.64	51.77	-50.94	-31.36	32.18	40.35	35.68	-54.74	35.58	-54.64	-2.96
		157	876.06	-0.15	-83.66	-31.36	-52.45	40.40	-118.14	-361.50	-355.12	-124.52	38.89
420	6	575	898.94	-10.99	-94.01	-54.25	-50.74	41.47	7.49	-322.77	-319.85	4.57	30.93
		632	225.93	43.95	-71.73	-54.25	26.47	41.43	82.90	60.48	69.15	74.22	-10.92
		612	252.95	47.98	-53.32	-31.81	26.47	41.43	36.12	-55.16	36.00	-55.04	-3.23
		157	871.35	1.26	-83.82	-31.81	-50.74	41.47	-118.34	-359.35	-353.00	-124.70	38.62
420	7	575	901.32	-9.87	-91.28	-54.29	-46.86	40.54	6.36	-323.81	-320.84	3.39	31.19
		632	222.58	49.98	-70.02	-54.29	34.25	40.49	82.05	60.20	69.04	73.21	-10.72
		612	259.33	53.50	-50.93	-31.69	34.25	40.49	35.94	-56.27	35.85	-56.17	-3.01
		157	873.70	1.96	-80.52	-31.69	-46.86	40.54	-119.54	-360.49	-354.03	-125.99	38.90
420	8	575	656.66	-23.81	-55.60	-37.91	-41.50	15.80	8.56	-237.27	-237.10	8.39	6.43
		632	286.35	-35.96	-166.98	-37.91	-165.03	15.87	90.54	34.65	62.79	62.40	-27.94
		612	282.13	-23.65	-166.81	-25.43	-165.03	15.87	41.55	-47.64	35.79	-41.89	-21.90
		157	633.89	-15.74	-51.18	-25.43	-41.50	15.80	-94.98	-265.01	-264.10	-95.90	12.46
420	9	575	628.30	-16.03	-76.07	-34.16	-57.94	27.56	7.33	-229.23	-228.67	6.76	11.54

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		632	206.99	-19.36	-85.53	-34.16	-70.74	27.57	68.10	32.26	45.11	55.26	-17.19
		612	167.57	-8.62	-82.97	-20.86	-70.74	27.57	24.68	-36.67	22.26	-34.25	-11.95
		157	608.58	-6.18	-72.62	-20.86	-57.94	27.56	-81.09	-253.17	-251.52	-82.74	16.77
420	10	575	623.93	-18.20	-49.58	-32.10	-35.67	15.59	0.32	-229.50	-229.02	-0.16	10.51
		632	202.05	-28.62	-102.23	-32.10	-98.75	15.62	64.77	28.56	44.45	48.87	-17.97
		612	201.40	-17.05	-101.74	-20.04	-98.75	15.62	24.32	-41.94	21.85	-39.47	-12.54
		157	605.34	-10.42	-45.29	-20.04	-35.67	15.59	-86.96	-253.17	-251.63	-88.50	15.93
420	11	575	645.93	-7.99	-64.00	-36.99	-34.99	27.99	2.35	-233.88	-231.80	0.27	22.11
		632	147.09	32.26	-48.28	-36.99	20.98	27.95	54.26	40.14	44.69	49.70	-6.60
		612	172.46	34.89	-35.19	-21.27	20.98	27.95	21.88	-39.75	21.86	-39.73	-1.16
		157	627.04	0.68	-56.95	-21.27	-34.99	27.99	-84.70	-259.10	-254.63	-89.16	27.55
421	1	157	770.68	-0.72	-78.77	-28.70	-50.79	37.43	-41.27	-303.45	-302.99	-41.73	10.97
		612	210.17	-17.29	-151.82	-28.70	-140.41	37.48	7.06	-51.49	0.81	-45.24	-18.08
		630	376.13	-9.35	-151.13	-20.07	-140.41	37.48	-9.63	-120.94	-19.36	-111.21	-31.44
		549	767.47	5.03	-75.89	-20.07	-50.79	37.43	-107.67	-323.19	-323.16	-107.70	-2.39
421	2	157	789.85	-5.91	-60.09	-25.80	-40.20	26.11	-44.32	-312.16	-311.66	-44.82	11.52
		612	230.87	-20.76	-161.88	-25.80	-156.84	26.18	4.37	-54.84	-1.61	-48.86	-17.84
		630	397.87	-11.85	-161.57	-16.58	-156.84	26.18	-12.15	-124.50	-21.90	-114.75	-31.63
		549	786.62	0.27	-57.05	-16.58	-40.20	26.11	-110.68	-331.98	-331.96	-110.70	-2.27
421	3	157	768.89	0.10	-38.82	-27.58	-11.14	17.64	-51.99	-304.36	-303.99	-52.36	9.60
		612	281.18	-25.73	-198.11	-27.58	-196.27	17.75	6.66	-62.10	0.67	-56.12	-19.38
		630	445.86	-17.00	-198.03	-18.75	-196.27	17.75	-9.72	-131.06	-19.38	-121.39	-32.86
		549	768.18	3.09	-32.99	-18.75	-11.14	17.64	-117.56	-324.12	-324.05	-117.63	-3.87
421	4	157	813.72	16.89	-55.24	-28.62	-9.74	34.81	-50.80	-318.13	-314.53	-54.40	30.81
		612	192.03	56.64	-42.80	-28.62	42.45	34.78	-1.99	-57.75	-2.05	-57.70	1.75
		630	350.19	58.06	-35.01	-19.39	42.45	34.78	-20.83	-124.94	-22.21	-123.56	-11.88
		549	803.06	20.58	-49.70	-19.39	-9.74	34.81	-118.90	-336.06	-334.69	-120.26	17.17
421	5	157	803.38	15.45	-56.52	-28.99	-12.08	34.97	-49.76	-313.91	-310.35	-53.32	30.47
		612	183.78	47.24	-45.02	-28.99	31.21	34.95	-0.91	-56.66	-0.96	-56.61	1.55
		630	340.91	48.98	-37.54	-19.77	31.21	34.95	-19.62	-123.55	-21.02	-122.15	-11.96
		549	792.98	19.26	-51.11	-19.77	-12.08	34.97	-117.51	-331.76	-330.41	-118.86	16.96
421	6	157	798.68	17.31	-56.98	-29.43	-10.24	35.88	-50.09	-311.90	-308.37	-53.62	30.20
		612	182.28	43.42	-47.08	-29.43	25.76	35.86	-0.36	-56.88	-0.39	-56.85	1.29
		630	339.26	45.35	-39.88	-20.28	25.76	35.86	-19.02	-123.80	-20.44	-122.38	-12.14
		549	788.50	20.97	-51.50	-20.28	-10.24	35.88	-117.81	-329.76	-328.43	-119.14	16.77
421	7	157	801.01	18.89	-54.70	-29.33	-6.49	34.98	-51.17	-312.95	-309.36	-54.77	30.47
		612	189.48	48.91	-44.94	-29.33	33.30	34.95	-0.54	-58.03	-0.58	-57.99	1.50
		630	346.33	50.58	-37.41	-20.13	33.30	34.95	-19.29	-124.96	-20.67	-123.59	-11.96
		549	790.82	22.33	-48.94	-20.13	-6.49	34.98	-118.99	-330.82	-329.45	-120.36	17.01
421	8	157	581.56	-0.38	-32.71	-23.85	-9.24	14.42	-38.66	-229.33	-229.16	-38.83	5.67
		612	234.06	-22.43	-172.46	-23.85	-171.04	14.51	13.80	-46.43	7.82	-40.46	-18.01
		630	366.77	-15.52	-172.40	-16.87	-171.04	14.51	-0.20	-102.43	-8.59	-94.04	-28.06
		549	582.47	1.86	-27.97	-16.87	-9.24	14.42	-92.28	-245.70	-245.57	-92.41	-4.38
421	9	157	560.62	1.47	-49.75	-19.20	-29.08	25.13	-32.01	-220.99	-220.33	-32.67	11.14
		612	135.16	-9.13	-82.02	-19.20	-71.95	25.16	-0.89	-38.30	-3.19	-36.00	-8.99
		630	249.53	-3.70	-81.22	-12.98	-71.95	25.16	-12.05	-86.60	-17.14	-81.50	-18.81
		549	556.80	5.36	-47.42	-12.98	-29.08	25.13	-78.17	-234.29	-234.28	-78.18	1.32
421	10	157	559.20	2.45	-28.08	-18.58	-7.05	14.14	-37.99	-221.47	-220.88	-38.58	10.39
		612	173.55	-16.25	-105.30	-18.58	-102.98	14.19	-0.97	-44.34	-3.26	-42.04	-9.71
		630	287.79	-10.08	-105.15	-12.25	-102.98	14.19	-12.04	-92.27	-17.15	-87.16	-19.60
		549	556.77	4.72	-24.02	-12.25	-7.05	14.14	-83.70	-234.78	-234.78	-83.70	0.50
421	11	157	576.61	12.06	-38.21	-19.60	-6.55	24.27	-36.72	-225.87	-223.32	-39.28	21.83
		612	129.72	31.81	-31.05	-19.60	20.37	24.26	-3.77	-42.53	-3.85	-42.45	1.78
		630	239.69	33.10	-25.83	-13.10	20.37	24.26	-16.82	-88.63	-17.74	-87.71	-8.09
		549	568.88	14.67	-34.32	-13.10	-6.55	24.27	-83.60	-238.14	-237.21	-84.54	11.97
422	1	549	738.89	27.58	-38.34	-16.46	5.70	31.04	-68.08	-300.21	-300.15	-68.14	-3.75
		630	327.96	-9.07	-144.12	-16.46	-136.73	30.72	-28.23	-108.42	-36.18	-100.48	-23.96
		611	384.23	-10.99	-144.24	-18.50	-136.73	30.72	-15.42	-135.93	-47.91	-103.43	-53.48
		112	777.11	26.92	-39.72	-18.49	5.70	31.04	-66.58	-316.38	-311.87	-71.09	-33.26
422	2	549	760.55	26.82	-24.39	-13.22	15.65	21.15	-70.02	-309.23	-309.16	-70.08	-3.98
		630	351.63	-10.28	-159.67	-13.22	-156.73	20.76	-30.61	-112.04	-38.40	-104.26	-23.95
		611	410.89	-14.71	-159.76	-17.75	-156.73	20.76	-16.82	-140.20	-49.96	-107.07	-54.68
		112	802.90	25.90	-28.00	-17.75	15.65	21.15	-68.13	-325.49	-320.72	-72.90	-34.71
422	3	549	744.78	49.09	-17.08	-15.49	47.50	10.15	-77.54	-302.54	-302.39	-77.69	-5.81
		630	404.05	-14.99	-201.01	-15.49	-200.52	9.59	-27.57	-119.15	-34.94	-111.78	-24.91
		611	457.96	-23.53	-201.03	-24.05	-200.52	9.59	-14.86	-144.85	-45.91	-113.80	-55.43
		112	792.67	48.91	-25.46	-24.05	47.50	10.15	-74.19	-318.87	-313.36	-79.71	-36.32
422	4	549	772.21	58.59	-28.99	-15.72	45.32	31.40	-80.34	-312.38	-311.32	-81.39	15.60
		630	304.48	61.38	-28.51	-15.72	48.58	31.41	-39.28	-113.78	-39.55	-113.51	-4.45
		611	358.05	61.87	-25.66	-12.38	48.58	31.41	-36.51	-131.29	-51.19	-116.61	-34.30
		112	790.77	59.11	-26.17	-12.38	45.32	31.40	-83.64	-323.81	-322.97	-84.49	-14.24
422	5	549	761.87	55.65	-29.73	-16.16	42.07	31.22	-79.30	-308.23	-307.19	-80.34	15.42

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		630	294.79	51.69	-30.51	-16.16	37.33	31.21	-37.98	-112.38	-38.26	-112.10	-4.56
		611	348.86	52.28	-27.82	-12.86	37.33	31.21	-35.29	-129.64	-49.85	-115.08	-34.08
		112	780.45	56.19	-26.98	-12.86	42.07	31.22	-82.48	-319.62	-318.77	-83.32	-14.10
422	6	549	757.30	57.66	-30.20	-16.65	44.12	31.73	-79.68	-306.29	-305.26	-80.71	15.25
		630	292.74	47.61	-32.29	-16.65	31.97	31.70	-37.34	-112.63	-37.64	-112.33	-4.73
		611	347.25	48.23	-29.82	-13.56	31.97	31.70	-34.78	-129.77	-49.23	-115.32	-34.12
		112	775.99	58.16	-27.60	-13.56	44.12	31.73	-82.85	-317.71	-316.85	-83.70	-14.13
422	7	549	759.74	60.26	-29.01	-16.51	47.76	30.97	-80.75	-307.35	-306.29	-81.81	15.46
		630	299.74	53.06	-30.28	-16.51	39.29	30.95	-37.55	-113.74	-37.83	-113.47	-4.54
		611	352.48	53.60	-27.67	-13.36	39.29	30.95	-35.20	-130.67	-49.42	-116.45	-33.99
		112	778.43	60.71	-26.31	-13.36	47.76	30.97	-83.95	-318.73	-317.89	-84.79	-13.99
422	8	549	562.19	36.39	-15.51	-14.36	35.24	7.65	-62.40	-229.00	-228.82	-62.58	-5.53
		630	331.30	-14.04	-174.01	-14.36	-173.68	7.18	-14.25	-92.74	-20.72	-86.28	-21.58
		611	370.82	-21.06	-174.02	-21.40	-173.68	7.18	-6.41	-112.11	-30.02	-88.50	-44.02
		112	601.12	36.25	-22.41	-21.39	35.24	7.65	-60.40	-242.52	-238.12	-64.80	-27.97
422	9	549	537.27	24.32	-23.58	-10.42	11.16	21.37	-49.38	-217.86	-217.86	-49.38	0.10
		630	218.03	-3.62	-76.44	-10.42	-69.64	21.19	-25.31	-77.90	-29.11	-74.10	-13.62
		611	257.11	-4.42	-76.53	-11.30	-69.64	21.19	-16.02	-96.85	-37.02	-75.84	-35.45
		112	561.58	24.08	-24.22	-11.30	11.16	21.37	-48.47	-228.44	-225.77	-51.13	-21.73
422	10	549	540.05	36.44	-11.94	-9.88	34.38	9.76	-54.69	-219.11	-219.11	-54.69	-1.04
		630	259.23	-8.96	-106.00	-9.89	-105.08	9.45	-24.82	-83.98	-24.82	-80.38	-14.14
		611	297.41	-13.41	-106.05	-14.39	-105.08	9.45	-15.67	-101.85	-35.91	-81.60	-36.53
		112	569.81	36.27	-16.27	-14.39	34.38	9.76	-52.76	-229.76	-226.60	-55.92	-23.43
422	11	549	547.86	41.59	-19.61	-10.53	32.51	21.76	-55.68	-221.39	-220.70	-56.37	10.66
		630	208.38	34.56	-21.01	-10.53	24.08	21.74	-29.75	-80.85	-29.92	-80.68	-2.93
		611	248.27	34.94	-19.42	-8.56	24.08	21.74	-26.80	-93.41	-37.76	-82.45	-24.70
		112	561.11	41.89	-17.94	-8.56	32.51	21.76	-57.41	-229.26	-228.54	-58.14	-11.10
423	1	112	991.62	10.30	-52.48	0.95	-43.12	22.36	-92.95	-403.83	-396.14	-100.63	-48.28
		611	300.91	-17.35	-93.07	-19.93	-90.50	13.73	47.21	-76.11	12.13	-41.03	-55.63
		613	287.94	-67.44	-98.57	-76.98	-89.04	14.35	100.41	41.99	74.23	68.17	-29.06
		325	953.70	-36.51	-103.13	-95.07	-44.58	21.74	9.94	-335.41	-334.04	8.57	-21.70
423	2	112	1013.72	8.69	-43.42	0.57	-35.31	18.90	-96.53	-414.47	-406.24	-104.76	-50.50
		611	325.36	-19.33	-110.35	-19.41	-110.27	2.69	45.50	-79.65	10.38	-44.53	-56.23
		613	289.70	-70.90	-110.90	-71.78	-110.02	5.87	101.36	42.42	74.95	68.83	-29.31
		325	973.10	-31.16	-91.63	-87.22	-35.56	15.71	10.17	-343.25	-341.67	8.59	-23.58
423	3	112	987.28	8.18	-23.54	-6.12	-9.24	15.78	-101.89	-409.49	-398.87	-112.51	-56.15
		611	384.66	-22.98	-156.80	-25.80	-153.98	-19.22	44.95	-87.62	12.14	-54.81	-57.21
		613	297.94	-70.89	-157.58	-72.04	-156.44	-9.88	103.70	39.23	79.85	63.08	-31.13
		325	952.35	-6.24	-83.31	-82.77	-6.78	6.44	8.05	-333.83	-331.16	5.38	-30.06
423	4	112	970.14	28.47	-16.76	1.44	10.27	22.18	-117.20	-406.55	-403.08	-120.68	-31.51
		611	347.38	107.70	-36.97	-19.12	89.85	47.58	34.39	-76.02	17.44	-59.06	-39.80
		613	263.42	103.45	-92.13	-84.80	96.12	37.15	85.06	46.39	80.61	50.84	-12.34
		325	967.56	12.64	-119.22	-110.58	4.00	32.61	-10.72	-339.96	-339.91	-10.77	-4.04
423	5	112	959.54	25.79	-18.06	1.12	6.60	21.75	-115.45	-401.87	-398.37	-118.95	-31.49
		611	338.54	96.12	-37.02	-19.43	78.52	45.09	34.99	-74.91	18.30	-58.22	-39.45
		613	261.94	91.58	-91.59	-84.51	84.50	35.33	85.73	46.97	81.28	51.42	-12.35
		325	955.73	8.99	-118.15	-109.79	0.63	31.51	-9.25	-335.45	-335.39	-9.31	-4.39
423	6	112	954.45	27.28	-18.53	0.93	7.81	22.65	-115.48	-399.91	-396.32	-119.07	-31.76
		611	337.45	91.11	-37.42	-19.71	73.40	44.30	35.33	-75.38	18.65	-58.70	-39.60
		613	262.59	86.35	-91.76	-84.56	79.15	35.08	86.01	46.09	81.49	50.61	-12.66
		325	950.32	10.52	-117.99	-109.53	2.07	31.87	-9.69	-333.55	-333.48	-9.76	-4.81
423	7	112	955.87	29.27	-16.76	0.75	11.76	22.35	-116.77	-401.06	-397.45	-120.38	-31.83
		611	342.97	97.45	-36.94	-19.82	80.34	44.80	35.12	-76.24	18.61	-59.73	-39.58
		613	264.32	93.21	-91.73	-84.72	86.19	35.32	86.03	45.74	81.68	50.09	-12.50
		325	953.11	14.08	-117.99	-109.82	5.91	31.82	-10.50	-334.44	-334.37	-10.57	-4.75
423	8	112	761.24	4.39	-20.25	-6.51	-9.34	12.24	-79.08	-316.04	-306.25	-88.87	-47.16
		611	324.43	-19.90	-138.39	-22.84	-135.45	-18.42	38.89	-70.49	15.84	-47.44	-44.60
		613	250.94	-59.42	-139.04	-60.74	-137.72	-10.14	88.65	32.04	72.59	48.09	-25.52
		325	728.94	-6.82	-69.51	-69.26	-7.07	3.96	9.71	-252.54	-249.50	6.67	-28.07
423	9	112	705.86	9.23	-29.83	1.37	-21.97	15.67	-69.38	-289.10	-284.62	-73.86	-31.05
		611	203.21	-6.69	-44.65	-12.90	-38.44	14.04	30.32	-53.42	6.37	-29.46	-37.84
		613	187.10	-29.56	-60.34	-53.07	-36.83	13.07	66.27	29.82	48.92	47.16	-18.20
		325	686.49	-17.88	-72.13	-66.43	-23.57	16.63	3.29	-242.60	-242.07	2.76	-11.41
423	10	112	703.22	9.16	-14.87	-2.56	-3.15	12.01	-74.53	-292.07	-286.14	-80.46	-35.42
		611	238.05	-15.84	-74.02	-16.16	-73.70	-4.26	29.04	-59.78	6.37	-37.12	-38.72
		613	191.94	-50.32	-74.28	-50.32	-74.28	-0.39	67.92	28.45	52.04	44.33	-19.36
		325	684.52	-1.44	-60.74	-59.60	-2.57	8.14	2.05	-241.53	-240.47	0.99	-16.05
423	11	112	686.00	19.86	-12.18	1.36	6.33	15.83	-81.75	-287.08	-284.72	-84.11	-21.87
		611	233.29	64.99	-25.15	-12.77	52.62	31.03	23.36	-52.65	9.99	-39.28	-28.94
		613	172.80	61.69	-62.36	-57.28	56.60	24.59	57.14	33.21	52.96	37.40	-9.09
		325	685.59	8.32	-80.45	-74.47	2.34	22.26	-7.40	-241.77	-241.76	-7.42	-2.03
424	1	325	1185.44	18.99	-113.40	-98.81	4.40	41.46	160.42	-313.45	-310.02	156.99	40.20

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		613	892.32	-98.21	-164.02	-118.36	-143.87	30.33	341.75	119.68	166.86	294.57	-90.84
		625	301.53	-11.03	-139.17	-13.25	-136.96	16.70	58.72	-45.28	53.41	-39.97	-22.89
		503	1144.75	42.82	-69.46	-24.13	-2.51	55.09	-136.75	-464.26	-423.46	-177.54	108.15
424	2	325	1207.99	35.25	-109.36	-98.05	23.95	38.82	158.16	-320.90	-317.73	154.99	38.84
		613	903.26	-108.42	-176.51	-117.90	-167.02	23.58	343.60	121.00	168.66	295.95	-91.30
		625	328.09	-20.45	-159.24	-20.79	-158.90	6.80	61.47	-47.86	57.35	-43.75	-20.81
		503	1161.72	53.23	-66.82	-29.42	15.83	55.60	-142.93	-470.82	-429.04	-184.71	109.33
424	3	325	1173.28	61.33	-109.27	-105.10	57.16	26.37	146.66	-309.22	-306.96	144.39	32.07
		613	894.38	-125.87	-215.40	-126.00	-215.28	3.34	335.22	119.02	170.17	284.07	-91.88
		625	376.99	-38.33	-207.08	-40.62	-204.79	-19.51	69.69	-49.82	65.98	-46.11	-20.75
		503	1116.48	68.02	-66.80	-45.45	46.67	49.22	-145.67	-451.27	-411.14	-185.79	103.21
424	4	325	1217.01	62.40	-114.41	-94.74	42.73	55.61	152.27	-323.31	-315.67	144.63	59.80
		613	790.51	48.26	-132.99	-112.63	27.91	57.23	326.44	138.35	177.45	287.34	-76.33
		625	297.63	75.92	-32.80	12.17	30.95	53.54	59.41	-59.33	59.12	-59.04	-5.83
		503	1210.11	80.70	-46.02	-5.00	39.69	59.29	-143.34	-492.41	-434.00	-201.76	130.30
424	5	325	1204.21	56.86	-114.35	-95.05	37.56	54.14	152.84	-318.89	-311.35	145.29	59.17
		613	792.66	37.13	-133.40	-113.11	16.84	55.21	325.99	138.54	177.49	287.04	-76.05
		625	287.24	67.01	-35.50	11.44	20.07	51.08	60.13	-56.90	59.82	-56.59	-5.97
		503	1197.43	75.99	-47.19	-5.54	34.34	58.28	-140.45	-486.91	-429.02	-198.33	129.25
424	6	325	1198.51	58.23	-114.46	-95.57	39.35	53.89	151.84	-317.01	-309.58	144.41	58.55
		613	792.41	32.26	-133.94	-113.72	12.04	54.34	325.08	138.15	177.46	285.77	-76.18
		625	286.35	62.48	-37.10	9.93	15.45	49.71	60.53	-56.99	60.20	-56.65	-6.24
		503	1192.05	76.88	-47.71	-6.76	35.93	58.52	-140.37	-484.48	-426.85	-198.01	128.50
424	7	325	1200.58	61.23	-114.12	-95.49	42.60	54.04	151.13	-317.77	-310.28	143.65	58.76
		613	788.86	38.30	-133.36	-113.59	18.54	54.79	324.53	138.21	177.59	285.16	-76.07
		625	292.03	66.91	-34.53	10.52	21.86	50.40	60.64	-57.93	60.33	-57.62	-6.05
		503	1193.81	79.19	-46.23	-6.32	39.28	58.42	-141.21	-485.45	-427.54	-199.13	128.77
424	8	325	907.56	48.35	-93.11	-89.53	44.77	22.23	121.04	-230.90	-229.43	119.57	22.68
		613	741.58	-107.30	-188.45	-107.38	-188.37	2.52	276.45	98.82	144.46	230.81	-77.61
		625	317.45	-32.58	-181.38	-34.55	-179.40	-17.03	63.13	-36.76	58.61	-32.24	-20.76
		503	861.05	54.54	-57.39	-38.65	35.80	41.78	-112.32	-346.45	-315.28	-143.48	79.53
424	9	325	848.98	19.54	-76.39	-66.14	9.30	29.63	109.34	-228.63	-225.62	106.33	31.75
		613	599.97	-53.37	-100.79	-79.13	-75.03	23.62	233.74	84.43	114.47	203.70	-59.86
		625	200.61	-2.44	-74.39	-6.00	-70.83	15.60	37.91	-34.73	35.95	-32.77	-11.78
		503	824.10	34.37	-43.34	-14.07	5.09	37.65	-99.07	-335.21	-304.14	-130.14	79.83
424	10	325	841.57	42.63	-73.66	-69.64	38.61	21.24	101.61	-226.20	-223.92	99.33	27.23
		613	601.13	-81.15	-116.92	-83.37	-114.71	8.63	230.00	84.18	116.31	197.87	-60.43
		625	241.74	-20.97	-108.75	-21.20	-108.51	-4.52	44.32	-37.57	42.93	-36.18	-10.59
		503	808.27	48.35	-41.84	-25.91	32.42	34.39	-103.99	-328.03	-297.30	-134.72	77.08
424	11	325	856.67	41.35	-76.98	-64.35	28.71	36.54	104.67	-230.71	-225.38	99.34	41.94
		613	544.28	25.03	-89.99	-76.55	11.58	36.96	224.50	94.68	120.36	198.82	-51.71
		625	199.67	44.47	-23.75	6.88	13.84	33.93	39.80	-42.11	39.72	-42.04	-2.53
		503	850.44	53.48	-31.45	-4.41	26.45	39.56	-101.00	-346.53	-306.02	-141.51	91.13
425	1	503	713.44	4.50	-17.48	-0.18	-12.80	8.99	-92.10	-301.05	-300.21	-92.94	13.23
		625	304.78	-8.70	-94.33	-10.18	-92.86	-11.14	10.64	-89.48	-10.70	-68.14	-41.00
		614	268.66	-62.76	-95.51	-63.75	-94.52	-5.61	58.61	-54.66	-11.21	15.15	-55.08
		326	831.53	-10.93	-68.74	-68.53	-11.14	3.46	-9.64	-300.72	-300.72	-9.64	-0.85
425	2	503	722.95	28.87	-6.46	8.06	14.35	17.38	-99.46	-305.98	-305.32	-100.12	11.63
		625	333.98	-0.95	-117.96	-3.26	-115.64	-16.30	11.31	-92.85	-7.08	-74.46	-39.72
		614	257.26	-55.59	-119.78	-56.25	-119.12	-6.47	57.67	-49.02	-0.95	9.59	-53.08
		326	822.16	18.56	-59.79	-59.05	17.83	7.55	-16.06	-299.20	-299.19	-16.07	-1.73
425	3	503	681.58	41.65	6.00	8.79	38.85	9.59	-104.29	-290.67	-290.53	-104.43	5.04
		625	401.23	7.67	-189.26	-4.53	-177.07	-47.46	16.77	-93.75	2.01	-78.99	-37.60
		614	279.40	-47.89	-190.42	-54.59	-183.71	-30.18	65.11	-32.58	21.28	11.25	-48.59
		326	756.30	46.08	-54.29	-53.70	45.49	-7.69	-14.05	-271.40	-271.26	-14.19	-5.96
425	4	503	745.21	35.40	-13.01	-10.62	33.01	10.49	-111.61	-313.08	-307.77	-116.92	32.29
		625	329.30	87.80	-23.97	-17.85	81.68	25.41	1.29	-97.78	-5.92	-90.57	-25.73
		614	228.25	87.17	-79.69	-77.32	84.80	19.74	31.84	-48.48	-9.08	-7.56	-40.15
		326	860.64	32.07	-90.04	-87.86	29.89	16.15	-32.76	-312.08	-310.94	-33.91	17.86
425	5	503	734.60	28.36	-12.51	-9.95	25.80	9.92	-108.80	-308.84	-303.64	-114.00	31.83
		625	316.29	76.67	-23.18	-17.16	70.64	23.78	2.25	-95.23	-4.94	-88.04	-25.48
		614	221.12	75.85	-77.97	-75.72	73.61	18.46	33.42	-46.32	-7.74	-5.16	-39.85
		326	848.37	24.93	-88.08	-85.99	22.84	15.23	-30.01	-307.54	-306.44	-31.12	17.46
425	6	503	729.82	28.82	-12.39	-10.12	26.56	9.39	-108.91	-306.95	-301.88	-113.98	31.28
		625	312.79	70.48	-22.78	-17.49	65.20	21.56	2.72	-95.27	-4.44	-88.11	-25.51
		614	218.04	69.86	-77.89	-75.96	67.93	16.78	33.95	-45.51	-6.66	-4.90	-39.72
		326	842.53	25.62	-87.77	-85.97	23.82	14.17	-29.70	-305.16	-304.10	-30.76	17.07
425	7	503	731.18	31.94	-12.42	-10.32	29.84	9.42	-109.93	-307.50	-302.37	-115.06	31.41
		625	319.00	76.52	-22.93	-17.63	71.22	22.34	2.61	-96.15	-4.41	-89.13	-25.37
		614	220.44	76.03	-78.17	-76.20	74.05	17.32	33.45	-45.69	-6.49	-5.75	-39.57
		326	843.66	28.82	-88.14	-86.33	27.01	14.44	-30.60	-305.53	-304.45	-31.68	17.21
425	8	503	518.67	32.04	5.00	7.93	29.11	8.39	-82.71	-221.18	-221.17	-82.71	-0.17

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		625	338.54	6.54	-165.00	-3.48	-154.98	-40.23	20.11	-74.04	8.56	-62.49	-30.89
		614	236.34	-41.08	-166.08	-46.53	-160.63	-25.52	58.77	-20.80	28.95	9.02	-38.52
		326	564.34	35.26	-46.31	-45.81	34.77	-6.33	-10.87	-201.11	-200.79	-11.19	-7.80
425	9	503	515.58	4.70	-7.68	-1.42	-1.56	6.19	-67.39	-217.40	-216.19	-68.59	13.39
		625	195.89	-7.47	-41.09	-7.81	-40.75	-3.37	3.11	-63.92	-9.80	-51.01	-26.44
		614	181.67	-41.07	-44.62	-44.36	-41.32	-0.92	36.13	-40.47	-12.44	8.10	-36.90
		326	603.40	-0.69	-48.51	-48.21	-0.98	3.74	-9.44	-218.87	-218.83	-9.48	2.93
425	10	503	496.97	28.82	1.88	3.56	27.14	6.52	-74.41	-211.39	-210.81	-74.98	8.83
		625	248.91	1.55	-93.75	-4.67	-87.53	-23.54	6.71	-66.49	-2.74	-57.03	-24.55
		614	175.27	-35.45	-94.70	-39.28	-90.87	-14.57	39.06	-27.51	5.61	5.94	-33.29
		326	560.79	30.57	-40.06	-39.97	30.48	-2.46	-12.01	-202.46	-202.46	-12.01	0.09
425	11	503	526.43	21.74	-8.38	-6.95	20.31	6.41	-76.39	-221.01	-217.12	-80.28	23.41
		625	216.81	50.57	-15.38	-11.87	47.06	14.80	-1.11	-67.32	-6.32	-62.10	-17.83
		614	151.16	50.23	-52.46	-51.15	48.93	11.52	22.09	-35.04	-9.91	-3.04	-28.36
		326	610.34	19.65	-59.11	-57.90	18.44	9.69	-20.39	-221.54	-220.71	-21.22	12.88
426	1	326	1109.01	-7.77	-94.51	-87.85	-14.43	23.09	132.32	-313.14	-311.44	130.61	27.54
		614	831.62	-102.94	-146.63	-107.86	-141.71	13.81	319.76	106.80	149.40	277.15	-85.19
		626	255.09	0.32	-135.05	0.31	-135.03	1.30	60.73	-16.02	60.32	-15.61	-5.63
		508	1078.71	19.44	-52.37	-11.83	-21.10	35.60	-121.10	-441.56	-400.51	-162.15	107.10
426	2	326	1103.64	37.62	-98.82	-90.71	29.51	32.25	119.20	-311.46	-309.87	117.61	26.14
		614	823.54	-108.17	-166.22	-113.80	-160.59	17.18	313.42	117.12	159.89	270.65	-81.03
		626	325.82	0.47	-151.63	0.47	-151.63	-0.48	79.79	-22.99	79.55	-22.75	4.91
		508	1076.60	57.20	-47.43	-10.79	20.56	49.91	-127.90	-438.10	-390.20	-175.79	112.09
426	3	326	1019.04	43.67	-106.45	-104.52	41.74	16.90	110.24	-280.47	-279.29	109.06	21.41
		614	821.52	-132.27	-231.39	-132.59	-231.07	-5.62	304.29	131.29	172.82	262.77	-73.89
		626	404.10	0.32	-223.14	-3.84	-218.98	-30.21	108.71	-14.55	106.54	-12.38	16.21
		508	984.60	54.46	-39.70	-14.89	29.64	41.48	-112.68	-398.97	-345.57	-166.08	111.52
426	4	326	1140.71	41.80	-89.27	-79.06	31.59	35.13	122.92	-324.48	-319.19	117.63	48.35
		614	721.40	35.87	-105.27	-94.64	25.24	37.26	301.66	118.91	156.25	264.31	-73.69
		626	237.16	55.29	-15.32	12.22	27.75	34.44	56.92	-41.50	56.81	-41.39	3.26
		508	1153.97	54.21	-28.24	-3.11	29.08	37.95	-133.09	-473.61	-418.63	-188.07	125.30
426	5	326	1129.76	35.04	-89.48	-78.47	24.03	35.36	124.94	-320.19	-314.96	119.71	47.94
		614	728.17	26.27	-105.72	-94.22	14.78	37.22	302.87	119.74	156.78	265.83	-73.56
		626	228.91	49.47	-18.99	13.09	17.39	34.16	57.53	-38.84	57.42	-38.73	3.23
		508	1143.92	49.79	-30.60	-2.22	21.41	38.42	-130.11	-469.07	-414.33	-184.85	124.73
426	6	326	1122.49	32.90	-89.68	-79.60	22.82	33.67	124.74	-317.62	-312.47	119.58	47.49
		614	728.32	19.37	-106.33	-95.62	8.67	35.09	302.33	120.06	157.06	265.34	-73.31
		626	230.77	43.54	-19.71	12.37	11.46	31.62	58.49	-37.60	58.37	-37.48	3.43
		508	1136.02	47.43	-30.31	-2.90	20.02	37.14	-128.61	-465.78	-411.16	-183.23	124.23
426	7	326	1122.68	36.14	-89.43	-79.42	26.13	34.02	123.81	-317.80	-312.60	118.61	47.63
		614	723.75	25.01	-105.88	-95.32	14.44	35.66	301.24	120.02	157.09	264.17	-73.10
		626	230.96	47.28	-17.68	12.45	17.15	32.39	58.67	-38.76	58.55	-38.63	3.49
		508	1136.01	49.80	-29.25	-2.87	23.42	37.28	-129.42	-465.91	-411.14	-184.19	124.22
426	8	326	777.81	35.35	-91.30	-89.40	33.44	15.42	91.17	-205.98	-205.30	90.49	14.21
		614	683.10	-113.31	-201.27	-113.49	-201.09	-3.95	251.51	110.04	147.68	213.86	-62.52
		626	337.63	0.23	-193.99	-3.07	-190.70	-25.08	93.87	-5.58	92.76	-4.47	10.16
		508	754.00	45.91	-35.39	-12.53	23.05	36.55	-84.57	-303.51	-260.23	-127.85	87.19
426	9	326	796.44	1.17	-62.60	-57.92	-3.51	16.62	89.66	-228.75	-227.08	87.98	23.06
		614	556.74	-60.71	-84.51	-70.82	-74.40	11.76	217.94	74.53	101.78	190.69	-56.26
		626	172.12	1.90	-70.71	1.62	-70.43	4.53	39.77	-16.71	39.75	-16.69	-0.96
		508	779.07	16.66	-31.06	-6.91	-7.49	23.85	-88.75	-319.75	-289.11	-119.40	78.36
426	10	326	746.13	29.49	-68.98	-67.18	27.70	13.18	77.36	-210.57	-209.22	76.01	19.66
		614	550.83	-84.54	-124.07	-84.56	-124.05	0.97	209.17	88.32	114.79	182.70	-49.98
		626	256.88	0.74	-118.49	-0.69	-117.06	-12.97	66.95	-16.42	65.43	-14.90	11.17
		508	726.39	36.88	-24.78	-8.61	20.71	27.12	-84.14	-296.02	-258.58	-121.58	80.81
426	11	326	804.45	23.75	-59.91	-53.34	17.19	22.50	85.58	-231.37	-227.65	81.86	34.14
		614	499.09	16.08	-70.97	-64.02	9.14	23.59	208.26	81.91	106.04	184.13	-49.66
		626	161.58	31.06	-11.78	8.32	10.96	21.38	38.91	-29.09	38.67	-28.84	4.07
		508	810.83	32.89	-19.48	-1.95	15.36	24.71	-92.90	-333.23	-295.02	-131.11	87.88
427	1	508	692.46	24.43	-37.44	19.27	-32.27	17.11	-80.57	-284.49	-282.43	-82.63	20.39
		626	268.57	10.81	-95.15	10.80	-95.14	0.90	13.52	-76.64	-8.91	-54.21	-38.98
		615	261.32	-33.02	-96.94	-33.46	-96.50	5.30	49.11	-53.86	-21.14	16.39	-47.94
		332	788.69	-21.11	-47.39	-37.59	-30.91	12.71	-11.57	-295.12	-294.66	-12.03	11.43
427	2	508	656.40	72.52	-18.30	40.92	13.30	43.26	-96.11	-272.97	-269.39	-99.70	24.94
		626	297.88	32.53	-108.48	31.73	-107.68	10.57	16.19	-77.93	5.04	-66.79	-30.41
		615	196.31	-1.94	-115.21	-5.71	-111.44	20.32	35.24	-31.36	-0.64	4.52	-33.20
		332	721.75	40.83	-30.22	-6.46	17.07	33.52	-26.42	-277.04	-275.07	-28.39	22.15
427	3	508	566.61	88.76	-21.97	61.01	5.78	47.98	-90.53	-232.35	-226.47	-96.42	28.28
		626	363.54	52.07	-187.76	51.95	-187.64	-5.45	31.14	-63.72	27.61	-60.19	-17.95
		615	175.69	30.39	-195.11	29.84	-194.56	11.13	38.15	7.81	31.70	14.26	-12.42
		332	597.43	56.73	-9.70	34.33	12.70	31.40	-16.42	-227.93	-222.38	-21.97	33.82
427	4	508	721.69	20.57	-7.09	-6.86	20.33	2.52	-103.64	-304.35	-299.20	-108.79	31.74

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		626	298.92	70.24	-18.51	-14.93	66.66	17.45	-0.14	-92.67	-9.90	-82.92	-28.42
		615	219.23	70.88	-79.34	-78.43	69.97	11.65	30.00	-55.24	-18.19	-7.05	-42.25
		332	849.31	17.67	-90.51	-89.86	17.02	8.32	-31.76	-308.66	-307.50	-32.92	17.91
427	5	508	713.08	15.51	-5.59	-4.24	14.16	5.18	-100.91	-301.03	-295.85	-106.09	31.78
		626	290.11	63.63	-17.37	-12.33	58.59	19.57	1.04	-90.27	-8.90	-80.33	-28.44
		615	218.90	63.22	-76.95	-75.55	61.82	13.94	30.42	-54.72	-18.06	-6.23	-42.16
		332	840.50	12.11	-88.04	-86.87	10.93	10.80	-30.80	-306.21	-305.02	-31.99	18.06
427	6	508	705.78	11.64	-4.93	-3.95	10.66	3.91	-99.54	-298.20	-293.00	-104.74	31.72
		626	281.31	55.67	-16.40	-12.02	51.29	17.21	1.72	-88.71	-8.00	-79.00	-28.01
		615	211.30	55.45	-75.41	-74.31	54.35	11.95	31.13	-52.58	-16.84	-4.61	-41.41
		332	831.93	8.50	-86.24	-85.34	7.60	9.18	-29.13	-303.07	-301.84	-30.36	18.32
427	7	508	705.72	15.32	-5.24	-4.52	14.59	3.78	-100.80	-298.15	-292.98	-105.97	31.51
		626	287.28	60.65	-16.76	-12.60	56.49	17.45	1.62	-89.76	-7.84	-80.30	-27.83
		615	212.77	60.68	-76.33	-75.26	59.61	12.06	30.80	-52.36	-15.98	-5.58	-41.26
		332	830.72	12.33	-87.25	-86.40	11.48	9.17	-30.04	-302.33	-301.13	-31.25	18.08
427	8	508	421.14	76.03	-21.25	52.43	2.34	41.70	-72.10	-171.71	-167.61	-76.20	19.78
		626	312.02	44.72	-162.55	44.65	-162.48	-3.82	32.83	-49.29	30.49	-46.95	-13.67
		615	177.12	25.98	-168.91	25.44	-168.36	10.30	40.51	9.51	38.59	11.42	-7.46
		332	429.96	48.23	-10.78	29.21	8.23	27.58	-13.21	-164.12	-159.50	-17.83	25.99
427	9	508	498.37	13.44	-17.86	9.99	-14.41	9.80	-59.78	-206.79	-204.74	-61.83	17.24
		626	176.42	4.48	-44.30	4.36	-44.17	2.46	4.90	-56.40	-9.31	-42.19	-25.87
		615	175.74	-26.49	-45.56	-27.50	-44.56	4.26	30.84	-41.45	-19.42	8.82	-33.27
		332	578.12	-10.86	-34.26	-31.09	-14.03	8.01	-10.35	-215.33	-214.86	-10.82	9.84
427	10	508	429.05	49.98	-10.07	33.18	6.73	26.95	-65.17	-177.96	-173.65	-69.49	21.63
		626	223.01	27.23	-95.57	27.22	-95.56	-1.06	14.35	-48.87	10.98	-45.51	-14.19
		615	105.53	8.20	-99.56	7.67	-99.03	7.50	22.37	-4.80	9.93	7.63	-13.53
		332	459.80	27.94	-8.88	8.86	10.20	18.40	-13.27	-177.78	-174.70	-16.34	22.28
427	11	508	508.77	9.92	-3.38	-2.91	9.44	2.47	-70.17	-214.56	-210.62	-74.11	23.54
		626	196.04	39.93	-11.07	-8.32	37.18	11.53	-1.61	-63.15	-8.81	-55.96	-19.78
		615	156.03	39.95	-50.89	-50.19	39.25	7.95	20.53	-40.42	-17.03	-2.85	-29.64
		332	602.19	7.93	-58.18	-57.62	7.37	6.05	-20.06	-219.79	-218.85	-21.00	13.67
428	1	332	1126.02	23.48	-98.75	-63.60	-11.67	55.33	135.56	-319.19	-315.11	131.48	42.89
		615	872.55	-56.91	-163.93	-82.43	-138.41	45.61	330.13	109.39	150.78	288.74	-86.16
		627	244.80	20.18	-138.83	13.01	-131.66	32.99	40.98	-27.50	40.96	-27.48	-1.06
		512	1188.38	60.79	-76.71	2.50	-18.43	67.95	-129.32	-480.34	-424.92	-184.74	127.99
428	2	332	1090.07	96.23	-111.00	-51.89	37.12	93.57	118.16	-304.81	-296.38	109.74	59.09
		615	837.87	-18.00	-188.89	-71.32	-135.57	79.18	312.33	129.86	168.63	273.57	-74.64
		627	352.48	40.25	-150.96	16.60	-127.31	62.95	53.91	-53.13	51.66	-50.88	15.36
		512	1251.69	128.99	-91.55	8.58	28.86	109.80	-134.88	-493.17	-413.35	-214.71	149.09
428	3	332	996.67	101.32	-136.88	-38.37	2.82	117.31	125.33	-261.83	-245.07	108.58	78.78
		615	856.49	-10.30	-259.33	-59.27	-210.36	98.97	305.19	160.56	191.07	274.68	-59.01
		627	460.75	53.26	-225.47	28.42	-200.63	79.42	72.94	-56.37	63.37	-46.81	33.84
		512	1276.92	144.96	-130.24	21.63	-6.92	136.86	-103.51	-482.17	-372.77	-212.91	171.63
428	4	332	1144.95	42.83	-88.80	-82.15	36.18	28.82	125.97	-322.99	-318.20	121.19	46.10
		615	746.94	10.32	-106.54	-99.13	2.91	28.48	309.37	111.22	151.84	268.75	-79.99
		627	209.34	30.17	-16.43	7.24	6.50	23.30	48.54	-40.78	48.45	-40.69	-2.79
		512	1155.11	51.98	-27.06	-7.68	32.59	34.01	-135.18	-474.67	-421.59	-188.26	123.29
428	5	332	1141.74	43.73	-89.01	-80.15	34.87	33.13	126.59	-321.57	-316.70	121.72	46.43
		615	754.38	7.64	-107.06	-97.06	-2.36	32.36	310.62	111.55	152.40	269.76	-80.40
		627	210.26	31.68	-22.48	7.86	1.34	26.88	47.70	-41.44	47.61	-41.35	-2.90
		512	1158.52	55.23	-30.78	-6.72	31.17	38.60	-135.65	-475.23	-421.50	-189.39	123.93
428	6	332	1133.78	37.24	-88.87	-79.93	28.30	32.37	128.08	-318.63	-313.64	123.09	46.98
		615	758.05	-0.07	-107.19	-96.96	-10.30	31.48	311.19	112.67	152.96	270.90	-79.84
		627	210.80	27.89	-26.00	8.43	-6.54	25.88	47.84	-39.32	47.77	-39.26	-2.40
		512	1153.74	50.13	-31.78	-6.19	24.54	37.97	-132.92	-472.97	-418.83	-187.07	124.42
428	7	332	1129.67	40.27	-88.80	-80.45	31.93	31.74	126.72	-317.33	-312.39	121.77	46.61
		615	751.28	3.97	-106.91	-97.45	-5.48	30.97	309.28	112.61	153.01	268.87	-79.46
		627	211.70	29.05	-22.81	8.00	-1.76	25.47	48.82	-39.99	48.76	-39.93	-2.40
		512	1147.39	51.90	-30.35	-6.66	28.21	37.24	-133.10	-470.57	-416.64	-187.03	123.66
428	8	332	763.91	86.29	-119.03	-32.85	0.11	101.33	103.80	-190.46	-176.19	89.53	63.22
		615	710.10	-8.32	-223.92	-50.77	-181.46	85.74	251.08	135.88	163.49	223.47	-49.18
		627	381.21	46.49	-194.87	24.77	-173.15	69.06	63.89	-40.78	56.86	-33.75	26.20
		512	1010.92	124.11	-113.45	18.86	-8.20	118.00	-75.18	-375.32	-282.81	-167.69	138.59
428	9	332	807.31	17.68	-63.30	-44.71	-0.91	34.05	92.09	-232.04	-228.98	89.04	31.32
		615	584.08	-36.33	-96.37	-57.12	-75.58	28.56	225.04	74.69	101.91	197.82	-57.89
		627	166.36	13.14	-76.58	7.96	-71.40	20.93	27.47	-23.49	27.46	-23.49	0.48
		512	840.76	39.47	-44.10	0.45	-5.08	41.69	-93.88	-341.83	-303.43	-132.27	89.70
428	10	332	728.72	59.27	-82.83	-30.70	7.14	68.48	85.84	-199.60	-190.07	76.31	51.26
		615	574.91	-11.64	-148.16	-44.25	-115.55	58.21	211.12	103.19	124.30	190.01	-42.81
		627	285.27	31.94	-125.13	16.52	-109.72	46.72	44.91	-39.22	39.92	-34.23	19.87
		512	881.69	86.32	-73.93	11.08	1.31	79.98	-80.86	-341.52	-274.46	-147.92	113.95
428	11	332	811.64	26.92	-59.40	-53.78	21.30	21.30	87.94	-231.74	-228.17	84.37	33.59

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		615	520.23	1.99	-71.58	-65.19	-4.40	20.72	214.47	76.57	103.13	187.91	-54.38
		627	146.92	19.13	-15.60	5.42	-1.89	16.98	31.25	-30.03	31.25	-30.03	-0.26
		512	821.83	34.79	-20.38	-4.38	18.79	25.03	-95.88	-337.73	-300.05	-133.57	87.71
429	1	512	767.72	38.57	-61.06	24.21	-46.70	34.99	-80.60	-314.73	-305.47	-89.86	45.64
		627	240.38	22.45	-81.70	13.07	-72.33	29.81	2.54	-85.30	-22.34	-60.42	-39.58
		616	332.23	-31.50	-94.47	-54.28	-71.69	30.26	21.01	-104.37	-73.09	-10.28	-54.26
		338	949.01	-20.00	-90.97	-63.63	-47.34	34.54	-36.72	-359.21	-356.21	-39.72	30.96
429	2	512	767.95	91.11	-48.14	38.03	4.94	67.63	-93.82	-317.07	-294.53	-116.37	67.27
		627	263.22	48.73	-82.84	21.56	-55.67	53.26	-3.36	-91.94	-9.82	-85.48	-23.04
		616	263.35	-7.77	-121.42	-73.41	-55.78	56.14	-14.18	-93.86	-68.15	-39.90	-37.26
		338	973.43	38.77	-119.26	-85.54	5.05	64.75	-61.13	-362.50	-352.85	-70.78	53.05
429	3	512	790.76	118.44	-96.45	60.40	-38.41	95.42	-63.32	-306.65	-260.01	-109.96	95.78
		627	321.90	72.68	-144.47	38.95	-110.74	78.66	7.33	-80.47	7.20	-80.34	-3.47
		616	229.62	-15.66	-181.01	-86.10	-110.57	81.77	-39.03	-82.29	-70.63	-50.69	-19.19
		338	995.63	27.18	-168.16	-102.39	-38.58	92.31	-57.45	-360.70	-337.84	-80.31	80.06
429	4	512	728.78	8.25	-18.66	-12.31	1.90	-11.43	-101.36	-307.40	-302.50	-106.26	31.39
		627	274.27	34.84	-19.72	-19.72	34.84	-0.10	-0.88	-95.00	-15.79	-80.09	-34.37
		616	269.06	37.77	-75.01	-74.81	37.58	-4.68	31.61	-69.12	-31.61	-5.89	-48.70
		338	868.46	-0.28	-85.33	-84.77	-0.83	-6.85	-31.05	-319.34	-318.32	-32.07	17.07
429	5	512	730.48	6.02	-13.01	-10.21	3.23	-6.73	-101.84	-308.26	-303.06	-107.04	32.33
		627	278.06	33.85	-18.30	-18.01	33.56	3.91	-0.78	-95.77	-15.92	-80.63	-34.77
		616	268.11	36.24	-75.09	-75.09	36.24	-0.49	29.65	-71.99	-33.96	-8.38	-49.18
		338	874.26	0.61	-85.31	-85.24	0.55	-2.34	-33.67	-322.22	-321.10	-34.78	17.92
429	6	512	725.70	0.20	-14.20	-9.27	-4.73	-6.83	-98.93	-306.38	-300.86	-104.45	33.40
		627	267.81	26.54	-17.50	-17.13	26.17	3.99	-0.41	-93.28	-15.44	-78.24	-34.21
		616	267.25	28.89	-74.82	-74.81	28.89	-0.47	29.81	-71.61	-34.79	-7.01	-48.77
		338	871.71	-7.38	-85.16	-85.09	-7.45	-2.37	-31.99	-321.44	-320.21	-33.22	18.83
429	7	512	720.36	3.36	-14.74	-10.13	-1.25	-7.88	-99.92	-304.19	-298.87	-105.24	32.53
		627	270.65	29.72	-18.09	-17.92	29.54	2.89	-0.14	-93.66	-14.58	-79.21	-33.79
		616	262.78	32.26	-75.06	-75.04	32.24	-1.55	30.23	-69.30	-32.09	-6.97	-48.15
		338	862.48	-3.80	-85.37	-85.22	-3.94	-3.44	-31.84	-317.54	-316.37	-33.00	18.17
429	8	512	618.97	102.81	-84.08	52.25	-33.53	83.02	-47.57	-236.00	-195.63	-87.95	77.32
		627	279.88	63.86	-124.56	33.85	-94.56	68.94	13.75	-64.39	13.74	-64.38	-0.70
		616	179.39	-11.71	-156.24	-73.59	-94.36	71.51	-32.99	-58.23	-47.09	-44.13	-12.53
		338	773.20	24.18	-145.53	-87.63	-33.72	80.45	-47.20	-276.95	-256.45	-67.70	65.49
429	9	512	543.32	19.25	-32.10	11.93	-24.78	17.95	-59.54	-224.51	-218.35	-65.69	31.26
		627	167.56	10.61	-41.33	4.88	-35.60	16.27	-1.08	-62.20	-17.85	-45.43	-27.27
		616	224.57	-20.76	-53.05	-38.87	-34.94	16.03	15.55	-72.57	-50.84	-6.18	-37.98
		338	671.07	-14.61	-56.01	-45.19	-25.43	18.19	-24.58	-253.20	-251.34	-26.44	20.55
429	10	512	542.33	63.69	-51.82	32.04	-20.17	51.52	-52.07	-217.89	-193.10	-76.86	59.12
		627	194.00	38.91	-76.59	19.26	-56.94	43.41	-0.52	-57.43	-1.44	-56.50	-7.21
		616	159.69	-11.90	-101.19	-56.55	-56.54	44.64	-17.82	-60.29	-49.47	-28.63	-18.50
		338	687.09	11.69	-98.98	-66.72	-20.56	50.29	-37.75	-252.38	-241.13	-48.99	47.83
429	11	512	521.66	1.83	-9.95	-6.67	-1.46	-5.28	-69.70	-219.89	-215.79	-73.80	24.46
		627	186.91	19.24	-12.02	-11.90	19.12	1.93	-2.79	-66.56	-14.02	-55.34	-24.29
		616	198.28	20.95	-50.29	-50.27	20.93	-1.05	20.17	-54.10	-29.56	-4.36	-34.94
		338	628.81	-3.17	-57.21	-57.11	-3.27	-2.31	-21.92	-232.25	-231.34	-22.83	13.82
430	1	338	1307.79	0.92	-113.06	-69.37	-42.77	55.41	138.07	-392.25	-388.17	133.99	46.33
		616	873.64	-40.36	-145.69	-84.41	-101.64	51.95	332.52	92.51	132.79	292.23	-89.70
		628	176.20	16.84	-115.09	-0.83	-97.41	44.93	27.30	-26.80	25.64	-25.14	-9.32
		516	1333.07	35.43	-94.28	-11.85	-47.00	62.43	-138.39	-540.31	-495.33	-183.38	126.71
430	2	338	1288.16	23.03	-119.03	-84.51	-11.48	60.92	120.83	-385.65	-377.83	113.01	62.45
		616	747.59	-25.79	-144.96	-100.47	-70.28	57.64	289.44	102.85	133.05	259.24	-68.72
		628	218.29	19.12	-95.89	-10.85	-65.92	50.48	32.66	-41.61	32.55	-41.50	2.86
		516	1324.49	48.85	-87.49	-22.80	-15.85	68.08	-135.35	-530.71	-478.33	-187.73	134.03
430	3	338	1280.08	0.82	-150.07	-92.22	-57.03	73.37	131.83	-376.73	-362.80	117.90	83.01
		616	716.17	-33.26	-176.55	-108.05	-101.75	71.57	270.30	113.54	132.03	251.81	-50.57
		628	253.58	20.63	-134.11	-15.61	-97.87	65.54	27.52	-46.59	25.94	-45.01	10.69
		516	1340.39	36.37	-125.73	-28.44	-60.92	79.40	-119.38	-528.43	-468.89	-178.92	144.26
430	4	338	1171.22	-22.10	-86.67	-82.37	-26.40	16.09	136.09	-338.31	-335.19	132.97	38.37
		616	793.33	-31.36	-102.36	-97.51	-36.21	17.91	323.75	109.19	152.40	280.54	-86.05
		628	187.03	5.03	-39.18	-0.58	-33.57	14.71	59.05	-12.56	57.54	-11.05	-10.29
		516	1150.77	-1.63	-42.60	-15.19	-29.03	19.28	-117.01	-471.67	-430.06	-158.62	114.13
430	5	338	1180.80	-15.52	-87.91	-82.43	-21.00	19.15	134.58	-341.92	-338.74	131.40	38.79
		616	793.87	-28.45	-103.71	-97.59	-34.57	20.57	323.39	108.02	151.67	279.74	-86.58
		628	186.08	6.17	-39.49	-1.51	-31.81	17.08	57.44	-15.26	55.88	-13.71	-10.52
		516	1163.61	3.16	-42.80	-15.88	-23.76	22.64	-120.10	-476.48	-434.53	-162.05	114.85
430	6	338	1180.83	-22.46	-88.40	-82.10	-28.76	19.38	136.93	-341.65	-338.37	133.64	39.52
		616	800.09	-34.19	-104.17	-97.22	-41.13	20.92	324.78	108.33	151.34	281.78	-86.36
		628	183.52	5.86	-45.36	-1.09	-38.42	17.53	56.26	-13.89	54.63	-12.25	-10.57
		516	1165.60	0.65	-47.62	-15.50	-31.48	22.77	-118.40	-477.06	-435.07	-160.39	115.31
430	7	338	1167.22	-21.65	-87.89	-82.38	-27.16	18.30	135.84	-336.90	-333.66	132.60	39.00

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		616	792.46	-32.59	-103.64	-97.53	-38.70	19.93	322.43	109.06	152.00	279.49	-85.55
		628	186.51	5.59	-42.64	-1.03	-36.01	16.60	58.09	-13.35	56.57	-11.83	-10.32
		516	1150.30	0.09	-45.47	-15.53	-29.85	21.63	-116.92	-470.90	-429.10	-158.72	114.23
430	8	338	996.32	4.31	-129.10	-78.78	-46.01	64.66	108.06	-286.40	-274.58	96.24	67.25
		616	583.01	-26.18	-152.27	-92.45	-86.01	62.96	218.25	97.46	113.47	202.25	-40.95
		628	209.58	19.55	-115.13	-12.97	-82.61	57.64	26.33	-35.42	25.46	-34.55	7.26
		516	1052.91	34.45	-107.81	-23.95	-49.40	69.98	-91.40	-411.74	-362.58	-140.55	115.46
430	9	338	914.41	-3.56	-71.43	-48.13	-26.86	32.22	94.87	-275.64	-272.85	92.08	32.02
		616	592.87	-28.64	-89.77	-58.17	-60.24	30.55	228.92	64.46	91.74	201.65	-61.17
		628	120.93	9.48	-67.94	-0.85	-57.61	26.33	20.52	-18.66	19.73	-17.88	-5.49
		516	923.49	18.85	-56.97	-8.63	-29.49	36.45	-96.48	-375.82	-344.86	-127.44	87.70
430	10	338	895.92	-3.64	-91.97	-60.83	-34.78	42.20	90.99	-266.60	-258.75	83.14	52.39
		616	505.17	-23.99	-107.61	-71.30	-60.30	41.45	194.29	76.22	91.32	179.19	-39.43
		628	160.86	11.50	-78.43	-9.07	-57.87	37.77	20.54	-29.56	19.90	-28.92	5.62
		516	926.31	19.35	-74.42	-17.85	-37.22	45.87	-86.07	-369.07	-330.17	-124.96	97.45
430	11	338	843.95	-15.34	-58.94	-55.20	-19.08	12.21	94.24	-247.53	-245.18	91.89	28.23
		616	551.81	-22.49	-69.42	-65.29	-26.62	13.31	224.56	73.32	102.04	195.84	-59.32
		628	124.81	3.37	-29.21	-1.00	-24.84	11.10	36.65	-11.53	35.84	-10.72	-6.19
		516	830.56	-0.47	-31.05	-10.66	-20.86	14.41	-85.38	-340.67	-311.38	-114.67	81.36
431	1	516	1175.50	-1.89	-71.42	-18.25	-55.07	29.49	-97.72	-479.64	-477.16	-100.20	-30.67
		628	258.63	11.73	-47.28	-18.25	-17.30	29.50	28.05	-73.73	21.53	-67.21	-24.93
		617	344.08	-5.50	-91.06	-79.26	-17.30	29.50	114.10	1.36	46.12	69.34	-55.16
		344	1314.33	-35.28	-99.04	-79.26	-55.07	29.49	43.81	-460.05	-452.58	36.34	-60.91
431	2	516	1118.58	-20.64	-50.11	-30.77	-39.98	13.99	-108.47	-458.79	-457.37	-109.89	-22.21
		628	260.05	9.48	-35.64	-30.77	4.61	14.00	15.84	-81.94	15.76	-81.85	-2.94
		617	269.73	6.90	-81.17	-78.89	4.61	14.00	101.12	29.99	61.27	69.84	-35.30
		344	1218.60	-35.47	-83.40	-78.89	-39.98	13.99	48.28	-418.33	-411.86	41.80	-54.58
431	3	516	1115.19	-30.29	-81.83	-42.15	-69.97	21.69	-104.10	-455.49	-454.77	-104.82	-15.91
		628	244.16	0.17	-53.28	-42.15	-10.95	21.70	9.08	-84.34	8.00	-83.26	9.98
		617	262.31	-4.92	-89.05	-83.02	-10.95	21.70	95.43	38.38	63.14	70.67	-28.28
		344	1187.04	-53.84	-99.15	-83.02	-69.97	21.69	55.56	-406.08	-399.64	49.11	-54.17
431	4	516	1001.50	-11.83	-72.63	-11.92	-72.54	-2.33	-90.25	-409.76	-406.01	-94.00	-34.43
		628	269.02	10.99	-12.15	-11.92	10.76	-2.32	47.32	-63.63	45.21	-61.52	-15.15
		617	318.17	10.82	-79.09	-79.03	10.76	-2.32	126.26	46.89	89.90	83.24	-39.54
		344	1097.24	-71.79	-79.78	-79.03	-72.54	-2.33	58.99	-369.55	-361.32	50.76	-58.83
431	5	516	1009.51	-13.17	-66.91	-13.27	-66.81	-2.31	-92.90	-414.55	-410.83	-96.62	-34.38
		628	275.02	14.05	-13.46	-13.27	13.85	-2.30	46.19	-66.09	44.07	-63.96	-15.31
		617	316.27	13.91	-79.73	-79.67	13.85	-2.30	125.29	45.01	88.58	81.73	-39.99
		344	1110.43	-66.41	-80.07	-79.67	-66.81	-2.31	57.30	-374.55	-366.32	49.06	-59.07
431	6	516	1016.37	-13.18	-72.90	-13.18	-72.90	-0.33	-91.02	-415.82	-412.14	-94.70	-34.40
		628	268.87	9.39	-13.19	-13.18	9.39	-0.32	45.89	-64.70	43.57	-62.38	-15.84
		617	319.32	9.39	-79.72	-79.72	9.39	-0.32	125.87	43.67	87.23	82.30	-41.03
		344	1115.18	-72.88	-79.74	-79.72	-72.90	-0.33	58.30	-376.80	-368.48	49.98	-59.59
431	7	516	999.85	-12.85	-72.19	-12.88	-72.16	-1.30	-90.52	-409.42	-405.73	-94.21	-34.13
		628	269.53	10.32	-12.95	-12.88	10.25	-1.29	46.72	-64.17	44.69	-62.14	-14.88
		617	317.83	10.27	-79.42	-79.40	10.25	-1.29	125.61	46.06	89.30	82.37	-39.62
		344	1096.17	-71.93	-79.63	-79.40	-72.16	-1.30	58.55	-369.37	-361.11	50.29	-58.87
431	8	516	864.77	-23.82	-66.91	-35.96	-54.76	19.39	-84.92	-353.60	-353.04	-85.48	-12.23
		628	214.09	2.68	-45.70	-35.96	-7.05	19.39	12.73	-70.87	11.08	-69.22	11.62
		617	216.01	-1.72	-77.63	-72.30	-7.05	19.39	76.30	37.34	59.64	54.01	-19.27
		344	911.30	-42.25	-84.81	-72.30	-54.76	19.39	43.11	-309.84	-304.48	37.75	-43.13
431	9	516	814.76	-4.80	-46.74	-11.77	-39.77	15.62	-67.66	-332.36	-330.56	-69.47	-21.78
		628	177.23	5.59	-25.83	-11.77	-8.46	15.62	19.86	-50.63	15.42	-46.19	-17.13
		617	234.48	-3.51	-57.75	-52.80	-8.46	15.62	81.17	3.81	33.74	51.24	-37.67
		344	910.28	-29.36	-63.20	-52.80	-39.77	15.62	33.15	-317.42	-312.24	27.96	-42.32
431	10	516	779.14	-20.44	-52.66	-25.05	-48.05	11.28	-71.29	-318.86	-318.11	-72.04	-13.58
		628	165.84	0.12	-30.11	-25.05	-4.94	11.29	7.98	-55.19	7.90	-55.11	2.26
		617	188.61	-2.51	-57.32	-54.89	-4.94	11.29	70.75	24.43	43.19	51.98	-22.74
		344	839.64	-39.67	-63.26	-54.89	-48.05	11.28	39.67	-287.44	-282.82	35.06	-38.58
431	11	516	726.33	-8.93	-49.70	-8.95	-49.68	-0.95	-63.95	-296.90	-294.43	-66.42	-23.86
		628	182.79	6.42	-9.01	-8.95	6.36	-0.95	29.66	-45.51	27.67	-43.51	-12.09
		617	219.33	6.38	-53.07	-53.05	6.36	-0.95	87.35	27.68	56.58	58.45	-29.82
		344	799.76	-49.43	-53.30	-53.05	-49.68	-0.95	41.18	-271.15	-265.51	35.54	-41.59
432	1	344	1447.77	26.36	-99.22	-77.86	5.00	47.18	66.71	-484.92	-484.51	66.30	15.04
		617	439.37	-17.33	-114.62	-77.86	-54.09	47.17	165.04	74.36	91.22	148.18	-35.28
		629	393.61	25.13	-82.18	-2.95	-54.09	47.17	-11.00	-143.58	-14.37	-140.21	-20.87
		520	1391.99	48.37	-46.32	-2.95	5.00	47.18	-219.76	-592.44	-590.10	-222.10	29.44
432	2	344	1308.23	6.64	-93.19	-79.49	-7.06	34.35	68.67	-432.55	-431.68	67.81	20.81
		617	382.68	-18.83	-98.94	-79.49	-38.28	34.35	146.91	84.63	92.61	138.92	-20.82
		629	357.18	20.44	-58.37	0.35	-38.28	34.35	3.53	-124.04	2.47	-122.98	-11.59
		520	1230.31	31.20	-37.91	0.35	-7.06	34.35	-191.37	-524.56	-521.83	-194.10	30.04
432	3	344	1280.25	-2.14	-101.78	-82.33	-21.59	39.49	75.62	-418.84	-417.77	74.55	23.00

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		617	387.82	-21.91	-108.14	-82.33	-47.73	39.49	146.62	86.99	92.84	140.78	-17.74
		629	356.80	22.85	-69.82	0.76	-47.73	39.49	5.31	-120.78	4.13	-119.60	-12.16
		520	1194.11	30.63	-51.46	0.76	-21.59	39.49	-183.30	-509.01	-506.48	-185.83	28.57
432	4	344	1192.17	-5.19	-94.78	-79.19	-20.78	33.97	82.06	-382.56	-381.79	81.29	18.86
		617	449.61	-23.02	-99.73	-79.19	-43.57	33.97	172.15	102.83	122.45	152.53	-31.22
		629	369.67	21.49	-61.31	3.75	-43.57	33.97	22.34	-117.70	19.67	-115.03	-19.15
		520	1139.59	27.61	-44.64	3.75	-20.78	33.97	-183.09	-487.74	-484.57	-186.27	30.94
432	5	344	1205.10	-3.20	-93.96	-79.98	-17.17	32.76	80.57	-387.70	-386.95	79.81	18.81
		617	445.93	-22.40	-98.61	-79.98	-41.03	32.76	171.18	101.79	121.38	151.59	-31.24
		629	370.53	20.89	-58.36	3.57	-41.03	32.76	21.23	-119.27	18.58	-116.63	-19.11
		520	1151.63	27.56	-41.16	3.57	-17.17	32.76	-185.26	-492.89	-489.75	-188.40	30.94
432	6	344	1214.13	-3.71	-95.59	-79.74	-19.56	34.71	81.75	-390.76	-390.03	81.02	18.48
		617	452.00	-23.09	-101.00	-79.74	-44.35	34.70	173.15	101.17	121.12	153.19	-32.22
		629	372.49	21.77	-62.56	3.55	-44.35	34.70	20.04	-120.24	17.12	-117.32	-20.03
		520	1161.66	28.58	-44.58	3.55	-19.56	34.71	-186.43	-497.10	-494.04	-189.49	30.67
432	7	344	1192.26	-4.58	-95.11	-79.51	-20.18	34.19	81.88	-382.52	-381.76	81.12	18.77
		617	449.37	-22.97	-100.18	-79.51	-43.64	34.19	171.98	102.37	122.13	152.23	-31.39
		629	369.89	21.55	-61.57	3.62	-43.64	34.19	21.99	-118.07	19.25	-115.33	-19.41
		520	1139.73	27.92	-44.48	3.62	-20.18	34.19	-183.30	-487.78	-484.64	-186.43	30.74
432	8	344	991.40	0.94	-87.25	-71.77	-14.54	33.55	63.75	-318.53	-317.50	62.71	19.82
		617	323.07	-17.56	-92.53	-71.77	-38.33	33.55	120.39	77.09	82.98	114.49	-14.85
		629	286.66	19.21	-57.88	-0.35	-38.33	33.55	10.27	-94.11	9.17	-93.01	-10.67
		520	924.82	26.85	-41.73	-0.35	-14.54	33.55	-142.47	-393.63	-391.31	-144.79	24.00
432	9	344	995.15	13.38	-65.69	-52.04	-0.27	29.88	46.72	-333.80	-333.51	46.42	10.54
		617	299.15	-12.74	-74.76	-52.04	-35.45	29.88	113.46	52.72	63.48	102.70	-23.19
		629	271.83	16.40	-52.67	-0.81	-35.45	29.88	-5.99	-98.40	-8.00	-96.40	-13.47
		520	953.81	29.35	-30.42	-0.81	-0.27	29.88	-151.06	-406.61	-405.00	-152.67	20.26
432	10	344	901.92	-2.44	-67.12	-54.52	-15.04	25.61	51.65	-297.08	-296.43	51.01	14.97
		617	270.78	-15.22	-71.21	-54.52	-31.91	25.61	103.24	59.73	64.38	98.59	-13.45
		629	251.53	15.18	-45.84	1.25	-31.91	25.61	3.12	-85.79	2.28	-84.95	-8.64
		520	843.85	19.98	-33.77	1.25	-15.04	25.61	-130.80	-360.26	-358.54	-132.52	19.78
432	11	344	865.19	-3.32	-63.68	-53.09	-13.91	22.96	55.07	-281.49	-281.03	54.61	12.46
		617	305.92	-15.88	-67.25	-53.09	-30.04	22.95	117.76	67.83	80.10	105.49	-21.50
		629	260.01	14.60	-41.84	2.80	-30.04	22.95	11.28	-85.46	9.49	-83.68	-13.01
		520	825.80	18.87	-29.98	2.80	-13.91	22.96	-132.55	-353.63	-351.63	-134.56	20.95
433	1	520	1367.23	6.92	-37.06	-1.27	-28.87	17.12	-125.80	-560.67	-554.36	-132.11	-52.01
		629	376.47	21.00	-14.44	-1.27	7.83	17.13	-33.22	-150.22	-39.65	-143.79	-26.67
		618	557.78	10.42	-105.37	-102.78	7.83	17.13	166.54	-60.17	23.44	82.93	-109.38
		350	1624.51	-25.10	-106.55	-102.78	-28.87	17.12	124.11	-520.76	-491.27	94.62	-134.72
433	2	520	1194.27	4.73	-32.44	2.06	-29.78	9.59	-120.97	-492.53	-486.18	-127.32	-48.16
		629	353.33	18.58	-3.51	2.06	13.01	9.60	-25.11	-139.41	-26.85	-137.67	-13.97
		618	459.51	13.78	-106.36	-105.59	13.01	9.60	150.35	-27.38	47.16	75.81	-87.70
		350	1400.73	-28.58	-106.79	-105.59	-29.78	9.59	114.39	-440.40	-412.18	86.17	-121.89
433	3	520	1172.79	7.32	-40.74	3.36	-36.79	13.21	-122.13	-483.46	-476.21	-129.37	-50.64
		629	359.05	20.79	-6.66	3.36	10.76	13.22	-20.52	-140.39	-21.64	-139.27	-11.56
		618	457.78	12.14	-116.57	-115.20	10.76	13.22	150.87	-18.01	59.20	73.66	-84.13
		350	1360.06	-34.62	-117.36	-115.20	-36.79	13.21	113.40	-425.21	-395.37	83.56	-123.22
433	4	520	1123.21	9.04	-40.87	5.85	-37.68	12.21	-117.02	-462.24	-454.56	-124.71	-50.94
		629	360.21	19.32	-5.22	5.85	8.25	12.21	-3.27	-134.21	-4.97	-132.51	-14.86
		618	469.73	9.45	-115.44	-114.24	8.25	12.21	158.52	-10.35	71.22	76.95	-84.39
		350	1315.28	-35.78	-116.14	-114.24	-37.68	12.21	114.21	-407.83	-378.37	84.75	-120.47
433	5	520	1134.01	8.07	-38.69	5.48	-36.09	10.70	-118.07	-467.06	-459.38	-125.75	-51.19
		629	362.71	18.57	-3.28	5.48	9.81	10.71	-4.45	-135.42	-6.23	-133.65	-15.16
		618	470.73	10.73	-114.65	-113.73	9.81	10.71	159.17	-11.57	70.09	77.51	-85.29
		350	1330.19	-34.65	-115.18	-113.73	-36.09	10.70	114.96	-412.61	-383.06	85.41	-121.33
433	6	520	1147.75	8.92	-41.06	5.63	-37.77	12.40	-118.12	-472.04	-464.30	-125.86	-51.76
		629	363.21	19.56	-5.43	5.63	8.50	12.41	-4.86	-135.91	-6.89	-133.88	-16.15
		618	478.65	9.74	-115.77	-114.54	8.50	12.41	160.50	-13.73	68.90	77.87	-87.00
		350	1345.52	-35.82	-116.49	-114.54	-37.77	12.40	115.70	-418.33	-388.51	85.89	-122.60
433	7	520	1124.28	8.89	-40.69	5.71	-37.50	12.16	-117.10	-462.72	-454.99	-124.84	-51.12
		629	361.17	19.38	-5.12	5.71	8.55	12.17	-3.25	-134.47	-5.02	-132.71	-15.11
		618	471.05	9.74	-115.56	-114.37	8.55	12.17	158.77	-10.88	71.08	76.81	-84.77
		350	1317.22	-35.62	-116.25	-114.37	-37.50	12.16	114.26	-408.48	-378.89	84.68	-120.79
433	8	520	904.14	4.86	-30.88	1.83	-27.85	9.95	-99.83	-374.61	-368.50	-105.94	-40.52
		629	298.42	17.61	-4.45	1.83	11.32	9.96	-10.99	-113.87	-11.38	-113.48	-6.30
		618	357.88	12.21	-99.59	-98.69	11.32	9.96	118.67	-7.45	57.15	54.07	-63.04
		350	1043.32	-26.48	-100.06	-98.69	-27.85	9.95	86.12	-324.48	-299.97	61.61	-97.27
433	9	520	938.19	4.96	-26.11	0.33	-21.48	11.07	-86.21	-384.32	-379.85	-90.68	-36.25
		629	258.04	13.85	-8.73	0.33	4.79	11.07	-21.59	-102.91	-25.91	-98.59	-18.24
		618	384.11	6.39	-71.78	-70.18	4.79	11.07	116.92	-38.57	18.59	59.75	-74.97
		350	1114.93	-19.08	-72.58	-70.18	-21.48	11.07	88.07	-355.76	-335.34	67.65	-92.98
433	10	520	830.10	5.43	-28.40	2.90	-25.88	8.89	-84.17	-341.43	-336.43	-89.16	-35.49

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		629	247.74	13.73	-4.41	2.90	6.42	8.90	-14.72	-97.27	-15.91	-96.08	-9.84
		618	327.16	7.36	-78.02	-77.08	6.42	8.90	108.00	-14.94	38.46	54.60	-60.94
		350	968.01	-24.38	-78.58	-77.08	-25.88	8.89	82.10	-302.65	-282.06	61.51	-86.59
433	11	520	816.18	6.34	-28.60	4.16	-26.42	8.44	-81.95	-335.08	-329.82	-87.22	-36.11
		629	250.01	13.13	-3.80	4.16	5.16	8.45	-5.95	-94.85	-7.71	-93.09	-12.40
		618	338.36	6.03	-77.58	-76.71	5.16	8.45	113.27	-12.48	43.85	56.94	-62.54
		350	959.93	-25.04	-78.09	-76.71	-26.42	8.44	83.38	-298.83	-278.26	62.81	-86.25
434	1	350	1968.67	-33.77	-131.58	-105.62	-59.73	43.19	130.47	-649.12	-646.42	127.77	-45.79
		618	773.17	7.82	-122.04	-105.62	-8.60	43.16	310.08	132.75	201.40	241.43	-86.38
		620	553.58	17.27	-80.59	-54.71	-8.60	43.16	191.40	12.47	145.07	58.81	-78.38
		416	1828.81	-13.96	-100.48	-54.71	-59.73	43.19	-52.66	-704.95	-702.75	-54.86	-37.80
434	2	350	1700.59	-27.99	-125.37	-107.82	-45.54	37.43	119.56	-551.24	-549.27	117.59	-36.34
		618	725.42	4.08	-120.33	-107.82	-8.42	37.41	290.06	136.49	205.30	221.26	-76.37
		620	521.12	15.40	-67.17	-43.35	-8.42	37.41	184.65	15.88	150.80	49.73	-67.57
		416	1561.41	-7.00	-81.89	-43.35	-45.54	37.43	-52.57	-605.14	-603.76	-53.94	-27.54
434	3	350	1657.42	-24.46	-133.94	-116.77	-41.62	39.81	118.43	-532.82	-530.86	116.48	-35.63
		618	745.97	2.62	-130.03	-116.77	-10.64	39.79	296.13	141.75	216.25	221.64	-77.14
		620	540.20	15.06	-72.23	-46.53	-10.64	39.79	191.50	17.37	160.32	48.54	-66.76
		416	1515.99	-4.19	-83.96	-46.53	-41.62	39.81	-55.42	-587.98	-586.79	-56.62	-25.24
434	4	350	1617.77	-22.18	-136.15	-115.75	-42.58	43.68	121.94	-515.95	-514.24	120.23	-32.98
		618	770.16	3.86	-131.69	-115.75	-12.08	43.67	304.82	147.43	228.77	223.48	-78.65
		620	573.96	14.14	-84.80	-58.58	-12.08	43.67	199.99	15.03	168.86	46.16	-69.20
		416	1489.20	-6.17	-94.99	-58.58	-42.58	43.68	-56.02	-575.22	-574.15	-57.09	-23.54
434	5	350	1633.50	-23.26	-135.17	-115.42	-43.02	42.67	122.65	-521.61	-519.87	120.91	-33.43
		618	771.42	3.88	-130.66	-115.42	-11.36	42.65	305.84	147.55	228.67	224.73	-79.12
		620	573.02	14.42	-81.91	-56.13	-11.36	42.65	200.29	14.96	168.64	46.61	-69.74
		416	1502.71	-6.41	-92.74	-56.13	-43.02	42.67	-56.11	-581.01	-579.90	-57.21	-24.05
434	6	350	1653.64	-23.21	-136.89	-116.13	-43.96	43.92	123.53	-528.73	-526.93	121.73	-34.23
		618	777.74	4.10	-132.16	-116.13	-11.93	43.90	308.15	147.79	229.30	226.64	-80.17
		620	578.02	14.47	-84.93	-58.53	-11.93	43.90	201.34	14.89	168.91	47.32	-70.67
		416	1523.33	-6.73	-95.76	-58.53	-43.96	43.92	-56.45	-588.47	-587.31	-57.60	-24.73
434	7	350	1620.55	-22.22	-136.14	-115.90	-42.46	43.54	122.11	-516.85	-515.12	120.38	-33.23
		618	771.68	3.77	-131.73	-115.90	-12.05	43.52	305.50	147.50	229.08	223.92	-78.96
		620	574.59	14.17	-84.30	-58.08	-12.05	43.52	200.36	15.02	169.08	46.30	-69.42
		416	1491.33	-6.03	-94.51	-58.08	-42.46	43.54	-56.16	-576.20	-575.12	-57.24	-23.69
434	8	350	1284.47	-17.38	-112.70	-100.07	-30.01	32.32	94.28	-408.58	-407.20	92.91	-26.27
		618	614.35	0.88	-110.41	-100.07	-9.46	32.30	242.62	117.49	182.79	177.32	-62.51
		620	446.84	12.02	-58.05	-36.57	-9.46	32.30	158.56	13.10	135.22	36.43	-53.39
		416	1170.90	-0.81	-65.77	-36.57	-30.01	32.32	-47.26	-455.49	-454.77	-47.98	-17.15
434	9	350	1346.97	-22.88	-89.70	-71.97	-40.62	29.50	90.35	-443.50	-441.64	88.50	-31.39
		618	531.78	5.43	-83.20	-71.97	-5.80	29.48	213.51	93.01	140.07	166.45	-58.79
		620	381.92	11.71	-55.42	-37.90	-5.80	29.48	132.65	9.73	101.74	40.64	-53.33
		416	1249.68	-9.72	-68.79	-37.90	-40.62	29.50	-35.81	-481.49	-479.98	-37.32	-25.93
434	10	350	1174.05	-17.90	-90.82	-78.16	-30.56	27.62	83.66	-378.88	-377.45	82.22	-25.75
		618	516.42	2.51	-87.61	-78.16	-6.94	27.61	205.66	98.11	148.32	155.45	-53.66
		620	374.53	10.46	-50.75	-33.35	-6.94	27.61	132.69	12.46	110.22	34.93	-46.87
		416	1075.82	-4.30	-59.61	-33.35	-30.56	27.62	-37.35	-416.50	-415.55	-38.30	-18.96
434	11	350	1171.92	-17.12	-92.55	-77.81	-31.86	29.91	86.49	-376.61	-375.26	85.14	-24.97
		618	533.91	3.36	-88.82	-77.81	-7.65	29.89	212.26	101.55	155.57	158.23	-55.34
		620	395.46	10.16	-57.83	-40.02	-7.65	29.89	138.14	11.10	114.99	34.25	-49.04
		416	1079.86	-5.75	-66.12	-40.02	-31.86	29.91	-37.92	-416.77	-415.85	-38.84	-18.67
435	1	619	390.48	33.76	-20.20	33.53	-19.98	3.46	14.48	-130.18	-101.93	-13.77	-57.34
		647	126.08	34.14	14.03	33.53	14.63	3.44	-6.24	-45.69	-20.86	-31.07	-19.05
		633	219.97	14.80	-55.75	-55.58	14.63	3.44	50.36	-35.33	20.69	-5.67	-40.77
		605	416.51	-19.65	-55.92	-55.58	-19.98	3.46	62.50	-111.24	-60.38	11.64	-79.05
435	2	619	349.16	32.33	-18.95	32.08	-18.70	3.54	14.08	-115.33	-88.67	-12.58	-52.34
		647	115.13	32.75	13.44	32.08	14.11	3.52	-4.73	-41.10	-18.36	-27.47	-17.60
		633	199.02	14.30	-52.58	-52.40	14.11	3.52	45.25	-31.50	19.21	-5.45	-36.34
		605	369.77	-18.33	-52.76	-52.40	-18.70	3.54	56.41	-98.08	-51.10	9.43	-71.07
435	3	619	334.68	31.06	-21.64	30.91	-21.49	2.88	13.89	-110.23	-84.16	-12.18	-50.55
		647	110.99	31.39	14.12	30.91	14.61	2.86	-4.13	-39.54	-17.48	-26.19	-17.16
		633	191.69	14.73	-52.38	-52.26	14.61	2.86	43.42	-30.31	18.59	-5.47	-34.84
		605	353.97	-21.22	-52.52	-52.26	-21.49	2.88	54.10	-93.66	-48.10	8.54	-68.24
435	4	619	303.39	26.49	-22.72	26.48	-22.71	0.75	12.81	-100.44	-76.28	-11.36	-46.40
		647	94.77	26.51	12.31	26.48	12.34	0.73	-3.63	-34.42	-14.89	-23.16	-14.83
		633	166.82	12.35	-50.51	-50.50	12.34	0.73	41.74	-21.72	19.68	0.34	-30.23
		605	323.66	-22.69	-50.52	-50.50	-22.71	0.75	52.62	-82.19	-41.71	12.14	-61.79
435	5	619	307.61	26.69	-22.57	26.68	-22.56	0.83	12.90	-101.92	-77.56	-11.46	-46.94
		647	96.26	26.72	12.33	26.68	12.38	0.81	-3.76	-34.99	-15.19	-23.56	-15.05
		633	169.47	12.39	-50.64	-50.63	12.38	0.81	42.18	-22.47	19.72	-8.29e-03	-30.78
		605	328.41	-22.53	-50.65	-50.63	-22.56	0.83	53.11	-83.68	-42.66	12.10	-62.68
435	6	619	312.05	26.72	-23.84	26.72	-23.83	0.63	12.88	-103.53	-79.04	-11.60	-47.44

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		647	97.32	26.74	12.72	26.72	12.75	0.61	-3.89	-35.46	-15.44	-23.92	-15.20
		633	171.50	12.75	-51.39	-51.38	12.75	0.61	42.72	-22.80	19.86	0.06	-31.23
		605	333.41	-23.82	-51.39	-51.38	-23.83	0.63	53.71	-85.08	-43.75	12.38	-63.47
435	7	619	303.90	26.52	-23.16	26.51	-23.16	0.70	12.84	-100.60	-76.35	-11.40	-46.50
		647	95.19	26.54	12.47	26.51	12.50	0.68	-3.61	-34.57	-14.95	-23.22	-14.92
		633	167.43	12.51	-50.75	-50.74	12.50	0.68	41.69	-22.04	19.60	0.05	-30.33
		605	324.12	-23.14	-50.76	-50.74	-23.16	0.70	52.52	-82.45	-41.80	11.87	-61.92
435	8	619	255.91	26.30	-16.95	26.14	-16.80	2.56	10.03	-84.12	-63.92	-10.16	-38.65
		647	85.01	26.58	11.40	26.14	11.84	2.55	-3.08	-29.87	-13.38	-19.56	-13.03
		633	143.41	11.96	-43.89	-43.77	11.84	2.55	32.28	-21.72	14.28	-3.72	-25.46
		605	265.74	-16.56	-44.01	-43.77	-16.80	2.56	39.92	-70.50	-36.26	5.69	-51.07
435	9	619	267.73	21.98	-14.54	21.87	-14.43	1.98	10.63	-89.13	-69.41	-9.08	-39.73
		647	86.44	22.18	9.56	21.87	9.88	1.97	-4.06	-31.49	-14.11	-21.44	-13.22
		633	152.71	9.96	-37.24	-37.15	9.88	1.97	35.38	-24.48	14.66	-3.77	-28.48
		605	288.09	-14.26	-37.33	-37.15	-14.43	1.98	44.21	-76.26	-40.64	8.58	-54.98
435	10	619	236.76	20.49	-15.35	20.41	-15.27	1.66	10.31	-78.05	-59.54	-8.20	-35.95
		647	78.06	20.66	9.61	20.41	9.86	1.65	-2.89	-28.07	-12.24	-18.73	-12.17
		633	136.96	9.92	-35.36	-35.30	9.86	1.65	31.52	-21.69	13.49	-3.67	-25.18
		605	253.40	-15.13	-35.44	-35.30	-15.27	1.66	39.55	-66.50	-33.81	6.86	-48.97
435	11	619	224.19	18.09	-16.57	18.08	-16.57	0.41	9.75	-74.32	-56.70	-7.88	-34.23
		647	70.48	18.10	8.81	18.08	8.83	0.40	-2.75	-25.81	-11.10	-17.46	-11.08
		633	125.70	8.83	-34.82	-34.82	8.83	0.40	31.13	-17.52	14.20	-0.59	-23.18
		605	241.99	-16.56	-34.83	-34.82	-16.57	0.41	39.33	-61.73	-31.39	9.00	-46.32
436	1	605	248.61	-16.67	-130.02	-82.72	-63.97	-55.89	63.21	-19.22	-5.19	49.19	-30.98
		633	272.94	-5.51	-117.64	-71.02	-52.13	-55.27	54.71	-48.13	-46.37	52.95	-13.33
		649	1018.54	67.05	-78.23	42.36	-53.53	-54.57	370.98	16.71	16.71	370.98	-1.11
		621	967.38	76.71	-85.56	53.72	-62.57	-56.59	368.35	56.75	57.89	367.22	-18.75
436	2	605	219.44	-13.97	-116.81	-76.55	-54.23	-50.19	55.94	-15.46	-2.84	43.32	-27.24
		633	247.35	-5.62	-108.24	-65.61	-48.24	-50.57	50.34	-41.99	-39.90	48.25	-13.72
		649	919.69	62.94	-71.51	41.07	-49.65	-49.61	333.29	12.99	12.99	333.29	-1.25
		621	865.66	72.70	-73.67	51.86	-52.83	-51.15	329.13	49.27	50.06	328.35	-14.76
436	3	605	211.64	-14.89	-122.17	-77.60	-59.46	-52.87	53.74	-13.77	-1.97	41.94	-25.64
		633	240.85	-5.58	-112.33	-66.69	-51.22	-52.81	49.04	-39.91	-37.70	46.83	-13.83
		649	888.39	62.79	-76.01	39.36	-52.57	-51.99	320.16	11.25	11.26	320.15	-1.84
		621	837.25	72.17	-80.22	50.05	-58.10	-53.68	315.95	46.30	46.99	315.26	-13.65
436	4	605	213.53	-13.93	-121.95	-75.67	-60.21	-53.45	53.83	-13.84	0.02	39.97	-27.31
		633	224.25	-6.68	-115.70	-65.03	-57.35	-54.37	51.96	-34.47	-33.79	51.28	-7.65
		649	891.82	62.56	-82.16	39.18	-58.77	-53.27	325.00	25.42	25.98	324.44	12.89
		621	819.03	72.46	-81.46	49.78	-58.79	-54.56	313.31	59.60	59.78	313.13	-6.77
436	5	605	216.17	-14.02	-122.38	-75.91	-60.49	-53.63	54.35	-14.41	-0.34	40.28	-27.74
		633	226.42	-6.63	-115.89	-65.25	-57.28	-54.49	51.97	-35.19	-34.47	51.24	-7.92
		649	897.09	62.59	-82.20	39.08	-58.69	-53.40	327.03	25.32	25.82	326.53	12.27
		621	825.35	72.44	-81.83	49.68	-59.07	-54.71	315.79	59.72	59.95	315.57	-7.55
436	6	605	219.70	-14.90	-127.16	-77.71	-64.36	-55.73	55.25	-14.50	-0.55	41.30	-27.90
		633	230.21	-6.56	-119.24	-66.86	-58.94	-56.20	52.75	-35.84	-35.14	52.05	-7.83
		649	910.35	63.62	-84.94	39.02	-60.34	-55.22	331.63	25.51	26.00	331.14	12.21
		621	840.02	73.33	-86.55	49.74	-62.96	-56.71	320.62	60.36	60.60	320.38	-7.86
436	7	605	213.27	-14.16	-123.56	-76.26	-61.46	-54.20	53.69	-13.66	0.04	39.99	-27.11
		633	224.51	-6.64	-116.92	-65.58	-57.99	-55.01	51.69	-34.55	-33.82	50.96	-7.90
		649	889.88	62.76	-83.22	38.95	-59.40	-53.94	323.85	24.73	25.22	323.36	12.16
		621	818.56	72.60	-83.08	49.57	-60.05	-55.27	312.59	58.89	59.08	312.39	-7.04
436	8	605	151.40	-10.75	-97.69	-63.85	-44.59	-42.39	38.45	-7.75	-1.16	31.86	-16.15
		633	185.45	-5.14	-92.58	-54.82	-42.89	-43.31	38.42	-29.07	-27.20	36.55	-11.08
		649	686.37	52.23	-62.71	33.63	-44.11	-42.33	243.88	4.42	4.43	243.87	-1.53
		621	642.22	60.71	-61.45	42.64	-43.37	-43.37	239.38	30.27	30.48	239.17	-6.61
436	9	605	178.35	-11.71	-89.40	-55.85	-45.26	-38.48	45.35	-14.41	-2.96	33.90	-23.52
		633	188.28	-3.68	-80.25	-47.98	-35.95	-37.81	38.10	-33.36	-32.25	37.00	-8.83
		649	705.96	45.16	-53.94	28.08	-36.87	-37.42	258.84	14.97	14.98	258.83	0.68
		621	669.68	51.46	-60.12	35.69	-44.35	-38.87	256.66	43.35	44.27	255.73	-14.00
436	10	605	157.96	-10.72	-85.04	-53.01	-42.76	-36.80	40.11	-11.41	-1.17	29.87	-20.55
		633	170.26	-3.72	-77.30	-45.58	-35.44	-36.44	34.93	-28.77	-27.44	33.60	-9.11
		649	633.59	42.79	-52.70	26.42	-36.33	-35.99	230.60	11.95	11.95	230.59	0.28
		621	597.20	48.93	-57.15	33.64	-41.86	-37.25	227.53	37.56	38.22	226.87	-11.16
436	11	605	162.69	-10.69	-87.85	-53.07	-45.48	-38.39	41.01	-11.87	-0.38	29.51	-21.81
		633	164.57	-4.26	-81.14	-45.67	-39.73	-38.33	37.03	-26.55	-26.02	36.50	-5.77
		649	646.06	43.25	-57.66	26.23	-40.65	-37.78	237.00	19.83	20.14	236.70	8.08
		621	598.73	49.58	-60.67	33.47	-44.56	-38.94	230.06	45.43	45.77	229.72	-7.95
437	1	621	933.38	34.60	-166.47	32.74	-164.61	-19.25	312.58	1.98	20.76	293.80	-74.04
		649	867.88	41.39	-101.74	39.67	-100.03	-15.57	304.01	8.05	22.47	289.59	-63.73
		634	392.89	-38.36	-103.88	-40.38	-101.86	-11.33	51.12	-99.86	7.51	-56.25	-68.43
		606	460.32	-31.26	-166.97	-35.45	-162.78	-23.49	60.75	-107.00	5.79	-52.04	-78.73
437	2	621	873.18	33.20	-150.36	32.03	-149.19	-14.60	293.39	2.72	20.55	275.56	-69.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		649	804.81	39.70	-84.59	38.75	-83.65	-10.82	281.83	4.64	17.64	268.83	-58.61
		634	366.09	-37.31	-86.35	-38.20	-85.46	-6.55	49.14	-94.99	6.24	-52.08	-65.90
		606	437.06	-30.47	-150.42	-33.51	-147.38	-18.87	63.60	-99.80	9.15	-45.35	-77.02
437	3	621	860.48	32.45	-163.91	30.46	-161.92	-19.68	286.60	3.02	20.09	269.53	-67.46
		649	792.62	38.97	-97.20	37.10	-95.34	-15.82	274.61	3.32	15.73	262.20	-56.67
		634	356.98	-36.40	-99.33	-38.58	-97.16	-11.50	49.96	-87.96	5.13	-43.13	-64.60
		606	427.47	-29.58	-164.51	-34.00	-160.09	-24.00	65.56	-91.87	9.49	-35.81	-75.38
437	4	621	819.52	30.30	-158.75	28.62	-157.08	-17.72	280.23	23.09	33.79	269.53	-51.35
		649	779.76	35.72	-103.17	34.19	-101.64	-14.51	274.66	19.04	25.55	268.14	-40.29
		634	246.74	-27.71	-104.74	-29.29	-103.16	-10.91	38.64	-50.52	15.24	-27.11	-39.23
		606	325.03	-22.04	-158.96	-25.44	-155.56	-21.32	54.86	-57.12	23.48	-25.73	-50.29
437	5	621	823.10	30.31	-159.58	28.54	-157.81	-18.28	281.20	22.30	33.34	270.17	-52.30
		649	783.01	35.79	-104.38	34.14	-102.73	-15.10	275.63	18.76	25.60	268.79	-41.35
		634	253.94	-28.20	-106.00	-29.94	-104.25	-11.51	39.04	-52.73	14.93	-28.61	-40.39
		606	331.02	-22.47	-159.86	-26.04	-156.29	-21.86	54.79	-59.37	22.66	-27.24	-51.34
437	6	621	835.01	30.59	-167.28	28.43	-165.12	-20.53	284.12	22.26	33.25	273.12	-52.52
		649	794.94	36.14	-111.18	34.08	-109.12	-17.29	278.91	19.07	25.98	272.00	-41.80
		634	255.45	-28.12	-112.92	-30.37	-110.66	-13.65	39.74	-51.32	14.82	-26.40	-40.60
		606	332.14	-22.33	-167.72	-26.46	-163.58	-24.17	54.93	-58.11	22.10	-25.28	-51.32
437	7	621	820.57	30.31	-162.22	28.40	-160.32	-19.07	279.68	22.20	33.11	268.77	-51.86
		649	780.26	35.80	-106.53	34.01	-104.74	-15.85	273.97	18.34	25.05	267.26	-40.85
		634	250.46	-28.12	-108.19	-30.04	-106.27	-12.24	39.21	-50.84	14.86	-26.49	-40.00
		606	328.22	-22.38	-162.56	-26.15	-158.79	-22.68	55.33	-57.38	22.92	-24.98	-51.01
437	8	621	687.70	27.27	-132.12	25.89	-130.74	-14.76	226.49	-1.40	12.29	212.79	-54.16
		649	627.28	32.82	-76.05	31.59	-74.82	-11.54	215.31	-0.57	8.79	205.96	-43.95
		634	279.49	-32.11	-77.77	-33.52	-76.36	-7.90	40.54	-68.50	4.54	-32.50	-51.28
		606	342.53	-26.27	-132.48	-29.56	-129.19	-18.40	54.94	-72.56	8.04	-25.67	-61.48
437	9	621	637.53	22.95	-114.38	21.58	-113.01	-13.68	215.67	5.93	18.18	203.42	-49.18
		649	597.71	27.36	-71.61	26.07	-70.32	-11.23	210.54	8.39	17.82	201.11	-42.63
		634	261.92	-24.16	-73.02	-25.66	-71.52	-8.44	34.12	-65.54	5.84	-37.26	-44.93
		606	307.15	-19.55	-114.75	-22.49	-111.81	-16.47	41.07	-69.81	6.20	-34.95	-51.48
437	10	621	597.10	21.76	-112.96	20.31	-111.51	-13.91	201.24	6.51	17.81	189.94	-45.52
		649	555.89	26.02	-69.09	24.65	-67.71	-11.37	194.21	5.76	14.07	185.90	-38.70
		634	241.63	-23.07	-70.49	-24.66	-68.90	-8.53	33.42	-58.87	4.52	-29.97	-42.80
		606	288.56	-18.62	-113.38	-21.68	-110.32	-16.75	43.65	-61.32	8.26	-25.93	-49.62
437	11	621	583.28	20.73	-114.83	19.18	-113.29	-14.38	199.87	17.19	25.12	191.94	-37.22
		649	557.32	24.45	-76.86	22.97	-75.37	-12.19	196.59	14.53	19.77	191.35	-30.44
		634	185.77	-18.47	-78.04	-20.10	-76.41	-9.73	27.82	-38.58	9.91	-20.67	-29.47
		606	236.60	-14.59	-115.16	-17.49	-112.25	-16.85	37.92	-42.74	15.26	-20.08	-36.25
438	1	606	202.13	-38.51	-185.87	-61.53	-162.85	-53.50	51.27	-6.01	51.26	-6.00	-0.77
		634	175.17	-30.32	-195.33	-52.66	-172.99	-56.45	27.16	-14.40	1.48	11.28	-20.19
		650	742.32	54.63	-187.52	41.48	-174.37	-54.88	224.45	-6.32	-6.25	224.38	4.09
		622	646.20	64.13	-174.92	50.68	-161.47	-55.07	210.40	40.21	43.53	207.09	23.51
438	2	606	192.30	-36.25	-158.31	-57.73	-136.83	-46.48	49.18	-9.07	49.00	-8.90	-3.17
		634	174.29	-28.67	-167.94	-49.28	-147.33	-49.45	28.13	-17.20	2.61	8.33	-22.48
		650	665.43	51.98	-160.09	40.54	-148.66	-47.90	202.20	-7.19	-7.18	202.20	1.31
		622	571.47	61.07	-147.24	49.34	-135.51	-48.03	187.83	36.36	39.22	184.97	20.61
438	3	606	185.13	-36.72	-179.76	-59.20	-157.28	-52.05	47.66	-0.83	47.29	-0.46	-4.19
		634	184.50	-28.93	-192.03	-50.70	-170.26	-55.47	33.55	-15.57	2.45	15.53	-23.67
		650	675.11	52.75	-184.53	39.86	-171.64	-53.77	199.56	-8.76	-8.75	199.55	-1.60
		622	582.50	62.02	-169.16	48.77	-155.91	-53.74	185.69	33.95	36.09	183.55	17.88
438	4	606	184.69	-31.12	-142.89	-40.65	-133.35	-31.22	59.42	1.38	55.31	5.49	14.89
		634	156.53	-24.20	-154.49	-33.86	-144.83	-34.14	27.46	10.99	11.02	27.43	0.70
		650	666.23	44.27	-151.58	38.64	-145.95	-32.73	207.08	1.57	6.24	202.40	30.64
		622	579.31	51.58	-138.03	45.78	-132.24	-32.63	194.42	36.56	50.52	180.46	44.82
438	5	606	183.78	-31.42	-146.45	-41.74	-136.13	-32.88	58.71	1.05	55.00	4.76	14.15
		634	156.44	-24.43	-159.26	-34.87	-148.82	-36.03	26.53	10.59	10.59	26.53	-0.11
		650	670.27	44.78	-156.09	38.65	-149.97	-34.54	207.42	1.55	5.90	203.07	29.61
		622	582.17	52.23	-141.29	45.92	-134.98	-34.37	194.64	36.98	50.31	181.31	43.87
438	6	606	188.83	-31.87	-158.05	-42.85	-147.08	-35.56	59.09	4.22	55.02	8.29	14.38
		634	171.75	-24.77	-170.60	-35.87	-159.50	-38.68	29.68	10.30	10.30	29.68	-0.02
		650	689.10	45.44	-167.37	38.73	-160.66	-37.19	211.52	1.36	5.52	207.36	29.28
		622	600.90	52.99	-152.82	46.09	-145.92	-37.05	198.81	37.40	50.24	185.97	43.68
438	7	606	185.35	-31.54	-150.30	-42.08	-139.77	-33.77	58.80	2.91	54.92	6.78	14.20
		634	162.98	-24.52	-163.02	-35.17	-152.37	-36.91	28.36	10.76	10.77	28.35	-0.33
		650	671.42	45.02	-159.84	38.70	-153.52	-35.42	206.71	1.19	5.39	202.50	29.09
		622	584.07	52.51	-145.12	46.00	-138.62	-35.26	194.10	36.38	49.54	180.94	43.62
438	8	606	141.85	-30.74	-145.00	-51.08	-124.66	-43.71	37.81	0.25	37.72	0.33	-1.82
		634	159.62	-24.32	-157.57	-43.78	-138.11	-47.05	30.96	-12.56	4.27	14.13	-21.19
		650	523.71	45.52	-150.52	34.34	-139.33	-45.47	150.37	-11.43	-11.37	150.30	-3.19
		622	450.03	53.64	-135.02	42.06	-123.44	-45.29	138.75	19.83	22.08	136.51	16.18
438	9	606	139.74	-25.34	-123.77	-38.78	-110.33	-33.80	36.50	-3.71	36.50	-3.71	0.09

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		634	103.61	-19.92	-129.56	-33.07	-116.41	-35.62	16.22	-6.84	0.98	8.40	-10.92
		650	515.72	35.30	-125.15	27.44	-117.29	-34.64	158.65	-0.96	-0.69	158.38	6.55
		622	448.76	41.37	-117.47	33.34	-109.45	-34.79	148.98	32.13	34.83	146.28	17.56
438	10	606	129.59	-24.35	-120.37	-37.49	-107.23	-33.00	34.39	-0.72	34.30	-0.63	-1.81
		634	108.35	-19.14	-127.74	-31.99	-114.89	-35.07	19.80	-7.52	1.52	10.76	-12.85
		650	477.96	34.25	-123.48	26.54	-115.77	-34.02	144.67	-2.16	-2.08	144.59	3.39
		622	413.19	40.19	-114.27	32.28	-106.36	-34.05	135.19	28.71	30.70	133.20	14.43
438	11	606	126.20	-21.32	-108.65	-28.40	-101.57	-23.83	40.58	2.24	38.59	4.23	8.51
		634	114.25	-16.57	-116.09	-23.75	-108.91	-25.75	18.63	5.88	5.88	18.62	0.29
		650	487.02	30.30	-114.06	25.91	-109.67	-24.81	151.82	2.96	5.85	148.93	20.54
		622	423.37	35.30	-105.32	30.80	-100.81	-24.78	142.50	30.60	38.56	134.54	28.76
439	1	622	755.57	30.87	-220.41	29.94	-219.48	-15.22	236.29	12.61	23.23	225.67	-47.56
		650	705.31	36.67	-191.45	35.82	-190.59	-13.97	216.80	2.11	8.59	210.32	-36.73
		635	391.82	-41.46	-192.67	-42.40	-191.73	-11.89	30.57	-96.14	-0.13	-65.44	-54.29
		607	429.91	-35.69	-219.98	-37.33	-218.34	-17.30	54.90	-90.47	14.51	-50.09	-65.11
439	2	622	697.57	30.38	-185.41	29.95	-184.99	-9.58	221.74	10.31	22.41	209.63	-49.12
		650	645.26	36.15	-157.79	35.79	-157.43	-8.41	200.56	-1.13	6.23	193.20	-37.81
		635	397.36	-41.80	-158.90	-42.15	-158.54	-6.41	29.35	-106.03	-1.10	-75.58	-56.53
		607	435.73	-36.17	-184.78	-37.08	-183.87	-11.58	55.29	-99.35	15.08	-59.14	-67.83
439	3	622	717.19	28.90	-212.00	27.70	-210.79	-16.99	223.56	8.76	21.36	210.97	-50.47
		650	672.01	34.49	-195.25	33.30	-194.06	-16.51	201.66	-3.63	4.01	194.02	-38.87
		635	404.72	-42.21	-196.50	-43.70	-195.01	-15.10	32.75	-99.22	-1.84	-64.63	-58.04
		607	439.70	-36.60	-211.80	-38.56	-209.84	-18.41	60.39	-92.56	15.50	-47.68	-69.64
439	4	622	638.19	34.33	-159.13	33.45	-158.24	13.03	211.46	34.42	36.13	209.74	-17.35
		650	576.31	41.18	-93.49	39.04	-91.34	16.85	195.64	15.49	15.72	195.40	-6.50
		635	246.87	-20.44	-98.93	-26.46	-92.92	20.87	13.11	-70.68	7.05	-64.61	-21.72
		607	306.11	-22.14	-157.27	-22.74	-156.67	9.01	39.30	-62.11	27.46	-50.27	-32.56
439	5	622	643.48	33.43	-164.50	32.85	-163.92	10.66	212.03	33.81	35.72	210.12	-18.38
		650	584.06	39.85	-102.01	38.40	-100.57	14.25	196.25	15.21	15.53	195.93	-7.56
		635	251.61	-23.18	-106.24	-27.33	-102.09	18.08	13.56	-70.07	6.93	-63.43	-22.60
		607	309.24	-23.22	-162.73	-23.55	-162.40	6.83	39.68	-61.80	27.12	-49.25	-33.41
439	6	622	662.82	32.80	-177.34	32.49	-177.03	8.03	216.17	33.54	35.48	214.23	-18.70
		650	604.73	38.89	-116.29	38.03	-115.43	11.50	200.33	14.98	15.31	200.00	-7.84
		635	251.53	-25.28	-119.47	-27.81	-116.93	15.24	14.03	-66.33	6.84	-59.14	-22.94
		607	308.72	-23.89	-175.65	-24.01	-175.53	4.29	40.40	-58.29	27.01	-44.90	-33.80
439	7	622	647.80	33.23	-168.57	32.74	-168.09	9.87	212.56	33.47	35.43	210.60	-18.64
		650	588.88	39.52	-106.68	38.28	-105.44	13.41	196.61	14.63	14.95	196.29	-7.63
		635	248.51	-23.85	-110.52	-27.41	-106.96	17.21	13.88	-67.69	6.95	-60.75	-22.76
		607	306.81	-23.37	-166.83	-23.63	-166.57	6.08	40.54	-59.55	27.43	-46.44	-33.76
439	8	622	580.08	24.61	-173.73	23.55	-172.67	-14.45	178.13	2.10	13.11	167.11	-42.64
		650	541.34	29.42	-161.21	28.36	-160.15	-14.16	159.38	-6.80	-0.53	153.11	-31.67
		635	322.79	-36.78	-162.32	-38.15	-160.95	-13.04	28.43	-77.28	-0.79	-48.05	-47.28
		607	356.54	-31.95	-173.61	-33.69	-171.88	-15.57	52.19	-77.39	12.85	-34.05	-58.25
439	9	622	510.18	20.85	-144.18	20.54	-143.87	-7.12	162.35	14.11	20.02	156.44	-29.00
		650	475.34	24.68	-119.85	24.44	-119.61	-5.95	149.46	5.15	8.66	145.95	-22.23
		635	258.00	-26.15	-120.62	-26.35	-120.42	-4.31	18.07	-65.58	0.36	-47.88	-34.17
		607	284.73	-22.49	-143.69	-23.12	-143.05	-8.76	34.90	-60.56	11.73	-37.39	-40.93
439	10	622	488.53	19.71	-139.46	19.29	-139.05	-8.10	155.15	12.10	18.98	148.27	-30.62
		650	456.61	23.41	-121.90	23.04	-121.53	-7.37	140.96	2.05	6.12	136.90	-23.42
		635	264.56	-26.68	-122.63	-27.07	-122.24	-6.09	19.15	-67.16	-0.59	-47.42	-36.25
		607	289.28	-23.04	-139.10	-23.81	-138.33	-9.38	37.83	-61.60	12.28	-36.05	-43.45
439	11	622	459.50	22.19	-120.52	21.96	-120.29	5.80	151.44	25.48	26.83	150.09	-12.97
		650	419.80	26.31	-78.49	25.67	-77.85	8.20	140.52	12.09	12.39	140.22	-6.18
		635	182.42	-16.39	-80.72	-18.24	-78.87	10.77	9.45	-49.59	4.24	-44.37	-16.75
		607	220.75	-15.62	-119.37	-15.72	-119.27	3.23	27.59	-43.43	18.67	-34.51	-23.54
440	1	607	235.85	-37.50	-193.82	-50.37	-180.95	-42.98	43.49	-22.82	43.35	-22.67	3.09
		635	226.59	-29.58	-248.37	-43.21	-234.73	-52.89	15.31	-22.19	4.27	-11.15	-17.09
		651	619.70	51.93	-244.90	43.51	-236.48	-49.27	161.73	-9.23	-9.23	161.72	-0.94
		623	519.08	61.13	-188.23	52.10	-179.20	-46.59	153.20	26.85	29.85	150.20	19.24
440	2	607	248.94	-35.51	-155.03	-49.49	-141.06	-38.40	41.01	-38.29	40.97	-38.25	-1.80
		635	247.94	-28.46	-214.75	-42.56	-200.66	-49.27	15.28	-36.49	4.22	-25.44	-21.21
		651	541.85	50.47	-210.60	42.33	-202.46	-45.37	141.92	-8.78	-8.69	141.82	-3.71
		623	435.18	59.83	-148.25	50.84	-139.26	-42.30	131.40	25.67	28.06	129.01	15.70
440	3	607	253.54	-35.05	-185.90	-48.98	-171.97	-43.66	39.88	-31.26	39.35	-30.73	-6.13
		635	273.91	-27.29	-263.89	-42.17	-249.00	-57.44	20.16	-34.11	3.97	-17.92	-24.83
		651	568.21	52.66	-260.17	43.54	-251.05	-52.63	139.79	-9.40	-9.03	139.42	-7.41
		623	447.59	62.49	-180.04	52.38	-169.93	-48.48	127.87	25.09	26.35	126.61	11.29
440	4	607	246.85	-32.43	-67.45	-33.31	-66.57	-5.49	54.10	-46.65	45.81	-38.36	27.68
		635	118.12	-27.16	-60.71	-27.93	-59.94	-5.03	15.11	-25.99	12.95	-23.83	9.17
		651	404.75	31.54	-60.82	31.29	-60.56	-4.81	129.40	-6.99	-0.82	123.23	28.36
		623	380.18	36.83	-66.26	36.52	-65.94	-5.71	130.92	9.82	32.04	108.70	46.87
440	5	607	244.46	-32.54	-77.81	-34.03	-76.32	-8.08	53.89	-44.42	45.85	-36.37	26.95

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		635	119.85	-27.10	-75.78	-28.59	-74.28	-8.39	14.68	-23.88	12.75	-21.95	8.42
		651	420.02	32.54	-75.57	31.95	-74.99	-7.92	131.25	-6.75	-1.03	125.53	27.51
		623	390.37	38.00	-76.26	37.36	-75.62	-8.54	132.27	10.91	32.07	111.10	46.05
440	6	607	240.74	-32.42	-92.39	-34.14	-90.67	-10.00	53.91	-40.25	45.78	-32.12	26.45
		635	119.28	-26.85	-93.59	-28.67	-91.78	-10.85	14.59	-19.82	12.63	-17.86	7.97
		651	438.84	33.36	-93.36	32.54	-92.53	-10.21	133.80	-6.57	-1.22	128.45	26.88
		623	404.73	38.93	-90.80	38.05	-89.92	-10.64	134.29	11.83	31.93	114.19	45.36
440	7	607	241.06	-32.36	-81.67	-33.81	-80.23	-8.32	53.65	-42.37	45.78	-34.50	26.33
		635	117.80	-26.88	-81.10	-28.37	-79.61	-8.87	14.62	-21.76	12.89	-20.03	7.75
		651	421.57	32.85	-80.94	32.24	-80.33	-8.33	130.45	-6.74	-1.26	124.97	26.86
		623	390.20	38.35	-80.17	37.68	-79.51	-8.86	131.24	10.90	31.63	110.50	45.45
440	8	607	199.43	-29.79	-154.66	-42.79	-141.65	-38.14	31.93	-22.82	31.51	-22.39	-4.79
		635	233.11	-23.28	-224.64	-36.88	-211.04	-50.53	21.83	-27.16	5.43	-10.75	-23.12
		651	450.66	46.20	-221.10	37.96	-212.86	-46.21	105.06	-11.64	-11.05	104.47	-8.25
		623	349.41	54.96	-149.09	45.70	-139.84	-42.45	94.12	13.74	15.03	92.83	10.09
440	9	607	164.89	-24.66	-118.01	-31.49	-111.17	-24.31	31.19	-19.64	30.79	-19.24	4.47
		635	137.37	-19.61	-146.39	-26.93	-139.08	-29.56	6.15	-14.81	2.83	-11.50	-7.64
		651	409.58	31.98	-144.53	27.56	-140.10	-27.60	112.18	-3.53	-3.42	112.07	3.62
		623	347.63	37.54	-114.83	32.86	-110.15	-26.28	107.32	21.55	24.55	104.33	15.74
440	10	607	171.85	-23.35	-113.55	-30.72	-106.19	-24.70	28.58	-23.72	28.57	-23.72	-0.66
		635	162.48	-18.34	-155.01	-26.35	-147.01	-32.09	8.64	-21.23	2.66	-15.26	-11.95
		651	380.48	32.38	-153.00	27.57	-148.19	-29.46	99.68	-3.31	-3.31	99.68	0.03
		623	307.64	38.23	-110.22	33.02	-105.00	-27.33	93.04	20.78	22.60	91.22	11.32
440	11	607	170.75	-21.56	-61.93	-22.47	-61.02	-6.00	37.08	-29.43	32.14	-24.49	17.44
		635	87.08	-17.92	-60.58	-18.85	-59.66	-6.21	9.10	-16.84	7.48	-15.22	6.28
		651	310.45	21.88	-60.55	21.46	-60.13	-5.89	97.36	-2.75	1.03	93.58	19.08
		623	284.40	25.52	-61.01	25.06	-60.55	-6.31	97.13	12.89	25.70	84.32	30.25
441	1	623	647.84	28.22	-210.43	28.06	-210.27	-6.05	196.24	7.43	20.61	183.06	-48.12
		651	624.07	33.06	-226.28	32.84	-226.06	-7.56	174.23	-5.23	1.83	167.16	-34.90
		636	412.17	-42.57	-226.85	-42.91	-226.51	-7.90	28.53	-98.10	1.30	-70.86	-52.03
		608	431.07	-37.52	-210.01	-37.71	-209.82	-5.72	57.82	-92.71	20.07	-54.96	-65.24
441	2	623	587.06	26.32	-174.54	26.16	-174.38	-5.64	181.95	4.90	20.59	166.26	-50.32
		651	566.41	30.99	-198.82	30.74	-198.56	-7.66	159.28	-7.58	1.34	150.37	-37.52
		636	433.30	-43.27	-199.35	-43.73	-198.89	-8.43	26.96	-111.43	0.22	-84.69	-54.64
		608	445.88	-38.35	-174.23	-38.52	-174.05	-4.87	55.93	-105.27	19.47	-68.80	-67.44
441	3	623	604.01	24.02	-204.79	23.41	-204.18	-11.81	182.31	2.75	20.16	164.91	-53.13
		651	602.08	28.37	-258.04	27.52	-257.19	-15.60	159.22	-10.00	0.06	149.15	-40.02
		636	465.58	-44.66	-258.64	-46.15	-257.14	-17.83	29.44	-109.32	-0.03	-79.85	-56.76
		608	463.12	-40.11	-204.78	-40.67	-204.23	-9.57	59.54	-103.57	20.06	-64.09	-69.86
441	4	623	445.98	42.55	-73.94	35.21	-66.60	28.31	156.50	26.12	28.23	154.39	-16.45
		651	359.77	67.94	-0.81	41.23	25.90	33.51	136.49	7.15	7.36	136.29	-5.16
		636	335.05	44.19	-50.15	-30.05	-24.09	38.63	8.93	-104.39	2.89	-98.36	-25.44
		608	316.94	-15.46	-75.70	-26.37	-64.79	23.20	35.43	-91.92	23.77	-80.26	-36.73
441	5	623	459.07	40.22	-84.11	34.58	-78.46	25.89	158.75	25.90	28.17	156.48	-17.22
		651	374.01	58.69	-11.14	40.49	7.06	30.65	138.83	6.92	7.17	138.57	-5.79
		636	315.31	27.08	-52.38	-30.64	5.35	35.42	9.45	-101.15	3.10	-94.79	-25.74
		608	318.34	-19.15	-84.50	-26.90	-76.75	21.12	36.30	-89.09	24.10	-76.88	-37.17
441	6	623	474.21	38.99	-95.92	34.36	-91.29	24.56	161.35	25.59	27.98	158.96	-17.87
		651	393.08	53.21	-24.37	40.20	-11.36	28.98	141.41	6.66	6.95	141.12	-6.27
		636	298.30	12.60	-56.75	-31.15	-13.01	33.47	9.92	-98.56	3.24	-91.88	-26.08
		608	321.01	-21.42	-95.55	-27.33	-89.64	20.08	37.06	-86.83	24.28	-74.04	-37.69
441	7	623	460.65	40.17	-86.39	34.59	-80.81	25.98	158.60	25.57	27.99	156.18	-17.78
		651	377.08	57.46	-14.68	40.48	2.30	30.60	138.55	6.54	6.83	138.26	-6.18
		636	311.64	23.49	-53.68	-30.81	0.62	35.24	9.74	-100.55	3.18	-93.99	-26.08
		608	319.14	-19.40	-86.75	-27.02	-79.13	21.34	36.91	-88.64	24.34	-76.08	-37.68
441	8	623	496.56	20.43	-173.47	19.81	-172.86	-10.89	146.79	-2.61	12.64	131.54	-45.23
		651	496.26	24.13	-222.39	23.30	-221.55	-14.34	127.17	-11.69	-3.36	118.84	-32.98
		636	373.57	-38.46	-222.95	-39.93	-221.47	-16.42	26.13	-83.74	1.01	-58.61	-46.14
		608	374.86	-34.63	-173.50	-35.19	-172.94	-8.81	51.87	-80.77	17.01	-45.91	-58.39
441	9	623	423.00	19.74	-125.94	19.74	-125.94	0.16	132.14	10.11	17.43	124.83	-28.97
		651	399.10	23.10	-123.00	23.10	-123.00	-0.02	117.27	-0.12	3.70	113.46	-20.81
		636	270.87	-27.16	-123.48	-27.16	-123.47	0.44	16.00	-71.25	0.58	-55.84	-33.28
		608	287.50	-23.87	-125.47	-23.87	-125.47	-0.30	35.72	-65.88	14.31	-44.47	-41.44
441	10	623	398.31	17.22	-122.62	17.15	-122.56	-3.04	124.17	7.75	17.18	114.74	-31.76
		651	386.80	20.27	-140.42	20.14	-140.30	-4.48	108.73	-2.57	2.71	103.45	-23.66
		636	300.48	-28.74	-140.72	-28.97	-140.49	-5.08	16.51	-77.49	-0.15	-60.83	-35.90
		608	305.11	-25.45	-122.42	-25.51	-122.36	-2.44	36.75	-71.98	14.31	-49.54	-44.00
441	11	623	327.13	26.64	-63.24	23.24	-59.84	17.16	113.05	19.91	21.53	111.43	-12.17
		651	270.75	37.24	-13.77	27.19	-3.73	20.29	99.25	6.28	6.54	98.99	-4.90
		636	218.70	11.96	-37.46	-20.63	-4.86	23.42	6.47	-72.32	1.66	-67.51	-18.86
		608	229.27	-13.72	-63.08	-18.10	-58.70	14.03	25.16	-63.58	16.65	-55.07	-26.13
442	1	608	260.75	-32.77	-168.15	-41.13	-159.79	-32.58	41.72	-37.33	41.72	-37.33	0.58

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		636	274.29	-25.70	-253.90	-35.61	-243.99	-46.51	20.21	-34.78	8.98	-23.55	-22.16
		652	537.23	46.44	-251.76	40.47	-245.79	-41.77	128.79	-10.51	-10.39	128.67	-4.09
		624	419.06	54.51	-164.55	47.96	-158.00	-37.32	118.51	18.73	22.35	114.90	18.65
442	2	608	278.98	-30.63	-145.02	-42.04	-133.61	-34.28	40.36	-51.30	40.29	-51.22	-2.63
		636	303.00	-24.39	-242.08	-36.61	-229.86	-50.11	19.08	-47.52	8.23	-36.67	-24.60
		652	501.78	47.06	-238.99	39.87	-231.80	-44.77	119.67	-9.82	-9.58	119.43	-5.58
		624	374.39	55.91	-140.03	47.54	-131.67	-39.61	108.01	19.34	22.48	104.87	16.39
442	3	608	301.16	-28.68	-176.52	-39.11	-166.09	-37.85	39.82	-50.52	39.26	-49.97	-7.04
		636	349.51	-21.57	-306.41	-34.18	-293.80	-58.59	21.98	-48.82	8.05	-34.89	-28.14
		652	529.36	47.87	-303.85	40.09	-296.07	-51.74	114.56	-9.88	-9.30	113.98	-8.49
		624	376.85	57.04	-172.87	47.99	-163.82	-44.71	100.92	19.89	21.91	98.90	12.61
442	4	608	310.99	22.81	-45.48	-44.81	22.13	-6.76	44.78	-72.56	39.71	-67.49	23.87
		636	210.75	44.39	-38.87	-38.68	44.20	-3.96	12.86	-54.20	12.79	-54.13	2.14
		652	291.40	45.17	30.36	31.85	43.67	-4.46	98.69	-8.69	-5.22	95.22	18.99
		624	273.33	39.78	20.37	37.48	22.66	-6.26	102.41	1.16	21.71	81.86	40.72
442	5	608	296.20	9.68	-45.41	-44.16	8.43	-8.21	45.01	-69.26	40.01	-64.26	23.36
		636	189.33	24.48	-38.78	-38.12	23.81	-6.46	12.95	-50.92	12.91	-50.88	1.62
		652	280.79	35.78	19.72	32.29	23.21	-6.63	99.96	-8.59	-5.33	96.70	18.53
		624	280.81	40.07	6.96	37.99	9.04	-8.03	103.23	1.87	21.78	83.32	40.27
442	6	608	283.79	-1.34	-45.11	-43.34	-3.11	-8.61	44.90	-66.89	40.07	-62.06	22.73
		636	172.42	8.18	-38.69	-37.39	6.88	-7.70	13.01	-48.61	12.99	-48.59	1.03
		652	290.12	34.58	4.17	32.53	6.22	-7.62	100.37	-8.47	-5.39	97.28	18.06
		624	286.28	40.05	-4.23	38.27	-2.45	-8.70	103.20	2.30	21.70	83.81	39.76
442	7	608	294.03	8.62	-44.80	-43.66	7.48	-7.72	44.71	-69.03	39.99	-64.30	22.69
		636	186.68	21.19	-38.35	-37.67	20.51	-6.33	13.04	-50.77	13.03	-50.76	0.97
		652	275.92	35.06	17.18	32.37	19.88	-6.40	98.39	-8.51	-5.37	95.25	18.06
		624	276.48	39.92	6.26	38.08	8.11	-7.66	101.51	1.79	21.59	81.71	39.79
442	8	608	238.82	-24.25	-151.22	-33.44	-142.03	-32.90	32.26	-37.13	31.83	-36.69	-5.47
		636	293.91	-18.13	-266.57	-29.22	-255.48	-51.31	23.09	-37.33	8.93	-23.17	-25.59
		652	425.77	41.72	-264.32	34.88	-257.48	-45.24	85.29	-11.74	-10.94	84.49	-8.78
		624	297.01	49.74	-148.03	41.73	-140.03	-38.97	73.08	9.86	11.96	70.97	11.34
442	9	608	179.61	-22.56	-92.31	-27.99	-86.87	-18.69	29.12	-31.90	29.01	-31.79	2.65
		636	168.27	-18.21	-135.71	-24.22	-129.70	-25.88	9.47	-26.88	5.46	-22.88	-11.38
		652	343.16	29.38	-134.15	25.97	-130.74	-23.38	89.54	-4.71	-4.70	89.53	0.69
		624	274.68	34.47	-89.57	30.74	-85.83	-21.20	83.96	15.51	18.84	80.63	14.73
442	10	608	200.24	-20.20	-97.03	-26.87	-90.37	-21.62	27.68	-38.84	27.64	-38.80	-1.58
		636	209.98	-15.91	-164.88	-23.43	-157.37	-32.60	10.41	-34.64	4.95	-29.18	-14.70
		652	338.64	30.18	-163.10	25.75	-158.68	-28.92	81.40	-4.14	-4.10	81.37	-1.75
		624	251.16	35.88	-94.19	30.75	-89.07	-25.30	74.07	16.26	18.59	71.74	11.38
442	11	608	202.04	1.13	-30.17	-29.22	0.17	-5.37	31.02	-48.45	28.09	-45.53	14.96
		636	127.93	10.20	-25.74	-25.21	9.67	-4.32	7.74	-36.84	7.69	-36.79	1.50
		652	207.06	22.97	7.85	21.55	9.26	-4.40	74.31	-4.14	-1.93	72.09	13.00
		624	201.16	26.44	-0.50	25.36	0.58	-5.30	75.61	6.23	18.48	63.36	26.45
443	1	624	597.54	24.40	-187.73	24.40	-187.73	0.97	182.52	6.19	21.83	166.88	-50.13
		652	577.28	27.81	-214.78	27.80	-214.77	-0.99	157.20	-9.09	-2.46	150.58	-32.52
		638	378.95	-31.88	-214.98	-31.90	-214.95	-1.96	32.53	-85.90	7.19	-60.56	-48.56
		610	413.90	-27.84	-187.57	-27.87	-187.55	1.93	69.86	-82.64	31.48	-44.27	-66.18
443	2	624	569.33	20.81	-174.46	20.72	-174.36	-4.30	176.58	5.44	22.57	159.45	-51.37
		652	560.00	23.78	-219.65	23.56	-219.44	-7.28	151.02	-9.84	-2.11	143.30	-34.39
		638	406.52	-30.35	-219.82	-30.80	-219.37	-9.14	31.57	-93.52	6.21	-68.15	-50.29
		610	428.80	-26.88	-174.47	-26.92	-174.42	-2.45	68.45	-89.57	30.89	-52.01	-67.26
443	3	624	574.29	16.19	-205.08	15.71	-204.61	-10.28	173.02	3.49	22.63	153.88	-53.65
		652	591.04	18.33	-291.57	17.54	-290.78	-15.62	146.98	-11.60	-2.58	137.96	-36.73
		638	462.38	-27.67	-291.64	-29.12	-290.19	-19.48	32.27	-97.14	5.76	-70.62	-52.23
		610	457.83	-25.07	-205.42	-25.30	-205.19	-6.42	69.48	-93.21	30.97	-54.71	-69.15
443	4	624	401.06	45.17	-17.66	35.34	-7.83	22.83	151.31	20.84	26.45	145.70	-26.48
		652	386.95	105.28	28.90	41.38	92.81	28.23	127.80	-0.08	0.70	127.02	-9.96
		638	355.73	99.42	-42.88	-34.53	91.06	33.45	16.71	-92.76	8.19	-84.25	-29.32
		610	338.10	3.08	-39.93	-30.77	-6.08	17.61	51.84	-83.47	33.94	-65.58	-45.84
443	5	624	411.13	42.15	-27.96	34.66	-20.46	21.66	152.35	20.69	26.41	146.63	-26.83
		652	376.72	87.53	25.45	40.53	72.44	26.63	128.89	-0.22	0.59	128.09	-10.19
		638	338.63	79.49	-42.99	-34.29	70.79	31.47	17.06	-90.92	8.40	-82.26	-29.32
		610	329.37	-6.85	-42.48	-30.52	-18.81	16.82	52.41	-81.91	34.22	-63.72	-45.97
443	6	624	417.86	40.78	-35.94	34.25	-29.41	21.41	152.75	20.43	26.32	146.87	-27.27
		652	368.12	76.32	21.34	40.01	57.65	26.04	129.26	-0.39	0.48	128.39	-10.53
		638	328.67	65.47	-43.53	-34.13	56.07	30.60	17.32	-90.34	8.49	-81.51	-29.54
		610	325.54	-12.19	-45.99	-30.35	-27.83	16.85	52.82	-81.53	34.33	-63.04	-46.28
443	7	624	408.16	42.38	-27.71	34.52	-19.85	22.12	151.15	20.39	26.34	145.20	-27.26
		652	372.00	86.30	24.56	40.35	70.52	26.93	127.56	-0.41	0.46	126.69	-10.54
		638	340.27	77.84	-43.14	-34.20	68.90	31.65	17.18	-91.84	8.45	-83.11	-29.60
		610	332.88	-5.90	-42.76	-30.43	-18.23	17.40	52.63	-82.90	34.33	-64.60	-46.32
443	8	624	472.92	13.65	-176.49	13.22	-176.05	-9.07	138.97	-1.54	14.96	122.48	-45.23

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		652	488.70	15.44	-254.57	14.73	-253.86	-13.87	116.67	-12.57	-5.28	109.37	-29.82
		638	375.70	-23.72	-254.62	-25.03	-253.31	-17.37	28.16	-74.55	5.84	-52.23	-42.36
		610	373.15	-21.54	-176.80	-21.74	-176.60	-5.57	59.81	-72.86	26.08	-39.13	-57.77
443	9	624	388.68	17.81	-105.32	17.72	-105.23	3.31	123.83	8.51	17.81	114.53	-31.39
		652	365.60	20.40	-107.35	20.33	-107.29	2.92	106.84	-3.40	0.41	103.03	-20.14
		638	244.37	-21.55	-107.71	-21.66	-107.61	3.05	19.43	-62.80	4.56	-47.92	-31.66
		610	274.79	-18.88	-105.03	-18.99	-104.91	3.18	44.66	-59.12	21.95	-36.42	-42.91
443	10	624	375.78	12.96	-114.67	12.90	-114.60	-2.94	118.41	7.15	18.25	107.31	-33.35
		652	373.26	14.80	-149.68	14.63	-149.51	-5.20	101.04	-4.67	0.35	96.02	-22.48
		638	290.82	-19.77	-149.75	-20.11	-149.40	-6.68	19.34	-69.09	3.76	-53.51	-33.69
		610	299.38	-17.55	-114.73	-17.57	-114.71	-1.46	44.55	-65.10	21.67	-42.22	-44.56
443	11	624	289.11	27.95	-22.03	23.20	-17.27	14.67	107.42	16.29	20.30	103.41	-18.69
		652	260.77	55.43	15.75	27.11	44.06	17.94	91.41	1.34	2.04	90.70	-7.93
		638	237.36	49.17	-29.10	-22.90	42.96	21.14	11.53	-65.81	5.28	-59.56	-21.09
		610	230.84	-6.62	-29.93	-20.37	-16.18	11.47	35.81	-59.12	23.53	-46.85	-31.86
444	1	610	246.70	-26.69	-130.83	-27.51	-130.01	9.22	38.50	-40.04	35.71	-37.25	14.55
		638	332.42	-38.19	-213.87	-43.84	-208.23	30.99	24.18	-64.48	24.16	-64.45	1.45
		637	329.90	41.63	-212.30	38.99	-209.67	25.74	74.86	15.67	20.68	69.84	-16.48
		609	318.26	30.83	-129.88	29.52	-128.57	14.47	97.22	32.06	32.23	97.05	-3.38
444	2	610	264.76	-25.42	-134.62	-25.53	-134.50	3.51	37.86	-46.83	35.16	-44.13	14.88
		638	364.99	-37.31	-234.51	-42.22	-229.60	30.72	23.73	-71.39	23.67	-71.33	2.35
		637	334.02	40.69	-233.95	38.63	-231.89	23.71	71.99	16.71	21.64	67.06	-15.76
		609	312.25	30.99	-132.89	30.31	-132.22	10.52	94.43	32.96	33.13	94.26	-3.23
444	3	610	298.57	-26.06	-165.84	-26.21	-165.68	4.63	37.94	-52.04	35.88	-49.98	13.47
		638	429.35	-35.94	-313.94	-43.91	-305.97	46.40	24.71	-75.72	24.70	-75.70	1.08
		637	362.66	35.27	-314.01	31.79	-310.53	34.68	64.16	16.34	22.33	58.16	-15.83
		609	303.74	27.98	-162.54	26.56	-161.12	16.35	84.12	33.28	33.51	83.89	-3.44
444	4	610	276.69	51.36	-26.19	-20.61	45.78	-20.04	38.36	-61.46	22.69	-45.79	36.31
		638	328.25	96.01	-44.31	-34.17	85.87	-36.33	20.30	-80.37	13.51	-73.58	25.25
		637	202.42	108.49	43.08	61.22	90.35	-29.28	64.09	12.32	13.04	63.38	6.03
		609	243.74	69.68	15.45	43.83	41.30	-27.09	95.18	18.21	22.22	91.17	17.09
444	5	610	267.17	40.12	-26.39	-21.14	34.88	-17.93	38.50	-60.08	23.10	-44.68	35.79
		638	311.00	76.18	-43.92	-34.86	67.13	-31.70	20.51	-78.62	14.01	-72.12	24.53
		637	189.70	91.52	39.26	59.56	71.22	-25.47	63.68	12.37	13.00	63.04	5.67
		609	236.29	61.64	11.86	42.72	30.79	-24.16	94.44	18.13	22.09	90.48	16.93
444	6	610	262.62	33.79	-26.55	-21.65	28.88	-16.49	38.48	-59.71	23.39	-44.62	35.41
		638	300.96	62.86	-43.60	-35.51	54.77	-28.21	20.62	-78.06	14.36	-71.79	24.06
		637	180.02	81.01	35.72	58.20	58.53	-22.64	62.90	12.47	13.07	62.30	5.46
		609	232.20	57.03	9.87	41.78	25.12	-22.06	93.43	18.15	22.11	89.47	16.81
444	7	610	271.03	42.08	-26.48	-21.20	36.80	-18.27	38.46	-61.17	23.25	-45.97	35.83
		638	312.89	75.01	-43.80	-34.99	66.20	-31.13	20.60	-79.59	14.20	-73.19	24.51
		637	184.95	90.43	38.86	59.15	70.15	-25.19	62.10	12.33	13.03	61.41	5.86
		609	233.27	62.36	12.99	42.49	32.85	-24.21	92.80	17.91	22.08	88.63	17.18
444	8	610	238.36	-22.43	-143.43	-22.54	-143.31	3.71	30.72	-38.82	29.11	-37.21	10.46
		638	352.56	-30.90	-274.20	-37.89	-267.20	40.65	23.59	-57.02	23.55	-56.98	-1.68
		637	293.90	30.27	-274.31	27.24	-271.28	30.25	46.66	9.76	16.17	40.25	-13.98
		609	235.78	24.12	-140.46	22.90	-139.24	14.11	60.11	21.64	21.73	60.02	-1.84
444	9	610	166.62	-17.47	-66.68	-17.65	-66.50	2.99	26.60	-32.16	23.58	-29.14	12.98
		638	212.33	-26.11	-106.20	-28.21	-104.10	12.82	14.22	-49.10	13.79	-48.68	5.18
		637	202.88	29.52	-105.20	28.64	-104.33	10.83	52.82	12.88	14.62	51.08	-8.14
		609	211.83	21.62	-66.56	21.34	-66.27	4.97	70.62	24.40	24.40	70.62	-0.34
444	10	610	194.31	-16.93	-86.33	-16.93	-86.32	0.44	26.13	-38.68	23.67	-36.22	12.38
		638	266.25	-24.83	-161.82	-28.25	-158.40	21.37	14.45	-55.28	14.10	-54.93	4.97
		637	221.17	25.98	-161.70	24.64	-160.36	15.80	46.55	13.58	15.54	44.60	-7.78
		609	203.75	20.04	-84.71	19.70	-84.36	6.02	63.31	25.11	25.11	63.31	-0.37
444	11	610	187.57	25.01	-17.63	-14.40	21.77	-11.30	26.79	-43.30	16.73	-33.24	24.57
		638	217.61	47.66	-29.24	-23.58	42.01	-20.07	13.13	-57.53	8.35	-52.75	17.74
		637	136.14	58.26	25.72	39.31	44.67	-16.05	47.34	9.95	10.39	46.90	4.05
		609	169.60	39.61	7.65	28.15	19.11	-15.32	68.77	16.41	18.77	66.41	10.88
445	1	609	698.13	105.12	-156.13	87.16	-138.17	66.09	239.77	58.47	93.38	204.86	-71.49
		637	424.70	64.45	-219.10	48.26	-202.90	65.80	81.62	-24.93	-24.08	80.77	-9.46
		684	547.49	-2.61	-226.02	-34.12	-194.52	77.75	134.18	-32.42	20.76	81.00	-77.67
		632	906.04	-40.54	-174.20	-68.19	-146.56	54.14	315.29	28.02	138.22	205.09	-139.69
445	2	609	705.86	106.88	-170.53	90.81	-154.47	64.79	240.81	61.37	96.02	206.16	-70.83
		637	442.91	65.56	-247.37	51.01	-232.82	65.89	81.06	-24.70	-23.83	80.20	-9.53
		684	560.34	-3.48	-252.24	-31.91	-223.81	79.14	133.51	-34.04	20.54	78.92	-78.52
		632	909.85	-43.61	-185.64	-65.77	-163.48	51.54	316.14	29.14	140.40	204.88	-139.83
445	3	609	710.10	110.83	-214.74	93.92	-197.82	72.25	232.06	60.47	96.27	196.27	-69.72
		637	471.46	67.40	-326.60	51.77	-310.98	76.89	72.28	-23.60	-22.70	71.39	-9.24
		684	585.85	-3.26	-329.76	-32.67	-300.35	93.47	126.93	-35.78	20.99	70.16	-77.55
		632	908.86	-46.85	-227.63	-66.03	-208.45	55.67	308.25	26.75	139.96	195.04	-138.03
445	4	609	554.68	89.27	42.10	79.69	51.68	18.98	227.36	69.35	87.62	209.09	-50.52

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		637	303.50	85.53	47.16	49.61	83.09	9.36	78.68	-35.96	-34.37	77.09	13.40
		684	366.92	87.90	-24.41	-23.17	86.66	11.74	113.19	-22.23	11.86	79.10	-58.78
		632	755.82	50.69	-58.82	-56.25	48.11	16.60	301.11	43.84	133.85	211.10	-122.70
445	5	609	544.18	89.61	30.09	79.83	39.87	22.06	226.14	68.69	87.06	207.77	-50.54
		637	291.24	72.77	42.08	49.28	65.57	13.01	77.97	-35.68	-34.11	76.40	13.29
		684	354.45	72.06	-26.58	-23.93	69.41	15.94	112.96	-21.93	12.05	78.99	-58.55
		632	759.45	39.81	-60.79	-57.01	36.03	19.12	300.10	43.47	133.21	210.35	-122.38
445	6	609	537.37	90.12	23.23	79.85	33.50	24.11	225.09	68.43	86.92	206.59	-50.55
		637	282.64	67.64	36.08	48.96	54.77	15.51	77.07	-35.49	-33.92	75.49	13.22
		684	345.53	62.89	-28.62	-24.55	58.82	18.87	112.40	-21.94	12.18	78.27	-58.48
		632	761.21	34.14	-62.30	-57.61	29.45	20.75	299.27	43.13	133.02	209.38	-122.25
445	7	609	540.68	89.92	31.50	79.98	41.44	21.96	224.36	68.67	87.03	206.00	-50.21
		637	287.09	72.64	41.95	49.30	65.29	13.10	76.41	-35.69	-34.03	74.75	13.54
		684	350.12	71.96	-26.73	-23.99	69.22	16.21	111.51	-22.02	12.06	77.42	-58.22
		632	755.27	41.13	-60.66	-57.04	37.51	18.85	298.59	43.21	133.12	208.67	-121.98
445	8	609	575.32	96.23	-186.74	81.57	-172.08	62.72	181.11	40.02	71.11	150.02	-58.48
		637	370.21	58.53	-284.91	44.97	-271.36	66.86	47.53	-20.77	-20.77	47.19	-4.85
		684	480.00	-2.72	-287.61	-28.23	-262.09	81.35	101.38	-27.12	18.14	56.12	-61.38
		632	755.25	-40.59	-197.87	-57.12	-181.34	48.23	251.93	16.70	109.68	158.95	-115.01
445	9	609	466.35	67.97	-80.62	57.13	-69.78	38.64	168.81	47.19	68.34	147.66	-46.10
		637	278.23	41.96	-111.13	32.24	-101.41	37.32	61.50	-17.14	-16.79	61.15	-5.23
		684	352.28	-1.10	-116.85	-21.55	-96.40	44.15	91.38	-22.34	12.86	56.18	-52.57
		632	603.27	-24.17	-94.79	-44.16	-74.79	31.81	216.41	24.27	97.99	142.69	-93.44
445	10	609	473.16	71.06	-113.08	60.89	-102.92	42.06	164.43	48.40	69.94	142.88	-45.12
		637	304.17	43.43	-170.69	34.20	-161.46	43.48	56.30	-16.39	-16.03	55.94	-5.11
		684	373.22	-2.44	-173.50	-20.75	-155.20	52.88	87.27	-24.13	12.99	50.16	-52.51
		632	604.80	-29.56	-122.58	-42.96	-109.18	32.67	212.49	23.57	98.96	137.11	-92.52
445	11	609	384.97	59.91	18.76	53.07	25.60	15.31	160.97	52.40	64.75	148.62	-34.47
		637	209.34	47.61	26.75	32.63	41.73	9.38	58.89	-22.92	-22.25	58.22	7.37
		684	248.02	46.43	-18.32	-16.24	44.34	11.44	79.33	-16.57	8.09	54.67	-41.91
		632	523.41	25.74	-41.03	-38.28	22.99	13.26	207.49	32.69	95.10	145.07	-83.75
446	1	632	359.28	-31.30	-141.09	-35.71	-136.68	21.56	103.15	-21.82	40.90	40.44	-62.48
		684	376.23	-32.66	-188.62	-35.71	-185.57	21.59	90.43	-31.46	7.05	51.92	-56.67
		682	290.14	-9.11	-188.21	-11.75	-185.57	21.59	56.13	-44.75	4.57	6.81	-50.43
		612	301.21	-8.13	-140.30	-11.75	-136.68	21.56	77.11	-43.36	38.42	-4.67	-56.25
446	2	632	356.93	-33.87	-152.65	-36.30	-150.22	16.81	102.78	-22.43	41.48	38.86	-62.59
		684	389.09	-34.82	-227.46	-36.30	-225.98	16.85	90.27	-32.07	7.68	50.52	-57.29
		682	296.85	-9.58	-227.29	-10.89	-225.98	16.85	55.31	-46.67	4.76	3.88	-50.99
		612	305.23	-8.89	-152.22	-10.89	-150.22	16.81	76.26	-45.48	38.56	-7.78	-56.28
446	3	632	358.40	-37.28	-188.68	-38.45	-187.50	13.29	100.14	-27.27	42.10	30.77	-63.45
		684	416.17	-37.81	-317.40	-38.45	-316.76	13.36	85.87	-35.46	7.76	42.65	-58.11
		682	318.74	-10.21	-317.34	-10.79	-316.76	13.36	52.54	-51.18	4.92	-3.56	-51.69
		612	338.89	-9.80	-188.49	-10.79	-187.50	13.29	75.16	-51.34	39.25	-15.43	-57.03
446	4	632	248.92	50.88	-33.52	-28.72	46.08	19.56	79.90	-6.97	41.40	31.53	-43.15
		684	243.59	121.50	-31.25	-28.72	118.96	19.52	65.89	-16.52	7.05	42.32	-37.24
		682	195.90	121.80	-15.15	-12.31	118.96	19.52	31.58	-31.56	4.43	-4.41	-31.26
		612	251.46	52.02	-18.26	-12.31	46.08	19.56	57.72	-34.15	38.78	-15.21	-37.17
446	5	632	249.17	40.45	-34.74	-29.09	34.79	19.84	80.00	-6.89	41.42	31.69	-43.18
		684	234.23	103.47	-32.04	-29.09	100.51	19.80	65.93	-16.53	6.91	42.48	-37.20
		682	188.97	103.88	-15.69	-12.32	100.51	19.80	31.83	-31.10	4.40	-3.67	-31.21
		612	247.29	42.03	-19.56	-12.32	34.79	19.84	57.99	-33.55	38.90	-14.47	-37.18
446	6	632	250.37	35.43	-35.69	-29.37	29.10	20.25	79.93	-7.36	41.49	31.08	-43.33
		684	227.54	92.70	-32.71	-29.37	89.35	20.21	65.61	-16.85	6.87	41.89	-37.33
		682	187.02	93.22	-16.25	-12.38	89.35	20.21	31.77	-31.43	4.39	-4.05	-31.32
		612	247.09	37.34	-20.62	-12.38	29.10	20.25	58.10	-33.96	39.01	-14.86	-37.33
446	7	632	249.56	42.42	-34.74	-29.21	36.89	19.90	79.37	-7.75	41.54	30.08	-43.18
		684	230.88	103.09	-32.19	-29.21	100.11	19.86	64.85	-16.97	6.92	40.95	-37.21
		682	190.63	103.51	-15.78	-12.37	100.11	19.86	31.20	-31.89	4.41	-5.11	-31.18
		612	250.08	43.93	-19.41	-12.37	36.89	19.90	57.75	-34.69	39.03	-15.97	-37.15
446	8	632	302.38	-32.33	-164.79	-33.34	-163.78	11.53	82.52	-25.06	33.02	24.44	-53.62
		684	349.09	-32.79	-276.78	-33.34	-276.23	11.59	68.69	-30.78	3.69	34.21	-47.33
		682	276.25	-8.52	-276.73	-9.03	-276.23	11.59	44.42	-39.59	2.98	1.85	-42.00
		612	278.98	-8.17	-164.63	-9.03	-163.78	11.53	64.50	-40.12	32.31	-7.93	-48.29
446	9	632	228.49	-18.98	-73.33	-22.99	-69.32	14.21	68.26	-11.84	29.42	27.01	-40.03
		684	232.89	-20.00	-90.66	-22.99	-87.67	14.22	60.30	-19.08	6.37	34.86	-37.05
		682	176.27	-5.59	-90.13	-8.05	-87.67	14.22	34.96	-30.69	3.75	0.51	-32.79
		612	193.80	-4.92	-72.45	-8.05	-69.32	14.21	49.37	-29.90	26.81	-7.33	-35.77
446	10	632	227.88	-23.27	-98.79	-24.52	-97.55	9.61	66.65	-14.92	30.08	21.64	-40.57
		684	253.07	-23.84	-161.23	-24.52	-160.55	9.65	57.78	-21.31	6.77	29.71	-37.85
		682	189.59	-6.92	-161.16	-7.52	-160.55	9.65	33.15	-34.45	3.95	-5.25	-33.49
		612	214.18	-6.51	-98.57	-7.52	-97.55	9.61	48.48	-34.53	27.27	-13.32	-36.21
446	11	632	171.16	26.72	-23.41	-19.47	22.78	13.48	55.43	-3.88	29.74	21.81	-29.39

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		684	159.81	67.16	-21.56	-19.47	65.07	13.46	46.49	-10.93	6.27	29.29	-26.30
		682	135.69	67.45	-10.79	-8.41	65.07	13.46	21.71	-23.57	3.65	-5.52	-22.17
		612	173.02	27.80	-13.43	-8.41	22.78	13.48	39.32	-25.19	27.13	-13.00	-25.26
447	1	612	361.89	-9.86	-138.90	-10.55	-138.21	9.40	40.18	-90.25	13.74	-63.81	-52.44
		682	301.87	-9.97	-164.62	-10.55	-164.04	9.41	53.99	-58.34	18.59	-22.95	-52.18
		680	300.39	-0.46	-164.58	-1.00	-164.04	9.41	32.32	-63.04	15.88	-46.60	-36.02
		630	374.96	-0.36	-138.85	-1.00	-138.21	9.40	22.94	-99.38	11.03	-87.46	-36.27
447	2	612	380.07	-10.00	-155.17	-10.17	-155.01	4.91	39.52	-92.72	13.59	-66.78	-52.50
		682	332.29	-10.04	-209.19	-10.17	-209.06	4.94	53.95	-60.32	19.13	-25.51	-52.60
		680	337.23	-0.99	-209.18	-1.11	-209.06	4.94	32.22	-65.91	16.16	-49.86	-36.30
		630	395.46	-0.95	-155.16	-1.11	-155.01	4.91	22.19	-102.71	10.62	-91.14	-36.21
447	3	612	422.21	-10.43	-194.28	-10.43	-194.28	0.82	39.60	-98.94	14.59	-73.93	-53.28
		682	398.13	-10.43	-304.01	-10.43	-304.01	0.89	52.53	-65.93	19.09	-32.50	-53.32
		680	412.92	-2.37	-304.01	-2.37	-304.01	0.89	31.58	-72.19	16.16	-56.78	-36.91
		630	440.80	-2.37	-194.28	-2.37	-194.28	0.82	22.88	-109.44	11.66	-98.21	-36.87
447	4	612	303.27	45.88	-12.44	-11.22	44.67	8.33	24.50	-86.58	13.45	-75.52	-33.25
		682	271.54	138.97	-11.68	-11.22	138.51	8.28	34.68	-49.87	18.96	-34.15	-32.90
		680	285.71	139.00	0.23	0.73	138.51	8.28	19.70	-62.09	16.20	-58.59	-16.56
		630	323.42	46.19	-0.80	0.73	44.67	8.33	13.22	-102.49	10.69	-99.96	-16.91
447	5	612	295.42	35.04	-12.78	-11.21	33.46	8.53	24.86	-85.66	13.72	-74.52	-33.27
		682	260.30	120.86	-11.75	-11.21	120.32	8.48	34.72	-49.19	18.82	-33.29	-32.88
		680	271.45	120.92	-0.04	0.55	120.32	8.48	19.68	-61.00	16.12	-57.44	-16.58
		630	313.65	35.54	-1.52	0.55	33.46	8.53	13.59	-101.24	11.02	-98.67	-16.97
447	6	612	293.98	29.96	-13.13	-11.23	28.06	8.85	25.06	-86.02	13.88	-74.84	-33.42
		682	256.15	110.15	-11.87	-11.23	109.51	8.80	34.71	-49.59	18.77	-33.65	-33.01
		680	265.75	110.22	-0.30	0.41	109.51	8.80	19.70	-61.33	16.09	-57.72	-16.72
		630	311.44	30.65	-2.18	0.41	28.06	8.85	13.80	-101.51	11.20	-98.91	-17.13
447	7	612	299.96	37.09	-12.77	-11.26	35.58	8.53	24.83	-86.94	13.87	-75.98	-33.25
		682	262.97	120.50	-11.81	-11.26	119.96	8.48	34.44	-50.32	18.82	-34.70	-32.86
		680	274.63	120.56	-0.14	0.46	119.96	8.48	19.61	-62.29	16.12	-58.80	-16.54
		630	318.79	37.54	-1.50	0.46	35.58	8.53	13.69	-102.59	11.17	-100.08	-16.92
447	8	612	347.98	-8.69	-169.29	-8.70	-169.28	0.87	34.74	-79.04	12.69	-56.99	-44.98
		682	324.12	-8.69	-265.26	-8.70	-265.25	0.92	43.16	-51.84	13.80	-22.48	-43.90
		680	330.59	-2.43	-265.26	-2.44	-265.25	0.92	25.96	-53.81	12.23	-40.08	-30.11
		630	356.62	-2.43	-169.29	-2.44	-169.28	0.87	21.27	-84.73	11.12	-74.59	-31.19
447	9	612	236.06	-6.68	-71.09	-7.27	-70.50	6.14	24.63	-63.00	9.34	-47.72	-33.25
		682	191.48	-6.70	-73.98	-7.27	-73.41	6.15	34.77	-40.52	13.95	-19.70	-33.68
		680	192.68	0.22	-73.92	-0.29	-73.41	6.15	20.48	-46.25	11.61	-37.38	-22.66
		630	250.18	0.24	-71.03	-0.29	-70.50	6.14	13.29	-71.68	7.01	-65.40	-22.23
447	10	612	269.84	-7.19	-101.67	-7.21	-101.65	1.38	24.44	-67.96	9.82	-53.34	-33.72
		682	243.49	-7.19	-151.19	-7.21	-151.17	1.41	34.13	-44.91	14.23	-25.00	-34.31
		680	255.15	-1.04	-151.19	-1.05	-151.17	1.41	20.24	-51.51	11.76	-43.04	-23.15
		630	287.02	-1.03	-101.66	-1.05	-101.65	1.38	13.36	-77.38	7.36	-71.37	-22.56
447	11	612	207.73	22.99	-8.76	-7.65	21.87	5.84	16.72	-61.14	9.42	-53.84	-22.69
		682	185.25	78.95	-8.04	-7.65	78.56	5.81	24.60	-36.20	14.05	-25.64	-23.03
		680	195.95	78.99	0.06	0.49	78.56	5.81	14.19	-46.03	11.72	-43.56	-11.94
		630	224.11	23.36	-1.00	0.49	21.87	5.84	8.77	-73.43	7.10	-71.76	-11.59
448	1	630	431.54	-0.31	-135.88	-0.38	-135.82	2.93	22.05	-121.16	6.63	-105.74	-44.39
		680	348.02	-0.32	-156.01	-0.38	-155.95	2.88	25.90	-82.00	15.14	-71.23	-32.34
		681	277.20	-21.61	-156.01	-21.67	-155.95	2.88	28.39	-53.02	25.98	-50.61	-13.81
		611	354.29	-21.59	-135.89	-21.67	-135.82	2.93	23.62	-91.26	17.47	-85.11	-25.86
448	2	630	453.79	-0.96	-155.87	-0.97	-155.86	-0.84	21.33	-124.67	6.10	-109.44	-44.63
		680	387.96	-0.96	-205.85	-0.97	-205.85	-0.96	26.07	-84.73	15.57	-74.23	-32.46
		681	319.43	-17.43	-205.85	-17.43	-205.85	-0.96	28.79	-55.48	26.54	-53.23	-13.60
		611	377.48	-17.43	-155.87	-17.43	-155.86	-0.84	23.02	-94.40	17.06	-88.44	-25.77
448	3	630	500.47	-2.61	-199.07	-2.73	-198.95	-4.82	21.86	-131.33	7.07	-116.54	-45.24
		680	467.67	-2.64	-305.35	-2.73	-305.26	-5.06	26.11	-90.90	15.71	-80.50	-33.30
		681	405.28	-11.80	-305.35	-11.89	-305.26	-5.06	28.61	-62.44	26.43	-60.25	-13.93
		611	429.23	-11.77	-199.07	-11.89	-198.95	-4.82	23.38	-101.89	17.79	-96.30	-25.87
448	4	630	375.84	48.60	1.20	1.21	48.59	0.64	11.14	-123.59	6.26	-118.71	-25.17
		680	345.11	142.68	1.21	1.21	142.68	0.85	16.99	-85.19	15.39	-83.59	-12.71
		681	319.08	142.68	-31.75	-31.75	142.68	0.85	26.99	-62.91	26.57	-62.49	6.12
		611	333.11	48.60	-31.76	-31.75	48.59	0.64	17.80	-97.96	17.45	-97.61	-6.34
448	5	630	365.74	37.43	1.04	1.06	37.41	0.84	11.53	-122.19	6.62	-117.29	-25.15
		680	330.06	124.81	1.05	1.06	124.81	1.03	16.97	-83.91	15.31	-82.26	-12.81
		681	303.95	124.81	-31.26	-31.25	124.81	1.03	26.80	-61.72	26.39	-61.31	6.00
		611	322.72	37.42	-31.26	-31.25	37.41	0.84	18.04	-96.69	17.69	-96.34	-6.34
448	6	630	363.56	32.17	0.91	0.95	32.13	1.13	11.74	-122.45	6.80	-117.51	-25.27
		680	324.17	114.45	0.93	0.95	114.44	1.32	16.98	-84.20	15.29	-82.51	-12.98
		681	297.89	114.45	-30.98	-30.97	114.44	1.32	26.70	-62.07	26.32	-61.68	5.83
		611	320.38	32.15	-30.99	-30.97	32.13	1.13	18.19	-97.05	17.83	-96.69	-6.47
448	7	630	370.67	39.44	0.94	0.96	39.42	0.79	11.59	-123.51	6.76	-118.68	-25.09

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		680	333.32	124.46	0.95	0.96	124.45	0.98	16.96	-85.21	15.33	-83.58	-12.78
		681	307.12	124.46	-31.11	-31.10	124.45	0.98	26.79	-63.07	26.38	-62.65	6.07
		611	327.82	39.43	-31.11	-31.10	39.42	0.79	18.15	-98.09	17.81	-97.75	-6.24
448	8	630	406.04	-2.60	-172.36	-2.71	-172.25	-4.20	20.05	-103.06	7.38	-90.39	-37.40
		680	377.31	-2.63	-266.87	-2.71	-266.79	-4.41	21.37	-69.31	11.73	-59.67	-27.94
		681	328.14	-10.12	-266.87	-10.19	-266.79	-4.41	21.98	-46.65	20.08	-44.76	-11.24
		611	349.81	-10.08	-172.36	-10.19	-172.25	-4.20	20.21	-79.96	15.73	-75.48	-20.70
448	9	630	288.67	0.15	-69.22	0.10	-69.17	1.77	12.75	-86.45	3.95	-77.64	-28.21
		680	225.12	0.15	-68.22	0.10	-68.17	1.77	16.63	-59.77	11.18	-54.32	-19.68
		681	176.06	-15.64	-68.23	-15.70	-68.17	1.77	19.81	-40.00	18.92	-39.11	-7.25
		611	234.64	-15.64	-69.23	-15.70	-69.17	1.77	14.91	-65.66	11.69	-62.44	-15.78
448	10	630	327.20	-1.14	-104.31	-1.21	-104.25	-2.54	12.73	-92.18	4.19	-83.64	-28.68
		680	291.83	-1.16	-151.17	-1.21	-151.12	-2.64	16.85	-64.81	11.49	-59.46	-20.21
		681	247.26	-10.22	-151.17	-10.27	-151.12	-2.64	20.00	-45.30	19.17	-44.47	-7.32
		611	276.44	-10.20	-104.31	-10.27	-104.25	-2.54	14.85	-71.63	11.87	-68.65	-15.79
448	11	630	259.19	24.16	0.81	0.84	24.13	0.77	7.41	-87.56	4.04	-84.18	-17.59
		680	236.19	82.05	0.83	0.84	82.04	0.90	12.35	-61.67	11.26	-60.58	-8.92
		681	215.88	82.05	-20.87	-20.87	82.04	0.90	19.32	-45.47	19.11	-45.26	3.66
		611	227.29	24.14	-20.88	-20.87	24.13	0.77	12.20	-69.18	11.89	-68.87	-5.00
449	1	611	200.42	-18.36	-75.62	-20.72	-73.27	-11.36	30.33	-42.39	28.98	-41.04	9.82
		681	364.64	-32.67	-204.81	-36.91	-200.56	26.69	9.52	-85.51	9.39	-85.38	3.48
		683	283.76	18.39	-205.74	17.25	-204.59	15.97	61.22	10.50	17.14	54.58	-17.10
		613	280.59	12.44	-69.25	12.43	-69.24	-0.64	100.74	34.92	36.73	98.93	-10.76
449	2	611	220.92	-18.40	-96.88	-20.72	-94.56	-13.29	30.93	-44.83	29.50	-43.40	10.30
		681	406.91	-30.35	-261.39	-36.12	-255.62	36.04	9.13	-87.17	8.93	-86.97	4.37
		683	319.30	9.04	-263.29	7.33	-261.58	21.47	61.47	12.10	17.83	55.74	-15.81
		613	291.48	6.42	-88.62	6.40	-88.60	1.28	100.87	36.84	38.41	99.30	-9.88
449	3	611	267.58	-21.07	-140.37	-22.84	-138.61	-14.41	31.70	-51.89	30.11	-50.30	11.41
		681	493.30	-28.35	-369.26	-37.46	-360.15	54.97	9.69	-92.27	9.44	-92.02	5.06
		683	362.27	-6.90	-372.59	-10.02	-369.47	33.64	52.42	12.01	17.73	46.71	-14.08
		613	287.68	-4.26	-129.67	-4.64	-129.29	6.92	89.60	37.23	38.40	88.43	-7.73
449	4	611	286.45	106.47	-21.77	-9.51	94.21	-37.70	32.45	-56.89	20.26	-44.70	30.67
		681	344.75	97.14	-38.66	-26.57	85.06	-38.66	7.40	-95.75	1.31	-89.66	24.31
		683	181.37	111.19	31.93	55.66	87.47	-36.30	54.24	8.88	9.16	53.97	3.52
		613	288.11	113.42	17.56	39.18	91.80	-40.06	100.29	26.75	28.10	98.93	9.89
449	5	611	276.93	95.68	-22.34	-10.21	83.55	-35.84	32.42	-55.69	20.30	-43.57	30.34
		681	329.36	79.68	-38.59	-27.26	68.35	-34.81	7.56	-94.27	1.64	-88.34	23.83
		683	170.29	96.23	27.93	53.71	70.44	-33.11	54.03	8.88	9.11	53.81	3.16
		613	281.05	103.06	16.21	37.80	81.46	-37.54	99.88	26.47	27.77	98.59	9.67
449	6	611	275.42	91.33	-22.90	-10.72	79.14	-35.26	32.36	-56.08	20.36	-44.08	30.28
		681	323.20	69.41	-38.64	-27.79	58.56	-32.47	7.64	-94.49	1.80	-88.66	23.71
		683	161.29	87.89	24.66	52.19	60.37	-31.35	52.99	8.88	9.10	52.77	3.15
		613	275.51	98.70	15.39	36.74	77.34	-36.37	98.68	26.33	27.66	97.35	9.73
449	7	611	281.98	97.77	-22.59	-10.21	85.38	-36.57	32.51	-57.03	20.31	-44.83	30.72
		681	332.36	79.17	-38.60	-27.25	67.81	-34.76	7.62	-95.50	1.62	-89.50	24.14
		683	166.20	95.82	27.15	53.20	69.77	-33.32	52.67	8.71	9.00	52.38	3.53
		613	278.48	104.87	16.06	37.51	83.42	-38.01	98.49	26.25	27.69	97.05	10.12
449	8	611	213.22	-18.42	-123.99	-19.74	-122.67	-11.72	23.87	-39.66	22.49	-38.28	9.25
		681	405.28	-24.42	-320.75	-32.34	-312.82	47.81	10.20	-70.82	10.15	-70.76	2.14
		683	292.51	-5.78	-323.57	-8.54	-320.81	29.52	36.71	6.18	12.32	30.57	-12.24
		613	220.78	-3.59	-115.07	-3.98	-114.68	6.57	63.72	23.99	24.67	63.05	-5.13
449	9	611	132.98	-6.93	-33.75	-12.56	-28.12	-10.93	22.09	-32.17	20.40	-30.48	9.43
		681	233.68	-22.18	-101.33	-23.50	-100.01	10.15	4.84	-62.69	4.30	-62.14	6.02
		683	175.33	16.11	-102.15	15.95	-101.98	4.45	44.08	9.63	12.12	41.58	-8.94
		613	189.30	12.11	-26.87	11.40	-26.15	-5.23	73.92	27.56	28.23	73.25	-5.54
449	10	611	169.69	-10.77	-67.39	-13.73	-64.42	-12.62	22.85	-37.44	21.03	-35.62	10.31
		681	305.49	-19.85	-192.63	-23.81	-188.67	25.86	5.00	-66.51	4.32	-65.83	6.90
		683	219.59	1.84	-194.62	0.80	-193.57	14.26	39.18	10.48	12.45	37.21	-7.26
		613	193.66	1.93	-59.53	1.91	-59.51	-1.02	67.80	28.78	29.16	67.42	-3.85
449	11	611	196.17	64.72	-15.17	-7.00	56.55	-24.20	23.40	-39.95	15.61	-32.17	20.79
		681	232.02	51.35	-25.83	-18.44	43.95	-22.72	4.44	-68.32	0.08	-63.96	17.26
		683	123.29	62.68	17.89	35.36	45.22	-21.84	40.74	7.50	7.66	40.58	2.31
		613	202.37	69.41	10.78	24.91	55.28	-25.08	73.06	22.51	23.20	72.37	5.84
450	1	613	509.84	73.16	-128.60	59.80	-115.25	50.16	169.65	25.62	74.63	120.63	-68.24
		683	500.32	55.37	-178.32	42.85	-165.79	52.63	122.35	-22.65	-10.65	110.34	-39.96
		653	296.73	-9.19	-184.83	-32.63	-161.39	59.73	46.36	-61.67	17.13	-32.44	-48.00
		625	497.89	-25.84	-139.42	-45.61	-119.65	43.07	138.60	-58.34	102.41	-22.15	-76.28
450	2	613	524.47	73.29	-157.48	59.24	-143.43	55.18	170.58	28.82	77.35	122.05	-67.27
		683	545.42	55.89	-239.84	42.53	-226.48	61.42	124.90	-21.53	-9.91	113.29	-39.57
		653	299.11	-0.72	-244.03	-23.76	-220.98	71.25	43.80	-60.09	16.67	-32.96	-45.64
		625	483.26	-18.10	-164.65	-33.81	-148.94	45.35	137.24	-57.51	103.94	-24.21	-73.33
450	3	613	533.46	71.47	-218.58	56.55	-203.65	64.08	162.40	28.03	77.85	112.58	-64.91

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		683	597.49	55.16	-356.49	40.32	-341.65	76.73	116.51	-20.79	-9.78	105.51	-37.28
		653	344.78	13.86	-358.17	-10.01	-334.30	91.16	40.36	-56.76	17.23	-33.64	-41.37
		625	492.73	-3.15	-222.86	-15.00	-211.00	49.65	134.43	-56.14	104.87	-26.57	-69.00
450	4	613	390.94	75.51	58.23	69.72	64.02	8.16	152.15	39.23	68.17	123.21	-49.30
		683	394.99	114.53	53.09	53.11	114.52	-0.92	114.64	-23.19	-20.32	111.77	-19.69
		653	244.75	115.37	-45.40	-45.36	115.33	-2.48	22.85	-50.72	8.85	-36.71	-28.89
		625	465.58	63.94	-67.11	-66.39	63.21	9.72	120.76	-48.70	97.33	-25.27	-58.50
450	5	613	384.62	74.57	47.24	69.19	52.62	10.87	152.26	38.86	67.84	123.28	-49.46
		683	383.76	98.60	52.41	52.53	98.48	2.32	114.52	-23.30	-20.42	111.64	-19.71
		653	235.46	99.47	-45.04	-45.03	99.46	1.16	23.64	-49.37	9.11	-34.85	-29.15
		625	460.84	52.86	-66.93	-65.71	51.64	12.03	121.37	-47.20	97.38	-23.21	-58.90
450	6	613	379.34	74.22	41.93	68.81	47.33	12.05	151.33	38.59	67.73	122.19	-49.36
		683	374.34	89.36	51.72	52.14	88.93	3.99	113.43	-23.27	-20.41	110.57	-19.58
		653	231.88	90.13	-44.49	-44.41	90.06	3.19	23.57	-49.40	9.22	-35.06	-29.00
		625	458.94	47.68	-66.22	-64.76	46.21	12.85	121.24	-47.32	97.36	-23.44	-58.78
450	7	613	381.48	74.41	48.45	69.17	53.69	10.42	150.69	38.78	67.73	121.74	-49.00
		683	379.08	97.59	52.43	52.53	97.49	2.11	113.00	-23.25	-20.46	110.21	-19.28
		653	235.04	98.54	-44.41	-44.40	98.53	1.12	23.00	-49.65	9.07	-35.72	-28.60
		625	459.86	53.74	-65.99	-64.89	52.64	11.41	120.73	-47.65	97.26	-24.18	-58.32
450	8	613	437.82	61.88	-191.20	48.83	-178.15	55.97	127.59	14.99	58.40	84.18	-54.81
		683	482.64	47.75	-309.79	34.79	-296.82	66.83	85.49	-20.80	-12.96	77.66	-27.77
		653	280.16	11.83	-311.26	-8.94	-290.49	79.25	34.72	-41.04	16.11	-22.43	-32.61
		625	406.90	-2.89	-194.93	-13.33	-184.49	43.55	114.72	-43.15	87.48	-15.91	-59.65
450	9	613	333.49	48.87	-62.82	41.12	-55.06	28.39	118.14	23.88	54.01	88.01	-43.96
		683	326.94	37.05	-84.46	29.83	-77.25	28.72	88.68	-13.29	-5.78	81.17	-26.64
		653	190.52	-7.53	-90.40	-23.22	-74.72	32.46	28.25	-44.00	9.85	-25.60	-31.48
		625	331.79	-17.62	-72.78	-32.81	-57.59	24.64	91.28	-40.40	69.64	-18.76	-48.80
450	10	613	346.95	47.89	-112.76	39.31	-104.18	36.12	114.00	25.33	55.80	83.53	-42.11
		683	381.11	36.80	-183.32	28.43	-174.95	42.11	85.45	-12.27	-5.30	78.48	-25.15
		653	206.74	3.64	-185.07	-10.65	-170.78	49.93	24.98	-41.34	9.90	-26.26	-27.80
		625	319.19	-7.84	-116.31	-15.81	-108.35	28.30	89.15	-39.36	71.00	-21.21	-44.76
450	11	613	271.03	49.72	31.66	46.12	35.26	7.22	108.18	30.87	50.17	88.87	-33.47
		683	271.81	64.36	34.90	34.99	64.26	1.69	83.76	-13.68	-11.21	81.29	-15.31
		653	167.51	64.99	-29.78	-29.77	64.97	1.06	15.70	-37.29	5.46	-27.05	-20.92
		625	316.25	35.33	-44.23	-43.45	34.55	7.85	81.90	-34.54	66.84	-19.48	-39.08
451	1	625	328.84	-41.19	-90.11	-41.28	-90.03	-2.08	20.45	-95.45	20.43	-95.43	1.74
		653	422.69	-47.66	-184.55	-52.69	-179.52	25.75	28.17	-105.24	28.17	-105.24	-0.28
		642	182.13	16.26	-184.29	14.65	-182.69	17.88	41.87	11.53	30.62	22.78	-14.65
		614	142.59	12.18	-87.20	11.85	-86.86	5.78	41.27	14.21	20.88	32.60	-12.63
451	2	625	352.07	-45.74	-112.43	-45.82	-112.35	-2.31	20.95	-99.07	20.64	-98.75	6.11
		653	476.29	-50.04	-260.05	-58.82	-251.27	42.03	29.21	-106.55	29.11	-106.45	3.68
		642	213.73	6.79	-260.15	3.63	-257.00	28.86	35.24	17.43	30.71	21.96	-7.76
		614	136.50	5.11	-107.68	4.06	-106.62	10.86	32.44	19.45	22.23	29.65	-5.33
451	3	625	393.64	-53.16	-179.88	-53.17	-179.87	1.45	23.44	-97.53	22.54	-96.63	10.39
		653	562.47	-54.24	-402.80	-68.51	-388.53	69.06	31.25	-102.82	30.94	-102.52	6.41
		642	300.77	-6.29	-403.85	-12.28	-397.86	48.42	29.96	22.65	29.38	23.23	-1.98
		614	170.11	-4.44	-173.47	-7.38	-170.53	22.09	29.58	20.51	20.98	29.12	2.00
451	4	625	380.55	89.41	-31.80	-22.58	80.19	-32.13	15.28	-107.61	10.77	-103.09	23.11
		653	436.74	113.42	-41.99	-30.13	101.56	-41.26	22.63	-117.14	19.41	-113.91	20.99
		642	102.69	122.27	27.59	45.76	104.10	-37.28	24.10	12.42	20.98	15.55	5.17
		614	106.11	98.51	15.13	35.99	77.65	-36.11	29.48	9.23	12.34	26.37	7.30
451	5	625	366.26	78.32	-32.32	-23.61	69.61	-29.79	15.53	-104.75	11.20	-100.42	22.41
		653	418.70	97.21	-42.21	-31.34	86.34	-37.38	22.68	-114.25	19.64	-111.21	20.19
		642	98.35	106.99	26.02	44.36	88.65	-33.89	23.95	14.17	20.98	17.14	4.50
		614	103.65	88.11	14.07	34.87	67.31	-33.28	30.44	10.02	12.54	27.92	6.72
451	6	625	362.49	72.66	-33.02	-24.28	63.92	-29.10	15.70	-104.56	11.37	-100.22	22.41
		653	411.42	86.68	-42.62	-32.18	76.25	-35.22	22.78	-113.99	19.76	-110.97	20.09
		642	93.26	97.47	24.17	43.32	78.33	-32.20	23.86	14.06	20.91	17.02	4.50
		614	100.00	82.95	12.98	34.09	61.85	-32.12	30.36	9.91	12.51	27.77	6.81
451	7	625	368.80	78.60	-32.67	-23.69	69.62	-30.30	15.74	-105.46	11.24	-100.96	22.92
		653	419.32	95.30	-42.42	-31.48	84.37	-37.23	22.77	-114.87	19.62	-111.72	20.58
		642	95.62	105.37	25.23	44.03	86.57	-33.96	24.01	13.16	20.74	16.43	4.98
		614	101.88	88.40	13.68	34.67	67.42	-33.58	30.19	9.36	12.36	27.19	7.31
451	8	625	312.63	-45.97	-156.96	-46.01	-156.93	2.04	19.39	-73.97	18.79	-73.38	7.44
		653	454.16	-46.73	-348.85	-59.23	-336.35	60.16	27.30	-76.88	27.22	-76.80	2.95
		642	250.72	-5.25	-349.68	-10.56	-344.37	42.42	21.76	14.75	21.37	15.14	-1.60
		614	133.99	-3.69	-151.60	-6.38	-148.91	19.78	19.78	11.73	12.95	18.56	2.89
451	9	625	222.48	-23.68	-41.20	-25.37	-39.51	-5.18	13.34	-70.03	13.09	-69.79	4.52
		653	278.86	-31.04	-88.02	-32.55	-86.51	9.15	17.70	-77.55	17.56	-77.40	3.69
		642	99.25	13.71	-88.23	13.44	-87.96	5.26	27.17	11.43	21.48	17.12	-7.56
		614	84.76	10.80	-38.08	10.76	-38.05	-1.29	28.63	13.12	17.02	24.73	-6.72
451	10	625	259.27	-31.80	-89.60	-31.98	-89.42	-3.21	15.28	-71.47	14.27	-70.45	9.33

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		653	357.17	-34.76	-209.19	-41.34	-202.62	33.21	19.67	-76.46	19.10	-75.89	7.40
		642	166.26	0.86	-209.87	-1.52	-207.50	22.23	20.87	17.29	20.79	17.36	-0.52
		614	102.76	0.79	-85.24	0.09	-84.54	7.77	23.08	15.68	15.96	22.80	1.40
451	11	625	260.38	52.02	-21.92	-15.93	46.02	-20.19	11.12	-75.52	8.06	-72.45	16.00
		653	296.01	62.86	-28.43	-21.15	55.59	-24.72	15.24	-82.94	12.89	-80.59	15.01
		642	70.67	69.67	16.74	29.37	57.05	-22.56	18.26	11.73	16.08	13.91	3.08
		614	76.97	58.63	9.06	23.12	44.56	-22.35	23.42	9.89	11.26	22.05	4.08
452	1	614	485.52	72.39	-132.30	60.44	-120.34	48.01	167.83	46.29	85.79	128.34	-56.92
		642	479.82	55.09	-188.10	43.74	-176.75	51.30	117.49	-14.20	-4.58	107.88	-34.26
		654	308.32	-4.42	-192.85	-25.22	-172.05	59.05	50.00	-60.33	15.91	-26.24	-50.98
		626	477.66	-21.54	-140.71	-37.21	-125.04	40.26	142.78	-42.29	106.28	-5.78	-73.64
452	2	614	478.82	83.76	-155.33	69.42	-140.99	56.76	161.47	55.98	88.28	129.18	-48.62
		642	532.82	64.19	-266.29	50.39	-252.50	66.09	118.72	-10.40	-4.16	112.48	-27.68
		654	288.38	8.14	-270.04	-16.50	-245.40	79.05	38.83	-49.16	13.59	-23.91	-39.80
		626	426.80	-11.93	-162.19	-26.02	-148.10	43.81	132.44	-33.63	106.02	-7.21	-60.74
452	3	614	516.70	97.12	-239.44	79.92	-222.24	74.12	156.44	63.66	88.59	131.51	-41.12
		642	646.99	75.63	-424.61	58.25	-407.23	91.61	121.75	-8.33	-4.77	118.18	-21.23
		654	351.76	25.83	-426.36	-3.53	-397.00	111.42	34.11	-27.45	12.74	-6.07	-29.31
		626	399.49	3.23	-244.98	-9.28	-232.47	54.30	126.41	-13.06	106.10	7.26	-49.20
452	4	614	362.99	56.03	47.86	52.67	51.22	4.02	144.50	51.83	75.80	120.53	-40.58
		642	346.74	101.87	39.40	39.74	101.54	-4.55	100.03	-18.57	-16.79	98.25	-14.41
		654	249.23	102.04	-37.36	-37.03	101.71	-6.75	25.56	-56.95	8.26	-39.66	-33.59
		626	452.12	51.42	-54.92	-54.56	51.05	6.23	125.79	-42.32	100.85	-17.38	-59.75
452	5	614	360.91	56.42	38.18	53.02	41.57	7.09	146.09	51.83	75.87	122.04	-41.09
		642	341.12	88.15	39.82	39.84	88.13	-1.08	101.50	-18.63	-16.77	99.64	-14.83
		654	242.45	88.55	-37.32	-37.26	88.48	-2.92	26.71	-55.55	8.52	-37.36	-34.14
		626	450.18	42.05	-55.54	-54.72	41.22	8.93	126.89	-40.68	101.17	-14.96	-60.40
452	6	614	356.82	56.67	31.43	53.42	34.68	8.45	145.93	51.82	75.77	121.98	-40.99
		642	333.36	77.33	40.09	40.11	77.32	0.71	101.43	-18.62	-16.78	99.59	-14.75
		654	236.12	77.84	-36.69	-36.68	77.83	-0.77	26.96	-54.54	8.61	-36.19	-34.04
		626	446.41	35.27	-55.03	-53.93	34.16	9.92	126.98	-39.62	101.17	-13.80	-60.29
452	7	614	357.47	56.32	37.31	53.32	40.32	6.93	144.84	51.84	75.57	121.11	-40.55
		642	336.56	84.83	40.09	40.11	84.81	-1.00	100.61	-18.67	-16.93	98.87	-14.30
		654	237.88	85.30	-36.66	-36.61	85.24	-2.66	26.17	-54.69	8.46	-36.98	-33.44
		626	446.25	40.66	-54.69	-53.91	39.89	8.58	126.23	-40.02	100.96	-14.75	-59.69
452	8	614	423.36	83.79	-207.84	68.73	-192.77	64.55	123.56	45.92	68.18	101.30	-35.11
		642	530.92	65.19	-366.27	50.02	-351.09	79.48	92.70	-10.85	-8.59	90.44	-15.13
		654	305.07	21.87	-367.86	-3.68	-342.31	96.47	29.57	-16.11	11.91	1.56	-22.24
		626	329.67	2.33	-212.65	-8.77	-201.55	47.57	107.45	-6.35	88.68	12.42	-42.23
452	9	614	316.08	46.30	-66.50	39.57	-59.76	26.73	115.57	36.68	60.76	91.49	-36.33
		642	307.15	35.17	-91.66	28.85	-85.35	27.58	83.06	-7.88	-2.04	77.22	-22.29
		654	196.26	-5.16	-95.62	-18.06	-82.73	31.63	30.58	-44.05	9.30	-22.77	-33.70
		626	318.36	-15.67	-73.40	-26.68	-62.39	22.68	94.27	-30.67	72.10	-8.50	-47.73
452	10	614	333.66	60.03	-126.01	50.39	-116.37	41.23	109.38	46.19	62.32	93.25	-27.55
		642	400.28	46.52	-223.00	36.91	-213.40	49.97	85.53	-4.73	-2.15	82.94	-15.05
		654	196.27	10.86	-224.57	-6.01	-207.70	60.72	21.66	-25.68	7.54	-11.56	-21.66
		626	268.14	-3.34	-129.90	-11.17	-122.07	30.48	85.46	-14.71	72.00	-1.26	-34.15
452	11	614	253.84	37.66	24.37	35.67	26.36	4.74	103.56	39.59	55.20	87.95	-27.48
		642	239.75	55.81	26.82	26.83	55.80	-0.53	74.19	-10.40	-8.82	72.62	-11.45
		654	170.99	56.13	-24.46	-24.43	56.10	-1.60	17.99	-41.04	5.24	-28.29	-24.29
		626	307.08	26.60	-36.52	-35.98	26.06	5.82	85.73	-29.42	69.26	-12.95	-40.31
453	1	626	297.94	-40.20	-87.37	-40.48	-87.09	3.61	20.53	-84.32	20.46	-84.24	2.81
		654	398.49	-43.73	-195.27	-52.66	-186.33	35.70	26.25	-94.79	26.23	-94.77	1.60
		643	202.72	17.27	-193.64	13.88	-190.26	26.50	43.69	16.14	30.72	29.12	-13.75
		615	158.91	13.55	-84.86	11.86	-83.16	12.80	46.84	17.76	24.95	39.65	-12.54
453	2	626	307.79	-48.47	-92.77	-50.02	-91.22	8.14	22.06	-86.95	19.18	-84.06	17.49
		654	444.92	-47.38	-266.59	-65.30	-248.66	60.06	26.91	-93.82	25.13	-92.04	14.55
		643	224.85	12.23	-263.04	4.80	-255.61	44.62	30.85	23.44	25.52	28.77	3.33
		615	136.58	11.51	-90.08	5.71	-84.28	23.58	38.79	17.52	19.56	36.74	6.27
453	3	626	326.31	-57.13	-173.57	-63.62	-167.09	26.71	29.69	-70.70	20.68	-61.69	28.69
		654	503.86	-51.90	-427.07	-82.74	-396.23	103.05	31.00	-72.84	25.73	-67.56	22.79
		643	366.22	7.37	-422.31	-8.04	-406.89	79.92	52.37	11.81	19.34	44.84	15.77
		615	226.11	11.27	-171.23	-3.54	-156.43	49.83	60.81	4.19	14.28	50.71	21.67
453	4	626	354.71	73.35	-28.56	-16.97	61.77	-32.34	14.62	-103.39	10.91	-99.68	20.59
		654	406.20	85.88	-37.08	-23.95	72.75	-37.98	20.17	-115.44	17.35	-112.62	19.34
		643	92.67	97.01	19.22	41.57	74.66	-35.20	21.25	13.15	21.20	13.20	0.62
		615	100.38	84.13	9.05	33.33	55.86	-35.12	26.44	14.45	14.75	26.14	1.87
453	5	626	344.41	66.24	-28.95	-18.25	55.54	-30.07	14.81	-101.04	11.30	-97.53	19.85
		654	392.14	73.89	-37.24	-25.47	62.12	-34.20	20.32	-112.87	17.67	-110.23	18.59
		643	89.40	86.07	18.11	40.38	63.80	-31.90	21.37	14.00	21.36	14.00	0.24
		615	97.94	77.21	9.00	32.35	53.86	-32.37	26.89	14.81	15.00	26.70	1.51
453	6	626	335.28	58.57	-29.54	-19.05	48.09	-28.53	15.05	-99.29	11.52	-95.76	19.77

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		654	380.27	62.48	-37.62	-26.45	51.31	-31.52	20.43	-111.07	17.81	-108.45	18.38
		643	86.62	76.53	15.93	39.64	52.82	-29.58	21.23	15.33	21.23	15.33	0.09
		615	96.24	70.53	7.82	31.77	46.58	-30.47	28.20	14.78	14.94	28.03	1.49
453	7	626	341.25	63.62	-29.25	-18.43	52.81	-29.79	15.12	-100.25	11.39	-96.52	20.39
		654	387.32	69.70	-37.44	-25.72	57.98	-33.45	20.40	-111.98	17.64	-109.22	18.94
		643	87.00	82.64	17.10	40.16	59.59	-31.30	21.00	14.36	20.93	14.44	0.68
		615	96.38	75.03	8.38	32.21	51.20	-31.94	27.48	14.34	14.69	27.13	2.13
453	8	626	256.10	-49.09	-150.09	-54.87	-144.30	23.48	25.25	-51.59	17.30	-43.64	23.41
		654	402.74	-44.63	-367.15	-71.30	-340.48	88.82	27.09	-50.90	23.12	-46.92	17.15
		643	306.06	6.54	-362.98	-6.84	-349.60	69.03	40.78	5.85	12.83	33.81	13.96
		615	184.75	9.86	-148.09	-3.04	-135.19	43.26	47.25	-3.15	7.00	37.09	20.21
453	9	626	206.30	-24.06	-40.64	-24.31	-40.40	-1.99	13.35	-63.48	13.06	-63.19	4.67
		654	267.73	-28.36	-97.81	-31.86	-94.30	15.20	16.27	-71.74	16.04	-71.51	4.46
		643	113.19	13.49	-97.26	12.50	-96.27	10.40	28.63	13.06	21.54	20.15	-7.76
		615	96.18	10.61	-38.59	10.45	-38.43	2.80	32.54	14.49	18.56	28.47	-7.55
453	10	626	221.21	-34.81	-87.19	-37.16	-84.84	10.84	18.43	-55.92	13.18	-50.66	19.05
		654	325.59	-33.01	-226.47	-48.57	-210.91	52.61	19.25	-59.88	15.77	-56.40	16.23
		643	204.36	7.49	-223.79	0.32	-216.62	40.08	33.07	11.03	15.22	28.88	8.64
		615	134.39	8.15	-85.39	1.89	-79.14	23.37	39.50	7.75	12.64	34.61	11.46
453	11	626	241.72	41.95	-19.65	-12.40	34.70	-19.85	10.58	-72.07	8.10	-69.59	14.09
		654	274.48	45.53	-25.10	-17.30	37.72	-22.14	13.42	-81.16	11.36	-79.11	13.78
		643	64.94	54.39	11.20	26.81	38.77	-20.75	16.27	12.49	16.27	12.49	-0.07
		615	74.53	49.67	5.49	21.51	33.65	-21.24	22.02	13.00	13.00	22.01	0.25
454	1	615	486.06	87.72	-118.13	68.84	-99.24	59.42	169.82	54.12	87.07	136.88	-52.21
		643	474.92	64.84	-166.96	47.44	-149.56	61.08	121.06	-11.27	-2.94	112.73	-32.13
		655	327.49	-7.03	-179.21	-42.03	-144.21	69.29	46.48	-68.50	12.70	-34.72	-52.37
		627	491.85	-25.81	-137.88	-59.10	-104.60	51.21	138.03	-45.90	102.71	-10.57	-72.45
454	2	615	432.82	112.57	-109.90	84.66	-81.99	73.69	151.23	67.67	83.06	135.85	-32.39
		643	481.85	81.28	-202.67	56.86	-178.25	79.61	116.11	-8.77	-7.08	114.43	-14.42
		655	256.20	-0.54	-221.14	-51.59	-170.09	93.04	21.45	-55.13	5.08	-38.76	-31.39
		627	418.65	-19.50	-141.55	-70.90	-90.15	60.26	113.80	-35.91	95.22	-17.33	-49.36
454	3	615	489.30	145.01	-181.05	103.48	-139.51	108.71	155.55	74.11	77.57	152.09	-16.42
		643	597.90	103.80	-322.69	67.46	-286.35	119.07	130.77	-12.20	-12.20	130.77	0.36
		655	262.55	1.82	-344.19	-67.44	-274.93	138.45	8.52	-28.57	-1.06	-18.99	-16.24
		627	364.93	-26.34	-214.99	-90.40	-150.94	89.33	99.89	-8.85	88.71	2.33	-33.02
454	4	615	352.54	55.55	23.13	53.82	24.86	7.28	144.71	46.70	76.17	115.24	-44.94
		643	306.35	63.45	40.23	40.23	63.44	-0.24	94.34	-19.25	-16.34	91.43	-17.96
		655	258.51	64.12	-34.36	-34.34	64.10	-1.34	30.78	-63.47	10.15	-42.84	-38.97
		627	467.84	25.11	-52.63	-51.72	24.20	8.37	131.55	-47.91	102.66	-19.03	-65.95
454	5	615	351.04	57.20	19.04	54.41	21.82	9.93	145.30	47.04	76.42	115.92	-44.98
		643	302.84	57.72	39.96	40.38	57.30	2.69	94.97	-19.07	-16.13	92.02	-18.08
		655	260.11	58.19	-35.55	-35.51	58.15	1.95	30.84	-63.94	10.14	-43.24	-39.16
		627	470.03	22.48	-54.55	-53.04	20.97	10.67	131.60	-48.25	102.69	-19.34	-66.06
454	6	615	348.96	58.43	10.87	55.00	14.30	12.30	146.33	47.39	76.26	117.46	-44.98
		643	299.34	50.57	37.89	40.67	47.79	5.25	96.24	-19.13	-16.22	93.33	-18.08
		655	255.54	49.03	-36.44	-36.18	48.76	4.74	31.48	-62.56	10.14	-41.21	-39.39
		627	467.60	15.69	-56.20	-53.83	13.33	12.81	132.08	-46.54	102.62	-17.08	-66.29
454	7	615	347.69	57.71	15.47	54.79	18.39	10.72	144.71	47.16	75.86	116.01	-44.45
		643	299.74	53.79	39.66	40.63	52.82	3.58	94.91	-19.22	-16.48	92.16	-17.49
		655	253.66	53.83	-35.72	-35.62	53.73	2.96	30.62	-62.11	10.05	-41.53	-38.53
		627	465.17	19.25	-54.96	-53.19	17.48	11.34	131.20	-46.50	102.39	-17.69	-65.49
454	8	615	397.75	124.46	-155.90	88.60	-120.03	93.64	122.14	55.89	58.79	119.24	-13.56
		643	489.37	89.09	-276.46	57.70	-245.07	102.42	101.87	-15.14	-15.02	101.75	3.72
		655	220.07	1.52	-295.06	-58.23	-235.31	118.95	6.80	-15.91	-0.08	-9.03	-10.44
		627	306.10	-22.57	-185.24	-78.01	-129.79	77.10	83.91	-1.72	73.73	8.46	-27.72
454	9	615	318.78	55.09	-62.06	44.50	-51.47	33.60	116.75	40.06	61.51	95.31	-34.42
		643	306.03	40.82	-85.05	31.04	-75.27	33.69	84.23	-6.57	-1.05	78.71	-21.70
		655	215.40	-5.39	-93.99	-27.17	-72.21	38.15	29.50	-49.96	7.82	-28.28	-35.40
		627	331.56	-16.37	-76.77	-38.62	-54.53	29.13	92.58	-33.89	70.37	-11.68	-48.12
454	10	615	318.86	86.88	-96.98	63.74	-73.84	60.98	107.85	52.14	56.23	103.76	-14.53
		643	373.59	62.49	-171.59	42.17	-151.27	65.91	88.87	-6.33	-6.19	88.73	-3.64
		655	163.86	-0.63	-185.49	-41.28	-144.84	76.57	8.54	-27.90	0.18	-19.54	-15.32
		627	258.98	-16.38	-119.90	-56.01	-80.27	50.32	71.62	-13.54	62.60	-4.52	-26.21
454	11	615	247.54	38.83	9.59	36.81	11.61	7.42	103.69	36.33	55.50	84.52	-30.40
		643	215.09	35.26	26.39	27.28	34.36	2.67	70.38	-10.87	-8.42	67.93	-13.89
		655	184.51	35.08	-24.00	-23.91	34.99	2.29	21.33	-46.81	6.40	-31.88	-28.18
		627	321.80	12.25	-36.96	-35.69	10.98	7.80	89.40	-34.38	70.32	-15.30	-44.69
455	1	627	310.95	-36.76	-57.89	-44.41	-50.24	10.15	12.89	-102.83	12.77	-102.71	3.62
		655	392.28	-43.50	-124.13	-56.30	-111.33	29.47	22.22	-113.70	22.01	-113.50	5.31
		644	134.88	24.32	-117.55	19.94	-113.18	24.53	38.75	10.35	32.01	17.09	-12.08
		616	122.83	18.04	-51.83	14.61	-48.40	15.09	39.32	11.33	22.77	27.87	-13.76
455	2	627	327.21	-16.52	-60.06	-56.64	-19.95	11.72	9.86	-116.51	3.46	-110.12	27.71

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		655	418.09	-45.41	-121.58	-70.90	-96.09	35.94	19.57	-126.47	13.95	-120.85	28.10
		644	131.03	26.35	-105.54	19.30	-98.49	29.66	26.23	0.25	19.85	6.62	11.18
		616	78.44	21.53	-25.84	13.23	-17.55	18.00	24.86	1.86	9.37	17.35	10.78
455	3	627	349.70	-29.60	-99.46	-75.48	-53.57	33.17	13.96	-109.58	-3.78	-91.84	43.32
		655	442.47	-51.15	-186.62	-92.48	-145.28	62.38	21.69	-117.32	7.06	-102.70	42.66
		644	202.62	31.36	-164.91	14.65	-148.20	54.78	37.15	-15.25	8.73	13.17	26.11
		616	173.47	28.51	-71.65	7.52	-50.66	40.77	40.75	-18.84	-2.11	24.02	26.78
455	4	627	332.69	36.53	-27.96	-18.02	26.59	-23.29	13.01	-106.22	11.29	-104.50	14.23
		655	388.38	48.44	-36.54	-25.15	37.04	-28.96	20.74	-118.57	19.39	-117.22	13.65
		644	97.76	65.80	13.54	40.33	39.01	-26.13	26.58	10.01	24.67	11.93	-5.30
		616	91.39	54.64	1.89	31.91	24.62	-26.13	26.81	14.40	16.57	24.64	-4.72
455	5	627	336.65	36.60	-28.30	-19.28	27.57	-22.46	12.74	-107.58	11.04	-105.87	14.23
		655	390.44	45.48	-36.88	-26.64	35.24	-27.17	20.72	-119.76	19.35	-118.39	13.80
		644	95.41	63.05	13.73	39.70	37.07	-24.63	26.34	8.86	24.79	10.40	-4.96
		616	87.94	53.70	3.39	31.35	25.74	-25.00	25.25	14.14	16.48	22.92	-4.53
455	6	627	326.06	29.44	-28.60	-20.24	21.08	-20.37	12.68	-105.29	11.04	-103.66	13.81
		655	379.49	37.39	-37.17	-27.71	27.94	-24.81	20.63	-117.52	19.32	-116.21	13.39
		644	94.71	57.31	11.62	39.20	29.73	-22.35	26.71	9.95	24.73	11.93	-5.41
		616	87.55	48.62	1.50	30.83	19.29	-22.84	26.87	14.06	16.45	24.48	-4.99
455	7	627	328.21	32.34	-28.44	-19.64	23.54	-21.39	12.93	-105.26	11.12	-103.45	14.52
		655	381.68	41.36	-37.02	-27.02	31.35	-26.16	20.65	-117.42	19.24	-116.01	13.91
		644	93.30	60.17	12.56	39.54	33.19	-23.59	25.85	9.94	24.25	11.54	-4.79
		616	86.31	50.84	2.01	31.15	21.70	-23.95	25.88	14.35	16.13	24.10	-4.18
455	8	627	278.79	-24.95	-84.88	-64.80	-45.03	28.29	12.77	-85.20	-3.63	-68.79	36.58
		655	350.03	-43.79	-159.52	-79.40	-123.90	53.42	19.60	-88.86	7.01	-76.27	34.74
		644	179.68	26.92	-140.75	12.59	-126.42	46.87	28.87	-18.37	3.45	7.06	23.55
		616	159.03	24.56	-60.60	6.47	-42.51	34.83	31.29	-23.95	-7.20	14.54	25.39
455	9	627	219.27	-22.46	-28.64	-26.69	-24.41	2.87	9.03	-74.80	8.83	-74.60	4.08
		655	270.17	-28.31	-62.85	-34.11	-57.04	12.91	14.32	-83.37	14.00	-83.05	5.59
		644	80.66	17.21	-59.31	15.74	-57.84	10.51	27.12	8.54	22.82	12.84	-7.84
		616	79.87	12.58	-24.39	11.81	-23.62	5.28	28.99	9.95	17.65	21.29	-9.35
455	10	627	232.93	-17.12	-53.09	-43.96	-26.26	15.66	8.50	-77.43	-0.36	-68.56	26.14
		655	292.42	-32.03	-98.09	-54.21	-75.90	31.20	13.37	-84.72	5.70	-77.05	26.34
		644	106.15	20.43	-84.93	12.80	-77.29	27.31	23.66	-3.11	9.89	10.66	13.38
		616	88.62	16.99	-34.00	7.87	-24.87	19.55	26.73	-3.75	3.83	19.15	13.18
455	11	627	234.99	21.00	-19.06	-13.27	15.21	-14.09	9.00	-76.25	7.87	-75.12	9.74
		655	272.96	26.91	-24.81	-18.23	20.33	-17.24	13.54	-85.59	12.51	-84.56	10.08
		644	69.70	39.72	8.27	26.44	21.56	-15.53	20.41	8.34	18.77	9.97	-4.13
		616	68.94	33.56	1.24	20.82	13.98	-15.79	21.96	11.58	14.14	19.41	-4.47
456	1	616	445.65	65.11	-73.13	49.91	-57.93	43.25	164.57	46.27	85.76	125.09	-55.79
		644	392.20	47.06	-69.78	32.10	-54.82	39.05	117.16	-11.01	-0.81	106.96	-34.69
		656	288.81	-9.28	-93.15	-50.35	-52.08	41.93	48.98	-55.97	15.52	-22.52	-48.91
		628	479.30	-24.14	-105.28	-68.75	-60.67	40.37	136.80	-39.10	102.09	-4.39	-70.01
456	2	616	337.81	61.07	-40.96	45.68	-25.56	36.52	130.78	50.94	70.33	111.39	-34.24
		644	301.85	45.17	-32.25	28.72	-15.80	31.67	93.40	-14.98	-13.78	92.20	-11.34
		656	192.96	6.28	-71.28	-51.53	-13.47	33.79	20.97	-43.14	5.82	-27.99	-27.23
		628	396.22	-8.55	-89.07	-69.72	-27.89	34.40	110.93	-29.79	89.94	-8.80	-50.13
456	3	616	328.62	58.47	-65.80	36.83	-44.16	47.13	120.68	49.02	56.04	113.66	-21.30
		644	310.31	45.01	-48.20	20.46	-23.65	41.06	91.14	-26.99	-26.74	90.89	5.40
		656	139.41	5.32	-87.04	-59.87	-21.85	42.09	6.09	-31.44	-1.50	-23.85	-15.08
		628	355.43	-13.35	-111.12	-78.52	-45.95	46.09	98.76	-18.57	81.28	-1.09	-41.78
456	4	616	379.75	55.77	-16.24	52.21	-12.67	15.62	152.74	39.62	78.58	113.77	-53.75
		644	305.29	42.51	27.85	37.75	32.60	6.86	103.03	-17.70	-11.49	96.81	-26.68
		656	217.12	33.46	-40.48	-40.10	33.08	5.29	45.75	-38.73	15.91	-8.89	-40.38
		628	452.48	-7.45	-64.93	-59.22	-13.15	17.19	140.37	-26.32	105.98	8.06	-67.45
456	5	616	375.78	55.67	-13.89	51.92	-10.14	15.71	151.64	39.62	78.67	112.59	-53.38
		644	302.47	43.02	28.52	37.40	34.14	7.06	101.69	-17.54	-11.38	95.53	-26.41
		656	219.41	35.09	-40.89	-40.48	34.67	5.59	44.63	-40.16	15.73	-11.25	-40.20
		628	453.57	-5.23	-65.00	-59.56	-10.67	17.18	139.51	-27.93	105.77	5.81	-67.17
456	6	616	383.55	55.72	-19.97	51.43	-15.67	17.51	153.13	39.66	78.56	114.22	-53.86
		644	302.62	42.61	23.30	36.89	29.02	8.81	103.04	-17.77	-11.54	96.81	-26.72
		656	221.82	30.28	-41.95	-41.20	29.53	7.31	45.75	-40.05	15.79	-10.10	-40.90
		628	456.37	-9.13	-67.41	-60.35	-16.19	19.02	140.62	-27.42	105.89	7.32	-68.04
456	7	616	378.13	55.64	-17.97	51.63	-13.95	16.71	151.53	39.56	77.95	113.14	-53.15
		644	301.01	42.58	25.35	37.14	30.79	8.01	101.85	-17.86	-11.94	95.93	-25.96
		656	216.64	31.88	-41.35	-40.77	31.30	6.49	44.95	-38.81	15.64	-9.50	-39.95
		628	451.83	-8.05	-66.29	-59.88	-14.46	18.23	139.69	-26.45	105.53	7.71	-67.15
456	8	616	256.50	50.64	-54.89	31.90	-36.14	40.33	91.99	34.79	40.05	86.74	-16.52
		644	247.17	38.98	-40.63	17.75	-19.40	35.21	68.26	-28.54	-27.74	67.46	8.76
		656	99.69	5.29	-74.51	-51.41	-17.81	36.19	2.72	-20.80	-1.72	-16.35	-9.20
		628	290.84	-10.53	-94.64	-67.43	-37.74	39.35	81.24	-12.26	66.06	2.92	-34.48
456	9	616	302.88	42.31	-42.12	33.62	-33.43	25.65	114.89	34.33	61.21	88.01	-37.99

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		644	265.43	30.82	-34.92	22.11	-26.21	22.28	83.16	-6.40	0.86	75.90	-24.44
		656	194.82	-4.60	-52.59	-32.53	-24.65	23.67	33.50	-38.94	10.72	-16.16	-33.64
		628	325.68	-15.19	-64.73	-44.94	-34.99	24.27	93.82	-26.80	71.07	-4.05	-47.18
456	10	616	236.28	38.41	-37.82	26.36	-25.78	27.81	89.56	36.80	44.70	81.66	-18.83
		644	214.91	29.80	-23.05	15.64	-8.89	23.40	67.04	-13.61	-13.55	66.98	-2.17
		656	112.94	5.25	-50.93	-37.82	-7.86	23.76	9.58	-25.22	1.26	-16.91	-14.84
		628	257.31	-8.72	-68.46	-50.37	-26.81	27.45	72.75	-15.45	59.52	-2.22	-31.50
456	11	616	268.43	37.20	-12.69	34.47	-9.95	11.36	108.53	30.66	57.21	81.98	-36.92
		644	217.29	28.48	16.65	24.77	20.36	5.49	75.25	-10.09	-5.10	70.26	-20.01
		656	158.49	21.09	-27.85	-27.45	20.69	4.44	31.68	-30.07	10.87	-9.27	-29.19
		628	313.24	-5.81	-44.74	-40.27	-10.28	12.41	95.91	-20.28	73.19	2.45	-46.09
457	1	628	217.69	-10.07	-43.03	-41.11	-11.99	-7.72	23.57	-62.67	23.19	-62.30	-5.70
		656	230.71	-37.35	-57.02	-41.11	-53.26	-7.73	27.37	-62.08	21.09	-55.81	-22.85
		645	221.75	32.56	-53.96	31.87	-53.26	-7.73	69.64	3.70	6.70	66.64	-13.74
		617	169.11	33.19	-13.31	31.87	-11.99	-7.72	60.38	8.58	8.80	60.15	3.41
457	2	628	254.22	13.15	-45.50	-42.97	10.61	-11.92	23.49	-69.80	21.59	-67.90	13.19
		656	216.95	-8.73	-47.12	-42.97	-12.88	-11.92	20.51	-64.78	20.20	-64.47	-5.12
		645	158.12	36.11	-15.78	33.21	-12.88	-11.92	53.22	3.28	3.28	53.22	-0.27
		617	162.90	38.34	5.49	33.21	10.61	-11.92	56.12	-1.65	4.67	49.80	18.04
457	3	628	250.58	-0.94	-47.62	-44.50	-4.06	-11.65	23.06	-71.71	16.63	-65.29	23.82
		656	219.76	-6.33	-48.06	-44.50	-9.88	-11.65	18.29	-65.42	17.93	-65.06	5.48
		645	147.63	36.99	-12.78	34.10	-9.88	-11.65	46.91	-0.48	0.18	46.24	5.56
		617	186.99	37.37	-7.33	34.10	-4.06	-11.65	56.03	-11.12	-1.12	46.02	23.91
457	4	628	208.83	22.70	-45.96	-39.37	16.11	-20.22	29.19	-46.03	29.11	-45.94	2.53
		656	182.41	6.51	-48.28	-39.37	-2.41	-20.22	30.58	-44.17	25.76	-39.34	-18.36
		645	178.36	46.04	-10.85	37.61	-2.41	-20.22	63.55	1.22	2.53	62.24	-8.91
		617	162.87	49.76	3.96	37.61	16.11	-20.22	58.38	3.14	5.87	55.65	11.99
457	5	628	216.26	25.52	-45.79	-39.57	19.31	-20.11	28.85	-48.63	28.78	-48.56	2.45
		656	189.57	8.63	-47.97	-39.57	0.23	-20.12	30.31	-46.63	25.62	-41.94	-18.40
		645	173.58	46.26	-8.56	37.47	0.23	-20.12	62.51	1.31	2.65	61.17	-8.96
		617	158.26	50.46	6.32	37.47	19.31	-20.11	57.30	3.06	5.80	54.56	11.89
457	6	628	209.41	21.22	-45.93	-39.54	14.84	-19.69	28.45	-47.39	28.40	-47.34	1.91
		656	185.18	4.82	-48.29	-39.54	-3.93	-19.69	30.41	-45.81	25.43	-40.83	-18.83
		645	179.32	45.31	-11.81	37.43	-3.93	-19.69	63.66	1.13	2.63	62.16	-9.55
		617	161.90	48.84	3.44	37.43	14.84	-19.69	58.04	3.21	5.60	55.65	11.19
457	7	628	209.34	22.10	-45.91	-39.48	15.67	-19.90	28.84	-46.66	28.74	-46.56	2.64
		656	183.38	5.98	-48.20	-39.48	-2.73	-19.90	30.29	-44.77	25.59	-40.07	-18.18
		645	176.25	45.66	-10.91	37.48	-2.73	-19.90	62.65	1.14	2.46	61.33	-8.90
		617	161.22	49.26	3.88	37.48	15.67	-19.90	57.58	2.87	5.61	54.84	11.92
457	8	628	203.49	1.31	-40.65	-38.25	-1.09	-9.74	18.24	-57.76	11.77	-51.30	21.20
		656	177.24	-4.14	-41.03	-38.25	-6.92	-9.74	16.37	-50.66	15.99	-50.28	5.02
		645	104.33	31.68	-9.38	29.22	-6.92	-9.74	30.30	-2.89	-1.88	29.29	5.70
		617	149.69	32.08	-3.95	29.22	-1.09	-9.74	38.91	-16.73	-6.10	28.28	21.88
457	9	628	155.20	-3.01	-29.25	-27.37	-4.90	-6.78	18.02	-43.12	17.85	-42.95	-3.19
		656	155.34	-21.65	-35.41	-27.37	-29.69	-6.78	18.32	-42.88	14.45	-39.00	-14.91
		645	155.24	22.92	-30.57	22.05	-29.69	-6.78	51.00	3.39	5.17	49.22	-9.02
		617	121.83	23.65	-6.51	22.05	-4.90	-6.78	45.47	8.37	8.57	45.27	2.69
457	10	628	171.07	2.07	-31.81	-29.25	-0.50	-8.96	17.04	-47.44	14.20	-44.61	13.21
		656	148.73	-2.59	-32.26	-29.25	-5.59	-8.96	12.70	-44.16	12.69	-44.15	0.83
		645	112.39	25.84	-8.15	23.28	-5.59	-8.96	37.97	1.47	1.55	37.89	1.70
		617	128.45	26.28	-3.49	23.28	-0.50	-8.96	42.46	-1.97	3.06	37.43	14.08
457	11	628	150.92	14.41	-30.91	-26.50	10.01	-13.43	20.76	-34.66	20.74	-34.64	1.04
		656	131.33	3.69	-32.47	-26.50	-2.29	-13.43	20.02	-33.85	16.86	-30.68	-12.67
		645	131.78	30.62	-7.77	25.14	-2.29	-13.43	47.73	1.91	2.91	46.73	-6.69
		617	116.98	32.98	2.16	25.14	10.01	-13.43	44.09	5.47	6.79	42.77	7.01
458	1	617	454.16	37.90	-54.36	32.62	-49.08	21.42	152.94	-0.55	29.62	122.78	-60.99
		645	387.24	42.56	-13.54	32.62	-3.60	21.42	126.23	-16.98	-1.35	110.59	-44.67
		657	450.04	8.34	-42.04	-30.10	-3.60	21.42	18.81	-150.51	-2.45	-129.25	-56.10
		629	493.22	-16.16	-63.02	-30.10	-49.08	21.42	58.41	-146.96	28.51	-117.07	-72.43
458	2	617	386.26	36.78	-37.62	32.60	-33.44	17.14	135.00	6.97	27.02	114.94	-46.54
		645	313.33	44.90	8.70	32.60	21.00	17.15	107.72	-12.76	-5.58	100.55	-28.51
		657	400.91	26.14	-36.18	-31.04	21.00	17.15	12.72	-131.75	-1.23	-117.80	-42.67
		629	437.81	-15.06	-49.42	-31.04	-33.44	17.14	54.68	-126.71	31.38	-103.41	-60.70
458	3	617	381.78	37.81	-46.76	33.80	-42.75	17.97	130.80	6.84	23.33	114.31	-42.10
		645	296.67	47.48	10.16	33.80	23.84	17.98	101.26	-14.25	-10.00	97.00	-21.76
		657	391.13	29.09	-37.82	-32.57	23.84	17.98	11.43	-127.85	-1.02	-115.40	-39.74
		629	424.32	-18.98	-56.34	-32.57	-42.75	17.97	55.77	-121.55	32.31	-98.10	-60.07
458	4	617	425.25	39.39	-42.69	35.56	-38.86	17.30	145.87	1.55	28.00	119.41	-55.84
		645	348.26	46.32	7.71	35.56	18.47	17.31	117.49	-16.31	-6.52	107.70	-34.84
		657	379.65	23.78	-37.89	-32.58	18.47	17.31	20.32	-119.23	3.81	-102.73	-45.07
		629	441.51	-18.13	-53.31	-32.58	-38.86	17.30	66.11	-118.79	38.34	-91.02	-66.06
458	5	617	422.94	39.18	-40.08	35.37	-36.27	16.95	145.51	1.33	28.05	118.79	-56.02

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		645	345.69	46.56	9.66	35.37	20.85	16.96	117.03	-16.41	-6.40	107.02	-35.15
		657	385.22	25.77	-37.54	-32.62	20.85	16.96	20.18	-121.05	3.59	-104.47	-45.46
		629	445.70	-17.39	-51.50	-32.62	-36.27	16.95	65.81	-120.46	38.05	-92.70	-66.33
458	6	617	430.02	39.37	-43.47	35.50	-39.60	17.49	147.12	0.85	27.93	120.04	-56.82
		645	351.83	46.40	7.40	35.50	18.30	17.50	118.42	-16.79	-6.49	108.11	-35.88
		657	387.36	23.73	-38.04	-32.61	18.30	17.50	20.63	-121.96	3.45	-104.79	-46.41
		629	448.22	-18.27	-53.94	-32.61	-39.60	17.49	66.36	-121.35	37.87	-92.86	-67.35
458	7	617	424.63	39.34	-42.75	35.49	-38.90	17.34	145.55	1.40	27.91	119.04	-55.84
		645	347.04	46.39	7.87	35.49	18.77	17.35	116.98	-16.47	-6.65	107.17	-34.83
		657	380.98	24.08	-37.93	-32.62	18.77	17.35	20.34	-119.65	3.73	-103.05	-45.27
		629	442.48	-18.13	-53.39	-32.62	-38.90	17.34	66.20	-119.09	38.29	-91.18	-66.28
458	8	617	303.11	32.54	-37.51	29.00	-33.96	15.36	102.17	3.17	15.94	89.40	-33.19
		645	230.29	41.37	9.91	29.00	22.28	15.37	77.33	-13.63	-11.13	74.83	-14.87
		657	304.59	26.57	-32.71	-28.42	22.28	15.37	9.62	-97.65	0.33	-88.36	-30.17
		629	336.48	-15.58	-46.79	-28.42	-33.96	15.36	46.88	-93.27	27.40	-73.79	-48.48
458	9	617	312.14	25.49	-35.47	22.19	-32.16	13.81	106.70	1.54	22.13	86.11	-41.73
		645	267.15	28.80	-6.69	22.19	-0.08	13.82	88.51	-10.72	-0.07	77.86	-30.71
		657	310.71	6.93	-27.29	-20.28	-0.08	13.82	12.80	-103.89	-1.50	-89.59	-38.27
		629	340.10	-11.18	-41.25	-20.28	-32.16	13.81	40.61	-101.25	20.70	-81.33	-49.28
458	10	617	271.63	25.46	-31.26	22.84	-28.64	11.90	94.30	5.75	18.64	81.41	-31.23
		645	215.97	31.51	6.49	22.84	15.16	11.90	74.39	-8.96	-4.87	70.31	-17.99
		657	278.01	18.68	-25.17	-21.65	15.16	11.90	8.69	-91.29	-0.70	-81.90	-29.17
		629	301.95	-12.75	-37.55	-21.65	-28.64	11.90	39.17	-87.15	22.81	-70.80	-42.41
458	11	617	298.73	26.33	-29.43	23.78	-26.89	11.63	103.46	2.32	21.19	84.59	-39.41
		645	247.36	30.96	4.91	23.78	12.08	11.63	84.15	-10.59	-2.92	76.48	-25.83
		657	275.94	15.71	-25.29	-21.67	12.08	11.63	13.82	-88.04	1.78	-76.00	-32.88
		629	314.92	-12.36	-36.20	-21.67	-26.89	11.63	45.01	-87.00	25.90	-67.89	-46.45
459	1	629	388.25	15.42	-28.04	-26.42	13.79	-8.25	14.86	-131.24	12.39	-128.77	-18.84
		657	359.64	-2.32	-29.24	-26.42	-5.14	-8.26	18.49	-123.28	13.58	-118.37	-25.92
		646	212.50	23.93	-7.49	21.59	-5.14	-8.26	87.09	23.55	25.94	84.70	-12.07
		618	183.98	26.82	8.56	21.59	13.79	-8.25	74.81	24.25	24.75	74.31	-4.99
459	2	629	354.54	22.61	-32.49	-28.96	19.09	-13.48	14.37	-116.42	14.10	-116.15	-5.92
		657	332.41	7.97	-33.89	-28.96	3.05	-13.48	17.68	-110.94	15.60	-108.86	-16.22
		646	155.03	32.81	-3.06	26.70	3.05	-13.48	63.87	17.79	18.76	62.90	-6.62
		618	140.46	36.90	8.89	26.70	19.09	-13.48	55.96	16.90	17.25	55.61	3.68
459	3	629	349.66	21.19	-34.04	-30.23	17.37	-14.01	13.54	-115.08	13.46	-115.00	-3.15
		657	330.89	7.93	-35.37	-30.23	2.79	-14.01	18.36	-109.64	16.71	-107.98	-14.45
		646	135.94	34.57	-3.39	28.39	2.79	-14.01	55.96	16.35	17.13	55.18	-5.50
		618	122.54	37.94	7.83	28.39	17.37	-14.01	49.12	12.93	13.88	48.17	5.80
459	4	629	338.68	18.46	-34.24	-30.47	14.69	-13.59	19.99	-107.74	19.61	-107.36	-7.02
		657	316.38	5.29	-35.63	-30.47	0.13	-13.59	24.66	-101.13	21.20	-97.67	-20.57
		646	144.25	34.64	-5.23	29.29	0.13	-13.59	59.15	15.45	16.87	57.73	-7.74
		618	120.27	37.41	6.56	29.29	14.69	-13.59	49.04	14.27	15.27	48.04	5.81
459	5	629	342.77	20.17	-34.58	-30.66	16.25	-14.12	19.82	-109.03	19.41	-108.62	-7.25
		657	319.89	6.40	-36.04	-30.66	1.02	-14.12	24.46	-102.43	20.99	-98.95	-20.70
		646	146.57	35.38	-4.79	29.57	1.02	-14.12	60.12	15.66	17.11	58.67	-7.90
		618	123.30	38.53	7.30	29.57	16.25	-14.12	49.91	14.64	15.53	49.01	5.55
459	6	629	343.42	18.68	-34.14	-30.43	14.96	-13.51	19.66	-109.82	19.13	-109.30	-8.23
		657	321.10	5.19	-35.55	-30.43	0.07	-13.51	24.59	-103.08	20.88	-99.37	-21.43
		646	149.75	34.43	-5.25	29.12	0.07	-13.51	61.54	16.07	17.64	59.97	-8.30
		618	124.81	37.29	6.79	29.12	14.96	-13.51	50.73	15.20	15.88	50.04	4.89
459	7	629	339.63	18.78	-34.28	-30.50	15.00	-13.65	19.92	-108.10	19.50	-107.68	-7.28
		657	317.22	5.40	-35.69	-30.50	0.21	-13.65	24.67	-101.44	21.16	-97.93	-20.75
		646	144.27	34.70	-5.19	29.30	0.21	-13.65	59.25	15.56	17.02	57.79	-7.84
		618	120.35	37.56	6.74	29.30	15.00	-13.65	48.98	14.42	15.36	48.04	5.63
459	8	629	278.08	20.51	-29.98	-26.53	17.06	-12.74	10.32	-90.39	10.32	-90.38	-0.37
		657	263.54	7.50	-31.30	-26.53	2.73	-12.74	17.27	-85.12	15.98	-83.82	-11.44
		646	85.76	30.94	-3.02	25.19	2.73	-12.74	34.50	10.82	11.34	33.97	-3.49
		618	79.91	34.49	7.75	25.19	17.06	-12.74	29.79	3.30	5.69	27.41	7.58
459	9	629	268.04	10.09	-19.25	-17.98	8.82	-5.98	11.60	-89.97	10.08	-88.45	-12.30
		657	247.70	-0.71	-20.05	-17.98	-2.79	-5.98	12.30	-85.03	9.19	-81.91	-17.12
		646	151.05	16.91	-4.60	15.10	-2.79	-5.98	62.03	16.59	18.10	60.52	-8.14
		618	132.41	18.71	5.20	15.10	8.82	-5.98	54.29	18.68	19.00	53.98	-3.32
459	10	629	246.38	13.33	-22.62	-20.10	10.81	-9.18	10.82	-80.95	10.68	-80.81	-3.58
		657	231.70	4.98	-23.46	-20.10	1.62	-9.18	12.23	-77.45	10.93	-76.14	-10.75
		646	108.12	22.85	-2.35	18.88	1.62	-9.18	44.76	12.57	13.21	44.12	-4.49
		618	97.80	24.87	4.81	18.88	10.81	-9.18	39.72	12.69	12.96	39.46	2.67
459	11	629	243.24	11.93	-22.67	-20.21	9.47	-8.90	14.28	-78.08	13.83	-77.64	-6.41
		657	226.25	3.46	-23.56	-20.21	0.11	-8.90	15.70	-73.82	13.25	-71.36	-14.63
		646	116.22	22.77	-3.39	19.28	0.11	-8.90	47.85	12.42	13.49	46.78	-6.05
		618	99.23	24.54	4.21	19.28	9.47	-8.90	40.68	13.89	14.07	40.50	2.17
460	1	618	634.13	22.43	-0.89	20.59	0.96	6.30	258.60	54.54	102.43	210.71	-86.48

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		646	473.07	21.88	-10.26	20.59	-8.97	6.31	156.32	-27.45	-26.80	155.67	-10.93
		648	224.21	-6.24	-23.55	-20.82	-8.97	6.31	72.16	-13.68	33.63	24.85	-42.69
		620	676.05	2.65	-22.51	-20.82	0.96	6.30	246.68	-3.94	162.85	79.89	-118.24
460	2	618	545.73	26.58	-1.04	24.86	0.68	6.68	221.92	46.46	87.01	181.36	-73.97
		646	400.09	26.12	-10.61	24.86	-9.35	6.69	127.38	-28.18	-28.12	127.32	-3.14
		648	191.43	-6.70	-26.24	-23.59	-9.35	6.69	61.44	-10.13	30.47	20.84	-35.46
		620	609.16	2.40	-25.31	-23.59	0.68	6.68	222.26	-1.77	145.60	74.89	-106.29
460	3	618	535.68	28.49	-2.79	26.55	-0.85	7.54	216.85	44.42	84.55	176.72	-72.86
		646	387.75	28.05	-11.25	26.55	-9.75	7.55	120.98	-30.16	-30.16	120.98	-0.56
		648	188.06	-6.76	-28.86	-25.87	-9.75	7.55	60.07	-9.29	30.59	20.19	-34.29
		620	611.47	1.25	-27.97	-25.87	-0.85	7.54	222.71	-1.48	145.30	75.93	-106.59
460	4	618	538.94	30.02	-4.08	27.64	-1.71	8.67	216.84	42.12	84.79	174.17	-75.06
		646	386.68	29.51	-12.71	27.64	-10.84	8.68	120.13	-30.00	-29.97	120.11	-2.03
		648	191.72	-7.26	-31.89	-28.31	-10.84	8.68	61.44	-8.12	31.78	21.54	-34.40
		620	618.19	0.87	-30.89	-28.31	-1.71	8.67	224.22	-2.07	146.55	75.60	-107.44
460	5	618	543.02	30.13	-3.45	27.82	-1.13	8.50	218.67	42.50	85.45	175.72	-75.64
		646	390.42	29.60	-12.68	27.82	-10.90	8.51	121.49	-30.04	-30.01	121.46	-2.29
		648	193.10	-7.40	-31.61	-28.11	-10.90	8.51	61.94	-8.31	31.93	21.70	-34.76
		620	621.62	1.32	-30.57	-28.11	-1.13	8.50	225.53	-2.18	147.38	75.96	-108.11
460	6	618	550.30	29.82	-3.87	27.47	-1.53	8.58	221.55	43.06	86.62	178.00	-76.66
		646	395.70	29.31	-12.64	27.47	-10.80	8.58	123.53	-30.12	-30.07	123.48	-2.76
		648	195.76	-7.26	-31.60	-28.06	-10.80	8.58	62.79	-8.57	32.22	22.01	-35.31
		620	627.88	1.00	-30.59	-28.06	-1.53	8.58	227.77	-2.34	148.91	76.52	-109.22
460	7	618	540.30	29.99	-4.05	27.64	-1.70	8.63	217.44	42.32	85.14	174.63	-75.26
		646	387.66	29.49	-12.65	27.64	-10.79	8.64	120.50	-30.02	-29.99	120.47	-2.12
		648	192.24	-7.24	-31.80	-28.24	-10.79	8.64	61.62	-8.19	31.84	21.59	-34.53
		620	619.60	0.87	-30.80	-28.24	-1.70	8.63	224.77	-2.06	146.97	75.74	-107.68
460	8	618	413.96	25.07	-2.88	23.43	-1.25	6.55	166.38	32.05	63.14	135.29	-56.66
		646	295.39	24.74	-9.51	23.43	-8.21	6.56	88.96	-26.58	-26.53	88.91	2.41
		648	146.01	-5.68	-25.19	-22.66	-8.21	6.56	46.26	-6.91	24.14	15.21	-26.21
		620	487.16	0.60	-24.51	-22.66	-1.25	6.55	176.89	-1.48	113.81	61.60	-85.28
460	9	618	437.24	15.71	-0.57	14.40	0.74	4.43	178.61	38.51	71.73	145.40	-59.58
		646	326.92	15.31	-7.26	14.40	-6.35	4.44	108.31	-18.41	-17.94	107.84	-7.74
		648	154.31	-4.42	-16.54	-14.61	-6.35	4.44	49.83	-9.03	23.44	17.36	-29.27
		620	465.87	1.93	-15.80	-14.61	0.74	4.43	170.19	-2.17	113.11	54.92	-81.12
460	10	618	382.50	19.07	-1.62	17.71	-0.26	5.13	155.42	32.89	61.79	126.52	-52.02
		646	279.08	18.74	-7.81	17.71	-6.78	5.13	88.60	-19.84	-19.80	88.56	-1.98
		648	134.22	-4.71	-19.49	-17.42	-6.78	5.13	43.11	-6.59	21.76	14.77	-24.60
		620	429.95	1.15	-18.83	-17.42	-0.26	5.13	156.86	-0.78	103.36	52.72	-74.64
460	11	618	390.61	19.81	-2.23	18.22	-0.64	5.70	158.04	32.13	62.94	127.23	-54.13
		646	283.64	19.44	-8.58	18.22	-7.36	5.70	90.05	-19.85	-19.76	89.95	-3.19
		648	138.50	-4.98	-21.01	-18.63	-7.36	5.70	44.62	-6.19	22.66	15.78	-25.17
		620	439.09	1.02	-20.29	-18.63	-0.64	5.70	159.67	-1.27	105.36	53.05	-76.10
461	1	711	489.39	25.30	-197.80	-156.45	-16.05	86.69	143.78	-10.24	34.84	98.70	-70.08
		393	2436.85	-51.17	-246.16	-162.77	-134.57	96.47	-81.07	-933.43	-917.54	-96.96	-115.30
		158	2619.79	-7.23	-203.35	-76.30	-134.28	93.68	65.36	-935.48	-903.76	33.64	-175.34
		698	895.95	46.22	-144.34	-81.78	-16.34	89.49	297.37	-19.44	48.62	229.30	-130.12
461	2	711	472.52	25.48	-171.92	-134.84	-11.59	77.10	141.58	-13.27	29.40	98.91	-69.18
		393	2454.72	-48.75	-223.22	-139.74	-132.23	87.15	-80.47	-944.60	-928.77	-96.30	-115.88
		158	2647.02	-13.94	-192.14	-73.96	-132.12	84.22	64.91	-947.30	-916.05	33.66	-175.08
		698	881.63	41.77	-131.49	-78.02	-11.70	80.03	294.25	-23.25	42.12	228.87	-128.38
461	3	711	463.17	25.65	-162.64	-127.01	-9.98	73.75	139.49	-14.36	26.85	98.28	-68.13
		393	2457.25	-47.35	-215.16	-131.26	-131.26	83.91	-79.62	-946.88	-931.26	-95.24	-115.35
		158	2649.60	-17.40	-188.76	-74.92	-131.23	80.92	64.44	-949.48	-918.92	33.88	-173.35
		698	868.80	39.84	-128.16	-78.32	-10.00	76.74	290.67	-24.07	39.19	227.41	-126.13
461	4	711	468.88	24.76	-183.72	-144.89	-14.07	81.16	138.33	-11.87	30.74	95.72	-67.71
		393	2464.41	-47.77	-230.36	-150.08	-128.05	90.63	-81.71	-945.69	-931.24	-96.17	-110.81
		158	2633.36	-12.73	-194.96	-79.81	-127.88	87.89	66.93	-942.79	-914.18	38.32	-167.54
		698	871.15	41.68	-140.12	-84.20	-14.24	83.90	293.27	-15.28	47.79	230.20	-124.43
461	5	711	486.51	25.27	-175.13	-137.60	-12.26	78.19	146.49	-9.76	37.43	99.30	-71.74
		393	2484.64	-47.71	-224.10	-142.29	-129.52	87.97	-82.61	-955.90	-940.02	-98.48	-116.68
		158	2670.77	-15.69	-193.11	-79.37	-129.43	85.11	69.25	-955.27	-924.00	37.98	-176.24
		698	899.31	40.66	-136.25	-83.24	-12.35	81.04	304.44	-15.24	53.45	235.76	-131.30
461	6	711	490.32	25.51	-191.05	-150.52	-15.02	84.47	145.45	-8.88	37.46	99.12	-70.74
		393	2460.53	-49.66	-239.58	-156.08	-133.16	94.27	-82.52	-944.24	-928.41	-98.35	-115.73
		158	2642.98	-11.68	-201.90	-80.61	-132.97	91.44	66.82	-944.98	-913.38	35.22	-175.99
		698	900.30	43.80	-144.36	-85.35	-15.21	87.30	301.58	-16.41	52.48	232.69	-131.00
461	7	711	472.08	24.62	-186.85	-147.37	-14.86	82.40	140.02	-8.28	35.40	96.33	-67.60
		393	2384.29	-48.30	-233.56	-152.92	-128.95	91.85	-79.84	-914.53	-899.27	-95.09	-111.81
		158	2561.60	-10.37	-195.85	-77.49	-128.74	89.13	64.37	-915.91	-885.36	33.82	-170.33
		698	870.30	42.85	-140.16	-82.23	-15.07	85.12	291.05	-16.49	49.32	225.25	-126.12
461	8	711	356.03	19.75	-125.38	-97.91	-7.71	56.85	106.56	-12.55	18.88	75.13	-52.49

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		393	1889.20	-36.55	-165.90	-101.22	-101.22	64.67	-60.85	-727.80	-715.82	-72.84	-88.60
		158	2035.59	-13.15	-145.38	-57.32	-101.20	62.37	48.88	-729.70	-706.36	25.54	-132.77
		698	665.67	30.80	-98.52	-59.98	-7.73	59.15	221.80	-19.95	28.34	173.50	-96.66
461	9	711	344.66	17.94	-136.43	-107.74	-10.75	60.05	102.32	-5.94	25.96	70.42	-49.35
		393	1730.44	-35.76	-170.84	-111.95	-94.65	66.99	-57.80	-663.62	-652.36	-69.05	-81.81
		158	1862.52	-6.48	-142.48	-54.48	-94.48	64.99	47.02	-665.19	-642.66	24.49	-124.65
		698	635.22	31.86	-100.89	-58.11	-10.93	62.04	212.13	-12.51	35.66	163.97	-92.20
461	10	711	329.88	18.13	-116.89	-91.38	-7.38	52.86	99.91	-8.20	21.52	70.19	-48.27
		393	1741.77	-33.62	-153.64	-94.44	-92.81	60.01	-56.99	-671.09	-659.98	-68.10	-81.84
		158	1879.07	-12.14	-134.37	-53.72	-92.79	57.91	46.50	-672.96	-651.08	24.62	-123.55
		698	620.08	28.33	-91.93	-56.19	-7.40	54.96	208.40	-15.07	30.42	162.91	-89.98
461	11	711	345.18	18.06	-132.68	-104.44	-10.18	58.81	103.25	-5.18	27.41	70.65	-49.72
		393	1743.59	-34.90	-167.21	-108.23	-93.87	65.76	-58.60	-669.62	-658.40	-69.83	-82.05
		158	1875.40	-8.95	-141.68	-56.88	-93.75	63.75	47.82	-670.46	-648.00	25.36	-125.02
		698	637.66	30.53	-100.92	-60.09	-10.30	60.82	214.47	-10.82	37.80	165.85	-92.68
462	1	736	343.57	5.98	-7.56	-1.75	0.17	6.70	110.51	-26.79	38.18	45.54	-68.55
		711	743.59	-1.32	-20.12	-2.65	-18.78	4.82	264.25	-24.03	172.67	67.56	-134.21
		698	1084.95	-9.66	-21.94	-12.83	-18.77	5.37	437.90	84.66	145.37	377.20	-133.26
		722	985.82	2.52	-15.90	-13.54	0.16	6.15	367.98	-1.91	10.89	355.18	-67.60
462	2	736	340.61	5.11	-4.99	0.02	0.10	5.05	109.85	-27.18	37.64	45.03	-68.42
		711	735.77	0.02	-15.02	-0.93	-14.07	3.66	261.86	-24.04	170.67	67.15	-133.26
		698	1080.55	-8.86	-17.21	-12.05	-14.03	4.06	437.54	84.91	144.36	378.09	-132.02
		722	986.95	1.57	-14.36	-12.86	0.06	4.66	368.61	-1.30	11.34	355.97	-67.18
462	3	736	336.88	4.31	-4.91	-0.34	-0.26	4.61	108.77	-26.90	37.39	44.49	-67.74
		711	727.71	-0.16	-13.23	-1.14	-12.25	3.44	258.78	-24.18	167.91	66.69	-132.11
		698	1072.25	-7.47	-15.22	-10.48	-12.22	3.77	434.27	83.48	141.72	376.02	-130.54
		722	979.61	1.18	-12.64	-11.15	-0.30	4.28	366.16	-1.14	11.20	353.82	-66.17
462	4	736	332.24	4.28	-9.43	-3.75	-1.40	6.75	106.21	-26.49	37.12	42.59	-66.29
		711	726.40	-2.29	-18.29	-4.26	-16.32	5.26	257.47	-23.77	165.05	68.64	-132.10
		698	1060.55	-6.54	-19.66	-9.86	-16.33	5.70	427.51	80.52	135.96	372.07	-127.14
		722	955.30	1.90	-13.51	-10.22	-1.39	6.31	356.80	-2.75	8.03	346.01	-61.33
462	5	736	346.19	4.21	-7.90	-2.41	-1.29	6.03	111.41	-27.21	38.90	45.31	-69.24
		711	757.94	-1.36	-16.18	-3.06	-14.49	4.72	269.19	-24.65	174.16	70.39	-137.45
		698	1097.33	-7.00	-17.96	-10.48	-14.47	5.10	443.22	83.93	144.13	383.02	-134.18
		722	991.47	1.30	-13.59	-11.00	-1.30	5.65	369.99	-3.18	8.87	357.94	-65.96
462	6	736	345.48	5.19	-8.30	-2.56	-0.56	6.67	111.04	-27.02	38.60	45.42	-68.94
		711	753.35	-1.71	-19.05	-3.29	-17.47	4.98	267.61	-24.27	174.23	69.10	-136.15
		698	1092.51	-8.27	-20.73	-11.53	-17.47	5.48	440.95	84.56	145.31	380.20	-134.01
		722	988.65	2.12	-14.77	-12.09	-0.56	6.17	368.94	-2.74	9.68	356.51	-66.81
462	7	736	333.98	5.15	-8.10	-2.47	-0.48	6.55	107.30	-26.12	37.30	43.87	-66.63
		711	727.18	-1.67	-18.81	-3.19	-17.29	4.88	258.48	-23.11	168.68	66.69	-131.23
		698	1057.42	-8.21	-20.46	-11.39	-17.28	5.37	427.04	82.84	141.30	368.58	-129.24
		722	958.06	2.13	-14.56	-11.95	-0.48	6.06	357.78	-2.08	9.92	345.77	-64.63
462	8	736	257.93	3.36	-3.66	-0.19	-0.11	3.51	83.22	-20.71	28.48	34.03	-51.89
		711	555.75	-0.10	-10.20	-0.81	-9.48	2.59	197.41	-18.88	127.68	50.85	-101.09
		698	820.79	-5.82	-11.69	-8.06	-9.45	2.85	332.17	63.16	107.67	287.65	-99.96
		722	750.21	0.97	-9.69	-8.59	-0.14	3.25	280.32	-1.00	8.48	270.84	-50.76
462	9	736	244.12	4.00	-5.29	-1.24	-0.06	4.61	78.61	-18.98	27.29	32.34	-48.73
		711	530.00	-0.88	-13.58	-1.85	-12.62	3.36	188.60	-16.72	123.55	48.33	-95.52
		698	772.04	-6.53	-14.89	-8.82	-12.61	3.73	312.04	61.04	104.11	268.97	-94.63
		722	701.44	1.59	-10.96	-9.30	-0.07	4.25	261.99	-1.16	7.85	252.98	-47.84
462	10	736	240.40	3.07	-3.82	-0.45	-0.30	3.45	77.65	-19.04	26.85	31.76	-48.28
		711	521.17	-0.24	-9.76	-1.01	-8.99	2.60	185.56	-16.80	120.91	47.85	-94.35
		698	764.98	-5.31	-11.17	-7.51	-8.96	2.84	310.02	60.38	102.08	268.32	-93.12
		722	698.00	0.84	-9.14	-7.98	-0.32	3.20	260.98	-0.73	8.02	252.23	-47.05
462	11	736	245.18	3.56	-5.70	-1.68	-0.46	4.59	78.91	-19.11	27.52	32.28	-48.95
		711	535.42	-1.10	-12.99	-2.20	-11.89	3.45	190.47	-16.85	124.42	49.19	-96.59
		698	776.24	-5.76	-14.22	-8.09	-11.89	3.79	313.73	60.98	104.08	270.64	-95.05
		722	703.02	1.37	-10.33	-8.50	-0.47	4.26	262.52	-1.62	7.18	253.72	-47.40
463	1	698	1306.63	34.48	-217.44	-80.47	-102.48	125.48	364.90	-122.30	-30.95	273.55	-190.16
		158	2823.09	8.86	-273.27	-74.41	-190.00	128.68	319.97	-818.90	-743.73	244.80	-282.76
		469	2528.01	105.97	-248.05	48.38	-190.46	130.66	-52.47	-919.43	-860.12	-111.78	-218.86
		713	817.89	122.88	-169.84	55.06	-102.02	123.50	15.10	-245.48	-147.35	-83.03	-126.26
463	2	698	1294.96	28.85	-197.62	-76.78	-91.99	112.98	365.91	-123.21	-34.71	277.41	-188.30
		158	2849.24	2.54	-254.77	-70.95	-181.28	116.23	321.50	-831.80	-757.49	247.20	-283.15
		469	2554.55	97.49	-231.80	47.40	-181.71	118.26	-58.68	-936.11	-877.32	-117.47	-219.39
		713	804.93	113.79	-151.50	53.85	-91.56	110.95	8.10	-249.90	-154.53	-87.27	-124.54
463	3	698	1282.79	24.13	-191.94	-77.71	-90.10	107.86	366.70	-118.94	-33.72	281.48	-184.73
		158	2861.75	-3.24	-252.45	-71.75	-183.94	111.26	322.56	-836.90	-763.23	248.89	-282.82
		469	2578.20	95.48	-230.32	49.52	-184.37	113.41	-61.05	-946.40	-887.57	-119.89	-220.52
		713	796.14	111.65	-145.18	56.14	-89.67	105.71	4.76	-250.12	-158.06	-87.30	-122.43
463	4	698	1264.44	25.64	-205.44	-83.86	-95.94	115.38	361.63	-111.97	-29.97	279.63	-179.19

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		158	2840.31	-0.72	-260.40	-77.68	-183.43	118.59	325.26	-826.13	-753.87	252.99	-279.25
		469	2550.91	98.65	-235.35	47.21	-183.91	120.56	-59.96	-935.09	-880.74	-114.31	-211.21
		713	757.07	115.09	-156.55	54.00	-95.46	113.41	-5.86	-238.66	-156.85	-87.67	-111.15
463	5	698	1295.89	26.37	-200.79	-82.32	-92.10	113.48	371.54	-115.82	-26.67	282.39	-188.41
		158	2876.37	0.83	-252.31	-76.33	-175.14	116.53	330.32	-837.56	-760.97	253.73	-289.11
		469	2579.93	96.14	-227.19	44.56	-175.61	118.39	-61.84	-948.38	-888.84	-121.38	-221.90
		713	790.54	112.23	-152.74	51.13	-91.64	111.61	1.45	-248.71	-154.55	-92.71	-121.20
463	6	698	1301.83	30.90	-214.76	-84.35	-99.51	122.60	366.87	-119.37	-28.09	275.59	-189.87
		158	2846.43	4.66	-269.27	-78.12	-186.49	125.79	322.79	-827.92	-751.68	246.56	-286.21
		469	2555.14	103.84	-243.09	47.72	-186.97	127.74	-56.81	-932.86	-873.02	-116.65	-221.01
		713	809.80	120.78	-165.24	54.56	-99.02	120.64	9.93	-246.98	-149.43	-87.62	-124.68
463	7	698	1264.54	30.74	-209.84	-81.25	-97.85	120.01	356.04	-115.76	-28.01	268.29	-183.58
		158	2762.56	5.60	-262.68	-75.23	-181.86	123.09	313.81	-802.66	-729.10	240.25	-276.98
		469	2478.86	101.52	-237.35	46.49	-182.33	124.98	-54.86	-904.58	-846.92	-112.53	-213.71
		713	785.30	117.91	-162.19	53.11	-97.38	118.12	9.01	-239.32	-145.83	-84.48	-120.31
463	8	698	984.33	18.58	-147.62	-59.53	-69.52	82.95	280.49	-92.43	-27.33	215.39	-141.56
		158	2197.35	-2.57	-194.81	-54.94	-142.43	85.59	246.33	-643.41	-587.19	190.11	-216.47
		469	1981.20	73.55	-177.96	38.35	-142.76	87.26	-46.51	-726.88	-681.94	-91.44	-168.98
		713	612.84	86.01	-111.76	43.44	-69.19	81.28	4.01	-192.25	-122.08	-66.16	-94.06
463	9	698	925.93	23.33	-151.76	-57.24	-71.19	87.26	260.47	-85.18	-20.58	195.87	-134.74
		158	2009.11	5.12	-190.96	-52.94	-132.90	89.52	229.02	-582.61	-528.98	175.39	-201.62
		469	1799.10	73.96	-173.12	34.06	-133.23	90.91	-38.66	-655.70	-613.38	-80.99	-155.96
		713	576.49	85.85	-117.91	38.80	-70.86	85.87	9.07	-174.55	-104.98	-60.50	-89.08
463	10	698	912.66	17.59	-137.60	-55.71	-64.31	77.47	261.46	-83.30	-22.12	200.27	-131.72
		158	2030.55	-1.62	-179.37	-51.47	-129.53	79.84	230.45	-592.61	-539.82	177.66	-201.65
		469	1826.98	68.11	-163.26	34.70	-129.84	81.33	-43.43	-670.69	-628.63	-85.49	-156.88
		713	564.41	79.61	-104.21	39.40	-64.00	75.99	3.31	-177.11	-110.93	-62.88	-86.95
463	11	698	923.27	21.35	-150.28	-59.40	-69.53	85.66	261.56	-83.55	-18.99	197.00	-134.58
		158	2022.08	2.79	-188.74	-55.00	-130.95	87.92	230.59	-587.62	-533.40	176.36	-203.54
		469	1814.18	72.77	-170.36	33.70	-131.29	89.30	-41.07	-663.17	-620.55	-83.69	-157.15
		713	572.05	84.68	-115.36	38.52	-69.19	84.28	6.20	-175.39	-106.13	-63.06	-88.20
464	1	722	902.49	-0.24	-77.05	-29.46	-47.83	37.30	352.03	60.39	64.46	347.95	-34.24
		698	943.97	-20.60	-132.67	-32.60	-120.67	34.66	354.14	75.14	97.78	331.50	-76.18
		713	528.88	32.24	-126.80	25.43	-119.98	32.21	75.31	-140.96	-10.10	-55.54	-105.72
		738	359.01	40.71	-66.22	23.00	-48.52	39.74	22.57	-105.08	-43.42	-39.09	-63.79
464	2	722	900.88	0.53	-67.15	-27.13	-39.49	33.27	353.65	60.14	63.94	349.86	-33.17
		698	940.03	-19.32	-118.77	-29.99	-108.10	30.78	356.41	76.36	98.06	334.72	-74.87
		713	513.29	28.55	-113.42	22.59	-107.46	28.48	70.98	-140.42	-10.26	-59.18	-102.83
		738	343.90	36.84	-56.57	20.40	-40.13	35.57	16.92	-105.34	-44.38	-44.04	-61.13
464	3	722	896.81	1.78	-59.94	-24.84	-33.32	30.57	353.34	58.97	62.51	349.79	-32.10
		698	937.90	-18.46	-114.02	-27.48	-105.00	27.94	356.76	76.62	97.08	336.29	-72.90
		713	491.38	25.08	-109.43	20.03	-104.38	25.56	67.50	-135.87	-9.98	-58.39	-98.76
		738	327.64	34.07	-49.91	18.10	-33.94	32.95	13.24	-102.69	-44.56	-44.89	-57.96
464	4	722	875.91	0.42	-68.06	-24.77	-42.87	33.02	341.68	55.32	58.27	338.73	-28.92
		698	912.90	-17.57	-121.73	-27.43	-111.86	30.50	344.11	73.07	90.31	326.86	-66.16
		713	450.21	26.67	-117.02	20.90	-111.25	28.20	58.24	-126.53	-10.26	-58.03	-89.24
		738	302.91	34.85	-59.41	18.92	-43.48	35.32	7.82	-96.28	-42.30	-46.16	-52.01
464	5	722	900.89	0.25	-67.39	-25.14	-42.01	32.75	352.44	58.73	62.48	348.69	-32.97
		698	934.98	-17.59	-118.05	-27.80	-107.84	30.36	354.00	74.78	95.32	333.46	-72.89
		713	503.65	26.68	-113.16	20.76	-107.24	28.15	67.82	-139.78	-10.46	-61.51	-100.61
		738	340.74	34.58	-58.44	18.75	-42.60	34.96	15.93	-105.50	-43.29	-46.28	-60.70
464	6	722	898.78	0.10	-73.16	-27.43	-45.64	35.48	351.04	59.93	63.90	347.07	-33.73
		698	937.92	-19.26	-127.88	-30.35	-116.79	32.89	352.61	74.26	96.16	330.71	-74.94
		713	520.82	29.61	-122.52	23.22	-116.14	30.51	71.95	-141.76	-10.96	-58.85	-104.14
		738	353.10	38.01	-63.30	21.00	-46.29	37.87	20.08	-105.79	-43.22	-42.49	-62.94
464	7	722	873.95	0.08	-71.92	-27.03	-44.81	34.89	341.32	58.43	62.14	337.61	-32.19
		698	913.27	-19.00	-125.78	-29.91	-114.87	32.34	343.39	73.34	94.37	322.37	-72.36
		713	501.06	29.25	-120.49	22.98	-114.22	29.99	69.25	-136.29	-9.97	-57.07	-100.04
		738	338.23	37.50	-62.17	20.79	-45.46	37.24	17.86	-101.88	-42.20	-41.83	-59.87
464	8	722	686.85	1.47	-45.87	-19.13	-25.27	33.47	270.58	44.92	47.66	267.84	-24.71
		698	719.03	-14.28	-87.87	-21.17	-80.98	21.43	273.13	57.91	73.59	257.46	-55.93
		713	376.39	19.26	-84.35	15.41	-80.50	19.58	51.67	-103.91	-8.31	-43.93	-75.72
		738	251.40	26.26	-38.08	13.93	-25.75	25.33	10.61	-78.40	-34.25	-33.54	-44.50
464	9	722	641.89	-0.07	-53.17	-20.34	-32.90	25.79	250.77	43.12	45.93	247.96	-23.98
		698	670.58	-14.25	-92.00	-22.51	-83.75	23.95	252.46	54.49	70.33	236.62	-53.72
		713	372.11	22.12	-87.97	17.43	-83.27	22.24	52.67	-100.01	-6.48	-40.86	-74.38
		738	251.32	28.07	-45.69	15.76	-33.38	27.50	14.43	-74.84	-30.89	-29.52	-44.63
464	10	722	638.76	1.03	-43.64	-17.77	-24.84	22.06	251.49	42.33	44.84	248.98	-22.78
		698	667.22	-13.06	-81.64	-19.66	-75.04	20.22	253.92	55.30	69.95	239.28	-51.90
		713	351.45	18.14	-78.31	14.43	-74.60	18.55	48.35	-97.20	-6.42	-42.44	-70.51
		738	234.12	24.38	-36.62	13.04	-25.28	23.73	9.27	-73.53	-31.52	-32.73	-41.39
464	11	722	639.84	0.11	-51.01	-19.21	-31.69	24.79	250.21	42.87	45.61	247.47	-23.69

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		698	667.23	-13.51	-89.34	-21.25	-81.59	22.97	251.62	53.99	69.43	236.18	-53.03
		713	367.73	20.66	-85.59	16.20	-81.14	21.30	50.81	-100.47	-6.96	-42.70	-73.50
		738	248.16	26.57	-44.06	14.65	-32.14	26.46	13.06	-75.25	-30.78	-31.40	-44.16
465	1	713	610.18	67.13	-204.50	44.83	-182.20	74.57	-28.13	-206.86	-150.23	-84.76	-83.16
		469	2165.77	67.33	-252.78	46.31	-231.76	79.30	-146.03	-835.34	-824.21	-157.16	-86.87
		159	2190.03	33.65	-254.92	10.90	-232.17	77.77	30.18	-765.38	-757.39	22.19	-79.33
		699	685.64	39.01	-208.01	12.78	-181.78	76.10	122.37	-111.20	-83.41	94.59	-75.62
465	2	713	585.53	62.07	-177.83	45.18	-160.94	61.37	-35.84	-206.42	-153.92	-88.35	-78.74
		469	2202.60	62.75	-226.58	46.76	-210.59	66.11	-152.04	-855.03	-844.28	-162.79	-86.27
		159	2229.27	26.81	-228.55	9.28	-211.02	64.57	21.50	-789.77	-782.08	13.82	-78.58
		699	654.00	31.84	-181.08	11.26	-160.51	62.91	112.92	-116.39	-91.72	88.26	-71.05
465	3	713	569.14	60.29	-165.03	47.15	-151.89	52.80	-38.13	-203.39	-155.24	-86.28	-75.09
		469	2235.40	61.29	-229.83	48.79	-217.33	59.02	-150.48	-866.27	-855.49	-161.27	-87.19
		159	2276.13	22.22	-231.38	8.68	-217.84	57.02	22.80	-806.56	-799.08	15.31	-78.43
		699	647.51	27.64	-168.15	10.86	-151.38	54.80	111.24	-119.78	-98.83	90.30	-66.33
465	4	713	561.48	62.95	-184.93	44.57	-166.55	64.95	-43.61	-198.57	-155.76	-86.42	-69.29
		469	2207.16	63.70	-234.10	46.35	-216.75	69.76	-148.58	-854.87	-846.74	-156.71	-75.34
		159	2228.89	23.73	-236.51	4.43	-217.21	68.19	28.17	-786.53	-781.65	23.29	-62.84
		699	627.81	29.28	-188.74	6.63	-166.09	66.52	109.68	-106.78	-90.68	93.58	-56.79
465	5	713	593.76	62.41	-188.10	41.44	-167.12	69.39	-38.80	-209.21	-155.17	-92.84	-79.30
		469	2219.05	63.35	-225.11	43.47	-205.22	73.08	-155.45	-863.36	-853.04	-165.78	-84.88
		159	2232.40	20.04	-228.53	-2.83	-205.65	71.85	22.73	-793.54	-786.67	15.86	-74.57
		699	647.63	25.46	-192.64	-0.49	-166.69	70.62	112.45	-112.45	-88.80	88.80	-68.99
465	6	713	611.48	66.38	-203.24	43.62	-180.48	74.95	-31.83	-209.53	-153.22	-88.14	-82.68
		469	2189.82	66.80	-250.31	45.38	-228.89	79.59	-148.44	-845.90	-834.72	-159.62	-87.59
		159	2213.77	27.76	-253.05	4.05	-229.34	78.07	30.84	-776.12	-768.54	23.26	-77.86
		699	680.82	33.58	-207.41	6.21	-180.03	76.46	120.39	-112.69	-87.04	94.74	-72.94
465	7	713	587.87	64.64	-198.01	42.54	-175.91	72.90	-31.83	-201.41	-148.45	-84.79	-78.59
		469	2127.85	64.98	-245.09	44.19	-224.31	77.53	-143.76	-821.58	-811.00	-154.34	-83.99
		159	2154.43	27.99	-247.61	5.11	-224.74	76.03	30.12	-754.81	-747.66	22.98	-74.54
		699	659.15	33.64	-201.96	7.17	-175.48	74.41	116.26	-108.84	-85.10	92.52	-69.13
465	8	713	438.84	46.32	-126.32	36.50	-116.51	39.98	-28.71	-156.55	-119.96	-65.30	-57.78
		469	1719.09	47.08	-178.19	37.73	-168.84	44.95	-114.59	-665.53	-657.20	-122.92	-67.25
		159	1751.40	17.61	-179.29	7.55	-169.23	43.35	17.79	-620.07	-614.26	11.98	-60.62
		699	500.36	21.74	-128.65	9.20	-116.11	41.57	85.68	-93.10	-77.02	69.60	-51.15
465	9	713	427.19	47.00	-142.07	31.64	-126.72	51.65	-21.73	-146.22	-106.46	-61.48	-58.04
		469	1542.53	47.24	-175.59	32.76	-161.10	54.93	-105.22	-596.08	-588.29	-113.01	-61.35
		159	1560.27	22.06	-177.22	6.25	-161.40	53.86	20.51	-546.99	-541.48	15.00	-55.64
		699	479.53	25.89	-144.66	7.65	-126.42	52.71	85.41	-78.54	-59.66	66.53	-52.33
465	10	713	404.41	43.15	-120.10	32.93	-109.88	39.55	-27.32	-144.26	-109.25	-62.33	-53.56
		469	1581.24	43.82	-162.77	34.14	-153.09	43.66	-107.69	-613.27	-605.66	-115.30	-61.53
		159	1608.17	15.62	-164.04	5.02	-153.44	42.34	16.41	-569.87	-564.64	11.18	-55.14
		699	458.29	19.53	-122.48	6.58	-109.53	40.88	79.23	-83.32	-68.23	64.14	-47.17
465	11	713	427.98	46.57	-141.37	30.97	-125.77	51.86	-23.78	-147.70	-108.12	-63.36	-57.78
		469	1555.90	46.94	-174.21	32.24	-159.51	55.09	-106.56	-601.95	-594.13	-114.38	-61.75
		159	1573.49	18.79	-176.17	2.45	-159.83	54.03	20.88	-552.96	-547.67	15.59	-54.82
		699	476.90	22.87	-144.33	4.00	-125.45	52.91	84.32	-79.38	-61.67	66.61	-50.85
466	1	738	673.52	17.57	-156.96	16.67	-156.06	12.53	64.13	-201.17	-33.07	-103.97	-127.82
		713	633.25	16.38	-198.18	16.10	-197.90	7.85	54.14	-184.77	-33.95	-96.68	-115.26
		699	815.59	9.64	-198.52	9.23	-198.10	9.28	252.56	-22.35	24.08	206.13	-103.00
		723	816.19	9.90	-156.59	9.16	-155.85	11.10	256.51	-32.72	24.96	198.84	-115.56
466	2	738	672.75	15.94	-137.74	15.10	-136.89	11.36	59.70	-204.98	-33.78	-111.50	-126.51
		713	627.19	14.85	-174.83	14.58	-174.57	7.15	48.24	-187.98	-35.23	-104.52	-112.91
		699	790.15	8.85	-175.14	8.46	-174.75	8.44	249.14	-20.12	25.32	203.70	-100.84
		723	796.71	9.09	-137.40	8.40	-136.70	10.07	254.28	-30.79	26.77	196.72	-114.44
466	3	738	660.21	14.94	-123.42	14.15	-122.62	10.44	56.73	-203.39	-33.91	-112.75	-123.94
		713	615.04	13.86	-164.64	13.67	-164.46	5.76	44.91	-186.04	-35.72	-105.40	-110.09
		699	783.01	8.96	-164.98	8.66	-164.68	7.20	250.17	-16.47	25.84	207.86	-97.42
		723	785.83	9.30	-123.02	8.69	-122.40	9.00	254.98	-26.82	27.64	200.51	-111.27
466	4	738	634.07	14.41	-144.86	13.38	-143.83	12.80	48.99	-195.51	-33.31	-113.21	-115.54
		713	588.44	13.38	-181.07	12.99	-180.68	8.68	38.93	-177.56	-35.21	-103.43	-102.73
		699	757.55	9.81	-181.40	9.29	-180.88	9.95	238.01	-11.72	23.38	202.92	-86.79
		723	750.67	10.22	-144.49	9.35	-143.63	11.54	239.45	-21.04	25.28	193.14	-99.60
466	5	738	673.60	14.45	-141.89	13.28	-140.72	13.47	57.75	-206.43	-33.60	-115.09	-125.65
		713	631.70	13.27	-181.65	12.86	-181.24	8.93	47.42	-189.75	-35.73	-106.60	-113.17
		699	787.87	9.37	-182.01	8.81	-181.45	10.33	245.38	-21.59	22.40	201.39	-99.04
		723	785.47	9.84	-141.47	8.88	-140.50	12.07	248.44	-31.01	24.53	192.90	-111.52
466	6	738	672.74	16.37	-149.22	15.33	-148.18	13.03	61.57	-203.31	-33.57	-108.16	-127.08
		713	634.98	15.09	-196.14	14.81	-195.86	7.70	52.29	-186.52	-34.79	-99.45	-114.94
		699	809.05	9.92	-196.54	9.50	-196.12	9.34	250.31	-21.98	22.54	205.79	-100.70
		723	801.72	10.36	-148.75	9.54	-147.93	11.40	252.69	-31.85	23.75	197.08	-112.83
466	7	738	651.33	16.13	-147.36	15.14	-146.37	12.69	58.63	-196.94	-32.60	-105.71	-122.44

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		713	613.14	14.91	-191.27	14.62	-190.98	7.70	49.63	-180.15	-33.30	-97.22	-110.36
		699	784.08	9.51	-191.64	9.08	-191.21	9.23	243.39	-19.05	23.26	201.08	-96.51
		723	778.46	9.90	-146.94	9.10	-146.14	11.16	245.76	-29.21	23.96	192.59	-108.60
466	8	738	504.36	11.56	-94.25	10.97	-93.66	7.89	43.76	-155.19	-26.10	-85.32	-94.96
		713	469.61	10.73	-126.28	10.60	-126.15	4.26	34.26	-142.13	-28.02	-79.85	-84.31
		699	601.93	6.89	-126.54	6.67	-126.32	5.37	192.09	-13.15	19.13	159.81	-74.72
		723	603.75	7.15	-93.94	6.69	-93.48	6.78	196.01	-20.62	21.05	154.34	-85.38
466	9	738	479.51	12.08	-108.70	11.43	-108.04	8.88	44.38	-144.14	-23.52	-76.24	-90.50
		713	450.60	11.25	-137.80	11.04	-137.59	5.58	37.62	-132.06	-23.65	-70.79	-81.50
		699	574.83	6.79	-138.04	6.49	-137.74	6.59	178.96	-14.63	18.00	146.33	-72.48
		723	575.43	6.99	-108.43	6.45	-107.89	7.87	181.51	-22.50	18.13	140.88	-81.48
466	10	738	472.15	10.62	-90.06	10.02	-89.47	7.72	40.29	-145.40	-23.99	-81.12	-88.34
		713	440.52	9.84	-119.16	9.69	-119.01	4.42	32.52	-132.80	-24.64	-75.64	-78.63
		699	556.74	6.41	-119.40	6.17	-119.17	5.43	177.63	-11.36	18.97	147.29	-69.38
		723	558.56	6.66	-89.78	6.19	-89.31	6.71	180.66	-19.22	19.62	141.81	-79.09
466	11	738	479.11	11.41	-104.40	10.68	-103.67	9.16	42.97	-145.34	-23.80	-78.57	-90.09
		713	451.58	10.53	-136.66	10.32	-136.46	5.49	36.60	-133.04	-24.12	-72.33	-81.32
		699	571.18	6.94	-136.94	6.63	-136.63	6.62	177.71	-14.42	17.14	146.14	-71.20
		723	567.38	7.25	-104.08	6.67	-103.49	8.04	179.39	-22.02	17.46	139.91	-79.96
467	1	699	985.80	11.16	-211.21	5.30	-205.35	35.62	233.64	-136.60	-68.31	165.34	-143.60
		159	2345.44	12.31	-313.96	7.48	-309.12	39.43	143.67	-745.52	-699.78	97.93	-196.41
		474	2180.36	58.53	-313.87	53.67	-309.01	42.26	-72.47	-802.90	-751.67	-123.69	-186.53
		714	744.00	60.74	-209.49	56.70	-205.45	32.79	49.24	-225.73	-120.20	-56.28	-133.72
467	2	699	957.84	8.62	-179.83	5.26	-176.48	24.92	230.73	-136.84	-71.09	164.98	-140.87
		159	2383.68	10.30	-268.54	7.42	-265.66	28.20	138.18	-772.41	-727.21	92.98	-197.79
		474	2227.28	54.99	-268.53	52.06	-265.60	30.62	-91.18	-836.39	-784.64	-142.92	-189.43
		714	727.34	57.11	-178.70	54.95	-176.54	22.50	35.89	-235.33	-128.52	-70.92	-132.52
467	3	699	947.44	7.51	-163.55	6.40	-162.44	13.74	235.78	-131.78	-71.30	175.30	-136.28
		159	2440.78	9.57	-259.16	8.46	-258.05	17.25	144.56	-792.61	-748.00	99.94	-199.55
		474	2287.33	53.22	-259.23	51.95	-257.96	19.86	-101.20	-866.13	-814.60	-152.73	-191.73
		714	707.73	55.36	-163.10	54.79	-162.53	11.14	24.34	-239.61	-137.90	-77.37	-128.46
467	4	699	920.62	4.56	-188.83	0.41	-184.69	28.00	224.81	-121.37	-68.96	172.40	-124.08
		159	2372.56	6.05	-268.36	2.51	-264.82	30.97	142.93	-765.36	-726.46	104.03	-183.90
		474	2207.95	48.83	-268.28	45.33	-264.78	33.13	-92.17	-829.99	-787.79	-134.37	-171.34
		714	650.91	50.91	-187.55	48.08	-184.72	25.84	17.91	-214.20	-130.29	-65.99	-111.52
467	5	699	962.45	2.15	-199.82	-7.25	-190.42	42.54	226.86	-135.52	-71.38	162.72	-138.32
		159	2386.88	2.63	-281.22	-4.91	-273.68	45.63	138.73	-771.77	-727.98	94.93	-194.83
		474	2225.16	49.54	-280.76	42.45	-273.67	47.87	-86.08	-831.17	-783.69	-133.57	-182.01
		714	716.13	52.16	-197.13	45.47	-190.43	40.30	32.75	-225.61	-127.08	-65.78	-125.49
467	6	699	983.62	7.02	-212.51	-0.92	-204.57	40.97	230.77	-137.69	-71.86	164.94	-141.14
		159	2370.83	7.49	-318.26	1.18	-311.95	44.90	144.71	-754.48	-709.88	100.11	-195.24
		474	2199.92	52.62	-318.09	46.34	-311.81	47.84	-73.54	-810.81	-762.89	-121.45	-181.74
		714	728.06	54.89	-210.28	49.32	-204.70	38.03	41.39	-222.87	-124.87	-56.62	-127.65
467	7	699	955.88	7.60	-207.38	0.23	-200.02	39.10	225.58	-131.76	-69.04	162.86	-135.94
		159	2309.29	8.21	-307.62	2.29	-301.70	42.82	141.91	-734.44	-691.49	98.96	-189.20
		474	2143.43	52.15	-307.46	46.27	-301.59	45.60	-72.72	-790.66	-744.17	-119.22	-176.68
		714	705.28	54.35	-205.32	49.16	-200.14	36.32	39.29	-216.33	-121.72	-55.31	-123.42
467	8	699	727.68	6.50	-124.50	5.89	-123.89	8.89	181.22	-101.65	-55.54	135.12	-104.48
		159	1877.10	8.10	-199.40	7.45	-198.75	11.64	111.11	-609.61	-575.40	76.90	-153.26
		474	1759.74	41.26	-199.45	40.48	-198.67	13.68	-77.93	-666.53	-626.85	-117.62	-147.59
		714	544.03	42.93	-124.25	42.65	-123.97	6.85	18.44	-184.83	-106.99	-59.39	-98.81
467	9	699	696.26	6.81	-147.23	2.50	-142.91	25.41	165.78	-96.01	-48.10	117.87	-101.23
		159	1672.51	7.60	-217.87	4.06	-214.33	28.04	102.10	-533.08	-500.76	69.79	-139.57
		474	1555.35	40.47	-217.79	36.95	-214.26	29.98	-53.93	-574.78	-538.73	-89.98	-132.20
		714	523.01	42.07	-145.96	39.09	-142.98	23.47	32.44	-160.40	-86.06	-41.90	-93.86
467	10	699	674.84	4.53	-120.50	3.11	-119.08	13.26	166.96	-93.32	-49.76	123.40	-97.16
		159	1725.45	5.89	-187.25	4.61	-185.96	15.72	102.60	-559.25	-527.55	70.90	-141.32
		474	1614.81	37.37	-187.28	35.99	-185.90	17.54	-69.89	-609.92	-573.70	-106.11	-135.09
		714	502.85	38.86	-119.96	38.03	-119.13	11.44	18.60	-168.12	-95.90	-53.61	-90.93
467	11	699	695.05	4.53	-147.97	-0.95	-142.48	28.39	164.20	-96.61	-50.07	117.65	-99.87
		159	1686.62	4.94	-220.27	0.56	-215.90	31.08	102.69	-538.06	-506.38	71.00	-138.92
		474	1566.22	37.20	-220.15	32.87	-215.82	33.08	-54.52	-579.18	-544.97	-88.73	-129.54
		714	514.15	38.83	-146.40	34.99	-142.56	26.38	28.06	-158.80	-88.66	-42.09	-90.48
468	1	723	815.70	8.28	-209.79	7.21	-208.72	-15.26	259.04	-0.89	15.90	242.25	-63.89
		699	833.40	8.63	-210.29	7.55	-209.22	-15.31	281.14	23.60	53.68	251.06	-82.72
		714	479.84	1.88	-210.37	0.77	-209.26	-15.30	47.51	-118.28	-9.54	-61.23	-78.76
		739	409.57	2.23	-209.78	1.13	-208.68	-15.27	2.32	-119.68	-47.33	-70.03	-59.93
468	2	723	792.67	8.59	-184.38	7.43	-183.23	-14.91	257.25	1.54	17.26	241.53	-61.42
		699	808.00	8.99	-180.26	7.83	-179.10	-14.76	279.46	26.96	56.16	250.26	-80.75
		714	484.34	1.79	-180.35	0.61	-179.17	-14.60	41.44	-126.29	-9.39	-75.46	-77.08
		739	415.83	2.19	-184.38	0.96	-183.15	-15.08	-5.75	-126.72	-48.28	-84.20	-57.76
468	3	723	787.21	9.22	-163.46	7.79	-162.03	-15.65	260.75	3.89	17.44	247.20	-57.42

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		699	804.51	9.68	-164.58	8.25	-163.15	-15.73	283.10	32.00	57.91	257.18	-76.40
		714	467.55	0.66	-164.71	-0.86	-163.20	-15.74	35.42	-124.42	-8.47	-80.52	-71.34
		739	401.27	1.12	-163.47	-0.38	-161.97	-15.64	-13.39	-126.06	-48.94	-90.51	-52.36
468	4	723	771.70	9.08	-198.98	8.14	-198.05	-13.93	245.54	5.00	14.67	235.87	-47.26
		699	775.45	9.56	-188.49	8.63	-187.56	-13.52	265.59	34.63	53.29	246.92	-62.94
		714	414.46	1.41	-188.59	0.50	-187.68	-13.13	25.72	-104.50	-6.07	-72.70	-55.94
		739	373.05	1.89	-198.96	0.86	-197.93	-14.32	-19.47	-108.97	-44.69	-83.75	-40.26
468	5	723	786.24	6.64	-200.10	6.08	-199.54	-10.74	249.66	0.24	14.89	235.01	-58.65
		699	800.91	6.93	-195.76	6.37	-195.21	-10.57	271.18	25.26	51.62	244.81	-76.08
		714	458.23	1.85	-195.82	1.30	-195.27	-10.41	36.02	-118.00	-10.14	-71.83	-70.56
		739	401.78	2.12	-200.07	1.53	-199.48	-10.90	-8.35	-120.15	-46.87	-81.64	-53.13
468	6	723	800.03	7.21	-204.21	6.38	-203.39	-13.17	253.94	-0.74	14.73	238.47	-60.83
		699	822.46	7.53	-209.53	6.70	-208.69	-13.42	276.13	23.36	50.94	248.55	-78.80
		714	457.68	0.75	-209.59	-0.13	-208.70	-13.58	40.63	-113.99	-10.95	-62.42	-72.90
		739	393.54	1.07	-204.20	0.25	-203.37	-13.01	-3.45	-116.20	-47.15	-72.50	-54.93
468	7	723	782.37	7.01	-201.22	6.21	-200.42	-12.91	248.45	0.75	15.03	234.16	-57.75
		699	802.44	7.31	-204.91	6.50	-204.10	-13.09	270.25	25.50	51.58	244.18	-75.51
		714	443.53	1.27	-204.97	0.42	-204.12	-13.20	39.13	-109.71	-9.31	-61.26	-69.74
		739	380.96	1.56	-201.21	0.75	-200.40	-12.80	-5.06	-112.07	-45.86	-71.27	-51.98
468	8	723	604.70	7.26	-124.23	6.10	-123.06	-12.35	200.53	2.73	13.16	190.10	-44.22
		699	617.96	7.63	-125.37	6.46	-124.19	-12.42	217.46	23.93	43.75	197.64	-58.68
		714	357.87	0.47	-125.48	-0.77	-124.23	-12.44	27.01	-95.43	-7.06	-61.36	-54.88
		739	307.19	0.83	-124.25	-0.40	-123.02	-12.33	-9.94	-96.60	-37.65	-68.89	-40.42
468	9	723	575.66	5.71	-146.08	5.00	-145.37	-10.39	183.50	0.20	11.65	172.05	-44.36
		699	588.37	5.95	-146.38	5.24	-145.66	-10.42	199.51	18.37	39.23	178.64	-57.83
		714	339.00	1.25	-146.43	0.52	-145.69	-10.42	32.25	-84.15	-6.08	-45.81	-54.70
		739	289.55	1.50	-146.08	0.76	-145.34	-10.40	-0.75	-85.32	-33.67	-52.40	-41.24
468	10	723	559.87	6.21	-120.33	5.32	-119.43	-10.61	184.46	2.84	12.50	174.80	-40.76
		699	572.36	6.52	-120.97	5.62	-120.07	-10.66	200.60	23.03	41.58	182.04	-54.31
		714	332.49	0.55	-121.05	-0.39	-120.11	-10.66	25.65	-87.67	-5.49	-56.53	-50.58
		739	285.33	0.86	-120.33	-0.08	-119.39	-10.61	-9.36	-88.98	-34.56	-63.78	-37.03
468	11	723	566.97	5.11	-142.99	4.54	-142.41	-9.23	180.67	0.27	11.00	169.95	-42.66
		699	582.29	5.35	-145.95	4.76	-145.37	-9.37	196.72	18.23	37.70	177.25	-55.65
		714	326.88	0.63	-146.00	0.01	-145.38	-9.46	28.46	-81.80	-6.86	-46.47	-51.45
		739	280.90	0.86	-142.98	0.27	-142.40	-9.14	-3.91	-83.44	-33.57	-53.78	-38.46
469	1	714	439.09	65.32	-212.32	60.56	-207.56	-36.04	-41.31	-167.73	-136.97	-72.07	-54.25
		474	1873.22	67.22	-259.46	64.29	-256.53	-30.80	-129.62	-720.31	-712.37	-137.56	-68.04
		103	1879.99	-9.80	-261.55	-14.10	-257.26	-32.59	2.44	-675.72	-669.36	-3.92	-65.37
		700	513.76	-4.10	-212.62	-9.89	-206.83	-34.25	77.12	-109.51	-93.96	61.57	-51.58
469	2	714	442.22	68.23	-178.99	60.59	-171.35	-42.79	-57.28	-171.84	-142.72	-86.40	-49.88
		474	1927.61	70.18	-209.48	64.57	-203.88	-39.20	-148.87	-754.29	-746.68	-156.48	-67.45
		103	1932.97	-9.08	-212.93	-17.46	-204.55	-40.48	-13.24	-712.69	-706.41	-19.51	-65.95
		700	477.82	-2.89	-180.95	-13.16	-170.68	-41.51	64.58	-116.47	-102.46	50.57	-48.38
469	3	714	434.23	75.78	-159.24	62.35	-145.81	-54.55	-68.59	-170.80	-147.54	-91.85	-42.85
		474	1996.89	77.01	-185.47	66.58	-175.04	-51.28	-158.33	-786.83	-779.75	-165.41	-66.33
		103	2007.79	-3.99	-191.76	-20.02	-175.72	-52.47	-25.00	-751.76	-745.98	-30.78	-64.56
		700	456.64	3.64	-164.26	-15.50	-145.13	-53.36	52.90	-123.89	-113.77	42.78	-41.07
469	4	714	394.91	59.79	-186.67	55.17	-182.05	-33.43	-67.98	-156.40	-143.22	-81.17	-31.49
		474	1927.76	63.61	-191.87	59.40	-187.65	-32.55	-146.72	-754.61	-751.25	-150.08	-45.08
		103	1916.09	-18.69	-194.64	-25.11	-188.21	-33.00	-10.13	-707.16	-704.62	-12.68	-42.04
		700	455.57	-14.32	-188.00	-20.83	-181.49	-32.98	61.36	-101.71	-96.59	56.24	-28.44
469	5	714	436.23	49.01	-205.40	48.28	-204.67	-13.61	-56.36	-170.37	-145.69	-81.03	-46.95
		474	1918.27	52.32	-225.69	51.86	-225.24	-11.27	-141.32	-746.58	-741.06	-146.84	-57.54
		103	1917.78	-20.38	-226.51	-21.10	-225.80	-12.14	2.52	-694.23	-690.20	-1.51	-52.82
		700	509.50	-16.45	-204.98	-17.32	-204.11	-12.73	74.81	-105.35	-94.84	64.30	-42.23
469	6	714	445.56	53.06	-217.48	51.34	-215.77	-21.48	-46.01	-169.06	-143.36	-71.70	-50.01
		474	1892.41	55.72	-261.57	54.84	-260.69	-16.67	-127.89	-727.34	-720.95	-134.27	-61.52
		103	1899.53	-17.23	-262.74	-18.60	-261.36	-18.32	9.59	-678.15	-673.67	5.11	-55.33
		700	526.90	-12.72	-217.03	-14.67	-215.09	-19.84	78.66	-107.07	-96.08	67.67	-43.82
469	7	714	425.71	54.02	-210.46	51.88	-208.32	-23.69	-46.21	-161.91	-138.30	-69.82	-46.63
		474	1848.08	56.52	-251.41	55.32	-250.21	-19.19	-126.05	-710.94	-704.93	-132.05	-58.96
		103	1857.39	-14.87	-252.68	-16.69	-250.86	-20.74	7.54	-664.60	-660.26	3.21	-53.80
		700	509.00	-10.36	-210.16	-12.84	-207.67	-22.14	75.60	-103.79	-93.64	65.44	-41.46
469	8	714	335.43	60.43	-120.93	48.80	-109.31	-44.42	-52.68	-131.76	-113.90	-70.54	-33.07
		474	1537.67	61.18	-141.02	52.09	-131.93	-41.89	-121.76	-606.07	-600.46	-127.37	-51.80
		103	1545.82	-1.29	-146.44	-15.26	-132.47	-42.81	-21.17	-580.29	-575.67	-25.79	-50.62
		700	349.30	4.89	-125.42	-11.75	-108.77	-43.49	38.97	-97.05	-89.10	31.03	-31.89
469	9	714	307.70	44.71	-148.12	41.72	-145.14	-23.80	-32.16	-118.61	-97.87	-52.90	-36.92
		474	1337.97	46.21	-179.37	44.36	-177.52	-20.33	-94.42	-516.01	-510.76	-99.67	-46.76
		103	1343.77	-8.11	-180.75	-10.84	-178.02	-21.52	1.69	-483.79	-479.66	-2.44	-44.59
		700	362.04	-4.24	-148.28	-7.88	-144.64	-22.61	54.30	-76.74	-66.77	44.33	-34.74
469	10	714	305.37	49.94	-118.06	42.72	-110.84	-34.09	-47.31	-120.32	-103.74	-63.89	-30.58

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		474	1406.69	51.11	-137.73	45.63	-132.25	-31.70	-110.34	-552.99	-548.19	-115.14	-45.81
		103	1414.56	-5.77	-141.08	-14.13	-132.73	-32.57	-13.53	-526.06	-522.23	-17.36	-44.13
		700	329.78	-0.92	-120.44	-11.00	-110.36	-33.22	40.93	-84.81	-77.78	33.89	-28.90
469	11	714	310.82	37.92	-151.02	36.60	-149.70	-15.71	-34.77	-119.34	-101.42	-52.70	-34.56
		474	1348.63	39.82	-180.54	39.11	-179.83	-12.48	-93.43	-519.94	-515.53	-97.84	-43.14
		103	1354.66	-12.24	-181.40	-13.34	-180.30	-13.59	5.70	-485.18	-482.06	2.58	-39.01
		700	369.50	-9.02	-150.75	-10.54	-149.22	-14.60	55.23	-75.46	-67.95	47.72	-30.43
470	1	739	678.35	5.53	-188.46	1.47	-184.41	-27.75	42.45	-196.89	-39.68	-114.76	-113.63
		714	608.49	5.63	-204.84	1.35	-200.56	-29.71	37.65	-169.80	-32.64	-99.50	-98.19
		700	650.02	4.92	-204.79	0.80	-200.67	-29.10	208.12	-2.31	29.56	176.25	-75.44
		724	652.22	5.14	-188.54	0.90	-184.29	-28.35	206.01	-22.49	22.52	160.99	-90.88
470	2	739	694.06	5.49	-161.02	1.13	-156.66	-26.59	36.85	-208.97	-40.02	-132.10	-113.96
		714	617.93	5.48	-167.51	1.04	-163.07	-27.36	30.58	-182.09	-34.01	-117.51	-97.80
		700	614.46	4.51	-167.50	0.12	-163.11	-27.13	203.13	-2.46	30.78	169.89	-75.70
		724	627.47	4.58	-161.08	0.12	-156.62	-26.83	202.72	-22.65	24.77	155.30	-91.86
470	3	739	690.22	5.43	-138.99	0.72	-134.28	-25.64	30.73	-213.77	-40.12	-142.93	-110.92
		714	609.17	5.38	-140.50	0.66	-135.78	-25.81	22.70	-186.92	-35.23	-128.99	-93.75
		700	583.91	4.46	-140.52	-0.28	-135.79	-25.76	198.50	0.92	32.31	167.11	-72.23
		724	603.09	4.44	-139.04	-0.32	-134.28	-25.69	199.59	-18.99	27.43	153.17	-89.40
470	4	739	640.45	1.33	-193.08	-1.42	-190.33	-22.94	21.87	-191.28	-37.12	-132.29	-95.36
		714	555.36	1.21	-177.56	-1.31	-175.04	-21.08	16.20	-164.49	-30.96	-117.32	-79.36
		700	576.71	1.64	-177.59	-1.01	-174.93	-21.65	188.72	12.49	33.23	167.98	-56.78
		724	590.62	1.49	-193.05	-1.12	-190.44	-22.36	186.28	-6.20	27.07	153.01	-72.78
470	5	739	670.92	1.44	-199.64	-0.57	-197.64	-19.97	32.83	-198.71	-39.81	-126.07	-107.44
		714	593.59	1.55	-203.24	-0.51	-201.18	-20.41	28.17	-170.87	-33.26	-109.44	-91.94
		700	637.07	2.95	-203.23	0.94	-201.22	-20.27	202.53	3.93	30.09	176.37	-67.17
		724	639.41	3.06	-199.61	1.05	-197.60	-20.11	198.74	-15.46	23.54	159.73	-82.66
470	6	739	657.12	2.99	-193.62	0.39	-191.02	-22.47	36.36	-192.86	-40.36	-116.13	-108.17
		714	586.60	3.22	-214.09	0.32	-211.19	-24.93	32.03	-164.38	-33.28	-99.07	-92.53
		700	648.20	3.90	-214.05	1.19	-211.34	-24.16	204.83	3.71	29.50	179.04	-67.24
		724	640.29	4.17	-193.64	1.40	-190.87	-23.23	200.54	-16.14	22.42	161.98	-82.88
470	7	739	640.95	3.27	-191.28	0.56	-188.57	-22.80	34.44	-187.75	-38.83	-114.48	-104.46
		714	570.37	3.42	-206.38	0.49	-203.45	-24.62	30.18	-160.04	-31.54	-98.32	-89.05
		700	629.01	3.67	-206.36	0.87	-203.56	-24.06	200.06	5.38	30.34	175.09	-65.09
		724	625.40	3.85	-191.29	1.01	-188.45	-23.37	196.33	-14.35	23.05	158.93	-80.50
470	8	739	529.52	4.47	-104.19	0.62	-100.34	-20.09	23.75	-164.18	-30.85	-109.58	-85.32
		714	466.97	4.42	-105.05	0.57	-101.19	-20.19	16.94	-143.93	-27.79	-99.20	-72.08
		700	445.05	3.60	-105.07	-0.28	-101.19	-20.16	151.44	-0.54	23.96	126.95	-55.88
		724	460.81	3.57	-104.23	-0.32	-100.34	-20.12	152.80	-15.34	20.89	116.57	-69.13
470	9	739	481.76	3.51	-132.76	0.86	-130.11	-18.82	28.40	-140.94	-28.17	-84.36	-79.87
		714	431.29	3.58	-143.26	0.78	-140.46	-20.08	25.39	-121.22	-22.61	-73.22	-68.80
		700	458.99	3.24	-143.23	0.55	-140.54	-19.69	147.80	0.48	22.25	126.02	-52.29
		724	460.72	3.38	-132.80	0.62	-130.03	-19.21	145.95	-14.37	16.69	114.88	-63.36
470	10	739	488.61	3.39	-105.21	0.44	-102.26	-17.65	21.94	-150.37	-28.41	-100.01	-78.37
		714	431.93	3.38	-107.45	0.40	-104.48	-17.92	17.16	-130.81	-24.05	-89.61	-66.33
		700	422.11	2.91	-107.45	-0.05	-104.49	-17.83	142.44	2.29	23.78	120.95	-50.50
		724	433.17	2.93	-105.23	-0.06	-102.25	-17.73	142.36	-12.40	19.42	110.54	-62.54
470	11	739	470.15	2.11	-135.64	0.26	-133.78	-15.89	25.04	-138.72	-28.55	-85.13	-76.84
		714	419.32	2.25	-148.41	0.21	-146.37	-17.42	22.28	-118.23	-22.96	-72.99	-65.65
		700	458.04	2.69	-148.39	0.76	-146.46	-16.94	145.98	3.81	22.22	127.58	-47.73
		724	454.13	2.86	-135.65	0.90	-133.68	-16.36	142.92	-10.85	16.63	115.43	-58.92
471	1	700	746.36	3.94	-176.12	-4.08	-168.10	-37.13	195.30	-101.33	-52.62	146.59	-109.89
		103	2042.37	3.62	-212.47	-2.40	-206.45	-35.56	118.04	-677.42	-637.61	78.23	-173.43
		482	1929.25	32.63	-211.48	27.66	-206.51	-34.48	-104.47	-753.16	-705.36	-152.28	-169.49
		715	622.02	36.84	-175.18	29.71	-168.05	-38.22	5.35	-209.64	-120.37	-83.92	-105.94
471	2	700	719.70	3.66	-141.56	-7.90	-130.00	-39.32	190.27	-105.67	-56.99	141.58	-109.71
		103	2099.91	3.41	-161.60	-6.05	-152.14	-38.35	107.86	-714.99	-674.83	67.71	-177.27
		482	2004.80	33.06	-159.98	25.36	-152.28	-37.77	-125.38	-796.05	-746.87	-174.56	-174.82
		715	640.12	36.97	-139.40	27.43	-129.86	-39.89	-6.66	-223.05	-129.02	-100.69	-107.27
471	3	700	689.53	12.39	-119.45	-9.24	-97.82	-48.82	187.72	-104.27	-59.84	143.29	-104.87
		103	2177.22	13.58	-120.28	-7.38	-99.32	-48.64	101.37	-757.30	-717.95	62.01	-179.57
		482	2100.55	39.47	-116.61	22.41	-99.55	-48.70	-151.77	-848.80	-799.05	-201.53	-179.45
		715	656.66	41.40	-114.70	24.29	-97.59	-48.76	-25.32	-235.87	-140.94	-120.24	-104.76
471	4	700	680.12	-12.97	-152.38	-17.47	-147.88	-24.64	181.61	-83.78	-50.48	148.31	-87.92
		103	2051.58	-8.47	-115.14	-15.24	-108.37	-26.01	103.72	-704.71	-673.20	72.21	-156.47
		482	1960.96	22.44	-114.50	16.75	-108.81	-27.34	-136.22	-786.41	-746.70	-175.93	-155.71
		715	550.08	21.80	-150.65	18.59	-147.44	-23.30	-23.92	-199.90	-123.97	-99.84	-87.16
471	5	700	755.69	-14.44	-182.86	-14.95	-182.36	-9.24	191.67	-96.56	-54.88	149.99	-101.37
		103	2069.47	-12.28	-184.74	-12.75	-184.26	-9.03	115.55	-690.08	-655.13	80.60	-164.12
		482	1952.87	22.69	-184.93	22.29	-184.53	-9.09	-109.31	-762.17	-720.55	-150.93	-159.51
		715	560.04	24.91	-182.50	24.50	-182.09	-9.18	-2.24	-199.60	-120.29	-81.55	-96.76
471	6	700	757.60	-7.53	-187.95	-9.63	-185.85	-19.32	192.14	-98.69	-56.56	150.01	-102.37

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		103	2047.20	-6.27	-215.05	-7.86	-213.46	-18.15	119.08	-675.23	-640.33	84.18	-162.80
		482	1917.33	23.91	-214.84	22.64	-213.57	-17.41	-101.91	-744.17	-703.39	-142.69	-156.62
		715	564.51	26.57	-187.64	24.67	-185.75	-20.07	0.30	-196.78	-119.62	-76.86	-96.19
471	7	700	734.62	-5.06	-180.56	-8.08	-177.54	-22.81	189.00	-93.87	-53.30	148.43	-99.15
		103	2004.54	-3.87	-202.14	-6.31	-199.70	-21.85	116.47	-662.97	-628.69	82.19	-159.82
		482	1882.88	25.78	-201.83	23.77	-199.83	-21.27	-103.19	-733.50	-692.72	-143.97	-155.06
		715	558.10	28.41	-180.07	25.76	-177.41	-23.39	-1.09	-193.96	-117.33	-77.73	-94.38
471	8	700	531.84	12.47	-89.91	-6.70	-70.73	-39.94	142.95	-81.37	-47.06	108.64	-80.75
		103	1675.64	13.48	-89.79	-5.30	-71.01	-39.84	76.10	-585.05	-554.59	45.64	-138.61
		482	1619.91	32.37	-86.56	16.98	-71.18	-39.91	-118.79	-656.12	-617.47	-157.44	-138.83
		715	510.57	33.64	-85.82	18.39	-70.56	-39.87	-20.85	-183.52	-109.93	-94.44	-80.97
471	9	700	530.20	0.76	-123.49	-4.04	-118.69	-23.94	139.17	-70.48	-36.96	105.65	-76.84
		103	1459.43	0.89	-146.18	-2.78	-142.51	-22.95	84.25	-484.59	-456.93	56.59	-122.34
		482	1378.25	22.23	-145.58	19.21	-142.57	-22.29	-76.13	-538.73	-505.47	-109.39	-119.50
		715	434.88	24.91	-122.85	20.70	-118.63	-24.60	2.15	-147.98	-85.50	-60.34	-74.00
471	10	700	498.54	4.15	-90.70	-6.91	-79.64	-30.43	134.99	-72.14	-40.97	103.82	-74.06
		103	1534.04	4.84	-93.39	-5.55	-82.99	-30.22	75.01	-528.99	-501.56	47.58	-125.75
		482	1473.02	24.74	-91.59	16.29	-83.14	-30.19	-102.40	-591.88	-557.52	-136.75	-125.04
		715	454.22	26.44	-88.25	17.68	-79.49	-30.46	-14.92	-162.53	-96.93	-80.51	-73.35
471	11	700	536.49	-5.52	-130.16	-7.12	-128.55	-14.04	137.45	-69.05	-39.15	107.55	-72.66
		103	1462.12	-4.58	-147.64	-5.82	-146.40	-13.28	84.85	-483.39	-454.38	59.90	-116.43
		482	1371.59	17.42	-147.49	16.42	-146.49	-12.80	-74.69	-533.75	-504.38	-104.07	-112.35
		715	403.04	19.32	-129.89	17.89	-128.46	-14.52	-0.68	-140.81	-85.09	-56.41	-68.58
472	1	724	629.85	13.44	-134.35	4.70	-125.62	-34.86	213.90	6.23	16.69	203.44	-45.42
		700	664.83	13.51	-164.21	5.72	-156.42	-36.37	235.99	32.49	54.84	213.64	-63.63
		715	440.84	-7.50	-165.77	-16.91	-156.36	-37.43	25.86	-113.52	-5.24	-82.42	-58.04
		740	365.13	-5.92	-135.22	-15.46	-125.68	-33.80	-21.19	-114.82	-43.39	-92.62	-39.82
472	2	724	600.63	14.44	-105.13	5.00	-95.69	-32.24	210.83	8.58	18.75	200.66	-44.21
		700	633.87	14.47	-126.93	6.09	-118.55	-33.39	233.51	34.55	57.65	210.41	-63.73
		715	455.11	-6.27	-128.94	-16.66	-118.55	-34.16	22.41	-128.02	-6.06	-99.56	-58.92
		740	380.30	-4.39	-106.55	-15.25	-95.69	-31.48	-26.26	-128.01	-44.95	-109.31	-39.41
472	3	724	578.66	16.63	-83.13	5.78	-72.28	-31.06	209.13	12.44	20.77	200.80	-39.61
		700	604.94	16.85	-95.30	6.99	-85.44	-31.76	231.18	40.06	60.98	210.26	-59.67
		715	464.90	-3.80	-98.16	-16.45	-85.51	-32.16	16.93	-141.26	-5.78	-118.54	-55.48
		740	396.51	-1.73	-85.55	-15.06	-72.21	-30.66	-32.81	-141.18	-45.99	-128.00	-35.42
472	4	724	615.81	10.00	-164.15	5.37	-159.52	-28.01	201.18	16.46	20.04	197.60	-25.45
		700	603.73	11.25	-145.45	6.38	-140.57	-27.21	217.52	49.02	60.43	206.11	-42.32
		715	422.11	-3.95	-145.93	-9.06	-140.82	-26.45	13.96	-115.68	0.90	-102.61	-39.02
		740	384.80	-3.01	-164.57	-8.31	-159.27	-28.78	-33.19	-117.42	-39.48	-111.13	-22.16
472	5	724	653.37	8.23	-179.18	4.26	-175.21	-26.97	210.26	10.41	17.15	203.52	-36.09
		700	663.50	8.98	-180.77	5.03	-176.81	-27.10	229.99	39.55	55.81	213.73	-53.23
		715	417.91	-4.64	-181.16	-8.91	-176.90	-27.11	19.21	-105.55	-2.82	-83.52	-47.57
		740	367.24	-3.88	-179.37	-8.12	-175.13	-26.96	-27.50	-107.71	-41.48	-93.73	-30.43
472	6	724	642.68	8.62	-162.69	3.42	-157.49	-29.39	210.49	9.12	16.31	203.30	-37.37
		700	666.39	9.11	-182.71	4.17	-177.77	-30.39	230.70	37.38	54.06	214.02	-54.28
		715	409.90	-6.38	-183.37	-12.02	-177.74	-31.08	19.62	-101.88	-3.70	-78.56	-47.84
		740	349.48	-5.57	-162.94	-10.99	-157.53	-28.70	-26.27	-104.46	-41.45	-89.28	-30.93
472	7	724	630.37	9.35	-158.02	3.87	-152.54	-29.80	207.41	10.30	16.97	200.74	-35.64
		700	650.34	9.90	-174.39	4.66	-169.15	-30.63	227.15	39.08	55.20	211.03	-52.65
		715	405.41	-5.89	-175.11	-11.84	-169.15	-31.19	19.75	-101.44	-2.39	-79.30	-46.83
		740	345.58	-5.02	-158.34	-10.82	-152.54	-29.24	-26.52	-103.69	-40.62	-89.59	-29.82
472	8	724	438.49	13.72	-59.57	4.59	-50.44	-24.21	159.53	9.08	15.76	152.85	-30.99
		700	459.51	13.77	-69.03	5.55	-60.80	-24.77	176.39	29.43	45.90	159.91	-46.36
		715	359.05	-2.36	-71.61	-13.11	-60.86	-25.08	12.44	-110.43	-5.39	-92.59	-43.28
		740	306.43	-0.54	-61.84	-12.00	-50.38	-23.90	-25.09	-110.10	-35.54	-99.66	-27.91
472	9	724	450.00	8.85	-97.50	3.24	-91.89	-23.77	152.49	5.81	12.48	145.82	-30.56
		700	472.27	9.02	-116.07	3.93	-110.98	-24.71	168.17	25.67	40.60	153.24	-43.64
		715	310.98	-5.08	-117.03	-11.16	-110.95	-25.36	17.64	-80.25	-2.58	-60.03	-39.63
		740	258.66	-4.11	-98.01	-10.20	-91.92	-23.11	-16.79	-81.35	-30.70	-67.44	-26.54
472	10	724	421.66	10.30	-68.72	3.84	-62.26	-21.65	149.89	9.22	14.75	144.36	-27.33
		700	438.94	10.61	-77.52	4.64	-71.54	-22.15	165.50	29.88	44.02	151.36	-41.44
		715	324.90	-3.51	-78.98	-10.90	-71.59	-22.43	12.83	-95.81	-2.88	-80.10	-38.20
		740	276.89	-2.35	-69.84	-9.98	-62.22	-21.37	-23.08	-96.17	-32.15	-87.10	-24.09
472	11	724	457.34	6.24	-113.31	2.53	-109.60	-20.73	150.67	7.35	12.26	145.75	-26.09
		700	473.27	6.60	-126.37	3.07	-122.84	-21.38	165.27	28.35	40.17	153.45	-38.45
		715	294.39	-4.41	-126.85	-8.44	-122.83	-21.83	14.27	-73.88	-1.72	-57.89	-33.96
		740	250.75	-3.83	-113.50	-7.71	-109.61	-20.28	-19.50	-75.71	-29.63	-65.59	-21.60
473	1	715	398.42	48.01	-139.06	28.14	-119.19	-57.64	-71.68	-150.84	-130.01	-92.51	-34.86
		482	1702.71	41.77	-205.25	31.60	-195.08	-49.07	-144.49	-677.11	-670.26	-151.35	-60.03
		88	1738.81	-24.27	-211.66	-39.95	-195.98	-51.89	-15.56	-647.89	-643.33	-20.12	-53.52
		701	382.78	-8.31	-145.61	-35.63	-118.29	-54.81	44.17	-108.54	-103.08	38.71	-28.35
473	2	715	410.45	47.77	-107.24	25.57	-85.04	-54.29	-87.38	-159.85	-138.52	-108.71	-33.02

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		482	1775.29	40.90	-159.91	29.17	-148.18	-47.11	-165.15	-716.80	-710.07	-171.88	-60.55
		88	1809.76	-24.06	-168.62	-43.67	-149.01	-49.50	-26.80	-687.21	-682.65	-31.36	-54.67
		701	385.24	-5.25	-118.31	-39.36	-84.21	-51.89	36.79	-116.08	-111.10	31.81	-27.14
473	3	715	420.15	55.49	-80.45	24.31	-49.26	-57.16	-108.92	-166.12	-147.77	-127.27	-26.70
		482	1875.04	48.59	-107.75	28.16	-87.32	-52.69	-191.03	-768.66	-762.55	-197.14	-59.09
		88	1936.81	-9.51	-125.52	-46.99	-88.03	-54.25	-43.57	-741.56	-737.24	-47.90	-54.76
		701	405.12	10.04	-101.30	-42.71	-48.55	-55.60	25.36	-125.85	-122.46	21.97	-22.37
473	4	715	365.74	29.38	-121.68	22.84	-115.13	-30.75	-102.64	-137.98	-131.87	-108.75	-13.37
		482	1754.08	35.57	-98.65	26.78	-89.85	-33.21	-175.17	-715.46	-712.87	-177.76	-37.33
		88	1780.12	-27.25	-107.10	-44.16	-90.19	-32.62	-34.00	-681.40	-679.24	-36.17	-37.39
		701	348.35	-29.04	-126.25	-40.50	-114.79	-31.35	34.20	-99.59	-98.23	32.84	-13.42
473	5	715	370.83	29.44	-160.46	25.57	-156.59	-26.83	-79.12	-143.68	-131.95	-90.85	-24.89
		482	1725.68	31.83	-177.89	28.92	-174.97	-24.56	-148.61	-687.65	-683.64	-152.61	-46.30
		88	1755.47	-30.71	-179.96	-35.17	-175.50	-25.42	-12.62	-652.25	-649.48	-15.39	-42.05
		701	410.07	-26.40	-161.26	-31.61	-156.06	-25.98	49.27	-100.69	-97.79	46.37	-20.64
473	6	715	369.22	32.57	-158.05	24.83	-150.32	-37.60	-74.81	-142.61	-130.82	-86.60	-25.70
		482	1694.14	32.76	-197.98	28.04	-193.27	-32.66	-141.12	-671.80	-667.62	-145.30	-46.89
		88	1725.95	-28.59	-201.06	-35.73	-193.93	-34.34	-9.88	-637.71	-635.01	-12.57	-41.08
		701	404.48	-21.93	-159.76	-32.03	-149.66	-35.92	48.81	-100.90	-98.21	46.13	-19.88
473	7	715	360.04	36.96	-148.91	26.74	-138.69	-42.37	-75.64	-138.17	-126.82	-86.99	-24.10
		482	1667.78	36.60	-185.63	30.01	-179.03	-37.71	-142.05	-663.30	-659.10	-146.25	-46.60
		88	1700.39	-24.65	-189.65	-34.62	-179.69	-39.31	-13.58	-632.01	-629.15	-16.44	-41.93
		701	387.15	-17.13	-151.79	-30.89	-138.03	-40.78	45.48	-99.52	-96.87	42.83	-19.43
473	8	715	327.50	44.97	-58.90	18.32	-32.25	-45.36	-84.78	-129.89	-114.99	-99.68	-21.21
		482	1447.00	38.69	-79.48	21.29	-62.08	-41.87	-148.62	-594.20	-589.27	-153.56	-46.63
		88	1499.13	-4.75	-94.71	-36.83	-62.63	-43.09	-35.47	-573.91	-570.42	-38.96	-43.22
		701	317.78	11.55	-76.75	-33.51	-31.69	-44.14	17.70	-98.93	-96.15	14.92	-17.80
473	9	715	277.10	32.47	-98.31	19.98	-85.83	-38.44	-53.37	-105.44	-92.29	-66.52	-22.63
		482	1217.45	29.16	-140.16	22.45	-133.45	-33.04	-104.83	-484.99	-480.64	-109.18	-40.44
		88	1243.19	-17.52	-144.46	-27.93	-134.05	-34.83	-11.34	-463.73	-460.81	-14.26	-36.21
		701	272.00	-7.62	-102.53	-24.92	-85.23	-36.65	31.65	-75.71	-72.46	28.40	-18.40
473	10	715	289.97	35.52	-64.64	17.85	-46.98	-38.17	-74.14	-113.85	-102.16	-85.83	-18.10
		482	1312.97	32.15	-85.20	20.53	-73.58	-35.05	-130.65	-535.88	-531.91	-134.62	-39.91
		88	1346.39	-11.10	-94.82	-31.84	-74.08	-36.14	-26.89	-515.78	-512.98	-29.69	-36.90
		701	275.72	0.44	-75.78	-28.86	-46.48	-37.08	21.27	-85.40	-83.22	19.10	-15.08
473	11	715	261.73	24.01	-108.99	18.15	-103.12	-27.31	-55.07	-100.91	-92.74	-63.24	-17.54
		482	1212.76	24.13	-136.10	20.47	-132.44	-23.92	-102.90	-482.10	-479.18	-105.82	-33.14
		88	1236.08	-20.01	-138.48	-25.58	-132.91	-25.08	-8.15	-458.10	-456.19	-10.07	-29.30
		701	284.24	-15.11	-110.46	-22.92	-102.65	-26.15	34.32	-71.55	-69.75	32.51	-13.70
474	1	740	581.65	9.25	-58.92	-1.80	-47.87	-25.12	19.63	-191.93	-34.76	-137.53	-92.46
		715	539.62	7.23	-114.76	-2.24	-105.29	-32.65	14.65	-167.18	-30.05	-122.48	-78.30
		701	478.29	5.37	-114.05	-2.90	-105.78	-30.31	167.44	6.62	28.75	145.32	-55.39
		725	456.61	10.59	-60.38	-2.41	-47.38	-27.46	164.67	-10.37	24.04	130.26	-69.56
474	2	740	604.09	12.79	-33.09	-2.39	-17.90	-21.59	16.50	-207.97	-35.69	-155.78	-94.82
		715	558.89	7.60	-82.10	-2.75	-71.75	-28.66	10.56	-183.17	-32.00	-140.61	-80.21
		701	458.61	6.52	-81.12	-2.37	-72.22	-26.46	166.54	5.78	29.37	142.95	-56.88
		725	467.62	15.39	-34.67	-1.85	-17.43	-23.79	164.58	-11.13	25.68	127.78	-71.50
474	3	740	629.40	22.15	-18.95	-3.31	6.51	-19.96	11.25	-225.29	-35.71	-178.33	-94.35
		715	577.57	10.61	-49.26	-3.52	-35.13	-25.43	3.31	-201.32	-34.04	-163.97	-79.05
		701	428.80	10.09	-47.85	-2.25	-35.50	-23.72	162.98	6.59	30.62	138.95	-56.40
		725	469.56	24.63	-19.54	-1.79	6.88	-21.66	162.96	-9.41	28.96	124.59	-71.70
474	4	740	604.36	-1.51	-122.81	-5.62	-118.70	-21.95	6.54	-195.29	-29.60	-159.15	-77.38
		715	534.29	-1.55	-108.78	-5.48	-104.85	-20.14	1.43	-174.21	-25.93	-146.85	-63.69
		701	437.79	-0.57	-108.85	-4.69	-104.74	-20.70	154.04	17.30	33.80	137.55	-44.53
		725	450.37	-0.89	-122.69	-4.77	-118.81	-21.39	152.86	2.52	30.14	125.25	-58.22
474	5	740	590.07	0.35	-141.23	-3.45	-137.43	-22.89	13.26	-184.18	-32.74	-138.18	-83.46
		715	527.56	0.46	-151.95	-3.51	-147.98	-24.27	8.71	-160.08	-27.67	-123.70	-69.40
		701	498.96	0.49	-151.90	-3.34	-148.08	-23.84	166.41	15.04	31.69	149.75	-47.37
		725	492.71	0.71	-141.28	-3.23	-137.34	-23.32	162.95	-1.06	26.62	135.27	-61.43
474	6	740	566.17	2.13	-114.74	-2.49	-110.12	-22.78	13.49	-180.04	-33.21	-133.35	-82.80
		715	512.63	2.28	-145.08	-2.73	-140.07	-26.71	8.96	-155.29	-27.75	-118.58	-68.43
		701	486.55	1.43	-144.91	-3.15	-140.32	-25.49	163.76	15.43	31.44	147.75	-46.02
		725	469.89	2.23	-115.00	-2.90	-109.86	-24.00	160.17	-1.20	25.98	132.99	-60.39
474	7	740	560.05	2.90	-106.74	-2.47	-101.37	-23.66	13.14	-178.98	-32.07	-133.78	-81.49
		715	506.87	2.93	-133.22	-2.70	-127.60	-27.10	8.73	-155.15	-26.57	-119.86	-67.37
		701	469.97	1.77	-133.05	-3.46	-127.82	-26.04	160.77	15.35	31.91	144.21	-46.19
		725	458.03	2.63	-107.04	-3.26	-101.15	-24.73	157.95	-1.25	26.41	130.29	-60.32
474	8	740	484.65	22.17	-11.98	-2.58	12.77	-15.25	8.69	-174.80	-27.67	-138.43	-73.15
		715	445.38	9.82	-33.64	-2.75	-21.08	-19.70	1.92	-156.62	-27.19	-127.50	-61.39
		701	330.20	9.28	-32.33	-1.67	-21.38	-18.32	124.17	3.34	22.35	105.15	-44.00
		725	364.04	24.01	-12.23	-1.29	13.07	-16.64	124.51	-8.41	21.88	94.22	-55.76
474	9	740	415.01	5.14	-47.61	-1.42	-41.05	-17.41	12.67	-136.77	-24.39	-99.71	-64.53

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		715	383.01	4.33	-82.45	-1.70	-76.43	-22.05	9.57	-119.00	-20.40	-89.03	-54.36
		701	340.19	3.20	-82.05	-2.11	-76.73	-20.61	119.42	7.09	22.08	104.44	-38.19
		725	325.92	5.82	-48.38	-1.81	-40.74	-18.85	117.33	-5.48	18.09	93.76	-48.36
474	10	740	442.06	8.62	-21.71	-2.26	-10.84	-14.55	8.06	-155.35	-24.91	-122.38	-65.58
		715	404.53	5.22	-45.08	-2.41	-37.45	-18.04	3.37	-138.07	-22.62	-112.08	-54.77
		701	312.14	4.98	-44.42	-1.75	-37.69	-16.95	116.91	7.11	23.12	100.90	-38.75
		725	325.84	10.25	-22.32	-1.47	-10.60	-15.63	116.32	-4.89	20.82	90.61	-49.55
474	11	740	406.96	1.56	-78.99	-1.81	-75.63	-16.11	9.29	-130.20	-23.52	-97.38	-59.16
		715	368.50	1.64	-99.36	-1.97	-95.75	-18.75	6.47	-112.46	-19.12	-86.87	-48.87
		701	344.90	1.06	-99.24	-2.25	-95.92	-17.93	117.39	11.98	23.57	105.79	-32.98
		725	334.56	1.63	-79.17	-2.09	-75.45	-16.93	114.85	-0.40	19.17	95.28	-43.27
475	1	701	602.50	-9.43	-88.80	-22.03	-76.20	-29.01	165.77	-87.49	-53.43	131.71	-86.41
		88	1911.17	-16.40	-168.80	-20.72	-164.48	-25.30	100.08	-646.99	-616.16	69.26	-148.60
		478	1804.14	9.34	-167.15	6.43	-164.24	-22.46	-111.96	-714.38	-679.14	-147.20	-141.38
		716	497.15	19.31	-87.02	8.71	-76.43	-31.84	-19.81	-181.33	-116.40	-84.74	-79.19
475	2	701	611.11	-13.49	-61.94	-27.22	-48.21	-21.83	164.66	-94.39	-59.28	129.55	-88.67
		88	1990.51	-22.74	-138.74	-25.65	-135.83	-18.13	94.40	-684.87	-653.47	63.00	-153.25
		478	1891.92	7.02	-137.28	5.37	-135.63	-15.34	-123.91	-753.88	-717.81	-159.98	-146.36
		716	508.02	17.16	-57.67	7.91	-48.41	-24.63	-25.37	-191.68	-123.62	-93.43	-81.77
475	3	701	636.07	0.02	-46.22	-32.73	-13.47	-21.02	164.17	-98.84	-64.83	130.15	-88.26
		88	2102.61	-25.81	-96.08	-30.59	-91.31	-17.68	86.98	-739.04	-707.31	55.25	-158.74
		478	2025.16	10.07	-93.52	7.77	-91.22	-15.24	-143.49	-814.77	-777.20	-181.06	-154.29
		716	527.26	25.04	-27.82	10.77	-13.56	-23.46	-35.42	-205.46	-134.72	-106.16	-83.81
475	4	701	584.53	-38.06	-92.99	-38.10	-92.95	1.52	159.30	-73.07	-46.92	133.15	-73.43
		88	1936.49	-35.10	-78.24	-35.13	-78.21	1.12	86.99	-676.26	-648.97	59.70	-141.72
		478	1873.12	7.15	-78.65	7.15	-78.65	0.46	-133.04	-751.92	-718.04	-166.92	-140.78
		716	452.34	10.01	-92.55	9.97	-92.51	2.18	-31.37	-178.10	-116.00	-93.47	-72.50
475	5	701	635.58	-26.08	-132.40	-26.31	-132.17	-4.95	167.49	-78.02	-49.59	139.06	-78.55
		88	1916.73	-23.97	-151.08	-24.10	-150.95	-4.03	100.47	-648.11	-620.47	72.83	-141.17
		478	1816.00	10.02	-151.22	9.94	-151.14	-3.54	-112.78	-716.36	-683.52	-145.62	-136.90
		716	457.91	12.56	-132.18	12.36	-131.98	-5.44	-19.89	-172.14	-112.65	-79.39	-74.29
475	6	701	613.19	-21.13	-119.68	-23.15	-117.66	-13.96	163.26	-78.50	-50.74	135.49	-77.08
		88	1875.63	-20.19	-156.16	-21.31	-155.04	-12.30	98.06	-633.93	-607.45	71.59	-136.68
		478	1767.33	9.74	-155.85	8.99	-155.10	-11.17	-111.71	-698.52	-667.18	-143.04	-131.93
		716	454.61	12.98	-119.34	11.24	-117.60	-15.08	-20.79	-168.82	-110.47	-79.13	-72.34
475	7	701	592.16	-17.65	-107.80	-22.06	-103.38	-19.46	161.29	-75.93	-48.19	133.55	-76.23
		88	1853.54	-17.68	-142.95	-20.27	-140.36	-17.82	95.69	-629.84	-602.95	68.79	-137.08
		478	1754.45	11.26	-142.26	9.42	-140.42	-16.71	-114.89	-697.09	-664.76	-147.23	-133.34
		716	459.42	15.20	-106.89	11.63	-103.32	-20.58	-22.45	-170.02	-110.00	-82.47	-72.49
475	8	701	494.02	4.85	-34.75	-25.62	-4.28	-16.68	124.93	-78.21	-51.70	98.43	-68.42
		88	1622.61	-19.95	-72.17	-23.99	-68.13	-13.95	65.35	-571.85	-547.28	40.79	-122.68
		478	1564.57	7.51	-69.93	5.62	-68.04	-11.94	-110.98	-629.80	-600.84	-139.94	-119.11
		716	408.89	21.48	-17.89	7.95	-4.36	-18.69	-27.91	-159.65	-105.26	-82.30	-64.86
475	9	701	429.40	-8.80	-64.20	-16.12	-56.88	-18.75	118.75	-60.08	-36.66	95.34	-60.33
		88	1365.26	-12.32	-113.80	-15.06	-111.06	-16.46	71.30	-463.01	-441.46	49.75	-105.11
		478	1290.56	7.09	-112.78	5.25	-110.94	-14.73	-81.87	-511.94	-486.96	-106.85	-100.60
		716	350.11	12.90	-63.00	6.90	-57.00	-20.48	-14.93	-128.50	-82.16	-61.27	-55.82
475	10	701	440.05	-7.73	-36.36	-22.06	-22.04	-14.32	117.87	-66.39	-42.99	94.47	-61.35
		88	1471.47	-17.71	-73.25	-20.54	-70.41	-12.23	64.03	-514.15	-492.10	41.97	-110.75
		478	1413.38	7.48	-71.86	6.00	-70.38	-10.72	-99.39	-567.72	-541.44	-125.67	-107.78
		716	366.61	14.83	-28.85	8.05	-22.07	-15.82	-23.59	-141.91	-92.33	-73.17	-58.38
475	11	701	435.48	-15.07	-81.58	-16.74	-79.92	-10.39	117.37	-55.10	-35.17	97.44	-55.14
		88	1345.52	-14.46	-106.75	-15.39	-105.81	-9.24	70.19	-455.76	-436.62	51.05	-98.49
		478	1270.11	7.31	-106.50	6.67	-105.86	-8.46	-81.73	-503.13	-480.32	-104.55	-95.36
		716	326.70	9.70	-81.26	8.31	-79.87	-11.17	-15.48	-121.54	-78.86	-58.15	-52.01
476	1	725	487.14	22.11	-15.23	-8.13	15.01	-14.65	184.06	15.91	19.47	180.51	-24.20
		701	521.29	-2.83	-70.08	-8.44	-64.46	-18.61	201.94	42.16	54.49	189.61	-42.64
		716	333.57	-6.91	-72.15	-15.23	-63.83	-21.76	10.66	-102.35	-4.15	-87.54	-38.13
		741	247.23	18.42	-18.30	-14.26	14.38	-11.50	-33.07	-102.75	-39.17	-96.65	-19.69
476	2	725	504.05	44.57	-10.08	-8.04	42.52	-10.38	185.06	17.71	21.15	181.62	-23.74
		701	509.65	-2.54	-43.89	-8.37	-38.06	-14.39	203.43	43.51	56.42	190.52	-43.56
		716	339.85	-5.33	-47.05	-14.96	-37.41	-17.59	9.05	-111.96	-5.62	-97.29	-39.49
		741	287.26	42.79	-14.90	-14.00	41.88	-7.18	-35.43	-111.66	-40.89	-106.19	-19.67
476	3	725	523.42	71.56	-7.55	-6.61	70.62	-8.56	187.49	21.55	24.15	184.90	-20.58
		701	501.69	7.04	-17.69	-6.77	-3.88	-12.28	205.83	48.10	60.44	193.49	-42.36
		716	347.89	7.08	-25.62	-15.25	-3.30	-15.22	6.33	-124.26	-6.62	-111.31	-39.03
		741	334.95	70.41	-14.58	-14.21	70.04	-5.61	-39.22	-123.59	-42.92	-119.90	-17.26
476	4	725	514.95	-1.09	-91.67	-2.95	-89.81	-12.86	182.71	24.84	25.50	182.05	-10.17
		701	513.65	-0.95	-91.72	-2.82	-89.85	-12.87	194.73	55.70	62.59	187.84	-30.17
		716	361.38	-3.20	-91.78	-5.11	-89.87	-12.87	8.70	-108.88	0.31	-100.49	-30.27
		741	311.77	-3.06	-91.70	-4.97	-89.79	-12.87	-35.29	-107.77	-36.78	-106.28	-10.28
476	5	725	545.15	-0.95	-110.52	-3.61	-107.85	-16.87	188.49	20.66	22.09	187.06	-15.43

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		701	558.92	-1.06	-129.43	-3.59	-126.91	-17.83	202.53	50.13	58.17	194.49	-34.07
		716	350.76	-4.06	-129.58	-6.88	-126.77	-18.58	9.72	-95.70	-0.98	-85.00	-31.84
		741	292.45	-4.04	-110.49	-6.54	-107.99	-16.13	-34.08	-95.41	-37.06	-92.42	-13.19
476	6	725	512.04	-1.68	-77.90	-5.21	-74.37	-16.02	184.22	19.99	21.44	182.77	-15.36
		701	538.06	-2.40	-113.32	-5.34	-110.39	-17.82	198.33	49.25	57.19	190.38	-33.49
		716	339.11	-5.05	-113.62	-8.57	-110.10	-19.24	9.43	-95.09	-0.69	-84.96	-30.92
		741	271.74	-5.06	-77.72	-8.12	-74.66	-14.59	-33.67	-95.35	-36.44	-92.57	-12.78
476	7	725	495.97	-0.19	-63.86	-4.81	-59.23	-16.53	182.11	20.43	21.93	180.61	-15.51
		701	522.21	-1.28	-98.73	-4.86	-95.16	-18.32	196.18	49.69	58.00	187.87	-33.88
		716	339.02	-5.14	-99.23	-9.49	-94.88	-19.74	10.13	-97.96	-0.23	-87.59	-31.83
		741	269.17	-4.78	-63.68	-8.95	-59.51	-15.11	-33.35	-97.80	-36.30	-94.85	-13.46
476	8	725	405.79	64.69	-5.83	-5.30	64.16	-6.11	142.77	15.95	18.14	140.58	-16.51
		701	387.62	9.08	-11.19	-5.44	3.32	-9.14	157.07	35.34	45.19	147.23	-33.19
		716	264.73	9.83	-18.30	-12.27	3.79	-11.55	4.07	-96.25	-6.22	-85.95	-30.44
		741	265.29	63.87	-11.60	-11.42	63.68	-3.70	-30.23	-95.64	-33.27	-92.60	-13.77
476	9	725	341.71	8.36	-13.35	-5.20	0.21	-10.51	132.44	12.80	14.87	130.37	-15.59
		701	374.05	-1.82	-52.74	-5.38	-49.19	-12.97	144.76	32.72	40.85	136.63	-29.06
		716	241.57	-4.81	-53.87	-9.88	-48.80	-14.93	7.93	-73.58	-1.71	-63.94	-26.32
		741	176.90	4.96	-14.40	-9.25	-0.18	-8.55	-24.12	-73.78	-27.70	-70.20	-12.85
476	10	725	362.10	32.48	-5.73	-4.35	31.10	-7.13	134.39	15.89	17.47	132.81	-13.58
		701	358.34	0.97	-20.95	-4.45	-15.53	-9.45	146.91	36.03	44.16	138.78	-28.90
		716	249.72	-0.92	-24.13	-9.89	-15.17	-11.30	5.61	-85.84	-3.09	-77.15	-26.82
		741	220.15	31.43	-9.91	-9.23	30.74	-5.28	-27.41	-85.49	-29.78	-83.12	-11.50
476	11	725	365.39	-0.96	-52.07	-3.58	-49.45	-11.27	132.61	14.99	15.96	131.63	-10.67
		701	383.57	-1.51	-76.85	-3.65	-74.70	-12.53	142.78	36.63	42.36	137.06	-23.98
		716	245.23	-3.59	-77.09	-6.18	-74.50	-13.53	7.34	-69.63	0.21	-62.51	-22.31
		741	195.97	-3.56	-51.94	-5.85	-49.65	-10.27	-24.32	-69.80	-26.18	-67.93	-9.01
477	1	716	360.98	11.02	-58.18	0.98	-48.14	-24.38	-87.99	-147.20	-135.22	-99.97	-23.78
		478	1572.20	4.12	-131.16	2.51	-129.54	-14.69	-130.04	-632.85	-628.72	-134.17	-45.35
		111	1640.87	-29.42	-133.43	-32.55	-130.30	-17.78	26.66	-592.05	-591.59	26.20	-16.87
		702	379.70	-15.67	-61.68	-29.96	-47.39	-21.29	60.54	-98.23	-98.09	60.40	4.69
477	2	716	377.40	4.06	-36.95	-2.40	-30.49	-14.93	-96.47	-156.64	-144.55	-108.56	-24.11
		478	1649.37	-0.85	-119.05	-1.02	-118.88	-4.44	-140.83	-667.34	-663.26	-144.92	-46.18
		111	1720.92	-33.44	-120.36	-34.15	-119.66	-7.78	27.62	-623.36	-622.92	27.18	-16.79
		702	395.78	-19.02	-42.30	-31.62	-29.71	-11.60	63.71	-104.38	-104.22	63.54	5.28
477	3	716	398.11	15.95	-15.92	-0.91	0.94	-15.91	-109.87	-167.34	-157.03	-120.19	-22.06
		478	1773.54	0.59	-95.77	0.38	-95.57	-4.47	-156.85	-721.89	-717.74	-161.00	-48.23
		111	1858.11	-31.06	-97.39	-32.06	-96.39	-8.09	27.56	-677.71	-677.25	27.10	-18.00
		702	450.77	6.01	-33.76	-29.52	1.77	-12.28	68.27	-116.89	-116.53	67.91	8.18
477	4	716	359.13	8.40	-91.13	8.21	-90.93	4.38	-101.67	-142.70	-136.39	-107.98	-14.80
		478	1642.79	10.43	-81.77	10.30	-81.64	3.46	-146.76	-666.84	-664.11	-149.49	-37.61
		111	1713.03	-25.26	-82.08	-25.50	-81.84	3.65	27.04	-623.64	-623.38	26.78	-13.01
		702	419.40	-23.26	-90.99	-23.52	-90.73	4.19	68.87	-96.25	-95.66	68.29	9.80
477	5	716	351.38	11.79	-119.34	11.35	-118.91	-7.54	-87.98	-139.55	-132.42	-95.11	-17.80
		478	1588.05	13.86	-127.94	13.58	-127.66	-6.33	-129.37	-635.43	-632.31	-132.49	-39.63
		111	1657.61	-25.84	-128.46	-26.29	-128.00	-6.81	29.92	-595.02	-594.71	29.61	-14.02
		702	430.73	-23.43	-119.09	-23.95	-118.57	-7.06	67.37	-95.20	-94.82	66.99	7.81
477	6	716	341.93	11.47	-99.48	9.55	-97.56	-14.46	-88.79	-135.95	-129.50	-95.24	-16.21
		478	1545.59	12.78	-120.10	11.73	-119.05	-11.76	-129.09	-620.71	-617.81	-131.99	-37.67
		111	1610.89	-26.92	-121.22	-28.66	-119.48	-12.70	25.82	-581.67	-581.39	25.55	-12.90
		702	403.59	-23.71	-99.63	-26.20	-97.14	-13.51	62.77	-93.56	-93.09	62.30	8.56
477	7	716	339.63	14.21	-83.98	9.97	-79.75	-19.95	-90.73	-135.10	-127.74	-98.10	-16.51
		478	1536.29	14.53	-107.10	12.15	-104.72	-16.83	-132.21	-619.78	-616.63	-135.37	-39.10
		111	1600.90	-24.53	-109.15	-28.51	-105.17	-17.91	21.85	-582.24	-581.88	21.49	-14.76
		702	385.74	-20.00	-85.31	-26.01	-79.30	-18.87	59.16	-93.39	-92.99	58.76	7.83
477	8	716	310.18	15.07	-10.49	-1.83	6.41	-12.10	-84.62	-130.85	-122.62	-92.85	-17.68
		478	1370.37	-0.84	-73.99	-0.93	-73.90	-2.60	-120.73	-557.88	-554.58	-124.03	-37.84
		111	1436.12	-24.08	-75.19	-24.70	-74.56	-5.60	21.37	-523.71	-523.34	21.00	-14.24
		702	353.87	9.62	-25.32	-22.76	7.07	-9.10	52.42	-91.62	-91.38	52.18	5.92
477	9	716	254.30	8.15	-43.85	2.30	-38.00	-16.43	-64.50	-103.30	-95.55	-72.26	-15.51
		478	1125.67	4.74	-88.21	3.52	-86.99	-10.58	-94.81	-453.80	-451.05	-97.56	-31.29
		111	1174.90	-20.47	-89.80	-22.78	-87.48	-12.46	18.51	-424.93	-424.63	18.21	-11.53
		702	272.54	-12.47	-45.97	-20.93	-37.51	-14.55	43.67	-69.29	-69.13	43.51	4.24
477	10	716	274.75	8.43	-17.91	1.25	-10.73	-11.73	-76.66	-114.49	-107.66	-83.49	-14.55
		478	1237.59	2.68	-68.45	2.34	-68.11	-4.90	-109.70	-503.27	-500.51	-112.47	-32.89
		111	1295.61	-21.45	-69.71	-22.51	-68.64	-7.08	19.01	-472.52	-472.22	18.71	-12.16
		702	304.56	-4.55	-26.33	-20.68	-10.20	-9.55	47.99	-79.67	-79.37	47.69	6.18
477	11	716	244.45	8.68	-67.06	7.07	-65.46	-10.92	-64.97	-97.03	-92.37	-69.63	-11.30
		478	1110.95	9.53	-82.04	8.65	-81.16	-8.95	-94.27	-447.07	-444.99	-96.35	-27.02
		111	1158.26	-19.13	-82.96	-20.62	-81.47	-9.64	18.05	-419.17	-418.97	17.85	-9.33
		702	285.89	-16.67	-67.31	-18.83	-65.15	-10.23	44.93	-66.71	-66.35	44.57	6.39
478	1	741	460.07	47.00	3.12	3.16	46.96	1.24	5.24	-161.34	-28.46	-127.63	-66.92

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		716	410.80	4.97	-45.56	2.27	-42.85	-11.38	0.20	-142.59	-24.53	-117.87	-54.03
		702	409.11	0.85	-44.99	-0.40	-43.74	-7.46	154.45	20.67	32.74	142.38	-38.32
		727	426.95	48.00	0.23	0.38	47.85	-2.68	153.62	7.79	28.80	132.61	-51.21
478	2	741	498.96	70.71	2.76	3.32	70.15	6.13	4.08	-170.72	-29.74	-136.91	-69.05
		716	421.72	4.25	-29.42	2.43	-27.59	-7.62	-1.50	-151.42	-26.41	-126.51	-55.80
		702	417.48	1.27	-28.95	0.89	-28.57	-3.34	160.33	21.25	33.23	148.35	-39.02
		727	450.19	71.18	1.78	1.83	71.13	1.86	159.10	8.75	29.90	137.95	-52.27
478	3	741	549.51	105.52	2.43	3.08	104.87	8.16	1.69	-183.22	-30.66	-150.88	-70.25
		716	433.58	8.96	-3.32	2.25	3.39	-6.11	-5.12	-163.99	-28.65	-140.46	-56.43
		702	426.64	3.79	0.40	1.83	2.37	-1.67	169.68	23.37	34.80	158.25	-39.27
		727	490.41	106.03	2.74	2.87	105.90	3.72	168.57	12.04	32.79	147.82	-53.08
478	4	741	483.95	-2.17	-81.18	-2.85	-80.50	-7.29	1.86	-163.14	-24.43	-136.84	-60.39
		716	444.57	-1.85	-90.08	-2.68	-89.25	-8.55	-2.36	-147.62	-21.10	-128.89	-48.69
		702	448.69	1.73	-90.10	1.01	-89.37	-8.14	160.58	25.92	36.09	150.40	-35.59
		727	449.20	2.06	-81.10	1.34	-80.38	-7.69	160.02	15.19	32.76	142.45	-47.29
478	5	741	467.12	-0.02	-94.70	-1.32	-93.40	-11.05	3.57	-152.98	-25.71	-123.69	-61.05
		716	431.81	0.28	-116.44	-1.44	-114.72	-14.05	-0.88	-136.01	-21.62	-115.26	-48.71
		702	455.45	0.92	-116.43	-0.57	-114.95	-13.11	157.63	24.97	34.94	147.65	-34.99
		727	448.11	1.24	-94.69	-0.28	-93.17	-11.99	156.98	13.09	30.85	139.22	-47.33
478	6	741	443.55	1.25	-58.13	0.14	-57.01	-8.07	2.79	-152.06	-25.42	-123.85	-59.77
		716	417.16	1.62	-94.32	-0.19	-92.51	-13.06	-1.27	-135.23	-20.86	-115.64	-47.33
		702	425.21	0.57	-94.28	-0.85	-92.86	-11.51	151.38	25.35	35.30	141.44	-33.98
		727	412.62	1.08	-58.26	-0.52	-56.66	-9.62	151.13	12.83	30.73	133.23	-46.43
478	7	741	440.44	1.74	-37.08	0.15	-35.49	-7.68	3.29	-154.75	-25.05	-126.40	-60.63
		716	416.34	2.05	-76.06	-0.20	-73.81	-13.07	-0.81	-138.47	-20.63	-118.65	-48.32
		702	409.66	0.75	-75.93	-0.98	-74.19	-11.40	149.69	24.17	35.26	138.61	-35.62
		727	398.79	1.75	-37.49	-0.63	-35.11	-9.36	150.11	11.58	30.84	130.86	-47.93
478	8	741	429.77	92.22	2.01	2.64	91.60	7.46	1.21	-141.25	-23.97	-116.07	-54.34
		716	331.97	10.28	-0.27	1.94	8.06	-4.30	-4.61	-126.39	-23.08	-107.92	-43.68
		702	331.63	7.29	1.52	1.59	7.22	-0.64	130.35	16.94	25.65	121.64	-30.19
		727	382.87	92.60	2.30	2.46	92.44	3.80	129.43	8.82	24.76	113.49	-40.85
478	9	741	322.90	21.43	1.75	1.76	21.43	-0.35	3.34	-115.76	-19.78	-92.64	-47.11
		716	297.60	3.01	-36.00	1.21	-34.20	-8.17	0.27	-102.61	-16.43	-85.91	-37.94
		702	294.26	0.60	-35.69	-0.33	-34.75	-5.74	110.94	16.24	24.79	102.38	-27.15
		727	299.68	22.33	-0.19	0.16	21.98	-2.78	110.47	6.62	21.44	95.65	-36.32
478	10	741	372.45	53.84	1.48	1.72	53.60	3.50	1.41	-127.96	-21.00	-105.55	-48.95
		716	310.35	3.49	-10.80	1.20	-8.51	-5.24	-2.63	-114.55	-18.72	-98.46	-39.27
		702	301.88	1.51	-9.73	0.91	-9.14	-2.52	119.39	17.74	25.94	111.20	-27.68
		727	334.52	54.24	1.53	1.55	54.23	0.78	118.77	8.98	23.66	104.10	-37.36
478	11	741	319.94	0.90	-37.15	0.08	-36.33	-5.52	2.01	-110.64	-18.09	-90.53	-43.13
		716	301.48	1.16	-63.10	-0.15	-61.79	-9.10	-0.49	-98.58	-14.39	-84.67	-34.21
		702	303.20	0.44	-63.06	-0.58	-62.04	-7.99	109.23	18.84	26.22	101.86	-24.74
		727	295.00	0.85	-37.27	-0.34	-36.08	-6.63	109.08	9.42	22.51	95.99	-33.66
479	1	702	595.39	-20.81	-26.72	-20.81	-26.72	-0.02	224.13	10.55	18.25	216.42	-39.83
		111	1850.85	-18.05	-147.75	-18.29	-147.51	5.52	40.24	-657.20	-644.27	27.31	-94.06
		87	1855.91	6.86	-147.81	6.25	-147.21	9.62	-75.52	-714.90	-670.88	-119.55	-161.90
		346	539.25	10.77	-27.47	10.32	-27.02	4.12	145.11	-83.89	-8.35	69.56	-107.67
479	2	702	618.28	-9.60	-30.27	-23.11	-16.76	9.84	232.60	7.58	15.53	224.65	-41.56
		111	1941.07	-18.41	-154.92	-20.33	-153.00	16.08	41.16	-689.27	-676.32	28.21	-96.40
		87	1945.72	9.48	-155.30	6.84	-152.65	20.71	-77.13	-746.68	-702.19	-121.62	-166.75
		346	571.49	12.28	-18.03	11.36	-17.11	5.20	151.98	-87.51	-10.34	74.82	-111.92
479	3	702	678.61	14.21	-22.71	-21.94	13.44	5.28	252.32	5.82	13.22	244.91	-42.07
		111	2101.93	-17.48	-150.36	-18.71	-149.13	12.72	45.30	-747.93	-734.52	31.90	-102.25
		87	2109.18	15.10	-150.74	13.06	-148.70	18.25	-83.28	-810.19	-763.24	-130.23	-178.67
		346	599.99	18.38	13.00	18.36	13.01	-0.25	161.92	-94.63	-15.49	82.79	-118.49
479	4	702	667.98	-21.87	-84.94	-26.05	-80.76	15.70	241.58	20.88	26.79	235.67	-35.62
		111	1944.31	-18.49	-138.00	-21.40	-135.08	18.45	43.77	-691.46	-677.99	30.30	-98.61
		87	1974.06	17.67	-138.02	15.04	-135.38	20.07	-77.95	-757.61	-710.35	-125.22	-172.89
		346	595.27	22.32	-82.38	20.39	-80.45	14.08	155.26	-80.67	-5.57	80.16	-109.90
479	5	702	657.68	-22.37	-101.68	-22.91	-101.13	6.53	231.67	16.38	22.71	225.35	-36.35
		111	1868.40	-18.57	-153.32	-19.19	-152.70	9.09	43.87	-660.80	-647.96	31.03	-94.25
		87	1881.62	11.13	-153.60	10.44	-152.91	10.67	-74.10	-722.26	-677.46	-118.90	-164.41
		346	572.72	15.03	-101.14	14.82	-100.93	4.95	148.49	-79.85	-6.79	75.43	-106.51
479	6	702	618.37	-22.62	-77.51	-22.85	-77.28	3.52	222.58	15.50	21.65	216.43	-35.17
		111	1812.10	-19.28	-134.84	-19.62	-134.50	6.29	38.39	-645.71	-633.52	26.20	-90.50
		87	1823.59	7.15	-135.08	6.69	-134.61	8.11	-77.39	-704.94	-661.47	-120.86	-159.34
		346	542.94	10.68	-77.20	10.65	-77.17	1.71	142.21	-79.14	-6.29	69.36	-104.01
479	7	702	599.94	-22.13	-57.49	-22.21	-57.42	-1.59	221.28	16.21	22.73	214.76	-35.99
		111	1806.70	-18.98	-121.54	-19.00	-121.52	1.49	35.94	-647.23	-634.53	23.24	-92.28
		87	1823.66	7.59	-121.69	7.50	-121.59	3.55	-80.36	-708.15	-663.30	-125.21	-161.69
		346	533.75	11.71	-57.54	11.52	-57.35	-3.65	141.58	-81.31	-6.04	66.31	-105.41
479	8	702	527.11	16.00	-17.14	-16.54	15.41	4.39	193.84	2.43	8.17	188.10	-32.63

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		111	1624.02	-13.07	-118.57	-14.12	-117.52	10.46	35.14	-577.33	-567.07	24.88	-78.59
		87	1628.24	12.09	-118.89	10.35	-117.15	14.99	-63.24	-624.51	-588.79	-98.96	-137.02
		346	464.14	15.07	14.44	14.47	15.03	-0.15	124.38	-73.66	-13.55	64.26	-91.06
479	9	702	429.57	-15.33	-22.86	-15.33	-22.86	4.77e-03	161.77	9.62	14.95	156.44	-27.97
		111	1326.43	-13.23	-100.39	-13.38	-100.25	3.58	28.44	-472.08	-462.81	19.17	-67.50
		87	1332.49	5.17	-100.46	4.80	-100.10	6.18	-55.50	-514.46	-482.44	-87.52	-116.92
		346	387.89	7.97	-23.23	7.75	-23.01	-2.60	104.57	-59.50	-4.68	49.75	-77.39
479	10	702	467.43	-2.87e-03	-16.50	-15.96	-0.55	2.95	177.44	6.99	12.15	172.27	-29.21
		111	1465.92	-12.96	-101.80	-13.61	-101.15	7.58	31.25	-522.48	-512.94	21.71	-72.05
		87	1473.16	9.68	-102.02	8.59	-100.93	10.98	-59.83	-567.37	-533.75	-93.46	-126.24
		346	420.79	12.23	-0.78	12.22	-0.77	-0.45	113.87	-65.42	-8.65	57.10	-83.40
479	11	702	442.42	-16.35	-51.06	-16.47	-50.95	1.97	160.92	12.37	16.84	156.45	-25.38
		111	1304.91	-13.92	-93.22	-14.12	-93.02	4.01	27.41	-465.70	-456.83	18.55	-65.52
		87	1314.57	5.34	-93.39	5.05	-93.10	5.34	-56.55	-508.92	-477.21	-88.26	-115.50
		346	389.83	7.94	-50.88	7.93	-50.87	0.63	102.96	-56.86	-3.54	49.64	-75.36
480	1	727	586.95	51.21	-7.78	-7.78	51.21	-0.08	205.32	-2.06	-1.53	204.79	-10.53
		702	611.71	-7.95	-18.60	-9.33	-17.22	-3.58	257.28	90.45	93.96	253.77	-23.96
		346	169.14	1.03	-18.91	-1.45	-16.43	-6.59	65.22	56.27	64.64	56.85	2.20
		726	142.17	50.58	-1.92	-1.75	50.42	2.93	13.39	-36.38	-30.85	7.87	15.63
480	2	727	622.61	69.21	-7.96	-7.78	69.03	3.71	214.45	-1.87	-1.44	214.02	-9.64
		702	631.12	-8.41	-9.59	-9.53	-8.47	-0.25	267.44	93.36	96.69	264.11	-23.84
		346	172.76	0.90	-9.15	-0.68	-7.57	-3.66	67.29	59.40	66.09	60.60	2.83
		726	163.38	68.86	-1.74	-1.02	68.13	7.12	16.49	-38.03	-32.04	10.51	17.04
480	3	727	696.38	110.01	-6.99	-6.81	109.83	4.62	232.36	-1.18	-0.96	232.14	-7.17
		702	692.61	23.76	-8.46	-8.46	23.76	0.19	288.85	100.92	103.77	285.99	-22.98
		346	193.28	25.20	-1.81	-1.33	24.72	-3.57	74.90	63.10	70.42	67.58	5.73
		726	206.10	109.50	-2.05	-1.41	108.87	8.38	21.97	-42.56	-34.32	13.72	21.54
480	4	727	649.66	2.44	-85.07	1.29	-83.91	-9.99	222.86	0.56	0.63	222.78	-4.11
		702	688.89	2.85	-79.96	1.68	-78.80	-9.76	274.43	100.03	102.21	272.25	-19.36
		346	214.70	-0.33	-80.04	-1.48	-78.89	-9.51	75.03	60.95	70.53	65.45	6.56
		726	192.79	0.07	-85.07	-1.18	-83.82	-10.24	24.54	-39.60	-31.04	15.98	21.81
480	5	727	630.66	0.56	-93.59	-1.16	-91.87	-12.63	213.84	-0.08	0.09	213.67	-6.10
		702	675.96	0.63	-98.44	-1.08	-96.73	-12.89	264.30	95.13	97.64	261.78	-20.48
		346	212.70	-0.49	-98.48	-2.27	-96.70	-13.09	70.15	58.96	67.31	61.80	4.87
		726	185.06	-0.41	-93.59	-2.10	-91.90	-12.43	20.93	-37.48	-30.24	13.69	19.25
480	6	727	584.61	-1.31	-56.49	-2.87	-54.93	-9.16	206.18	0.33	0.49	206.01	-5.87
		702	638.60	-1.72	-73.42	-3.15	-71.98	-10.04	255.36	94.34	96.93	252.77	-20.27
		346	191.44	-0.52	-73.43	-2.15	-71.80	-10.78	68.33	54.34	66.91	55.76	4.21
		726	153.38	-0.82	-56.41	-2.12	-55.11	-8.41	16.53	-37.05	-29.53	9.00	18.61
480	7	727	562.97	-0.49	-30.96	-3.05	-28.40	-8.45	204.67	0.14	0.40	204.41	-7.29
		702	622.82	-1.49	-52.67	-3.37	-50.79	-9.62	254.36	94.38	97.44	251.30	-21.91
		346	180.37	-0.32	-52.79	-2.55	-50.56	-10.58	67.67	53.07	67.19	53.55	2.62
		726	134.53	-0.47	-30.62	-2.46	-28.63	-7.48	13.51	-36.70	-29.85	6.66	17.24
480	8	727	542.51	95.56	-5.81	-5.61	95.36	4.54	178.38	-1.25	-1.07	178.20	-5.66
		702	535.70	23.73	-7.02	-7.00	23.70	0.85	221.75	76.19	78.36	219.58	-17.62
		346	150.37	24.70	-1.15	-0.95	24.50	-2.28	57.31	48.25	52.92	52.64	4.53
		726	166.17	95.17	-1.64	-1.02	94.56	7.67	17.43	-32.69	-26.51	11.25	16.48
480	9	727	415.47	24.80	-4.79	-4.74	24.75	-1.24	148.56	-0.86	-0.55	148.25	-6.82
		702	443.62	-4.70	-17.54	-5.65	-16.60	-3.35	185.83	66.96	69.40	183.39	-16.87
		346	124.66	0.44	-17.74	-1.18	-16.12	-5.17	48.31	40.42	47.92	40.42	1.77
		726	96.62	24.29	-1.34	-1.33	24.28	0.58	9.68	-26.45	-22.04	5.28	11.82
480	10	727	476.26	57.35	-4.23	-4.20	57.32	1.38	163.59	-0.39	-0.24	163.44	-4.95
		702	480.45	6.31	-5.30	-5.16	6.17	-1.26	203.36	72.78	74.85	201.29	-16.32
		346	132.70	8.06	-2.44	-1.11	6.73	-3.49	53.17	44.34	51.13	46.38	3.73
		726	131.28	56.97	-1.36	-1.14	56.75	3.61	14.47	-29.90	-23.97	8.53	15.10
480	11	727	418.71	-0.83	-35.39	-2.01	-34.21	-6.28	149.05	0.45	0.57	148.93	-4.23
		702	458.56	-1.16	-48.07	-2.21	-47.02	-6.94	184.76	69.12	71.05	182.83	-14.82
		346	136.66	-0.36	-48.09	-1.57	-46.89	-7.50	50.00	38.99	49.18	39.81	2.89
		726	107.26	-0.56	-35.32	-1.53	-34.35	-5.72	11.45	-26.85	-21.31	5.91	13.48
481	1	726	197.35	64.48	1.69	1.76	64.41	-2.09	36.85	-33.53	35.05	-31.73	-11.10
		346	151.66	1.90	-29.16	1.76	-29.03	-2.04	-5.13	-54.09	-19.50	-39.72	-22.29
		749	328.04	0.20	-29.17	0.06	-29.03	-2.04	-34.59	-129.61	-40.78	-123.42	-23.45
		750	374.40	64.48	-8.17e-03	0.06	64.41	-2.09	14.93	-116.58	13.77	-115.43	-12.26
481	2	726	204.04	79.64	1.79	1.79	79.64	0.03	38.00	-31.30	36.26	-29.55	-10.85
		346	146.72	1.79	-25.29	1.79	-25.29	0.09	-5.33	-53.85	-21.09	-38.09	-22.72
		749	325.81	0.65	-25.29	0.65	-25.29	0.09	-36.68	-130.51	-43.30	-123.88	-24.04
		750	384.70	79.64	0.65	0.65	79.64	0.03	15.18	-116.49	14.04	-115.35	-12.17
481	3	726	233.87	128.45	2.23	2.32	128.36	-3.50	39.96	-29.99	38.76	-28.80	-9.07
		346	135.53	9.18	0.61	2.32	7.47	-3.43	-8.09	-54.24	-24.09	-38.24	-21.97
		749	325.77	8.99	-0.26	1.26	7.47	-3.43	-41.83	-136.42	-48.07	-130.18	-23.49
		750	430.47	128.45	1.16	1.26	128.36	-3.50	15.60	-121.56	14.78	-120.73	-10.59
481	4	726	187.63	-0.25	-70.79	-0.40	-70.64	-3.32	38.72	-24.98	37.90	-24.16	-7.18

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		346	165.77	-0.29	-94.46	-0.40	-94.34	-3.30	-5.69	-47.72	-19.04	-34.37	-19.57
		749	362.63	3.18	-94.45	3.07	-94.34	-3.30	-36.20	-127.78	-41.99	-121.99	-22.28
		750	371.23	3.22	-70.78	3.07	-70.64	-3.32	15.71	-112.54	14.95	-111.78	-9.89
481	5	726	194.20	0.13	-78.74	-0.06	-78.55	-3.92	37.30	-27.10	36.17	-25.97	-8.47
		346	175.79	0.08	-107.40	-0.06	-107.26	-3.91	-5.07	-48.44	-18.51	-35.00	-20.06
		749	366.19	1.61	-107.40	1.47	-107.26	-3.91	-34.65	-125.63	-40.34	-119.94	-22.03
		750	373.07	1.66	-78.74	1.47	-78.55	-3.92	15.20	-111.78	14.34	-110.92	-10.44
481	6	726	181.86	0.25	-43.11	0.06	-42.92	-2.85	36.83	-31.08	35.82	-30.07	-8.21
		346	170.19	0.16	-82.22	0.06	-82.12	-2.83	-5.82	-50.75	-17.39	-39.19	-19.65
		749	357.20	0.71	-82.22	0.61	-82.12	-2.83	-33.52	-127.85	-38.87	-122.50	-21.83
		750	355.62	0.80	-43.11	0.61	-42.92	-2.85	15.18	-114.23	14.34	-113.39	-10.39
481	7	726	173.84	1.78	-13.98	0.32	-12.53	-4.56	37.37	-34.19	36.08	-32.90	-9.53
		346	169.99	0.66	-60.09	0.32	-59.75	-4.53	-5.24	-54.26	-17.25	-42.25	-21.08
		749	354.42	0.80	-60.09	0.46	-59.75	-4.53	-32.95	-131.71	-38.87	-125.79	-23.44
		750	345.22	1.90	-13.97	0.46	-12.53	-4.56	15.52	-117.51	14.45	-116.43	-11.89
481	8	726	183.47	109.86	1.90	1.96	109.79	-2.62	30.36	-22.18	29.40	-21.23	-7.02
		346	104.41	11.44	1.27	1.96	10.75	-2.56	-6.45	-41.35	-19.42	-28.39	-16.86
		749	249.66	11.38	0.36	0.99	10.75	-2.56	-32.87	-103.57	-37.74	-98.70	-17.90
		750	334.44	109.85	0.92	0.99	109.79	-2.62	11.71	-92.17	11.08	-91.54	-8.06
481	9	726	137.00	34.67	0.92	1.02	34.57	-1.85	26.88	-24.49	25.74	-23.35	-7.56
		346	111.88	1.15	-24.88	1.02	-24.75	-1.81	-3.54	-38.98	-13.16	-29.35	-15.77
		749	241.58	0.29	-24.88	0.15	-24.75	-1.81	-24.36	-94.28	-28.68	-89.96	-16.83
		750	264.28	34.67	0.06	0.15	34.57	-1.85	11.01	-84.74	10.23	-83.96	-8.63
481	10	726	157.15	70.20	1.23	1.33	70.10	-2.63	28.62	-22.54	27.80	-21.72	-6.43
		346	101.54	2.32	-5.46	1.33	-4.47	-2.59	-5.27	-38.97	-15.72	-28.53	-15.59
		749	236.80	1.88	-5.52	0.82	-4.47	-2.59	-28.38	-98.06	-32.73	-93.71	-16.86
		750	295.40	70.20	0.72	0.82	70.10	-2.63	11.39	-87.51	10.79	-86.90	-7.70
481	11	726	130.32	0.28	-25.26	0.08	-25.06	-2.27	26.89	-23.15	26.17	-22.43	-5.95
		346	122.54	0.17	-54.34	0.08	-54.24	-2.25	-3.87	-37.17	-11.99	-29.06	-14.30
		749	257.87	0.55	-54.34	0.46	-54.24	-2.25	-23.75	-93.31	-27.62	-89.45	-15.93
		750	255.77	0.66	-25.26	0.46	-25.06	-2.27	11.16	-83.44	10.54	-82.82	-7.59
482	1	346	538.03	11.43	-32.24	7.08	-27.88	-13.09	-40.69	-215.10	-159.31	-96.48	-81.35
		87	1549.07	8.48	-113.88	7.08	-112.47	-13.04	-9.20	-571.93	-558.21	-22.93	-86.80
		305	1514.92	15.48	-113.80	14.15	-112.47	-13.04	-24.61	-562.87	-562.81	-24.67	-5.59
		749	387.48	17.89	-31.62	14.15	-27.88	-13.09	-98.22	-163.90	-163.90	-98.22	-0.15
482	2	346	551.54	9.17	-24.63	8.44	-23.89	-4.93	-41.58	-223.62	-167.67	-97.53	-83.99
		87	1626.97	8.61	-126.93	8.44	-126.75	-4.87	-8.77	-597.87	-584.33	-22.31	-88.28
		305	1591.77	17.51	-126.92	17.34	-126.75	-4.87	-22.11	-587.76	-587.72	-22.14	-4.53
		749	405.20	17.93	-24.47	17.34	-23.89	-4.93	-97.36	-171.06	-171.06	-97.36	-0.24
482	3	346	591.28	25.51	-2.12	13.89	9.50	-13.64	-45.66	-239.01	-183.39	-101.27	-87.52
		87	1769.88	15.21	-125.09	13.89	-123.77	-13.56	-7.74	-650.83	-636.78	-21.80	-94.03
		305	1738.34	25.05	-125.01	23.81	-123.77	-13.56	-23.65	-642.30	-642.27	-23.69	-4.49
		749	451.16	32.06	1.25	23.81	9.50	-13.64	-103.12	-188.93	-188.88	-103.16	2.02
482	4	346	553.02	20.44	-92.59	19.53	-91.68	-10.11	-39.94	-221.07	-165.63	-95.38	-83.47
		87	1652.33	20.31	-110.71	19.53	-109.93	-10.10	-2.36	-604.03	-589.60	-16.79	-92.05
		305	1625.12	28.45	-110.66	27.71	-109.93	-10.10	-15.61	-596.53	-596.48	-15.66	-5.46
		749	418.08	28.56	-92.53	27.71	-91.68	-10.11	-94.13	-172.63	-172.50	-94.25	3.12
482	5	346	541.20	15.36	-107.21	13.52	-105.37	-14.90	-39.00	-213.07	-159.14	-92.94	-80.50
		87	1576.11	15.15	-122.46	13.52	-120.83	-14.89	-4.26	-577.06	-563.22	-18.10	-87.96
		305	1546.65	21.21	-122.39	19.65	-120.83	-14.89	-18.99	-569.47	-569.41	-19.05	-5.47
		749	396.82	21.40	-107.12	19.65	-105.37	-14.90	-93.83	-165.38	-165.33	-93.88	1.99
482	6	346	526.38	10.69	-82.36	9.04	-80.71	-12.29	-41.33	-209.11	-154.98	-95.46	-78.43
		87	1524.17	10.36	-104.89	9.04	-103.57	-12.28	-9.93	-563.50	-550.01	-23.42	-85.35
		305	1493.37	16.65	-104.83	15.39	-103.57	-12.28	-25.27	-555.92	-555.87	-25.32	-5.46
		749	381.14	16.94	-82.26	15.39	-80.71	-12.29	-97.34	-160.87	-160.83	-97.37	1.46
482	7	346	533.57	12.69	-61.98	9.05	-58.34	-16.08	-41.77	-211.60	-155.06	-98.30	-80.03
		87	1523.15	11.57	-93.48	9.05	-90.97	-16.06	-12.01	-566.22	-551.97	-26.25	-87.69
		305	1491.65	17.86	-93.34	15.49	-90.97	-16.06	-28.86	-558.66	-558.55	-28.97	-7.65
		749	382.81	18.84	-61.69	15.49	-58.34	-16.08	-101.02	-161.64	-161.64	-101.02	0.01
482	8	346	455.46	22.00	1.19	10.86	12.33	-10.38	-34.93	-184.15	-142.29	-76.79	-67.04
		87	1367.99	11.83	-99.35	10.86	-98.38	-10.32	-5.53	-502.39	-491.78	-16.14	-71.83
		305	1344.22	19.53	-99.29	18.63	-98.38	-10.32	-17.40	-495.82	-495.80	-17.42	-3.22
		749	349.49	26.33	4.63	18.63	12.33	-10.38	-78.03	-146.34	-146.31	-78.07	1.58
482	9	346	386.61	8.45	-26.74	5.56	-23.86	-9.66	-29.53	-154.45	-113.72	-70.26	-58.56
		87	1111.30	6.68	-77.22	5.56	-76.10	-9.63	-7.03	-411.02	-400.98	-17.07	-62.89
		305	1086.86	11.71	-77.15	10.66	-76.10	-9.63	-18.52	-404.72	-404.67	-18.57	-4.26
		749	277.97	13.18	-26.37	10.66	-23.86	-9.66	-71.77	-117.41	-117.41	-71.77	0.07
482	10	346	415.47	14.87	-8.61	9.35	-3.09	-9.96	-32.37	-167.66	-127.10	-72.93	-61.98
		87	1233.91	10.41	-83.43	9.35	-82.37	-9.92	-6.23	-454.84	-444.63	-16.44	-66.91
		305	1210.96	17.01	-83.36	16.02	-82.37	-9.92	-18.00	-448.84	-448.81	-18.03	-3.65
		749	313.35	20.27	-7.34	16.02	-3.09	-9.96	-74.48	-131.31	-131.29	-74.51	1.28
482	11	346	380.31	8.04	-54.59	6.65	-53.21	-9.21	-29.89	-151.13	-111.32	-69.70	-56.94

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		87	1097.48	7.73	-72.23	6.65	-71.15	-9.20	-7.43	-406.34	-396.43	-17.34	-62.09
		305	1074.91	12.36	-72.17	11.35	-71.15	-9.20	-18.89	-400.86	-400.81	-18.94	-4.19
		749	274.20	12.64	-54.50	11.35	-53.21	-9.21	-71.27	-115.72	-115.70	-71.30	0.97
483	1	749	398.63	27.73	-31.15	15.59	-19.01	-23.82	-144.45	-152.93	-152.93	-144.46	-0.08
		305	1471.93	20.40	-102.11	15.59	-97.31	-23.78	-130.74	-592.86	-592.02	-131.58	19.64
		316	1472.37	-2.07	-103.24	-8.01	-97.31	-23.78	-89.34	-582.54	-579.01	-92.87	41.57
		747	353.87	10.94	-37.96	-8.01	-19.01	-23.82	-95.10	-150.56	-139.92	-105.75	21.84
483	2	749	412.27	25.53	-25.57	18.33	-18.36	-17.78	-145.54	-160.45	-160.45	-145.54	-0.02
		305	1543.39	20.63	-118.18	18.33	-115.88	-17.72	-131.38	-618.10	-617.18	-132.30	21.11
		316	1545.99	-2.45	-118.65	-5.22	-115.88	-17.72	-86.54	-606.89	-603.17	-90.26	43.86
		747	364.75	7.17	-30.75	-5.22	-18.36	-17.78	-93.72	-156.24	-146.45	-103.51	22.73
483	3	749	459.89	54.08	-9.89	25.22	18.97	-31.83	-151.89	-177.08	-176.85	-152.12	2.37
		305	1691.63	32.31	-116.88	25.22	-109.78	-31.76	-136.72	-674.66	-673.69	-137.68	22.77
		316	1695.20	8.49	-118.31	-0.04	-109.78	-31.76	-92.53	-664.06	-660.08	-96.51	47.53
		747	420.28	42.69	-23.75	-0.04	18.97	-31.83	-99.41	-174.78	-163.25	-110.94	27.13
483	4	749	423.40	36.84	-91.05	28.60	-82.81	-31.39	-142.12	-160.96	-160.48	-142.60	2.99
		305	1579.08	35.66	-110.97	28.60	-103.91	-31.38	-129.82	-629.06	-627.99	-130.90	23.12
		316	1580.60	11.78	-112.42	3.27	-103.91	-31.38	-87.96	-618.75	-614.77	-91.94	45.79
		747	376.10	13.50	-93.04	3.27	-82.81	-31.39	-91.78	-159.12	-147.26	-103.64	25.66
483	5	749	419.54	28.40	-102.96	20.96	-95.52	-30.36	-140.09	-154.14	-153.86	-140.38	1.97
		305	1501.93	27.70	-115.61	20.96	-108.87	-30.35	-127.31	-600.38	-599.43	-128.27	21.23
		316	1503.10	4.56	-116.99	-3.56	-108.87	-30.35	-87.18	-590.49	-586.76	-90.91	43.16
		747	368.14	5.56	-104.64	-3.56	-95.52	-30.36	-91.53	-152.69	-141.20	-103.02	23.89
483	6	749	410.09	22.87	-78.87	16.61	-72.61	-24.44	-142.01	-150.08	-149.79	-142.29	1.49
		305	1453.59	21.88	-96.65	16.61	-91.38	-24.43	-129.52	-585.67	-584.77	-130.41	20.19
		316	1453.34	-0.49	-97.95	-7.06	-91.38	-24.43	-90.26	-576.04	-572.44	-93.85	41.62
		747	361.04	1.05	-80.72	-7.06	-72.61	-24.44	-93.73	-149.46	-137.46	-105.73	22.91
483	7	749	406.86	27.32	-59.38	16.78	-48.84	-28.33	-145.22	-150.28	-150.28	-145.22	-0.04
		305	1455.22	24.52	-86.75	16.78	-79.00	-28.31	-132.70	-588.34	-587.61	-133.43	18.17
		316	1453.73	2.82	-88.80	-6.97	-79.00	-28.31	-94.48	-578.87	-575.60	-97.75	39.66
		747	357.76	7.32	-63.13	-6.97	-48.84	-28.33	-98.09	-149.72	-138.26	-109.54	21.45
483	8	749	355.54	44.26	-4.92	19.72	19.62	-24.59	-115.41	-137.30	-137.13	-115.58	1.89
		305	1307.60	25.06	-92.83	19.72	-87.49	-24.52	-103.96	-520.57	-519.83	-104.70	17.55
		316	1310.72	6.80	-93.87	0.42	-87.49	-24.52	-69.95	-512.40	-509.37	-72.99	36.54
		747	325.40	36.42	-16.37	0.42	19.62	-24.59	-75.37	-135.17	-126.67	-83.86	20.88
483	9	749	288.43	20.10	-25.92	11.66	-17.48	-17.81	-104.88	-109.41	-109.41	-104.88	0.09
		305	1057.23	15.55	-69.67	11.66	-65.79	-17.78	-94.82	-426.37	-425.77	-95.42	14.10
		316	1057.27	-0.55	-70.63	-5.40	-65.79	-17.78	-65.39	-419.08	-416.53	-67.94	29.95
		747	254.82	7.37	-30.24	-5.40	-17.48	-17.81	-69.19	-108.38	-100.17	-77.41	15.95
483	10	749	320.05	33.56	-12.92	17.01	3.63	-22.26	-108.98	-122.86	-122.70	-109.14	1.46
		305	1179.19	22.20	-77.92	17.01	-72.72	-22.21	-98.14	-471.81	-471.14	-98.81	15.83
		316	1180.99	5.35	-79.04	-0.97	-72.72	-22.21	-67.16	-464.37	-461.57	-69.96	33.27
		747	291.69	23.71	-21.05	-0.97	3.63	-22.26	-71.68	-121.74	-113.13	-80.29	18.89
483	11	749	295.00	17.33	-52.35	12.23	-47.25	-18.15	-103.46	-107.89	-107.67	-103.68	0.96
		305	1047.05	16.40	-66.67	12.23	-62.49	-18.14	-94.14	-422.37	-421.74	-94.77	14.40
		316	1046.72	0.37	-67.73	-4.87	-62.49	-18.14	-65.90	-415.47	-412.88	-68.49	29.98
		747	259.53	1.84	-53.96	-4.87	-47.25	-18.15	-68.40	-107.81	-98.81	-77.40	16.54
484	1	750	380.29	64.29	0.51	0.62	64.18	-2.68	20.86	-116.47	14.89	-110.51	-27.98
		749	325.08	0.96	-19.81	0.62	-19.47	-2.63	-41.78	-132.31	-42.29	-131.80	-6.82
		747	237.88	-0.70	-19.84	-1.07	-19.47	-2.63	-24.44	-93.98	-26.80	-91.61	-12.61
		729	319.28	64.29	-1.18	-1.07	64.18	-2.68	40.66	-80.61	30.38	-70.33	-33.78
484	2	750	387.59	77.15	0.85	0.87	77.14	-1.07	21.47	-115.65	15.24	-109.42	-28.56
		749	322.62	0.92	-19.16	0.87	-19.11	-1.01	-44.16	-132.03	-44.68	-131.51	-6.74
		747	231.26	-0.48	-19.16	-0.53	-19.11	-1.01	-26.10	-92.13	-28.65	-89.58	-12.72
		729	324.04	77.15	-0.55	-0.53	77.14	-1.07	42.15	-78.38	31.27	-67.49	-34.54
484	3	750	434.23	131.84	1.82	2.06	131.60	-5.57	21.93	-120.60	16.12	-114.79	-28.19
		749	335.63	19.37	0.32	2.06	17.62	-5.50	-49.42	-138.92	-49.69	-138.65	-4.97
		747	234.96	19.20	-1.56	0.01	17.62	-5.50	-30.52	-95.59	-32.57	-93.54	-11.38
		729	361.19	131.83	-0.22	0.01	131.60	-5.57	43.79	-80.23	33.24	-69.68	-34.60
484	4	750	375.46	4.45	-67.35	3.90	-66.80	-6.30	21.50	-111.64	15.95	-106.09	-26.61
		749	361.23	4.34	-84.86	3.90	-84.41	-6.29	-43.04	-130.27	-43.26	-130.05	-4.36
		747	268.45	1.14	-84.88	0.68	-84.41	-6.29	-24.99	-89.72	-26.97	-87.75	-11.13
		729	313.28	1.26	-67.38	0.68	-66.80	-6.30	42.71	-74.25	32.24	-63.78	-33.38
484	5	750	378.36	2.72	-75.31	2.34	-74.93	-5.43	20.85	-111.56	15.35	-106.06	-26.43
		749	365.52	2.63	-96.71	2.34	-96.41	-5.41	-41.47	-128.66	-41.76	-128.38	-5.00
		747	276.52	-0.07	-96.72	-0.37	-96.41	-5.41	-24.11	-89.78	-26.09	-87.80	-11.21
		729	316.89	0.02	-75.32	-0.37	-74.93	-5.43	41.02	-75.49	31.02	-65.49	-32.64
484	6	750	361.75	1.54	-41.46	1.26	-41.18	-3.48	20.54	-113.84	15.28	-108.58	-26.05
		749	357.31	1.42	-73.29	1.26	-73.13	-3.46	-39.90	-130.99	-40.20	-130.69	-5.21
		747	269.69	-0.71	-73.30	-0.87	-73.13	-3.46	-22.97	-92.65	-24.90	-90.72	-11.42
		729	302.12	-0.57	-41.47	-0.87	-41.18	-3.48	40.15	-78.18	30.58	-68.61	-32.26
484	7	750	352.33	3.65	-10.36	1.35	-8.06	-5.19	21.11	-117.38	15.39	-111.66	-27.57

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		749	351.63	1.87	-49.89	1.35	-49.37	-5.16	-39.72	-134.57	-40.21	-134.08	-6.80
		747	265.02	-0.42	-49.92	-0.97	-49.37	-5.16	-22.51	-96.34	-24.92	-93.93	-13.13
		729	295.57	1.77	-10.80	-0.97	-8.06	-5.19	40.89	-81.73	30.67	-71.51	-33.89
484	8	750	336.80	112.34	1.43	1.60	112.17	-4.28	16.62	-91.36	12.14	-86.88	-21.54
		749	256.98	19.54	0.60	1.60	18.54	-4.22	-38.77	-105.28	-38.99	-105.07	-3.75
		747	179.80	19.46	-0.86	0.06	18.54	-4.22	-24.28	-72.14	-25.87	-70.54	-8.59
		729	280.34	112.34	-0.11	0.06	112.17	-4.28	33.37	-60.48	25.25	-52.36	-26.38
484	9	750	269.17	35.29	0.45	0.60	35.13	-2.32	15.19	-84.67	11.00	-80.48	-20.03
		749	239.88	0.88	-18.12	0.60	-17.84	-2.29	-29.41	-96.41	-29.75	-96.07	-4.76
		747	176.59	-0.41	-18.14	-0.71	-17.84	-2.29	-16.91	-68.55	-18.56	-66.90	-9.06
		729	225.46	35.28	-0.86	-0.71	35.13	-2.32	29.52	-58.63	22.20	-51.31	-24.33
484	10	750	299.05	72.80	1.19	1.40	72.59	-3.92	15.80	-86.97	11.68	-82.85	-20.15
		749	236.51	6.03	-1.86	1.40	2.77	-3.88	-33.65	-100.09	-33.86	-99.87	-3.74
		747	165.66	5.47	-2.81	-0.11	2.77	-3.88	-20.29	-69.44	-21.76	-67.97	-8.38
		729	248.54	72.80	-0.32	-0.11	72.59	-3.92	31.26	-58.42	23.78	-50.95	-24.79
484	11	750	260.38	1.27	-23.71	0.96	-23.40	-2.77	15.02	-83.21	11.21	-79.40	-18.96
		749	257.86	1.11	-47.81	0.96	-47.65	-2.75	-28.36	-95.68	-28.59	-95.46	-3.87
		747	194.34	-0.44	-47.81	-0.60	-47.65	-2.75	-16.09	-67.81	-17.50	-66.41	-8.40
		729	217.44	-0.27	-23.73	-0.60	-23.40	-2.77	29.24	-57.29	22.30	-50.36	-23.49
485	1	747	293.57	11.78	-28.45	-6.92	-9.75	-20.07	-79.26	-123.78	-105.11	-97.93	21.97
		316	1526.45	-2.26	-92.98	-6.92	-88.32	-20.02	-140.04	-622.92	-618.91	-144.05	43.82
		303	1547.38	-22.23	-94.38	-28.30	-88.32	-20.02	-61.00	-604.66	-600.20	-65.46	49.01
		745	247.99	3.08	-41.13	-28.30	-9.75	-20.06	-9.71	-96.02	-86.40	-19.33	27.16
485	2	747	300.40	8.26	-23.16	-4.36	-10.54	-15.40	-79.49	-127.63	-110.91	-96.20	22.92
		316	1599.21	-2.17	-111.64	-4.36	-109.44	-15.34	-139.74	-648.38	-644.16	-143.96	46.12
		303	1624.90	-23.12	-112.17	-25.85	-109.44	-15.34	-56.44	-629.05	-624.37	-61.12	51.55
		745	266.90	-1.00	-35.40	-25.85	-10.54	-15.40	-4.13	-100.36	-91.12	-13.36	28.34
485	3	747	351.36	51.78	-19.32	1.33	31.13	-32.28	-81.58	-141.56	-123.76	-99.39	27.41
		316	1757.02	10.76	-108.60	1.33	-99.17	-32.20	-146.03	-709.00	-704.55	-150.48	49.89
		303	1783.47	-10.73	-110.89	-22.45	-99.17	-32.20	-61.23	-689.93	-684.88	-66.28	56.11
		745	306.80	46.29	-37.60	-22.45	31.13	-32.28	-3.90	-115.37	-104.09	-15.18	33.62
485	4	747	305.37	16.98	-83.43	4.47	-70.92	-33.16	-74.84	-128.74	-109.56	-94.02	25.81
		316	1640.11	14.44	-105.68	4.47	-95.71	-33.14	-140.75	-662.09	-657.60	-145.24	48.18
		303	1663.19	-6.36	-108.00	-18.65	-95.71	-33.14	-59.25	-643.21	-638.36	-64.11	53.04
		745	296.07	-2.57	-87.01	-18.65	-70.92	-33.16	-2.22	-100.99	-90.32	-12.89	30.66
485	5	747	305.46	6.69	-93.49	-2.33	-84.47	-28.68	-74.91	-124.34	-105.37	-93.89	24.04
		316	1558.67	5.50	-107.31	-2.33	-99.48	-28.67	-137.75	-631.73	-627.52	-141.96	45.42
		303	1580.72	-14.66	-109.17	-24.35	-99.48	-28.67	-59.56	-613.70	-609.10	-64.16	50.29
		745	278.11	-12.87	-95.95	-24.35	-84.47	-28.68	-5.79	-97.25	-86.95	-16.08	28.91
485	6	747	299.87	0.82	-70.29	-6.04	-63.42	-21.00	-75.97	-122.50	-102.39	-96.08	23.05
		316	1509.54	-0.72	-88.91	-6.04	-83.59	-20.99	-138.99	-616.21	-612.15	-143.05	43.83
		303	1529.17	-20.23	-90.54	-27.19	-83.59	-20.99	-62.41	-598.62	-594.18	-66.84	48.58
		745	253.06	-17.57	-73.04	-27.19	-63.42	-21.00	-9.56	-94.74	-84.42	-19.88	27.80
485	7	747	292.40	7.59	-52.14	-5.91	-38.64	-24.98	-79.11	-122.41	-102.71	-98.81	21.56
		316	1512.64	2.53	-79.81	-5.91	-71.38	-24.96	-142.34	-619.27	-615.56	-146.05	41.92
		303	1530.47	-15.97	-82.63	-27.22	-71.38	-24.96	-66.37	-601.94	-597.84	-70.47	46.70
		745	244.72	-7.30	-58.55	-27.22	-38.64	-24.98	-13.52	-94.70	-84.99	-23.23	26.34
485	8	747	272.53	43.98	-13.44	1.49	29.05	-25.19	-62.22	-109.47	-96.49	-75.20	21.09
		316	1357.53	8.68	-86.26	1.49	-79.07	-25.12	-110.99	-546.79	-543.39	-114.39	38.35
		303	1378.40	-7.91	-87.94	-16.78	-79.07	-25.12	-45.93	-532.17	-528.30	-49.80	43.18
		745	241.56	40.18	-27.92	-16.78	29.05	-25.19	-2.14	-89.87	-81.40	-10.61	25.92
485	9	747	210.80	7.92	-23.19	-4.62	-10.66	-15.26	-56.78	-89.09	-74.78	-71.09	16.05
		316	1097.52	-0.68	-63.56	-4.62	-59.62	-15.23	-101.59	-448.37	-445.47	-104.49	31.57
		303	1112.05	-14.85	-64.80	-20.04	-59.62	-15.23	-44.95	-435.33	-432.12	-48.16	35.27
		745	175.31	0.62	-31.31	-20.04	-10.66	-15.26	-7.53	-68.67	-61.43	-14.76	19.75
485	10	747	242.86	28.87	-16.85	-0.04	12.06	-22.04	-58.34	-98.70	-85.14	-71.90	19.07
		316	1225.51	6.65	-72.34	-0.04	-65.65	-22.00	-104.92	-496.19	-493.04	-108.07	34.94
		303	1243.16	-8.34	-74.09	-16.78	-65.65	-22.00	-45.08	-482.70	-479.16	-48.62	39.21
		745	209.90	23.98	-28.70	-16.78	12.06	-22.04	-4.32	-79.39	-71.26	-12.46	23.34
485	11	747	214.60	1.76	-46.37	-4.13	-40.47	-15.78	-54.94	-88.39	-73.27	-70.06	16.65
		316	1088.13	0.21	-61.34	-4.13	-56.99	-15.77	-101.01	-444.64	-441.71	-103.93	31.58
		303	1101.95	-13.68	-62.74	-19.42	-56.99	-15.77	-45.73	-431.97	-428.77	-48.94	35.03
		745	180.12	-10.98	-48.92	-19.42	-40.47	-15.78	-7.42	-67.97	-60.33	-15.06	20.10
486	1	729	265.62	61.35	-0.59	-0.54	61.31	-1.74	24.58	-74.11	7.30	-56.83	-37.51
		747	255.90	-0.17	-8.24	-0.54	-7.87	-1.70	-1.09	-94.50	-2.30	-93.29	-10.53
		745	130.07	-3.06	-8.47	-3.66	-7.87	-1.70	38.93	-14.85	22.65	1.43	-24.71
		705	270.60	61.35	-3.71	-3.66	61.31	-1.74	86.84	-16.69	32.25	37.89	-51.69
486	2	729	267.74	73.03	-0.17	-0.17	73.03	-0.49	26.05	-71.77	7.36	-53.09	-38.45
		747	248.46	-0.15	-8.94	-0.17	-8.92	-0.44	-1.89	-91.90	-3.14	-90.65	-10.54
		745	127.85	-3.28	-8.95	-3.31	-8.92	-0.44	41.40	-11.05	22.70	7.65	-25.12
		705	285.90	73.03	-3.31	-3.31	73.03	-0.49	92.57	-14.15	33.21	45.21	-53.02
486	3	729	300.55	131.98	0.65	0.90	131.74	-5.69	26.30	-73.80	7.69	-55.19	-38.95

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		747	271.33	33.29	-0.08	0.90	32.31	-5.63	-4.65	-96.46	-5.52	-95.59	-8.90
		745	131.15	33.18	-3.91	-3.03	32.31	-5.63	41.54	-8.87	22.32	10.35	-24.49
		705	323.27	131.97	-3.27	-3.03	131.74	-5.69	98.20	-11.92	35.52	50.75	-54.53
486	4	729	260.33	2.41	-65.59	1.66	-64.84	-7.13	26.27	-67.93	7.92	-49.59	-37.30
		747	289.81	2.36	-70.82	1.66	-70.12	-7.13	-0.30	-90.83	-1.20	-89.93	-8.97
		745	144.71	-2.22	-70.87	-2.97	-70.12	-7.13	43.31	-8.43	25.04	9.84	-24.73
		705	282.19	-2.16	-65.65	-2.97	-64.84	-7.13	95.84	-11.49	34.16	50.19	-53.06
486	5	729	265.11	0.84	-74.72	0.47	-74.35	-5.29	24.94	-69.31	7.69	-52.07	-36.44
		747	297.79	0.80	-83.35	0.47	-83.01	-5.28	-0.50	-91.02	-1.42	-90.10	-9.09
		745	146.16	-3.07	-83.36	-3.41	-83.01	-5.28	40.42	-10.69	23.86	5.87	-23.92
		705	272.21	-3.02	-74.74	-3.41	-74.35	-5.29	90.00	-13.12	32.98	43.90	-51.27
486	6	729	252.73	-0.09	-42.85	-0.27	-42.67	-2.78	24.10	-71.74	7.79	-55.43	-36.01
		747	290.67	-0.15	-61.76	-0.27	-61.64	-2.77	0.19	-93.54	-0.74	-92.61	-9.30
		745	141.99	-3.49	-61.77	-3.63	-61.64	-2.77	39.22	-13.33	24.04	1.85	-23.82
		705	258.23	-3.43	-42.87	-3.63	-42.67	-2.78	86.43	-14.84	32.57	39.02	-50.53
486	7	729	248.46	1.87	-9.87	-0.20	-7.80	-4.48	24.90	-75.40	7.86	-58.36	-37.66
		747	284.56	0.33	-37.40	-0.20	-36.86	-4.46	0.50	-97.07	-0.75	-95.81	-10.99
		745	146.43	-3.14	-37.45	-3.73	-36.86	-4.46	40.06	-16.93	24.06	-0.93	-25.61
		705	262.10	-0.85	-10.68	-3.73	-7.80	-4.48	86.92	-17.72	32.67	36.52	-52.28
486	8	729	233.57	112.44	0.57	0.74	112.27	-4.41	20.07	-55.65	5.68	-41.26	-29.71
		747	207.10	30.54	0.10	0.74	29.90	-4.37	-4.49	-72.77	-5.15	-72.11	-6.69
		745	100.31	30.48	-2.85	-2.27	29.90	-4.37	31.46	-6.35	16.16	8.94	-18.56
		705	252.64	112.44	-2.44	-2.27	112.27	-4.41	75.46	-8.67	26.99	39.80	-41.58
486	9	729	187.34	33.66	-0.38	-0.29	33.57	-1.72	17.82	-53.92	5.51	-41.60	-27.05
		747	190.34	0.01	-9.64	-0.29	-9.33	-1.69	-0.01	-68.99	-0.85	-68.16	-7.53
		745	96.60	-2.22	-9.74	-2.62	-9.33	-1.69	28.64	-10.81	17.23	0.60	-17.89
		705	193.56	33.66	-2.70	-2.62	33.57	-1.72	62.81	-12.08	23.58	27.15	-37.41
486	10	729	206.41	72.91	0.30	0.51	72.70	-3.91	18.76	-53.73	5.72	-40.69	-27.85
		747	192.02	14.09	-0.59	0.51	12.99	-3.88	-1.99	-70.09	-2.64	-69.43	-6.63
		745	94.55	13.91	-3.20	-2.27	12.99	-3.88	29.97	-7.37	17.04	5.55	-17.77
		705	220.84	72.91	-2.47	-2.27	72.70	-3.91	69.09	-9.39	25.40	34.30	-38.99
486	11	729	181.90	0.08	-24.41	-0.14	-24.19	-2.29	17.55	-52.60	5.78	-40.83	-26.22
		747	209.68	-6.42e-03	-39.34	-0.14	-39.21	-2.29	0.70	-68.47	0.02	-67.78	-6.85
		745	103.47	-2.46	-39.35	-2.60	-39.21	-2.29	28.81	-9.98	18.00	0.83	-17.39
		705	185.58	-2.36	-24.43	-2.60	-24.19	-2.29	62.59	-11.05	23.76	27.78	-36.76
487	1	745	363.97	-4.45	-27.41	-27.22	-4.64	-2.09	123.57	-21.63	5.95	95.99	56.96
		303	1702.11	-26.86	-84.80	-27.54	-84.13	-6.22	-131.87	-693.12	-682.52	-142.47	76.40
		293	1811.26	-29.87	-84.63	-30.32	-84.17	-4.98	19.67	-665.49	-665.40	19.57	8.02
		746	667.75	-4.17	-30.85	-30.43	-4.59	-3.32	258.58	22.53	23.08	258.03	-11.42
487	2	745	393.20	-6.93	-24.69	-24.59	-7.03	1.30	132.93	-23.57	3.92	105.43	59.55
		303	1781.59	-24.77	-108.25	-24.96	-108.06	-3.95	-130.48	-720.19	-709.09	-141.58	80.16
		293	1900.47	-27.94	-108.19	-28.01	-108.12	-2.38	27.01	-691.10	-690.98	26.89	9.33
		746	708.58	-6.96	-28.11	-28.11	-6.96	-0.27	274.41	21.52	22.03	273.91	-11.27
487	3	745	453.05	44.60	-25.31	-21.47	40.76	-15.93	146.99	-31.59	-0.57	115.97	67.66
		303	1956.39	-15.19	-97.43	-22.05	-90.57	-22.74	-137.70	-788.19	-776.24	-149.65	87.35
		293	2075.54	-21.13	-96.81	-27.30	-90.64	-20.71	26.63	-759.06	-758.89	26.46	11.57
		746	795.37	45.26	-31.96	-27.53	40.83	-17.96	292.33	16.55	16.79	292.09	-8.12
487	4	745	447.70	-8.25	-69.55	-18.84	-58.96	-23.17	140.56	-20.45	9.43	110.69	62.59
		303	1830.63	-11.40	-96.65	-19.29	-88.76	-24.71	-134.01	-738.46	-727.02	-145.45	82.36
		293	1942.71	-16.33	-96.87	-24.46	-88.74	-24.25	24.61	-709.81	-709.71	24.51	8.74
		746	748.04	-12.75	-71.06	-24.82	-58.99	-23.62	281.12	26.26	26.74	280.64	-11.03
487	5	745	422.72	-19.72	-79.47	-24.29	-74.90	-15.89	130.58	-21.05	7.55	101.98	59.32
		303	1738.38	-20.68	-97.06	-24.59	-93.16	-16.83	-130.50	-703.86	-693.02	-141.34	78.08
		293	1848.32	-24.06	-97.11	-28.03	-93.14	-16.55	21.38	-676.53	-676.44	21.28	8.19
		746	718.20	-23.22	-79.97	-28.27	-74.91	-16.17	265.06	23.67	24.13	264.60	-10.57
487	6	745	389.71	-25.66	-58.34	-26.74	-57.25	-5.85	124.86	-20.55	7.65	96.66	57.50
		303	1684.46	-26.06	-80.91	-26.97	-79.99	-7.03	-131.05	-686.26	-675.77	-141.54	75.60
		293	1792.07	-28.66	-80.86	-29.52	-79.99	-6.68	17.79	-659.66	-659.58	17.72	7.07
		746	684.16	-28.36	-58.59	-29.69	-57.26	-6.20	256.44	23.32	23.84	255.92	-11.03
487	7	745	372.16	-20.02	-38.24	-26.86	-31.40	-8.82	122.34	-19.73	7.72	94.89	56.09
		303	1691.06	-24.48	-70.39	-27.12	-67.74	-10.70	-134.47	-690.06	-680.06	-144.46	73.85
		293	1795.32	-27.35	-70.29	-29.90	-67.75	-10.14	14.88	-664.18	-664.14	14.85	5.03
		746	662.92	-21.32	-40.13	-30.07	-31.39	-9.38	254.90	22.94	23.64	254.20	-12.73
487	8	745	353.34	39.46	-18.88	-15.97	36.55	-12.70	113.06	-25.71	-2.20	89.55	52.06
		303	1510.18	-10.93	-77.46	-16.44	-71.95	-18.33	-104.61	-607.38	-598.21	-113.78	67.27
		293	1601.83	-15.74	-76.94	-20.66	-72.01	-16.65	21.25	-585.03	-584.88	21.10	9.38
		746	616.69	40.00	-24.24	-20.84	36.61	-14.38	224.59	10.97	11.13	224.43	-5.84
487	9	745	262.87	-6.06	-19.92	-19.39	-6.59	-2.65	89.81	-14.65	5.65	69.51	41.33
		303	1225.16	-18.88	-57.55	-19.61	-56.82	-5.26	-95.76	-499.41	-491.77	-103.40	54.98
		293	1303.37	-21.05	-57.41	-21.61	-56.85	-4.48	13.46	-479.70	-479.64	13.40	5.31
		746	478.73	-5.82	-22.44	-21.70	-6.56	-3.43	186.72	17.37	17.78	186.31	-8.34
487	10	745	309.13	21.48	-19.03	-16.19	18.64	-10.34	102.79	-20.15	2.03	80.61	47.27

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		303	1366.35	-12.23	-64.73	-16.56	-60.40	-14.44	-99.01	-552.22	-543.84	-107.39	61.07
		293	1450.14	-16.00	-64.38	-19.93	-60.45	-13.22	17.33	-531.68	-531.58	17.23	7.28
		746	549.52	21.87	-23.27	-20.09	18.68	-11.56	205.45	14.06	14.28	205.23	-6.51
487	11	745	279.01	-17.87	-37.07	-19.12	-35.82	-4.74	90.53	-14.05	6.59	69.88	41.63
		303	1215.36	-18.39	-55.43	-19.29	-54.53	-5.71	-95.31	-495.60	-488.02	-102.88	54.54
		293	1292.71	-20.31	-55.39	-21.17	-54.53	-5.42	12.42	-476.46	-476.41	12.38	4.78
		746	490.27	-19.72	-37.39	-21.29	-35.82	-5.03	185.53	17.80	18.20	185.14	-8.13
488	1	705	335.38	56.92	-3.86	-3.78	56.85	-2.15	72.55	-62.62	-30.69	40.61	-57.42
		745	382.26	2.19	-4.41	-4.24	2.02	1.07	160.37	47.20	108.00	99.57	-56.43
		746	614.72	1.95	1.34	1.35	1.95	0.06	264.92	114.63	122.93	256.63	-34.32
		728	609.40	56.94	1.04	1.07	56.92	-1.14	203.36	-21.45	-15.76	197.67	-35.30
488	2	705	359.56	67.26	-3.75	-3.70	67.22	-1.83	79.72	-63.52	-32.04	48.24	-59.32
		745	401.43	1.38	-5.01	-4.24	0.61	2.08	168.68	52.19	111.18	109.69	-58.24
		746	650.24	2.57	0.17	2.21	0.52	0.86	280.46	118.67	126.69	272.43	-35.12
		728	651.98	67.31	1.89	1.90	67.30	-0.60	216.61	-22.15	-16.53	210.99	-36.19
488	3	705	414.15	132.00	-3.15	-2.34	131.19	-10.43	84.49	-67.21	-35.57	52.84	-61.64
		745	435.64	48.07	-3.44	-2.84	47.47	-5.51	177.97	58.19	117.63	118.54	-59.89
		746	728.59	48.43	1.67	2.76	47.34	-7.06	301.62	127.34	134.76	294.20	-35.18
		728	744.13	131.93	1.92	2.53	131.33	-8.88	233.91	-23.85	-18.44	228.51	-36.94
488	4	705	358.35	-1.16	-61.33	-1.37	-61.12	-3.55	83.19	-62.78	-32.18	52.59	-59.42
		745	422.34	-1.40	-58.14	-1.65	-57.89	-3.75	173.39	55.48	114.82	114.05	-58.95
		746	698.46	2.84	-58.07	2.61	-57.85	-3.68	287.30	121.88	130.14	279.04	-36.03
		728	666.09	2.52	-61.37	2.31	-61.16	-3.62	223.13	-22.41	-16.86	217.57	-36.50
488	5	705	346.27	-2.40	-73.06	-2.40	-73.05	-0.42	76.82	-61.35	-30.94	46.41	-57.25
		745	406.35	-2.67	-72.77	-2.67	-72.77	-0.45	163.76	51.21	110.18	104.79	-56.21
		746	672.53	1.30	-72.74	1.29	-72.74	-0.43	272.27	117.22	125.34	264.16	-34.53
		728	641.23	1.03	-73.09	1.02	-73.09	-0.44	211.35	-21.36	-15.78	205.78	-35.57
488	6	705	324.54	-3.21	-44.46	-3.25	-44.42	1.29	72.36	-61.22	-30.29	41.43	-56.35
		745	392.49	-3.50	-53.65	-3.56	-53.59	1.81	159.46	48.56	108.93	99.08	-55.23
		746	642.75	0.87	-53.62	0.82	-53.57	1.65	264.22	115.77	123.92	256.07	-33.82
		728	602.88	0.58	-44.48	0.53	-44.43	1.45	203.99	-20.87	-15.30	198.42	-34.94
488	7	705	312.57	-2.29	-8.49	-3.06	-7.71	-2.05	71.71	-63.30	-30.31	38.72	-58.02
		745	387.93	-3.36	-27.55	-3.40	-27.52	-0.89	160.49	45.65	109.44	96.70	-57.07
		746	625.14	1.18	-27.58	1.13	-27.53	-1.25	263.46	115.32	124.39	254.39	-35.52
		728	575.42	1.18	-8.03	0.86	-7.71	-1.69	202.51	-21.46	-15.36	196.40	-36.47
488	8	705	324.26	112.40	-2.41	-1.76	111.75	-8.62	65.27	-51.35	-27.45	41.38	-47.07
		745	335.33	42.40	-2.61	-2.15	41.94	-4.51	136.12	44.68	89.11	91.69	-45.70
		746	563.01	42.66	1.37	2.21	41.83	-5.81	231.58	96.72	102.24	226.05	-26.74
		728	579.29	112.35	1.55	2.04	111.86	-7.32	179.81	-18.39	-14.32	175.74	-28.11
488	9	705	238.43	31.23	-2.64	-2.56	31.15	-1.62	52.26	-45.34	-22.11	29.02	-41.56
		745	277.74	-2.12	-3.03	-2.87	-2.28	0.35	116.39	34.40	79.12	71.68	-40.83
		746	445.38	1.00	-2.34	0.98	-2.32	-0.27	191.82	83.89	89.97	185.74	-24.88
		728	434.64	31.22	0.74	0.78	31.19	-1.00	147.23	-15.40	-11.26	143.09	-25.62
488	10	705	281.07	72.97	-2.28	-1.76	72.45	-6.22	58.86	-47.86	-24.82	35.82	-43.91
		745	305.16	23.40	-2.53	-2.10	22.97	-3.31	126.10	40.58	84.47	82.21	-42.75
		746	505.92	23.71	0.95	1.76	22.90	-4.22	212.18	90.98	96.54	206.61	-25.36
		728	509.41	72.92	1.20	1.59	72.53	-5.30	164.19	-16.73	-12.75	160.22	-26.53
488	11	705	231.69	-2.26	-25.11	-2.27	-25.11	0.29	52.15	-44.56	-21.89	29.48	-40.97
		745	283.24	-2.48	-33.19	-2.50	-33.17	0.76	115.89	35.15	79.64	71.40	-40.16
		746	462.09	0.70	-33.18	0.68	-33.16	0.62	191.43	84.52	90.52	185.43	-24.61
		728	431.47	0.49	-25.12	0.48	-25.12	0.44	147.58	-15.08	-11.01	143.50	-25.62
489	1	746	576.15	-2.66	-32.34	-31.77	-3.22	4.04	216.04	5.01	9.69	211.36	-31.06
		293	1817.31	-34.04	-93.19	-34.12	-93.12	2.12	17.84	-668.50	-667.48	16.82	-26.47
		319	1767.13	2.55	-92.76	2.54	-92.76	0.67	-134.76	-711.35	-698.97	-147.15	-83.60
		748	445.71	4.29	-7.42	0.45	-3.58	5.50	107.53	-81.94	-21.81	47.39	-88.19
489	2	746	608.81	-4.46	-30.48	-29.65	-5.29	4.58	227.95	2.82	7.38	223.39	-31.69
		293	1903.26	-32.04	-118.08	-32.10	-118.03	2.16	23.50	-693.75	-692.80	22.56	-26.03
		319	1843.93	5.73	-117.64	5.73	-117.64	0.35	-133.07	-736.81	-724.61	-145.26	-84.94
		748	468.25	6.86	-8.94	3.60	-5.68	6.39	114.60	-83.46	-24.44	55.57	-90.60
489	3	746	702.54	55.14	-31.60	-28.44	51.98	-16.24	245.10	-1.25	2.68	241.17	-30.89
		293	2078.61	-25.38	-100.01	-30.83	-94.56	-19.41	23.43	-763.05	-762.19	22.58	-25.98
		319	2009.28	9.72	-98.70	5.17	-94.15	-21.75	-151.71	-810.58	-798.06	-164.23	-89.95
		748	511.33	55.28	-0.53	3.19	51.57	-13.91	115.07	-93.89	-33.19	54.37	-94.87
489	4	746	643.51	-11.97	-62.92	-24.25	-50.64	-21.79	238.24	9.73	13.98	233.99	-30.87
		293	1953.45	-19.55	-101.50	-26.41	-94.64	-22.69	25.59	-713.94	-712.76	24.41	-29.49
		319	1893.76	13.50	-99.44	8.41	-94.34	-23.43	-142.64	-763.02	-749.29	-156.37	-91.27
		748	474.66	13.27	-57.84	6.37	-50.94	-21.05	115.42	-84.76	-22.55	53.20	-92.65
489	5	746	624.61	-26.20	-73.18	-28.41	-70.98	-9.93	224.64	7.44	11.78	220.30	-30.38
		293	1859.35	-29.07	-104.85	-30.58	-103.34	-10.58	21.69	-680.26	-679.19	20.63	-27.31
		319	1803.91	5.79	-104.19	4.65	-103.05	-11.14	-135.75	-725.39	-712.51	-148.64	-86.20
		748	457.49	3.74	-72.44	2.57	-71.26	-9.37	111.12	-81.62	-21.54	51.03	-89.28
489	6	746	595.09	-30.32	-56.75	-30.44	-56.63	1.80	215.61	6.22	10.90	210.94	-30.94

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		293	1802.84	-32.62	-93.19	-32.64	-93.17	1.06	17.90	-662.69	-661.62	16.83	-26.98
		319	1753.88	2.96	-92.88	2.96	-92.88	0.43	-134.04	-705.99	-693.32	-146.71	-84.17
		748	455.37	0.97	-57.03	0.86	-56.93	2.42	107.80	-81.20	-20.80	47.40	-88.14
489	7	746	575.49	-28.15	-31.95	-30.86	-29.24	-1.72	214.99	5.51	10.77	209.72	-32.78
		293	1807.08	-32.93	-79.93	-33.09	-79.76	-2.77	15.93	-667.40	-666.15	14.68	-29.23
		319	1761.87	2.94	-79.61	2.79	-79.45	-3.61	-137.17	-711.79	-698.41	-150.55	-86.65
		748	450.75	0.72	-29.58	0.69	-29.55	-0.88	107.54	-84.54	-21.50	44.50	-90.19
489	8	746	545.53	48.48	-24.16	-21.55	45.87	-13.52	188.16	-2.51	0.36	185.29	-23.23
		293	1603.20	-18.70	-78.96	-23.38	-74.28	-16.12	18.19	-588.19	-587.57	17.58	-19.34
		319	1548.44	7.88	-77.93	3.91	-73.96	-18.03	-116.28	-624.40	-615.03	-125.64	-68.36
		748	394.79	48.47	-0.50	2.42	45.55	-11.61	87.58	-72.62	-27.10	42.07	-72.25
489	9	746	413.84	-5.22	-22.75	-22.56	-5.41	1.81	156.39	4.66	8.15	152.90	-22.74
		293	1308.85	-24.23	-63.77	-24.24	-63.76	0.57	12.87	-481.85	-481.07	12.09	-19.63
		319	1273.43	2.12	-63.51	2.12	-63.51	-0.38	-97.82	-513.19	-504.02	-106.99	-61.04
		748	322.26	1.65	-6.70	0.61	-5.66	2.76	78.11	-59.09	-14.80	33.83	-64.15
489	10	746	483.95	27.12	-22.58	-20.71	25.25	-9.46	172.51	1.21	4.26	169.46	-22.65
		293	1453.94	-19.53	-67.44	-22.41	-64.56	-11.39	15.97	-534.37	-533.69	15.29	-19.35
		319	1407.82	5.92	-66.62	3.58	-64.28	-12.83	-107.25	-568.30	-559.07	-116.47	-64.57
		748	356.80	27.51	-0.41	2.13	24.97	-8.02	82.25	-65.67	-21.13	37.70	-67.86
489	11	746	426.02	-21.80	-35.11	-21.82	-35.09	0.56	156.16	5.33	8.82	152.67	-22.67
		293	1300.82	-23.42	-63.79	-23.42	-63.79	-0.02	12.90	-478.62	-477.81	12.09	-19.91
		319	1266.08	2.36	-63.58	2.35	-63.57	-0.51	-97.41	-510.21	-500.88	-106.74	-61.36
		748	327.46	0.87	-35.33	0.84	-35.30	1.05	78.27	-58.68	-14.24	33.83	-64.12
490	1	728	562.63	58.96	2.75	2.77	58.94	-1.00	196.82	0.46	0.47	196.82	-1.10
		746	578.26	2.26	-4.29	2.25	-4.28	0.26	248.18	104.42	105.70	246.90	-13.50
		748	163.11	-2.44	-5.37	-3.71	-4.10	1.46	69.81	37.05	67.05	39.81	9.09
		730	147.16	58.84	-4.12	-4.04	58.76	-2.19	1.41	-49.86	-38.18	-10.27	21.50
490	2	728	604.73	69.34	3.81	3.83	69.32	-1.18	210.13	0.43	0.43	210.13	-0.82
		746	613.98	3.22	-7.31	3.21	-7.30	0.35	262.40	107.34	108.56	261.18	-13.71
		748	169.99	-3.11	-7.89	-3.92	-7.08	1.79	72.04	43.73	68.58	47.19	9.27
		730	163.57	69.20	-4.41	-4.31	69.11	-2.63	6.75	-50.15	-39.55	-3.86	22.16
490	3	728	695.08	141.97	5.07	5.82	141.22	-10.08	225.90	-0.39	-0.37	225.89	1.71
		746	686.20	47.98	3.40	4.96	46.42	-8.19	282.97	114.39	115.29	282.06	-12.31
		748	182.47	47.47	-5.82	-5.05	46.69	-6.40	77.38	41.55	71.58	47.35	13.20
		730	201.91	141.90	-6.57	-5.61	140.95	-11.87	5.98	-58.88	-44.09	-8.82	27.22
490	4	728	610.27	3.82	-51.78	3.35	-51.31	-5.09	215.77	0.33	0.33	215.77	-0.61
		746	658.27	3.49	-53.30	3.03	-52.85	-5.07	269.82	110.62	111.76	268.67	-13.43
		748	186.41	-1.11	-53.30	-1.60	-52.81	-5.03	74.98	44.14	70.94	48.18	10.41
		730	164.29	-1.39	-51.87	-1.91	-51.35	-5.13	6.71	-51.93	-40.50	-4.72	23.24
490	5	728	590.70	1.72	-67.54	1.71	-67.53	-0.70	204.68	0.53	0.53	204.68	-0.74
		746	638.31	1.50	-71.22	1.49	-71.21	-0.63	256.51	106.88	108.09	255.30	-13.40
		748	181.22	-1.61	-71.19	-1.61	-71.18	-0.56	71.89	41.24	68.70	44.43	9.36
		730	157.33	-1.81	-67.57	-1.82	-67.56	-0.78	4.89	-49.94	-38.86	-6.19	22.02
490	6	728	554.05	1.14	-42.98	1.06	-42.90	1.79	197.35	0.90	0.90	197.35	-0.66
		746	607.09	0.92	-55.81	0.85	-55.74	2.04	247.32	105.35	106.62	246.06	-13.35
		748	170.16	-1.83	-55.79	-1.93	-55.69	2.28	70.18	37.56	67.84	39.90	8.41
		730	140.06	-2.05	-43.01	-2.11	-42.95	1.54	2.28	-48.97	-37.88	-8.81	21.10
490	7	728	521.85	2.38	-3.34	1.97	-2.93	-1.48	195.19	0.93	0.96	195.17	-2.06
		746	587.73	1.64	-29.47	1.61	-29.44	-0.96	246.05	105.39	106.98	244.46	-14.88
		748	164.38	-2.92	-29.36	-2.93	-29.35	-0.45	69.54	35.49	67.94	37.10	7.21
		730	129.51	-1.13	-5.10	-3.21	-3.02	-1.98	-1.29	-48.99	-38.09	-12.19	20.03
490	8	728	542.09	120.32	4.13	4.73	119.73	-8.32	173.70	-0.52	-0.51	173.69	1.47
		746	531.11	42.38	2.85	4.04	41.19	-6.76	217.44	86.73	87.38	216.79	-9.24
		748	140.62	42.02	-4.65	-4.05	41.42	-5.27	58.86	31.99	53.93	36.91	10.39
		730	161.45	120.27	-5.27	-4.50	119.50	-9.80	5.18	-45.33	-33.95	-6.19	21.10
490	9	728	400.43	33.26	1.88	1.90	33.23	-0.93	142.34	0.52	0.52	142.34	-0.76
		746	419.68	1.56	-6.08	1.55	-6.08	-0.15	179.47	76.46	77.41	178.52	-9.83
		748	119.58	-2.42	-6.06	-2.53	-5.96	0.60	51.11	26.43	49.29	28.25	6.44
		730	103.04	33.19	-2.83	-2.76	33.11	-1.67	0.60	-36.12	-27.59	-7.93	15.51
490	10	728	474.01	79.41	3.13	3.60	78.94	-5.97	158.49	0.05	0.06	158.49	0.79
		746	475.10	23.25	1.90	3.06	22.09	-4.84	198.78	82.01	82.74	198.06	-9.17
		748	129.48	22.80	-3.81	-3.27	22.26	-3.77	55.16	29.09	51.81	32.44	8.72
		730	131.36	79.37	-4.23	-3.63	78.77	-7.05	3.14	-41.14	-30.87	-7.13	18.69
490	11	728	395.24	0.97	-23.37	0.96	-23.35	0.62	142.64	0.76	0.76	142.64	-0.52
		746	435.66	0.80	-34.69	0.78	-34.67	0.84	178.99	76.98	77.92	178.05	-9.75
		748	122.95	-1.50	-34.66	-1.54	-34.62	1.06	51.33	26.70	49.73	28.30	6.06
		730	99.37	-1.67	-23.40	-1.68	-23.39	0.40	1.08	-35.63	-27.42	-7.12	15.29
491	1	748	551.31	5.28	-15.15	4.03	-13.89	4.91	-31.26	-218.08	-181.36	-67.98	-74.25
		319	1427.09	4.47	-50.75	4.03	-50.31	4.91	-16.98	-536.19	-529.36	-23.80	-59.13
		524	1303.64	-15.22	-51.00	-15.91	-50.31	4.91	-62.48	-516.24	-513.09	-65.62	37.67
		717	412.76	-9.89	-19.91	-15.91	-13.89	4.91	-101.78	-173.12	-165.08	-109.81	22.55
491	2	748	572.30	7.71	-15.69	7.49	-15.47	2.26	-28.25	-224.74	-188.66	-64.33	-76.07

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		319	1498.21	7.55	-73.83	7.49	-73.76	2.25	-12.79	-557.30	-550.44	-19.65	-60.74
		524	1370.08	-14.55	-73.85	-14.63	-73.76	2.25	-59.88	-537.16	-534.04	-63.01	38.48
		717	425.44	-12.75	-17.34	-14.63	-15.47	2.26	-100.25	-179.70	-172.26	-107.69	23.14
491	3	748	625.64	65.29	2.23	11.70	55.82	-22.53	-40.59	-246.40	-209.70	-77.29	-78.78
		319	1629.89	23.47	-31.47	11.70	-19.71	-22.54	-22.39	-618.66	-611.63	-29.42	-64.35
		524	1513.46	2.10	-43.00	-21.18	-19.71	-22.54	-81.55	-601.76	-598.04	-85.28	43.88
		717	489.33	61.93	-27.29	-21.18	55.82	-22.53	-121.52	-207.73	-196.10	-133.15	29.46
491	4	748	593.53	28.74	-55.37	14.70	-41.33	-31.36	-30.58	-231.02	-192.99	-68.61	-78.59
		319	1522.89	33.96	-36.35	14.70	-17.09	-31.36	-13.85	-574.73	-567.50	-21.08	-63.29
		524	1398.06	16.38	-46.48	-13.01	-17.09	-31.36	-71.53	-555.89	-552.42	-75.00	40.85
		717	440.97	7.24	-61.58	-13.01	-41.33	-31.37	-112.54	-187.90	-177.92	-122.52	25.55
491	5	748	557.25	10.41	-72.91	8.14	-70.63	-13.58	-28.93	-220.98	-184.15	-65.77	-75.62
		319	1455.28	11.38	-48.70	8.14	-45.46	-13.58	-13.61	-546.16	-539.25	-20.52	-60.28
		524	1336.07	-5.32	-50.05	-9.91	-45.46	-13.58	-62.34	-526.31	-523.06	-65.58	38.67
		717	420.39	-7.01	-73.53	-9.91	-70.63	-13.58	-102.51	-176.28	-167.96	-110.84	23.34
491	6	748	551.24	4.35	-65.13	4.32	-65.10	1.35	-29.60	-216.24	-179.15	-66.69	-74.48
		319	1414.80	4.36	-47.60	4.32	-47.56	1.36	-15.89	-531.59	-524.64	-22.84	-59.49
		524	1296.06	-10.41	-47.61	-10.46	-47.56	1.36	-60.93	-511.46	-508.47	-63.91	36.58
		717	410.63	-10.43	-65.14	-10.46	-65.10	1.35	-100.32	-170.43	-162.99	-107.76	21.60
491	7	748	551.90	4.74	-35.83	4.61	-35.71	-2.22	-31.16	-219.47	-180.56	-70.06	-76.24
		319	1419.51	4.74	-35.97	4.61	-35.85	-2.22	-18.23	-536.14	-528.64	-25.72	-61.86
		524	1299.25	-12.99	-36.07	-13.20	-35.85	-2.22	-65.50	-516.25	-513.50	-68.25	35.12
		717	412.71	-12.99	-35.93	-13.20	-35.71	-2.22	-105.43	-172.59	-165.42	-112.59	20.74
491	8	748	482.88	56.67	2.05	9.28	49.45	-18.50	-31.61	-189.75	-162.24	-59.12	-59.94
		319	1258.24	19.35	-24.73	9.28	-14.66	-18.51	-17.45	-477.74	-472.47	-22.72	-48.97
		524	1169.95	2.76	-34.33	-16.91	-14.66	-18.51	-63.22	-465.12	-462.23	-66.11	33.94
		717	380.33	54.25	-21.72	-16.91	49.45	-18.50	-93.49	-161.02	-152.00	-102.50	22.97
491	9	748	396.80	3.51	-12.33	3.28	-12.11	1.87	-22.57	-157.33	-130.29	-49.61	-53.97
		319	1026.45	3.38	-32.73	3.28	-32.63	1.86	-12.37	-386.20	-381.14	-17.43	-43.21
		524	937.92	-10.77	-32.79	-10.93	-32.63	1.86	-45.74	-371.89	-369.65	-47.98	26.94
		717	297.07	-9.56	-13.48	-10.93	-12.11	1.87	-74.28	-124.67	-118.79	-80.16	16.18
491	10	748	437.34	33.51	0.65	7.55	26.62	-13.38	-27.80	-173.02	-146.03	-54.79	-56.49
		319	1139.02	13.66	-21.74	7.55	-15.63	-13.38	-15.38	-432.02	-426.85	-20.55	-46.11
		524	1054.59	-1.33	-28.16	-13.86	-15.63	-13.38	-56.34	-419.40	-416.84	-58.90	30.40
		717	336.67	30.64	-17.88	-13.86	26.62	-13.38	-85.24	-143.91	-136.02	-93.13	20.02
491	11	748	396.59	3.45	-40.56	3.45	-40.56	-0.11	-21.65	-156.31	-129.06	-48.89	-54.10
		319	1019.62	3.45	-31.11	3.45	-31.11	-0.11	-11.76	-383.65	-378.52	-16.90	-43.41
		524	933.70	-7.90	-31.11	-7.90	-31.11	-0.11	-44.88	-369.23	-367.08	-47.03	26.34
		717	296.02	-7.90	-40.56	-7.90	-40.56	-0.11	-73.48	-123.18	-117.63	-79.03	15.65
492	1	730	225.10	49.87	-6.49	-5.85	49.24	5.94	29.66	-51.88	29.29	-51.51	-5.46
		748	141.97	-2.58	-16.58	-5.85	-13.30	5.93	-9.79	-55.80	-13.33	-52.26	-12.26
		717	219.81	5.71	-15.15	3.86	-13.30	5.93	-28.63	-89.75	-29.30	-89.08	-6.36
		742	286.32	50.00	3.10	3.86	49.24	5.94	13.33	-88.33	13.32	-88.33	0.44
492	2	730	222.90	61.20	-6.52	-6.13	60.81	5.10	30.53	-47.43	30.15	-47.05	-5.46
		748	132.72	-3.83	-17.35	-6.13	-15.04	5.08	-10.36	-52.07	-14.51	-47.92	-12.49
		717	213.29	7.24	-16.20	6.08	-15.04	5.08	-30.29	-87.00	-31.03	-86.26	-6.43
		742	285.77	61.28	5.61	6.08	60.81	5.10	13.63	-85.39	13.62	-85.39	0.60
492	3	730	309.24	143.81	-6.56	-6.56	143.80	-0.74	31.92	-59.61	31.81	-59.49	-3.18
		748	185.37	56.45	-6.57	-6.56	56.44	-0.75	-16.79	-62.65	-19.21	-60.22	-10.26
		717	289.12	56.45	7.48	7.49	56.44	-0.75	-36.87	-108.40	-36.99	-108.27	-2.97
		742	400.34	143.81	7.49	7.49	143.80	-0.74	14.16	-107.68	14.03	-107.55	4.11
492	4	730	220.58	-0.70	-41.16	-1.06	-40.80	-3.82	31.38	-52.30	31.05	-51.96	-5.28
		748	165.23	-0.70	-42.09	-1.06	-41.74	-3.82	-11.87	-56.94	-15.10	-53.71	-11.62
		717	260.68	-3.51	-42.12	-3.90	-41.74	-3.82	-30.60	-99.08	-31.22	-98.46	-6.50
		742	305.47	-3.50	-41.19	-3.90	-40.80	-3.82	14.93	-96.72	14.93	-96.72	-0.16
492	5	730	226.24	-1.85	-66.17	-1.86	-66.16	0.81	30.35	-49.46	29.99	-49.10	-5.37
		748	174.77	-1.85	-70.89	-1.86	-70.88	0.81	-9.97	-53.91	-13.50	-50.38	-11.94
		717	256.03	-3.91	-70.89	-3.92	-70.88	0.81	-28.56	-89.83	-29.29	-89.10	-6.63
		742	297.48	-3.91	-66.17	-3.92	-66.16	0.81	14.20	-87.82	14.20	-87.82	-0.06
492	6	730	216.45	-2.55	-50.12	-3.08	-49.60	4.95	30.02	-50.43	29.61	-50.01	-5.79
		748	173.09	-2.68	-65.47	-3.08	-65.08	4.95	-8.81	-54.90	-12.55	-51.16	-12.59
		717	247.93	-2.30	-65.47	-2.69	-65.08	4.95	-27.51	-88.04	-28.40	-87.14	-7.31
		742	281.45	-2.17	-50.12	-2.69	-49.60	4.95	13.75	-85.99	13.75	-85.99	-0.51
492	7	730	198.66	-1.45	-8.09	-4.09	-5.45	3.25	30.22	-54.36	29.61	-53.75	-7.16
		748	165.85	-3.76	-35.77	-4.09	-35.44	3.25	-8.70	-58.97	-13.00	-54.67	-14.06
		717	241.12	0.39	-35.73	0.10	-35.44	3.25	-28.03	-92.64	-29.14	-91.53	-8.39
		742	265.12	1.60	-6.95	0.10	-5.45	3.25	13.49	-90.64	13.47	-90.61	-1.49
492	8	730	243.73	121.88	-5.26	-5.25	121.87	-0.78	24.20	-45.52	24.13	-45.45	-2.16
		748	144.88	49.98	-5.27	-5.25	49.97	-0.79	-13.85	-47.78	-15.61	-46.01	-7.53
		717	225.95	49.98	6.35	6.37	49.97	-0.79	-29.13	-83.34	-29.20	-83.28	-1.85
		742	314.91	121.88	6.36	6.37	121.87	-0.78	10.68	-82.85	10.55	-82.72	3.52
492	9	730	159.45	28.13	-4.30	-3.88	27.70	3.68	21.69	-38.06	21.41	-37.78	-4.09

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		748	106.21	-2.43	-13.21	-3.88	-11.75	3.68	-6.50	-40.89	-9.07	-38.32	-9.04
		717	162.53	3.08	-12.67	2.17	-11.75	3.68	-20.17	-65.66	-20.69	-65.14	-4.82
		742	204.24	28.22	1.65	2.17	27.70	3.68	9.79	-64.60	9.79	-64.60	0.13
492	10	730	205.85	80.24	-4.27	-4.27	80.24	-0.03	22.93	-42.34	22.80	-42.22	-2.83
		748	125.26	26.99	-4.27	-4.27	26.99	-0.03	-10.40	-44.69	-12.34	-42.74	-7.93
		717	195.41	26.99	4.19	4.19	26.99	-0.03	-24.79	-75.97	-24.96	-75.80	-2.94
		742	267.44	80.24	4.19	4.19	80.24	-0.03	10.24	-75.33	10.18	-75.28	2.16
492	11	730	153.42	-1.95	-27.60	-2.34	-27.21	3.14	21.89	-37.26	21.58	-36.95	-4.27
		748	123.53	-2.08	-40.78	-2.34	-40.52	3.14	-5.96	-40.39	-8.64	-37.71	-9.22
		717	178.19	-1.22	-40.77	-1.47	-40.52	3.14	-19.55	-64.71	-20.19	-64.07	-5.35
		742	201.08	-1.09	-27.59	-1.47	-27.21	3.14	10.03	-63.31	10.03	-63.30	-0.41
493	1	717	402.16	7.81	-32.23	-1.73	-22.69	17.05	41.55	-117.75	-43.80	-32.40	79.45
		524	1636.91	-2.56	-57.25	-2.56	-57.25	0.32	-125.12	-665.06	-586.48	-203.70	190.41
		335	1667.57	2.00	-61.59	1.42	-61.00	6.10	103.88	-557.95	-545.97	91.90	88.25
		706	730.84	11.09	-23.18	6.85	-18.94	11.28	265.12	-5.21	-3.29	263.20	-22.72
493	2	717	419.85	3.95	-26.15	-1.44	-20.76	11.54	48.43	-122.20	-46.13	-27.64	84.82
		524	1714.03	-1.59	-71.17	-3.58	-69.19	-11.58	-123.66	-690.62	-609.18	-205.09	198.84
		335	1747.27	-0.07	-74.43	-0.26	-74.24	-3.76	110.07	-581.57	-568.87	97.36	92.88
		706	760.24	6.97	-16.32	6.36	-15.71	3.72	276.40	-7.40	-5.81	274.81	-21.14
493	3	717	476.92	71.29	-14.04	-10.19	67.44	17.71	42.00	-146.95	-57.75	-47.21	94.33
		524	1887.70	27.43	-10.67	-10.57	27.34	-1.90	-151.84	-768.81	-678.17	-242.49	218.42
		335	1884.37	23.72	-5.46	-4.59	22.85	4.96	92.82	-650.72	-636.44	78.55	102.02
		706	804.53	73.58	0.66	2.32	71.93	10.85	275.50	-17.70	-16.02	273.83	-22.07
493	4	717	421.49	6.08	-32.00	-22.30	-3.63	-16.60	41.05	-127.32	-45.44	-40.84	84.15
		524	1765.66	20.83	-21.89	-21.23	20.18	-5.24	-146.33	-719.25	-635.76	-229.82	202.15
		335	1780.23	24.40	-24.57	-22.83	22.66	-9.08	94.22	-607.50	-596.16	82.88	88.47
		706	753.26	0.11	-32.28	-26.07	-6.11	-12.76	274.97	-8.95	-5.84	271.87	-29.54
493	5	717	400.58	-9.44	-52.81	-14.31	-47.94	-13.70	43.48	-118.94	-42.82	-32.65	81.05
		524	1669.18	-11.41	-39.65	-14.13	-36.93	-8.34	-129.97	-680.18	-600.35	-209.80	193.78
		335	1687.87	-11.33	-39.98	-15.60	-35.71	-10.20	103.31	-572.28	-560.74	91.77	87.53
		706	755.40	-13.50	-53.08	-17.42	-49.16	-11.83	271.24	-5.52	-3.21	268.93	-25.20
493	6	717	380.50	-6.97	-60.19	-6.99	-60.17	-1.04	42.44	-115.04	-42.52	-30.08	78.49
		524	1622.17	-7.02	-60.07	-7.04	-60.05	-0.96	-124.00	-659.52	-582.34	-201.18	188.09
		335	1655.23	-7.16	-60.05	-7.18	-60.03	-1.00	104.75	-554.17	-542.81	93.39	85.74
		706	754.95	-7.23	-60.21	-7.25	-60.19	-1.00	266.61	-5.11	-3.00	264.50	-23.86
493	7	717	382.25	-6.14	-33.60	-7.23	-32.51	5.34	38.23	-116.87	-45.16	-33.48	77.33
		524	1630.10	-7.09	-43.21	-7.09	-43.21	0.03	-128.43	-665.05	-588.54	-204.95	187.63
		335	1659.46	-4.86	-44.55	-4.95	-44.46	1.93	101.50	-560.01	-548.84	90.33	85.22
		706	735.21	-2.45	-31.68	-2.86	-31.27	3.45	264.13	-7.79	-5.46	261.80	-25.08
493	8	717	371.39	61.71	-11.03	-7.92	58.59	14.73	31.82	-114.61	-45.86	-36.93	73.08
		524	1456.73	25.34	-8.32	-8.25	25.26	-1.56	-117.09	-593.11	-523.17	-187.04	168.53
		335	1453.07	22.21	-3.97	-3.30	21.54	4.13	69.62	-502.43	-491.27	58.46	79.11
		706	619.72	63.65	1.11	2.44	62.31	9.03	209.76	-15.16	-13.96	208.57	-16.34
493	9	717	286.56	3.21	-21.45	-2.24	-16.01	10.23	29.85	-84.49	-30.90	-23.74	57.06
		524	1179.09	-2.70	-36.82	-2.70	-36.82	0.14	-91.14	-479.76	-423.24	-147.67	137.01
		335	1200.26	0.14	-39.43	-0.19	-39.09	3.63	74.57	-402.67	-394.19	66.09	63.04
		706	526.49	5.49	-16.10	3.13	-13.73	6.74	191.50	-3.33	-1.85	190.02	-16.91
493	10	717	327.63	36.65	-9.52	-6.94	34.07	10.60	30.10	-100.72	-38.65	-31.97	65.32
		524	1318.77	10.24	-7.22	-7.15	10.17	-1.10	-105.99	-537.40	-474.17	-169.22	152.57
		335	1317.96	8.25	-4.29	-3.53	7.49	2.99	68.42	-454.20	-444.45	58.68	70.69
		706	563.28	37.88	-0.53	0.61	36.75	6.50	197.26	-10.26	-8.93	195.93	-16.55
493	11	717	274.52	-5.16	-36.82	-5.16	-36.82	0.18	30.34	-82.98	-30.19	-22.45	56.53
		524	1170.90	-5.18	-38.39	-5.19	-38.38	-0.58	-90.52	-476.68	-420.94	-146.27	135.72
		335	1193.40	-4.97	-38.56	-4.97	-38.55	-0.31	75.05	-400.57	-392.44	66.93	61.64
		706	539.88	-4.71	-36.65	-4.71	-36.65	-0.08	192.33	-3.28	-1.69	190.74	-17.55
494	1	742	265.09	13.01	-6.38	-6.18	12.81	1.95	47.25	-65.31	-1.85	-16.21	-55.82
		717	155.96	8.34	-10.89	-5.69	3.14	8.54	56.81	3.87	49.55	11.13	-18.22
		706	454.93	3.30	-15.35	-13.16	1.12	6.00	195.53	115.57	115.98	195.12	-5.68
		731	445.81	15.63	-10.66	-9.87	14.84	4.49	183.53	48.83	64.58	167.78	-43.29
494	2	742	280.53	24.76	-5.07	-4.12	23.80	-5.25	52.73	-66.40	-1.78	-11.88	-59.35
		717	162.26	9.10	-7.90	-3.81	5.00	7.27	61.28	7.34	51.54	17.07	-20.74
		706	479.03	1.63	-15.87	-15.49	1.25	2.56	206.34	119.06	119.67	205.74	-7.22
		731	480.15	27.57	-9.77	-9.77	27.56	-0.55	193.32	49.80	66.34	176.79	-45.82
494	3	742	309.44	123.67	-6.38	8.74	108.55	-41.69	39.88	-74.86	-7.55	-27.43	-56.50
		717	154.03	85.34	2.85	9.21	78.98	-22.00	54.89	2.24	50.11	7.01	-15.12
		706	521.48	82.51	-18.53	-9.10	73.07	-29.40	207.14	122.88	122.92	207.09	1.96
		731	523.55	123.94	-9.59	-0.11	114.46	-34.30	185.57	52.34	65.26	172.65	-39.42
494	4	742	283.36	3.85	-33.64	1.21	-31.00	9.58	46.26	-72.43	-2.06	-24.11	-58.31
		717	157.13	1.06	-19.62	0.89	-19.46	1.83	57.25	0.09	51.84	5.49	-16.72
		706	470.00	9.51	-17.97	8.65	-17.11	4.77	197.70	124.16	124.33	197.53	-3.57
		731	463.70	6.12	-34.47	5.00	-33.35	6.65	185.63	52.73	70.43	167.92	-45.16
494	5	742	299.05	4.10	-75.40	-6.19	-65.12	26.68	50.07	-67.07	-0.90	-16.10	-58.08

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		717	158.50	-1.20	-56.19	-6.88	-50.51	16.73	57.49	3.96	50.50	10.94	-18.03
		706	490.19	11.41	-54.64	4.23	-47.46	20.56	199.02	119.97	120.49	198.51	-6.34
		731	501.85	6.30	-75.19	-0.71	-68.18	22.85	189.35	51.20	69.08	171.46	-46.38
494	6	742	300.33	3.71	-77.05	-10.34	-63.01	30.61	50.18	-65.47	-0.37	-14.91	-57.36
		717	165.43	-1.16	-58.69	-10.66	-49.19	21.36	57.88	4.00	50.32	11.56	-18.72
		706	484.94	9.43	-57.46	-1.63	-46.40	24.85	196.62	117.58	118.23	195.97	-7.14
		731	497.44	4.51	-76.26	-5.95	-65.80	27.11	187.04	49.99	67.53	169.50	-45.79
494	7	742	280.88	1.37	-30.25	-6.09	-22.79	13.42	47.50	-67.84	-0.70	-19.64	-56.89
		717	160.33	0.73	-26.08	-5.75	-19.60	11.48	57.63	0.61	50.58	7.65	-18.77
		706	460.15	1.62	-26.19	-5.49	-19.08	12.14	192.69	117.23	117.79	192.14	-6.42
		731	453.99	0.73	-30.09	-6.05	-23.32	12.77	182.02	49.33	66.50	164.84	-44.54
494	8	742	239.98	106.23	-5.49	7.66	93.08	-36.01	29.64	-57.34	-6.40	-21.30	-42.85
		717	118.09	73.36	2.43	8.04	67.75	-19.15	41.14	1.75	37.54	5.35	-11.35
		706	401.78	70.96	-15.84	-7.58	62.69	-25.47	158.08	92.97	93.03	158.02	2.01
		731	405.69	106.42	-8.18	0.11	98.14	-29.68	140.84	39.61	49.09	131.36	-29.49
494	9	742	193.17	5.61	-4.72	-4.07	4.96	2.51	34.03	-47.65	-1.11	-12.51	-40.44
		717	113.22	4.32	-8.14	-3.77	-0.05	5.95	41.36	2.38	36.39	7.36	-13.00
		706	329.58	1.22	-10.21	-7.87	-1.12	4.61	141.12	84.47	84.74	140.84	-3.94
		731	318.53	7.14	-7.22	-6.11	6.02	3.84	132.52	35.70	47.24	120.97	-31.38
494	10	742	213.88	65.82	-3.45	4.22	58.15	-21.74	29.95	-52.97	-4.28	-18.74	-40.82
		717	110.19	45.07	1.52	4.51	42.08	-11.02	40.31	1.46	36.70	5.07	-11.28
		706	364.13	43.47	-10.23	-5.61	38.86	-15.05	147.49	88.60	88.60	147.49	0.31
		731	361.54	66.06	-5.38	-0.69	61.37	-17.70	133.62	37.68	47.62	123.68	-29.23
494	11	742	212.21	2.24	-45.79	-6.38	-37.17	18.43	35.65	-47.74	-0.29	-11.79	-41.30
		717	117.73	-0.55	-35.11	-6.53	-29.13	13.07	41.95	2.46	36.82	7.59	-13.28
		706	346.05	5.44	-34.42	-1.47	-27.52	15.09	141.72	85.59	85.99	141.31	-4.75
		731	351.02	2.59	-45.29	-3.93	-38.78	16.41	134.48	36.34	48.88	121.93	-32.77
495	1	706	616.67	-1.82	-37.52	-3.21	-36.14	6.90	-21.17	-237.95	-237.89	-21.23	3.64
		335	1450.39	-6.81	-65.38	-7.00	-65.19	3.28	-50.54	-563.87	-530.37	-84.03	126.78
		529	1192.37	1.52	-62.57	1.51	-62.56	-0.72	-96.55	-483.74	-443.35	-136.94	118.35
		718	352.62	4.83	-41.49	2.11	-38.77	10.89	-73.84	-151.16	-150.86	-74.14	-4.79
495	2	706	637.33	-7.68	-22.89	-7.68	-22.89	1.64e-03	-19.46	-247.50	-247.37	-19.59	5.45
		335	1519.40	-11.71	-65.72	-12.28	-65.15	-5.52	-50.38	-589.37	-554.54	-85.21	132.52
		529	1254.96	-3.60	-63.63	-5.73	-61.49	-11.12	-101.10	-508.65	-467.05	-142.70	123.38
		718	371.73	-2.61	-27.86	-3.92	-26.55	5.60	-76.91	-160.04	-159.87	-77.08	-3.68
495	3	706	719.02	75.62	-22.42	-16.67	69.87	23.03	-51.63	-280.43	-280.33	-51.73	4.81
		335	1697.43	53.77	-26.68	-20.94	48.03	20.71	-86.14	-663.09	-622.92	-126.31	146.85
		529	1394.35	55.25	-10.48	-5.51	50.28	17.38	-141.46	-572.34	-524.52	-189.28	135.34
		718	435.16	76.04	-14.93	-6.52	67.63	26.35	-114.04	-182.59	-181.93	-114.70	-6.69
495	4	706	657.76	-4.82	-20.68	-17.76	-7.74	-6.14	-36.73	-259.21	-259.18	-36.76	-2.61
		335	1567.63	45.87	-15.09	-15.04	45.82	1.73	-74.09	-613.95	-579.76	-108.27	131.48
		529	1276.73	43.18	-4.91	-3.50	41.76	8.12	-129.57	-526.09	-486.51	-169.14	118.86
		718	399.42	6.46	-19.16	-9.00	-3.69	-12.53	-94.39	-169.17	-165.93	-97.63	-15.23
495	5	706	632.96	-0.63	-58.40	-7.53	-51.50	-18.73	-20.98	-242.98	-242.98	-20.99	1.19
		335	1481.75	2.74	-31.56	-5.60	-23.22	-14.72	-54.26	-577.52	-544.65	-87.13	126.96
		529	1213.52	1.95	-30.06	-2.65	-25.45	-11.23	-106.82	-496.08	-457.55	-145.35	116.26
		718	371.11	4.19	-58.51	-5.05	-49.27	-22.22	-78.04	-157.03	-155.87	-79.20	-9.51
495	6	706	631.67	1.34	-75.57	-0.52	-73.71	-11.81	-16.63	-235.97	-235.95	-16.65	2.05
		335	1449.53	1.57	-63.96	-0.03	-62.35	-10.12	-47.59	-558.50	-526.54	-79.56	123.74
		529	1187.03	4.12	-64.34	2.98	-63.20	-8.79	-95.67	-479.33	-441.38	-133.63	114.54
		718	355.08	3.97	-75.12	1.72	-72.87	-13.15	-70.08	-151.43	-150.79	-70.71	-7.14
495	7	706	624.38	-3.98	-45.28	-4.03	-45.22	-1.48	-22.39	-240.49	-240.49	-22.39	0.79
		335	1449.34	-5.12	-48.70	-5.18	-48.63	-1.70	-53.07	-564.77	-532.66	-85.17	124.09
		529	1188.42	0.42	-48.30	0.31	-48.19	-2.33	-99.59	-484.00	-445.25	-138.33	115.72
		718	356.62	-0.33	-45.68	-0.35	-45.66	-0.85	-74.81	-153.81	-153.08	-75.54	-7.58
495	8	706	556.79	66.08	-18.56	-13.68	61.20	19.73	-41.83	-216.91	-216.80	-41.94	4.28
		335	1313.47	47.50	-22.10	-17.24	42.64	17.74	-68.30	-512.81	-481.51	-99.60	113.73
		529	1080.00	48.71	-8.73	-4.55	44.53	14.93	-110.62	-443.04	-405.90	-147.76	104.73
		718	339.58	66.39	-12.43	-5.34	59.31	22.54	-89.67	-141.62	-141.19	-90.10	-4.71
495	9	706	444.13	-2.03	-25.49	-2.60	-24.92	3.62	-15.54	-171.68	-171.66	-15.56	1.88
		335	1043.89	-4.80	-41.40	-4.87	-41.33	1.61	-37.02	-406.45	-382.57	-60.90	90.84
		529	856.93	0.73	-39.83	0.72	-39.82	-0.67	-70.82	-348.49	-319.63	-99.67	84.74
		718	253.62	2.15	-27.65	0.93	-26.43	5.91	-54.01	-109.05	-108.72	-54.33	-4.21
495	10	706	499.13	37.31	-13.43	-10.09	33.97	12.58	-32.46	-195.28	-195.24	-32.50	2.54
		335	1179.85	24.96	-16.01	-12.61	21.57	11.30	-56.81	-461.56	-433.99	-84.39	101.98
		529	967.84	25.89	-6.21	-3.18	22.86	9.38	-95.78	-397.71	-364.73	-128.75	94.18
		718	297.74	37.73	-8.92	-3.87	32.68	14.50	-76.31	-126.54	-125.98	-76.87	-5.27
495	11	706	452.25	-0.11	-46.80	-1.11	-45.80	-6.77	-13.01	-170.59	-170.58	-13.01	1.00
		335	1043.39	-0.14	-40.61	-1.00	-39.76	-5.83	-35.38	-403.47	-380.44	-58.41	89.15
		529	853.93	2.16	-40.80	1.53	-40.18	-5.15	-70.33	-346.04	-318.54	-97.83	82.62
		718	254.47	1.89	-46.55	0.71	-45.37	-7.45	-51.90	-109.22	-108.68	-52.43	-5.52
496	1	731	143.98	11.08	-7.40	2.81	0.86	9.19	57.99	45.55	56.97	46.58	3.42

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		706	214.45	3.76	-31.55	-1.73	-26.06	12.79	84.36	33.25	53.90	63.71	-25.08
		718	336.58	4.02	-33.74	-7.18	-22.54	17.25	-21.90	-128.90	-24.58	-126.23	16.71
		743	416.63	0.63	-9.46	-6.17	-2.66	4.73	-6.57	-158.30	-21.51	-143.36	45.21
496	2	731	156.40	20.82	6.67	6.87	20.62	1.68	59.80	49.79	58.93	50.65	2.81
		706	222.68	3.52	-24.74	1.09	-22.30	7.93	89.75	33.99	55.04	68.70	-27.03
		718	341.44	7.48	-25.75	-1.27	-17.00	14.64	-24.16	-132.75	-26.86	-130.05	16.91
		743	438.04	16.99	0.20	1.87	15.32	-5.03	-7.43	-163.63	-22.97	-148.10	46.75
496	3	731	172.67	123.84	8.89	18.88	113.85	-32.37	65.18	26.64	58.32	33.50	14.75
		706	205.07	74.85	2.78	12.87	64.76	-25.01	71.30	33.00	51.45	52.84	-19.14
		718	475.06	75.58	7.95	12.83	70.70	-17.51	-33.19	-174.29	-39.57	-167.91	29.31
		743	627.65	122.94	2.05	17.07	107.92	-39.88	-10.15	-209.80	-32.70	-187.25	63.19
496	4	731	148.69	-1.51	-27.49	-2.30	-26.69	4.47	63.47	32.20	62.16	33.51	6.27
		706	184.58	-0.95	-6.75	-1.13	-6.57	1.01	78.06	29.64	56.28	51.42	-24.09
		718	405.95	-5.75	-9.71	-6.73	-8.73	-1.71	-23.19	-161.14	-26.27	-158.06	20.38
		743	518.50	-6.89	-27.47	-9.83	-24.54	7.20	-5.30	-191.06	-20.39	-175.97	50.74
496	5	731	165.84	-1.53	-73.20	-7.90	-66.82	20.40	60.69	44.57	60.41	44.84	2.10
		706	231.56	-0.56	-55.75	-6.79	-49.52	17.46	86.46	32.75	56.68	62.53	-26.69
		718	377.61	-6.12	-56.43	-11.14	-51.40	15.09	-20.59	-137.76	-22.88	-135.47	16.23
		743	485.12	-5.04	-73.60	-13.69	-64.95	22.77	-5.43	-166.88	-19.15	-153.16	45.02
496	6	731	172.79	0.82	-85.46	-9.54	-75.10	28.05	59.18	47.22	59.13	47.27	0.81
		706	246.90	1.04	-73.31	-9.35	-62.92	25.77	87.91	32.63	56.26	64.28	-27.35
		718	360.61	-5.01	-74.08	-14.97	-64.12	24.27	-19.80	-127.34	-21.69	-125.45	14.10
		743	462.68	-4.75	-86.53	-17.38	-73.90	29.56	-5.76	-155.53	-18.82	-142.46	42.26
496	7	731	147.54	3.93	-36.80	-2.43	-30.43	14.79	58.88	42.39	58.55	42.72	2.31
		706	219.58	1.76	-42.53	-4.35	-36.42	15.27	84.09	31.27	55.53	59.83	-26.32
		718	354.62	-1.52	-43.47	-9.56	-35.44	16.51	-21.21	-132.84	-23.41	-130.64	15.52
		743	445.78	-3.68	-38.03	-10.29	-31.41	13.55	-6.58	-161.56	-20.39	-147.75	44.15
496	8	731	138.43	106.46	7.33	16.02	97.77	-28.05	49.90	18.84	44.05	24.69	12.15
		706	157.66	65.38	2.28	11.06	56.59	-21.85	52.86	24.71	38.16	39.42	-14.06
		718	372.98	66.00	6.93	11.36	61.56	-15.57	-26.66	-135.45	-31.82	-130.28	23.13
		743	493.50	105.78	2.02	15.00	92.80	-34.32	-8.14	-162.80	-25.93	-145.01	49.34
496	9	731	103.17	6.41	-7.36	1.46	-2.41	6.61	42.22	32.17	41.56	32.83	2.49
		706	153.88	2.30	-22.10	-1.36	-18.44	8.72	60.82	24.23	39.70	45.36	-18.07
		718	246.68	1.99	-23.42	-5.11	-16.32	11.40	-15.27	-94.38	-17.23	-92.43	12.28
		743	306.46	-0.65	-8.50	-4.63	-4.53	3.93	-4.61	-115.71	-15.36	-104.96	32.84
496	10	731	116.52	65.31	5.44	10.38	60.36	-16.48	46.07	21.81	42.31	25.57	8.78
		706	143.67	37.00	1.76	6.75	32.01	-12.29	53.61	24.05	38.34	39.32	-14.77
		718	317.88	37.47	4.03	6.01	35.48	-7.91	-21.60	-119.54	-25.55	-115.59	19.28
		743	419.11	64.62	0.57	8.29	56.90	-20.86	-6.63	-144.29	-21.58	-129.34	42.84
496	11	731	118.92	1.00	-51.01	-5.40	-44.61	17.09	42.87	33.11	42.76	33.22	1.04
		706	171.78	0.80	-45.31	-5.59	-38.92	15.93	62.82	23.87	41.01	45.68	-19.33
		718	260.06	-3.01	-45.85	-9.43	-39.42	15.30	-14.11	-93.51	-15.62	-92.00	10.83
		743	332.07	-3.18	-51.78	-10.85	-44.11	17.72	-4.16	-114.17	-13.87	-104.46	31.21
497	1	718	431.69	14.70	-55.08	13.50	-53.88	9.07	55.86	-122.17	-42.21	-24.10	88.55
		529	1697.01	8.18	-70.59	8.08	-70.48	2.93	-128.05	-686.92	-603.76	-211.22	198.90
		337	1733.69	-1.99	-71.36	-2.25	-71.10	4.24	103.52	-582.32	-572.18	93.38	82.78
		707	807.90	-3.75	-54.47	-4.97	-53.26	7.76	283.08	-13.22	-10.64	280.50	-27.57
497	2	718	450.98	14.81	-35.46	14.14	-34.79	5.76	58.29	-130.05	-47.06	-24.70	93.51
		529	1782.59	7.43	-61.75	7.12	-61.43	-4.66	-132.44	-719.74	-633.69	-218.50	207.69
		337	1815.39	-5.32	-62.87	-5.39	-62.80	-2.10	105.93	-613.24	-602.46	95.15	87.41
		707	821.79	-7.61	-33.83	-8.01	-33.43	3.20	291.28	-18.16	-15.83	288.94	-26.78
497	3	718	525.46	80.79	-13.02	14.53	53.24	42.72	35.84	-161.05	-66.29	-58.92	98.38
		529	1956.94	63.74	-13.81	11.73	38.20	36.45	-172.79	-797.19	-699.75	-270.23	226.60
		337	1937.46	63.33	-18.66	7.50	37.18	38.21	88.25	-670.86	-658.25	75.64	97.02
		707	839.33	77.97	-16.48	7.23	54.27	40.96	290.05	-27.88	-24.79	286.96	-31.20
497	4	718	424.07	4.00	-18.44	-13.71	-0.73	9.16	36.97	-132.74	-50.93	-44.84	84.80
		529	1825.36	49.62	-22.44	-10.67	37.85	26.63	-167.90	-743.28	-659.07	-252.11	203.38
		337	1842.06	48.86	-17.38	-9.89	41.37	20.97	86.24	-633.38	-625.67	78.53	74.07
		707	815.54	6.66	-24.39	-13.48	-4.25	14.82	292.20	-23.93	-17.54	285.80	-44.51
497	5	718	429.52	-3.82	-47.33	-10.24	-40.92	-15.43	51.94	-122.58	-42.42	-28.23	86.97
		529	1725.65	-9.22	-17.90	-10.87	-16.26	-3.40	-142.21	-705.55	-624.69	-223.07	197.52
		337	1758.97	-7.15	-22.91	-16.60	-13.46	-7.72	94.77	-605.67	-597.45	86.55	75.42
		707	806.85	-16.95	-48.32	-21.55	-43.72	-11.10	285.50	-19.27	-15.17	281.40	-35.12
497	6	718	430.68	0.14	-77.91	-2.69	-75.08	-14.60	56.83	-117.97	-40.64	-20.49	86.82
		529	1682.72	-3.78	-63.28	-4.81	-62.25	-7.74	-128.04	-681.82	-602.59	-207.26	193.90
		337	1728.55	-9.95	-62.58	-12.13	-60.41	-10.48	101.48	-584.32	-575.53	92.69	77.15
		707	818.91	-14.30	-79.17	-16.55	-76.93	-11.86	282.48	-16.60	-13.58	279.46	-29.93
497	7	718	413.08	3.18	-54.42	3.16	-54.41	1.01	51.10	-121.65	-44.73	-25.82	85.85
		529	1686.35	0.38	-54.71	0.32	-54.65	1.84	-131.92	-686.18	-605.26	-212.84	195.71
		337	1721.80	-6.52	-54.09	-6.54	-54.06	1.11	100.14	-583.30	-573.88	90.73	79.67
		707	804.92	-9.37	-55.06	-9.44	-54.99	1.75	280.85	-16.45	-13.36	277.75	-30.19
497	8	718	409.93	69.91	-10.36	12.20	47.34	36.09	25.83	-126.13	-53.03	-47.28	75.93

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		529	1511.63	55.21	-10.72	10.05	34.44	30.63	-134.27	-615.49	-540.13	-209.62	174.88
		337	1493.82	55.09	-14.56	7.02	33.51	32.21	66.02	-517.74	-507.82	56.09	75.47
		707	645.08	67.85	-12.53	7.05	48.27	34.50	220.72	-22.99	-20.71	218.43	-23.48
497	9	718	307.72	8.57	-36.39	7.90	-35.72	5.44	39.45	-87.75	-30.10	-18.21	63.32
		529	1220.61	4.55	-44.96	4.45	-44.86	2.22	-93.72	-495.22	-435.45	-153.49	142.92
		337	1245.62	-2.19	-45.28	-2.37	-45.10	2.81	73.97	-419.72	-412.58	66.82	58.96
		707	579.81	-3.61	-36.22	-4.34	-35.48	4.85	204.12	-9.24	-7.22	202.11	-20.63
497	10	718	359.68	41.45	-9.19	8.47	23.79	24.14	28.33	-109.36	-43.47	-37.55	68.78
		529	1364.82	32.32	-10.33	6.48	15.52	20.84	-118.58	-556.47	-488.78	-186.28	158.30
		337	1355.93	31.55	-13.45	3.05	15.05	21.69	65.47	-468.90	-460.39	56.97	66.87
		707	590.09	39.06	-12.38	2.43	24.25	23.29	207.99	-17.39	-15.09	205.69	-22.65
497	11	718	305.55	0.15	-48.75	-1.10	-47.50	-7.71	39.98	-85.41	-29.23	-16.21	62.36
		529	1212.67	-2.35	-40.65	-2.71	-40.29	-3.71	-93.72	-492.38	-434.80	-151.29	140.14
		337	1242.78	-6.96	-40.05	-7.85	-39.16	-5.37	72.84	-420.83	-414.44	66.44	55.83
		707	585.88	-9.84	-49.57	-10.78	-48.63	-6.05	203.79	-11.12	-8.86	201.53	-21.95
498	1	743	367.27	-2.85	-48.19	-20.97	-30.07	22.21	58.65	-89.73	2.39	-33.46	-71.99
		718	244.08	-7.38	-49.63	-25.65	-31.37	20.93	79.26	-5.96	63.24	10.06	-33.29
		707	512.66	7.75	-43.35	-5.31	-30.30	22.28	212.92	124.21	124.52	212.60	-5.26
		732	471.14	2.86	-43.93	-9.94	-31.14	20.86	185.02	47.74	63.67	169.09	-43.96
498	2	743	367.40	-1.26	-22.92	-18.52	-5.66	8.71	60.19	-93.14	1.62	-34.57	-74.49
		718	245.13	-6.30	-33.54	-23.72	-16.12	13.08	81.68	-5.81	64.59	11.27	-34.68
		707	521.23	2.24	-24.83	-5.98	-16.62	12.44	220.38	127.32	127.58	220.12	-4.94
		732	463.50	2.61	-16.40	-8.64	-5.16	9.34	190.22	48.66	64.61	174.27	-44.75
498	3	743	364.13	96.34	-16.45	-10.62	90.52	-24.96	41.38	-107.49	-4.70	-61.41	-68.82
		718	245.03	78.47	-17.02	-13.97	75.42	-16.79	69.82	-19.57	60.85	-10.61	-26.85
		707	545.03	77.86	-11.36	-7.03	73.53	-19.17	217.86	128.16	128.65	217.36	6.64
		732	485.37	97.31	-11.35	-6.44	92.40	-22.57	177.48	52.18	63.09	166.56	-35.34
498	4	743	395.51	6.00	-31.85	-1.23	-24.61	14.88	55.42	-108.88	5.09	-58.55	-75.74
		718	254.13	1.99	-4.46	0.99	-3.46	2.34	80.57	-24.59	68.83	-12.86	-33.11
		707	478.54	7.76	-5.56	2.33	-0.13	6.55	203.27	136.23	136.51	202.98	-4.33
		732	443.91	2.61	-31.66	-1.11	-27.94	10.67	178.21	51.86	72.77	157.29	-46.96
498	5	743	385.57	6.07	-74.31	-3.21	-65.03	25.68	60.07	-97.79	4.75	-42.46	-75.32
		718	241.17	2.53	-52.73	-2.11	-48.09	15.33	81.70	-12.93	66.96	1.81	-34.32
		707	511.28	8.72	-51.89	2.07	-45.24	18.95	208.11	130.79	131.30	207.60	-6.30
		732	485.72	5.23	-74.54	-1.43	-67.88	22.07	182.97	49.45	69.09	163.33	-47.29
498	6	743	390.52	4.11	-101.11	-11.16	-85.83	37.07	62.25	-92.06	4.55	-34.36	-74.66
		718	251.07	-0.90	-82.18	-11.70	-71.39	27.58	82.25	-7.94	65.36	8.95	-35.19
		707	531.05	10.71	-80.81	-1.55	-68.54	31.18	210.85	126.77	127.45	210.16	-7.57
		732	510.86	5.77	-100.53	-6.09	-88.67	33.47	185.47	48.02	66.65	166.85	-47.04
498	7	743	376.70	-0.55	-62.29	-14.62	-48.22	25.90	58.74	-93.44	3.53	-38.23	-73.17
		718	245.32	-5.07	-53.15	-16.76	-41.47	20.62	79.83	-10.09	64.11	5.63	-34.15
		707	508.95	7.62	-50.79	-3.55	-39.62	22.97	208.71	125.44	125.86	208.29	-5.93
		732	474.69	2.81	-60.56	-7.68	-50.07	23.55	181.77	47.94	65.29	164.43	-44.95
498	8	743	278.09	84.29	-13.69	-8.27	78.87	-22.40	30.02	-82.56	-4.38	-48.15	-51.86
		718	188.20	68.46	-13.84	-10.97	65.59	-15.11	51.94	-15.60	45.43	-9.09	-19.93
		707	419.47	67.91	-10.02	-5.97	63.87	-17.29	166.06	96.65	97.16	165.55	5.92
		732	374.92	85.12	-9.72	-5.19	80.59	-20.22	134.28	39.56	47.35	126.49	-26.01
498	9	743	265.64	-1.78	-33.55	-13.47	-21.86	15.32	42.08	-65.68	1.97	-25.57	-52.09
		718	175.64	-4.89	-33.16	-16.39	-21.66	13.89	57.38	-5.10	46.25	6.03	-23.91
		707	368.28	5.37	-29.36	-3.18	-20.81	14.97	153.13	90.63	90.84	152.92	-3.60
		732	338.18	1.90	-30.95	-6.34	-22.71	14.24	133.02	34.87	46.56	121.33	-31.79
498	10	743	260.51	47.29	-9.88	-7.73	45.14	-10.88	32.47	-75.54	-1.97	-41.10	-50.33
		718	172.93	38.69	-10.93	-9.90	37.66	-7.07	52.10	-12.63	44.92	-5.45	-20.32
		707	381.46	38.41	-5.67	-4.14	36.88	-8.07	155.71	92.98	93.13	155.57	3.01
		732	337.08	47.80	-6.27	-4.40	45.93	-9.88	128.75	37.40	46.24	119.92	-27.00
498	11	743	278.01	2.10	-62.96	-8.03	-52.83	23.58	44.09	-66.99	3.17	-26.07	-53.58
		718	178.88	-1.37	-51.16	-8.64	-43.89	17.58	59.04	-6.20	47.43	5.41	-24.96
		707	378.36	6.98	-50.14	-1.10	-42.06	19.91	151.97	92.06	92.46	151.57	-4.88
		732	360.21	3.55	-62.43	-4.21	-54.67	21.25	133.28	35.02	48.21	120.08	-33.50
499	1	707	652.43	-6.53	-83.74	-7.03	-83.25	6.15	-13.20	-242.52	-242.52	-13.20	0.88
		337	1539.55	-9.66	-92.63	-10.04	-92.25	5.56	-47.18	-593.99	-564.39	-76.78	123.71
		306	1295.58	4.80	-91.28	4.64	-91.12	3.93	-103.89	-523.48	-488.07	-139.30	116.64
		719	394.86	3.57	-85.07	2.89	-84.38	7.79	-75.30	-166.62	-166.19	-75.72	-6.19
499	2	707	671.00	-13.76	-57.37	-14.76	-56.36	6.54	-17.55	-257.05	-257.04	-17.57	2.02
		337	1612.53	-18.33	-74.88	-18.73	-74.48	4.77	-52.58	-627.51	-596.02	-84.07	130.80
		306	1362.14	-2.62	-72.65	-2.67	-72.59	1.95	-112.90	-554.54	-516.58	-150.86	123.78
		719	413.46	-2.47	-59.82	-4.04	-58.25	9.36	-84.10	-177.87	-177.60	-84.36	-5.00
499	3	707	733.31	55.29	-57.03	-10.02	8.28	55.41	-50.38	-292.06	-292.05	-50.40	2.03
		337	1749.96	25.47	-77.59	-18.00	-34.12	50.89	-82.15	-682.94	-644.41	-120.68	147.18
		306	1450.62	39.67	-58.52	11.09	-29.95	44.60	-120.86	-588.66	-540.37	-169.14	142.32
		719	447.70	68.43	-55.09	9.24	4.10	61.71	-98.77	-188.10	-188.01	-98.86	-2.82
499	4	707	693.05	3.91	-58.57	-10.42	-44.23	26.27	-32.49	-271.32	-270.58	-33.24	-13.34

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		337	1633.93	21.02	-42.73	-11.31	-10.40	31.87	-74.79	-640.03	-613.05	-101.77	120.50
		306	1357.22	37.26	-37.46	12.21	-12.40	35.28	-126.97	-557.52	-525.50	-159.00	112.98
		719	444.83	15.32	-51.32	6.23	-42.23	22.87	-85.97	-187.51	-183.02	-90.46	-20.87
499	5	707	660.18	-16.34	-65.63	-16.54	-65.44	-3.09	-20.19	-253.68	-253.43	-20.43	-7.54
		337	1573.54	-14.77	-31.69	-14.97	-31.48	1.86	-60.09	-616.81	-590.37	-86.54	118.41
		306	1325.61	-5.95	-35.15	-7.16	-33.94	5.82	-123.56	-546.35	-515.03	-154.87	110.72
		719	426.43	-9.70	-63.92	-10.63	-62.98	-7.05	-86.24	-180.63	-178.10	-88.77	-15.24
499	6	707	660.24	-10.11	-101.04	-11.37	-99.78	-10.62	-11.58	-243.55	-243.50	-11.63	-3.20
		337	1545.57	-9.52	-79.47	-10.34	-78.64	-7.56	-48.16	-595.92	-569.15	-74.92	118.09
		306	1301.20	-5.48	-80.53	-5.83	-80.18	-5.08	-109.83	-529.03	-497.10	-141.76	111.20
		719	407.59	-6.07	-100.11	-7.94	-98.24	-13.10	-77.39	-172.53	-171.45	-78.47	-10.09
499	7	707	655.79	-8.43	-82.73	-8.50	-82.66	2.33	-15.45	-245.38	-245.36	-15.47	-2.24
		337	1530.86	-9.72	-76.25	-9.93	-76.03	3.77	-50.54	-593.49	-565.15	-78.88	120.77
		306	1284.38	3.03	-76.41	2.81	-76.19	4.16	-106.72	-521.60	-487.61	-140.71	113.79
		719	397.06	0.39	-82.55	0.34	-82.50	1.94	-76.38	-168.75	-167.82	-77.30	-9.21
499	8	707	567.95	49.19	-45.82	-7.65	-45.82	46.58	-41.28	-226.35	-226.32	-41.31	2.31
		337	1352.36	23.09	-62.91	-14.31	-25.51	42.63	-65.03	-527.55	-497.25	-95.33	114.45
		306	1121.19	34.17	-46.68	9.43	-21.95	37.26	-92.46	-454.10	-416.07	-130.49	110.94
		719	346.35	59.71	-44.21	8.04	7.46	51.96	-76.45	-145.17	-145.15	-76.47	-1.21
499	9	707	468.53	-5.05	-56.40	-5.40	-56.05	4.22	-10.08	-175.04	-175.04	-10.08	-0.27
		337	1105.04	-6.98	-60.43	-7.30	-60.12	4.10	-34.83	-427.41	-406.37	-55.87	88.43
		306	928.08	2.98	-59.67	2.82	-59.50	3.25	-75.99	-376.13	-350.85	-101.27	83.36
		719	282.94	1.91	-57.10	1.47	-56.66	5.08	-55.03	-119.96	-119.52	-55.48	-5.34
499	10	707	508.98	25.47	-37.73	-7.06	-5.20	31.59	-30.75	-202.55	-202.55	-30.75	0.37
		337	1220.36	10.61	-50.15	-11.72	-27.82	29.29	-54.30	-476.79	-450.82	-80.26	101.46
		306	1012.13	20.82	-39.93	6.40	-25.52	25.84	-85.47	-412.28	-379.91	-117.84	97.63
		719	312.05	34.34	-36.84	5.00	-7.50	35.04	-68.14	-131.83	-131.64	-68.33	-3.47
499	11	707	472.80	-7.36	-65.68	-7.81	-65.23	-5.10	-9.17	-175.62	-175.58	-9.21	-2.54
		337	1108.40	-7.25	-52.78	-7.47	-52.55	-3.18	-35.37	-428.49	-409.01	-54.84	85.31
		306	931.24	-2.94	-53.49	-3.00	-53.42	-1.76	-79.30	-379.21	-355.87	-102.64	80.34
		719	290.06	-3.84	-65.06	-4.54	-64.36	-6.52	-56.15	-123.29	-122.44	-57.00	-7.51
500	1	732	169.89	10.25	-59.01	-0.71	-48.04	25.28	61.26	51.89	61.26	51.90	-0.17
		707	267.82	5.51	-73.40	-4.88	-63.01	26.69	95.76	32.50	57.70	70.56	-30.97
		719	369.94	-0.92	-75.37	-15.54	-60.75	29.58	-24.22	-132.79	-26.02	-130.99	13.86
		744	464.00	-5.60	-61.51	-16.81	-50.30	22.39	-8.36	-163.76	-22.47	-149.65	44.65
500	2	732	156.27	12.74	-20.56	6.05	-13.87	13.34	62.66	51.98	62.52	52.13	1.22
		707	256.02	5.90	-49.24	0.11	-43.45	16.90	97.12	32.92	58.07	71.98	-31.34
		719	377.90	1.15	-51.39	-10.76	-39.48	22.00	-27.78	-142.51	-30.13	-140.17	16.25
		744	469.14	-5.39	-23.30	-10.85	-17.84	8.25	-9.82	-175.87	-25.68	-160.02	48.80
500	3	732	170.77	81.56	14.51	16.90	79.17	-12.44	66.34	33.40	61.22	38.52	11.94
		707	202.50	36.80	7.20	8.88	35.12	-6.85	79.54	31.12	54.40	56.26	-24.19
		719	419.88	40.87	-3.60	-3.60	40.86	0.51	-35.81	-162.28	-40.04	-158.04	22.74
		744	563.54	78.27	-7.69	-2.86	73.43	-19.80	-12.05	-196.96	-33.22	-175.79	58.87
500	4	732	165.08	0.62	-38.53	-4.73	-33.18	13.45	69.80	29.75	69.79	29.76	-0.63
		707	231.31	1.06	-23.37	-4.84	-17.47	10.45	90.28	20.37	63.70	46.95	-33.94
		719	420.24	-7.19	-25.24	-13.54	-18.89	8.62	-23.78	-164.21	-24.61	-163.38	10.73
		744	524.18	-7.35	-41.32	-16.92	-31.76	15.28	-7.33	-191.77	-18.52	-180.57	44.04
500	5	732	168.51	-0.04	-67.00	-5.82	-61.22	18.80	66.25	39.78	66.19	39.84	-1.26
		707	251.48	-0.65	-59.29	-6.25	-53.69	17.24	93.57	26.94	61.61	58.90	-33.29
		719	417.34	-6.44	-59.96	-12.11	-54.29	16.46	-23.85	-153.56	-25.17	-152.24	13.01
		744	522.08	-6.98	-67.77	-14.12	-60.62	19.58	-8.16	-183.73	-20.59	-171.30	45.04
500	6	732	188.51	1.70	-100.49	-8.86	-89.93	31.10	64.24	47.60	63.83	48.01	-2.58
		707	283.37	0.67	-96.00	-9.75	-85.58	29.98	97.50	29.81	60.30	67.01	-33.68
		719	400.81	-5.06	-96.72	-15.99	-85.79	29.70	-23.31	-138.51	-24.53	-137.28	11.82
		744	504.33	-6.06	-101.49	-17.83	-89.72	31.38	-8.54	-168.75	-21.01	-156.28	42.92
500	7	732	171.20	5.69	-70.42	-4.32	-60.41	25.72	62.67	46.79	62.58	46.88	-1.16
		707	264.38	3.07	-73.90	-6.69	-64.13	25.62	94.54	30.02	59.13	65.44	-32.10
		719	382.43	-3.36	-75.18	-15.25	-63.29	26.70	-23.57	-137.21	-24.99	-135.79	12.64
		744	480.72	-5.97	-72.24	-16.96	-61.25	24.65	-8.51	-167.37	-21.53	-154.34	43.58
500	8	732	132.39	71.99	12.00	14.35	69.63	-11.65	50.78	24.15	46.14	28.79	10.10
		707	153.96	34.56	5.96	7.75	32.77	-6.94	59.01	23.30	40.29	42.03	-17.84
		719	325.87	37.56	-2.23	-2.21	37.55	-0.80	-28.72	-124.77	-32.15	-121.34	17.82
		744	438.68	69.32	-5.95	-1.48	64.85	-17.78	-9.55	-151.32	-26.29	-134.58	45.76
500	9	732	120.76	6.56	-40.36	-0.65	-33.15	16.92	44.62	36.25	44.62	36.25	-0.10
		707	189.62	3.49	-49.21	-3.36	-42.36	17.73	68.77	23.55	42.46	49.86	-22.30
		719	269.15	-1.01	-50.51	-10.58	-40.94	19.55	-16.89	-97.31	-18.21	-96.00	10.19
		744	337.60	-4.05	-42.04	-11.51	-34.57	15.10	-5.93	-119.73	-16.05	-109.61	32.39
500	10	732	118.09	38.08	8.57	9.13	37.52	-4.04	47.01	26.40	44.60	28.82	6.63
		707	144.62	12.26	4.18	4.28	12.16	-0.90	59.82	22.72	40.63	41.92	-18.54
		719	286.81	16.09	-4.52	-3.94	15.51	3.40	-23.38	-113.64	-25.99	-111.03	15.13
		744	383.09	35.92	-5.52	-3.76	34.17	-8.34	-8.04	-138.12	-22.02	-124.13	40.29
500	11	732	130.86	1.80	-63.40	-5.18	-56.43	20.15	46.22	33.92	46.05	34.09	-1.44

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		707	198.33	0.80	-61.77	-6.07	-54.90	19.56	69.79	22.00	43.90	47.89	-23.81
		719	286.35	-3.35	-62.32	-10.83	-54.85	19.62	-16.39	-100.48	-17.38	-99.50	9.06
		744	360.03	-4.34	-64.22	-12.08	-56.47	20.09	-6.03	-122.50	-15.23	-113.30	31.43
501	1	719	451.05	10.60	-111.51	9.77	-110.68	10.06	53.37	-130.13	-52.88	-23.88	90.60
		306	1839.62	6.35	-135.74	6.35	-135.74	-0.52	-134.08	-738.98	-658.66	-214.39	205.26
		340	1944.28	2.07	-137.64	2.02	-137.59	2.66	120.72	-639.55	-629.33	110.50	87.56
		708	918.93	3.10	-109.25	2.68	-108.83	6.88	303.25	-25.79	-23.54	301.01	-27.10
501	2	719	486.14	13.72	-85.19	10.42	-81.88	17.77	52.06	-142.27	-59.98	-30.23	96.02
		306	1929.34	6.85	-110.59	6.56	-110.30	5.78	-144.42	-779.67	-694.34	-229.75	216.62
		340	2017.99	2.46	-113.17	1.69	-112.41	9.38	117.74	-674.31	-663.03	106.46	93.82
		708	921.40	4.83	-82.16	2.45	-79.78	14.17	308.11	-30.81	-28.68	305.98	-26.77
501	3	719	576.50	64.77	-90.02	29.54	-54.79	64.90	46.94	-162.19	-72.70	-42.56	103.47
		306	2010.13	36.45	-122.36	25.97	-111.87	39.44	-153.43	-817.56	-718.06	-252.93	237.02
		340	2061.97	41.13	-131.43	26.68	-116.98	47.80	123.44	-684.80	-669.47	108.11	110.25
		708	944.34	61.31	-78.48	32.51	-49.69	56.53	320.06	-25.68	-24.11	318.48	-23.30
501	4	719	446.16	13.80	-92.23	2.15	-80.59	33.15	30.22	-135.29	-68.68	-36.39	81.17
		306	1904.51	13.10	-96.12	4.84	-87.85	28.88	-161.86	-778.88	-700.92	-239.82	205.00
		340	2007.30	21.40	-97.74	12.83	-89.17	30.79	119.41	-671.39	-663.20	111.22	80.07
		708	971.98	26.08	-88.54	16.81	-79.27	31.24	320.12	-36.42	-30.96	314.66	-43.77
501	5	719	432.26	-8.29	-84.72	-10.37	-82.64	12.42	33.95	-134.77	-64.19	-36.62	83.23
		306	1872.35	-6.58	-86.75	-7.94	-85.40	10.34	-156.08	-766.24	-689.09	-233.22	202.78
		340	1974.64	0.14	-87.71	-1.37	-86.19	11.44	113.35	-665.43	-656.77	104.68	81.69
		708	923.43	3.10	-83.36	1.59	-81.85	11.32	305.54	-36.12	-31.87	301.29	-37.87
501	6	719	428.20	-7.68	-116.66	-7.69	-116.66	-1.01	44.65	-130.64	-58.87	-27.12	86.20
		306	1842.64	-6.92	-127.12	-7.21	-126.82	-5.91	-139.71	-744.14	-667.50	-216.36	201.13
		340	1956.72	-4.15	-128.11	-4.29	-127.97	-4.12	119.21	-647.70	-638.31	109.82	84.37
		708	926.17	-2.04	-115.58	-2.11	-115.51	-2.80	301.87	-32.50	-29.68	299.06	-30.56
501	7	719	435.29	3.60	-106.55	3.08	-106.03	7.55	47.07	-129.49	-56.07	-26.36	87.03
		306	1819.09	1.65	-121.99	1.64	-121.99	0.58	-137.43	-734.37	-656.22	-215.58	201.35
		340	1921.14	0.80	-123.38	0.74	-123.32	2.80	117.44	-635.45	-625.80	107.79	84.71
		708	909.98	2.18	-104.96	1.91	-104.69	5.33	299.71	-28.34	-25.64	297.01	-29.61
501	8	719	451.47	55.16	-71.19	24.88	-40.91	53.94	35.80	-126.57	-57.52	-33.24	80.27
		306	1548.50	31.01	-97.24	21.97	-88.19	32.84	-117.21	-629.21	-551.76	-194.65	183.46
		340	1584.26	35.08	-104.84	22.68	-92.43	39.77	94.91	-525.60	-513.32	82.63	86.43
		708	724.43	52.37	-61.48	27.56	-36.68	47.00	245.10	-20.14	-19.08	244.04	-16.75
501	9	719	321.82	6.62	-75.42	5.93	-74.73	7.48	37.25	-93.27	-37.80	-18.23	64.52
		306	1318.88	3.80	-91.10	3.80	-91.10	0.55	-98.03	-531.23	-473.60	-155.67	147.13
		340	1391.99	1.29	-92.40	1.21	-92.33	2.65	85.88	-459.34	-452.14	78.67	62.26
		708	656.52	2.12	-73.88	1.74	-73.50	5.38	217.88	-18.11	-16.34	216.11	-20.35
501	10	719	391.46	35.18	-61.94	16.92	-43.68	37.95	33.68	-111.09	-48.81	-28.60	71.67
		306	1412.88	19.98	-83.13	14.70	-77.84	22.74	-108.82	-574.85	-506.59	-177.08	164.78
		340	1457.34	22.36	-88.32	14.91	-80.87	27.72	87.33	-484.42	-474.44	77.35	74.87
		708	670.67	33.06	-55.39	18.31	-40.64	32.97	227.19	-18.02	-16.66	225.82	-18.24
501	11	719	308.17	-3.74	-78.07	-3.76	-78.05	1.34	32.39	-93.55	-41.13	-20.02	62.08
		306	1320.58	-3.67	-86.22	-3.74	-86.14	-2.45	-101.17	-534.09	-478.50	-156.76	144.83
		340	1398.92	-2.28	-86.99	-2.30	-86.98	-1.12	85.04	-463.87	-457.13	78.30	60.49
		708	660.54	-0.92	-77.21	-0.92	-77.21	8.39e-03	217.13	-21.85	-19.75	215.03	-22.27
502	1	744	407.44	-3.73	-104.80	-27.71	-80.81	43.00	63.71	-93.86	2.66	-32.81	-76.76
		719	273.12	-10.51	-98.90	-32.65	-76.75	38.30	81.54	-12.07	63.01	6.47	-37.30
		708	578.87	11.53	-94.12	-7.91	-74.68	40.94	229.28	126.63	128.11	227.80	-12.22
		733	568.16	4.42	-101.54	-14.23	-82.89	40.35	207.62	48.66	67.76	188.53	-51.68
502	2	744	403.90	-4.89	-70.30	-28.06	-47.13	31.28	61.22	-99.13	0.65	-38.56	-77.74
		719	266.73	-11.23	-70.57	-34.18	-47.62	28.90	80.50	-13.63	63.06	3.81	-36.57
		708	572.27	10.48	-62.95	-6.43	-46.03	30.92	234.51	130.07	130.90	233.69	-9.25
		733	546.24	3.58	-65.09	-12.80	-48.71	29.27	209.36	50.45	68.49	191.32	-50.41
502	3	744	396.38	30.04	-42.82	-38.32	25.54	17.54	55.17	-101.71	-4.15	-42.40	-76.07
		719	262.05	19.17	-54.74	-47.42	11.84	22.08	75.59	-11.82	59.58	4.19	-33.81
		708	583.61	24.81	-25.92	-13.00	11.89	22.10	249.77	130.47	130.55	249.69	-3.08
		733	531.76	31.56	-25.11	-19.05	25.50	17.51	216.81	53.12	66.83	203.10	-45.34
502	4	744	456.99	3.02	-78.51	-21.12	-54.37	37.22	67.82	-114.28	8.05	-54.50	-85.51
		719	316.18	-2.06	-62.93	-22.84	-42.15	28.86	89.90	-32.32	70.69	-13.12	-44.48
		708	552.21	11.72	-59.81	-8.58	-39.50	32.25	225.35	135.55	139.32	221.58	-18.01
		733	548.60	4.87	-75.52	-13.63	-57.02	33.83	206.96	49.92	76.68	180.20	-59.04
502	5	744	422.98	0.08	-86.16	-16.85	-69.23	34.26	62.13	-107.79	5.38	-51.04	-80.14
		719	281.70	-3.71	-72.17	-17.37	-58.51	27.36	82.69	-27.76	66.14	-11.21	-39.43
		708	545.84	5.20	-71.05	-9.38	-56.46	29.99	219.38	131.38	133.70	217.05	-14.11
		733	538.60	1.07	-85.11	-12.76	-71.28	31.63	200.74	49.42	72.94	177.22	-54.82
502	6	744	418.21	-0.56	-121.45	-20.16	-101.85	44.55	63.97	-99.31	4.28	-39.63	-78.63
		719	276.94	-4.73	-109.39	-21.42	-92.70	38.31	82.08	-19.00	63.80	-0.72	-38.90
		708	576.80	6.31	-107.92	-10.87	-90.73	40.84	224.14	127.43	129.53	222.04	-14.10
		733	572.91	2.06	-120.50	-14.62	-103.82	42.03	204.65	48.49	70.01	183.13	-53.83
502	7	744	410.75	-1.79	-105.30	-23.24	-83.86	41.95	63.03	-97.32	3.67	-37.97	-77.43

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		719	273.60	-7.51	-95.78	-26.41	-76.88	36.21	81.48	-16.54	63.38	1.56	-38.04
		708	566.88	9.69	-92.70	-8.23	-74.77	38.91	224.05	126.75	128.44	222.35	-12.73
		733	557.59	3.73	-103.15	-13.44	-85.97	39.25	203.05	48.51	68.73	182.82	-52.12
502	8	744	300.80	28.29	-33.64	-30.98	25.63	12.56	41.52	-77.20	-3.92	-31.77	-57.70
		719	198.37	18.52	-43.40	-38.45	13.57	16.80	56.74	-8.34	44.39	4.02	-25.53
		708	451.77	21.95	-19.11	-10.62	13.46	16.63	192.23	98.57	98.61	192.19	-1.82
		733	412.77	29.36	-18.99	-15.37	25.74	12.73	166.36	40.34	50.30	156.41	-34.00
502	9	744	292.80	-2.36	-71.05	-18.70	-54.71	29.25	45.44	-68.70	2.14	-25.40	-55.38
		719	195.86	-6.97	-66.52	-21.95	-51.53	25.85	58.89	-9.64	46.03	3.22	-26.76
		708	412.50	7.83	-63.33	-5.42	-50.08	27.70	164.26	92.17	93.19	163.25	-8.50
		733	403.46	2.98	-68.85	-9.71	-56.17	27.39	148.52	35.41	49.30	134.63	-37.13
502	10	744	286.48	10.81	-31.04	-24.60	4.37	15.11	40.71	-73.07	-1.64	-30.72	-55.00
		719	189.92	5.61	-38.08	-30.16	-2.31	16.83	55.61	-9.52	44.13	1.96	-24.82
		708	408.45	12.40	-22.63	-8.24	-1.99	17.23	175.55	94.40	94.55	175.40	-3.42
		733	373.27	12.68	-21.01	-12.38	4.04	14.71	153.51	38.00	48.78	142.73	-33.61
502	11	744	298.82	-0.70	-80.20	-14.51	-66.40	30.11	45.61	-71.75	3.04	-29.18	-56.42
		719	198.02	-3.89	-72.22	-15.71	-60.40	25.85	59.22	-13.52	46.47	-0.77	-27.65
		708	411.36	4.90	-70.96	-7.06	-59.00	27.64	161.39	92.63	93.98	160.04	-9.54
		733	406.12	1.64	-79.35	-9.92	-67.80	28.33	146.88	35.31	50.55	131.63	-38.32
503	1	708	756.02	5.38	-134.88	3.31	-132.81	-16.92	0.55	-264.12	-264.10	0.53	1.93
		340	1768.36	-3.12	-197.41	-6.12	-194.41	-23.95	-28.98	-653.99	-626.96	-56.01	127.13
		435	1565.62	28.57	-193.77	23.72	-188.91	-32.49	-73.72	-593.25	-556.82	-110.15	132.66
		720	510.95	23.37	-138.74	22.94	-138.31	-8.37	-53.21	-194.36	-193.96	-53.61	7.46
503	2	708	771.07	1.94	-105.53	1.59	-105.18	-6.18	-9.34	-279.85	-279.81	-9.37	3.00
		340	1833.79	-7.60	-161.63	-8.55	-160.67	-12.07	-41.14	-690.95	-661.35	-70.73	135.48
		435	1622.03	31.24	-157.59	29.08	-155.42	-20.12	-89.15	-625.51	-586.41	-128.25	139.43
		720	520.56	26.70	-110.46	26.68	-110.43	1.88	-66.54	-205.22	-204.87	-66.89	6.96
503	3	708	801.96	28.87	-97.39	23.76	-92.28	24.87	-11.42	-289.42	-288.90	-11.93	11.93
		340	1853.92	9.56	-197.65	8.79	-196.87	12.65	-38.06	-693.53	-656.28	-75.31	151.76
		435	1617.13	52.72	-187.73	52.71	-187.72	-1.62	-69.01	-610.84	-562.42	-117.43	154.56
		720	521.57	61.83	-110.82	52.44	-101.44	39.15	-52.52	-196.57	-195.05	-54.05	14.73
503	4	708	818.75	17.15	-115.81	16.96	-115.63	4.98	-4.33	-289.69	-289.32	-4.70	-10.30
		340	1814.90	6.84	-184.64	6.80	-184.60	-3.00	-36.98	-676.45	-651.79	-61.64	123.12
		435	1587.86	38.38	-179.22	37.66	-178.51	-12.48	-70.66	-601.23	-566.75	-105.13	130.78
		720	548.15	38.49	-123.02	37.19	-121.71	14.46	-48.15	-204.32	-204.28	-48.19	-2.64
503	5	708	780.44	0.36	-111.57	0.15	-111.36	-4.80	-9.98	-283.40	-283.20	-10.17	-7.27
		340	1793.28	-9.34	-164.66	-10.01	-163.98	-10.24	-42.43	-676.45	-651.00	-67.88	124.44
		435	1581.14	30.99	-160.60	29.28	-158.90	-18.00	-80.85	-606.24	-571.17	-115.91	131.12
		720	525.50	26.50	-116.50	26.44	-116.44	2.96	-58.21	-203.37	-203.37	-58.21	-0.59
503	6	708	771.55	0.88	-141.16	-2.49	-137.79	-21.61	-2.11	-272.37	-272.36	-2.12	-1.73
		340	1781.61	-7.74	-197.47	-11.88	-193.33	-27.71	-32.06	-661.43	-635.39	-58.11	125.36
		435	1576.79	26.72	-194.11	20.82	-188.21	-35.60	-73.72	-597.55	-561.76	-109.51	132.16
		720	522.12	20.35	-144.06	19.20	-142.91	-13.71	-53.35	-198.91	-198.73	-53.53	5.08
503	7	708	753.72	4.44	-130.21	2.52	-128.30	-15.93	-1.67	-265.53	-265.53	-1.67	-0.80
		340	1744.73	-3.72	-187.93	-6.47	-185.18	-22.35	-31.34	-647.71	-621.56	-57.50	124.24
		435	1538.87	27.40	-184.47	22.98	-180.05	-30.30	-73.29	-584.37	-548.84	-108.82	129.99
		720	505.68	22.37	-133.84	21.96	-133.43	-7.98	-52.82	-192.99	-192.81	-52.99	4.94
503	8	708	617.58	24.95	-75.75	20.14	-70.93	21.48	-8.96	-222.69	-222.15	-9.50	10.72
		340	1424.90	8.94	-156.72	8.14	-155.91	11.51	-28.77	-532.38	-502.88	-58.27	118.26
		435	1243.26	42.70	-148.51	42.70	-148.51	-0.05	-50.62	-467.97	-429.83	-88.75	120.26
		720	402.13	51.10	-86.77	42.66	-78.34	33.05	-38.52	-150.56	-149.10	-39.98	12.72
503	9	708	540.12	3.36	-91.79	2.11	-90.55	-10.81	-0.52	-189.98	-189.98	-0.52	0.41
		340	1263.48	-2.66	-134.78	-4.53	-132.91	-15.60	-22.01	-468.90	-449.69	-41.22	90.64
		435	1115.79	20.13	-132.20	17.03	-129.10	-21.51	-54.51	-424.49	-398.53	-80.48	94.52
		720	362.31	16.54	-94.58	16.32	-94.36	-4.90	-39.60	-139.00	-138.82	-39.78	4.28
503	10	708	565.68	15.32	-69.88	13.48	-68.04	12.41	-7.26	-203.94	-203.76	-7.44	5.96
		340	1310.95	3.91	-134.44	3.75	-134.28	4.73	-27.14	-490.77	-465.98	-51.94	104.32
		435	1144.31	33.25	-128.56	33.13	-128.44	-4.36	-51.98	-434.19	-401.64	-84.53	106.68
		720	368.49	36.89	-78.05	32.72	-73.88	21.50	-39.33	-140.11	-139.42	-40.02	8.32
503	11	708	548.83	0.80	-95.23	-1.11	-93.32	-13.41	-1.98	-194.58	-194.57	-1.99	-1.63
		340	1270.87	-5.26	-134.78	-7.73	-132.31	-17.69	-23.72	-473.03	-454.37	-42.39	89.65
		435	1121.99	19.07	-132.37	15.41	-128.71	-23.24	-54.52	-426.88	-401.27	-80.13	94.24
		720	368.52	14.80	-97.47	14.25	-96.92	-7.86	-39.65	-141.55	-141.47	-39.74	2.96
504	1	733	236.73	9.00	-105.56	-5.58	-90.98	38.18	76.12	60.79	65.22	71.69	-6.95
		708	371.42	4.54	-136.62	-9.75	-122.33	42.58	120.59	31.37	61.11	90.85	-42.05
		720	351.07	5.60	-136.72	-12.45	-118.67	47.36	-32.54	-113.01	-32.94	-112.61	5.66
		703	442.19	1.12	-106.29	-10.53	-94.64	33.40	-14.65	-145.96	-28.84	-131.77	40.77
504	2	733	210.50	10.99	-74.78	-1.71	-62.09	30.46	70.68	63.71	66.15	68.24	-3.33
		708	342.40	5.82	-104.59	-6.32	-92.46	34.54	116.86	31.78	60.55	88.10	-40.25
		720	366.11	4.99	-105.27	-11.48	-88.79	39.31	-36.57	-127.46	-37.61	-126.42	9.66
		703	465.52	-0.16	-75.81	-10.22	-65.75	25.68	-15.42	-162.86	-32.00	-146.28	46.58
504	3	733	203.80	22.62	-39.01	2.91	-19.30	28.74	78.51	64.34	64.34	78.51	0.08

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		708	335.30	11.95	-79.38	-3.94	-63.49	34.62	119.32	35.62	58.48	96.47	-37.29
		720	311.49	12.40	-82.68	-12.15	-58.13	41.61	-38.26	-113.14	-39.67	-111.72	10.19
		703	406.71	5.31	-40.44	-10.47	-24.66	21.75	-14.21	-149.28	-33.81	-129.68	47.56
504	4	733	231.42	6.93	-89.78	-8.08	-74.77	35.01	82.68	50.85	73.96	59.57	-14.20
		708	369.08	3.80	-108.85	-10.72	-94.33	37.75	124.83	22.18	69.45	77.56	-51.17
		720	362.78	4.58	-109.21	-12.60	-92.04	40.74	-28.30	-125.80	-28.47	-125.63	-4.02
		703	445.53	1.59	-90.10	-11.45	-77.06	32.02	-15.49	-152.09	-23.96	-143.62	32.95
504	5	733	212.51	5.61	-85.64	-6.42	-73.61	30.87	74.98	52.98	69.98	57.97	-9.22
		708	345.81	2.31	-109.37	-9.46	-97.60	34.29	117.10	24.81	65.29	76.62	-45.80
		720	373.38	3.72	-109.41	-10.86	-94.83	37.91	-31.78	-128.91	-31.83	-128.87	2.11
		703	461.37	0.43	-86.05	-9.24	-76.38	27.26	-15.77	-158.88	-27.14	-147.52	38.69
504	6	733	237.36	5.48	-115.10	-8.40	-101.23	38.47	75.79	58.07	67.04	66.82	-8.86
		708	374.62	2.11	-143.58	-11.69	-129.79	42.65	120.61	28.52	63.10	86.03	-44.60
		720	365.93	4.88	-143.27	-11.83	-126.56	46.87	-32.38	-117.36	-32.53	-117.22	3.50
		703	455.66	1.52	-115.52	-9.55	-104.45	34.25	-15.83	-149.19	-28.59	-136.43	39.23
504	7	733	229.63	6.95	-104.34	-6.76	-90.63	36.58	74.38	58.48	65.92	66.93	-7.93
		708	362.25	3.30	-131.58	-10.21	-118.06	40.51	118.45	29.43	62.14	85.74	-42.91
		720	353.42	4.95	-131.53	-11.67	-114.90	44.63	-31.37	-115.09	-31.58	-114.88	4.19
		703	442.72	1.29	-104.87	-9.79	-93.79	32.46	-14.88	-146.60	-27.79	-133.69	39.17
504	8	733	156.35	18.94	-28.04	2.71	-11.81	22.34	61.52	48.53	48.55	61.50	0.51
		708	257.23	9.95	-60.14	-2.84	-47.36	27.07	91.46	27.00	43.55	74.91	-28.16
		720	232.18	10.44	-63.04	-9.56	-43.04	32.70	-30.14	-84.45	-31.28	-83.31	7.79
		703	304.65	4.99	-29.35	-8.23	-16.12	16.71	-10.81	-112.19	-26.28	-96.72	36.45
504	9	733	165.18	6.13	-71.52	-3.80	-61.59	25.93	53.71	43.62	47.31	50.01	-4.86
		708	260.91	3.07	-92.77	-6.66	-83.04	28.95	85.92	22.79	44.78	63.93	-30.08
		720	254.59	3.78	-92.84	-8.53	-80.53	32.22	-22.77	-83.21	-23.08	-82.89	4.37
		703	320.40	0.70	-72.02	-7.23	-64.10	22.67	-10.42	-106.94	-20.55	-96.81	29.59
504	10	733	146.86	13.17	-34.02	0.92	-21.77	20.69	53.93	46.69	46.82	53.80	-0.95
		708	240.81	7.05	-60.83	-3.43	-50.35	24.53	85.07	25.29	43.32	67.05	-27.43
		720	232.06	7.20	-62.47	-8.37	-46.90	29.02	-25.98	-83.24	-26.82	-82.40	6.88
		703	300.08	2.32	-34.74	-7.20	-25.22	16.19	-10.28	-108.68	-23.31	-95.65	33.36
504	11	733	165.65	4.17	-76.81	-5.36	-67.28	26.10	53.76	41.87	48.32	47.31	-5.92
		708	262.83	1.72	-96.63	-7.74	-87.18	28.99	85.98	21.15	45.88	61.25	-31.49
		720	262.87	3.37	-96.48	-8.19	-84.92	31.94	-22.69	-85.61	-22.85	-85.45	3.16
		703	327.90	0.91	-77.14	-6.69	-69.55	23.14	-11.07	-108.74	-20.41	-99.39	28.73
505	1	720	649.40	45.61	-142.47	32.38	-129.24	-48.09	80.37	-159.76	-86.40	7.01	110.60
		435	2169.27	40.90	-266.65	11.48	-237.23	-90.46	-83.21	-811.64	-719.96	-174.88	241.61
		341	2252.97	0.73	-268.86	-24.73	-243.40	-78.84	181.92	-694.64	-672.76	160.04	136.74
		709	1043.46	-0.08	-152.05	-29.07	-123.07	-59.70	342.03	-39.29	-39.20	341.94	5.74
505	2	720	650.57	44.42	-112.55	35.80	-103.93	-35.77	75.50	-171.82	-93.39	-2.93	115.09
		435	2242.24	38.20	-222.68	15.78	-200.25	-73.13	-98.81	-852.44	-755.85	-195.40	251.92
		341	2311.02	-0.63	-224.93	-20.09	-205.48	-63.12	176.06	-728.74	-706.26	153.58	140.84
		709	1044.59	-3.39	-120.68	-25.37	-98.71	-45.77	346.09	-43.85	-43.81	346.05	4.01
505	3	720	688.80	66.61	-117.00	62.93	-113.32	-25.74	95.93	-170.41	-83.84	9.37	124.75
		435	2228.56	55.82	-251.01	37.82	-233.01	-72.10	-82.15	-833.21	-729.09	-186.26	259.54
		341	2274.99	7.13	-253.92	-7.33	-239.45	-59.73	181.78	-702.34	-677.43	156.87	146.31
		709	1056.00	-0.47	-120.52	-14.13	-106.87	-38.11	352.84	-32.52	-32.17	352.50	11.52
505	4	720	630.48	48.68	-134.93	40.38	-126.63	-38.14	72.79	-159.69	-98.10	11.20	102.59
		435	2179.77	43.67	-260.07	19.97	-236.37	-81.47	-86.10	-817.34	-729.65	-173.79	237.56
		341	2268.48	4.82	-262.29	-14.66	-242.82	-69.44	187.67	-695.69	-675.54	167.52	131.89
		709	1077.46	2.33	-140.72	-18.21	-120.18	-50.16	352.53	-44.02	-43.99	352.50	-3.08
505	5	720	619.48	42.09	-122.81	33.59	-114.31	-36.46	68.03	-163.18	-96.94	1.80	104.53
		435	2181.45	37.84	-242.61	14.25	-219.02	-77.84	-93.15	-824.73	-734.77	-183.11	240.25
		341	2264.01	1.04	-244.66	-18.41	-225.21	-66.34	181.80	-702.45	-681.50	160.85	134.50
		709	1050.01	-0.31	-129.47	-21.65	-108.13	-47.97	345.76	-43.67	-43.66	345.76	-1.22
505	6	720	650.39	43.28	-147.02	28.45	-132.19	-51.01	76.64	-161.94	-91.57	6.27	108.79
		435	2180.08	39.76	-271.93	8.37	-240.53	-93.81	-84.11	-815.68	-725.07	-174.72	240.99
		341	2266.42	1.40	-273.94	-25.63	-246.91	-81.92	183.23	-698.09	-676.20	161.35	137.14
		709	1051.60	1.92	-156.78	-29.06	-125.80	-62.90	342.41	-42.77	-42.71	342.35	4.94
505	7	720	631.25	42.86	-138.50	30.13	-125.77	-46.33	75.69	-157.44	-87.75	6.00	106.72
		435	2128.62	38.89	-258.82	10.43	-230.36	-87.54	-83.48	-797.95	-708.44	-172.99	236.52
		341	2209.76	1.19	-260.85	-23.21	-236.45	-76.14	179.10	-681.15	-659.84	157.79	133.71
		709	1027.37	0.81	-147.33	-26.84	-119.68	-57.72	336.82	-39.19	-39.15	336.78	3.91
505	8	720	535.74	53.58	-91.40	50.95	-88.77	-19.34	75.93	-131.34	-64.05	8.64	97.06
		435	1711.25	44.80	-196.89	31.09	-183.19	-55.89	-60.79	-637.86	-557.33	-141.32	199.97
		341	1744.99	6.28	-199.21	-4.67	-188.27	-46.15	139.61	-537.52	-518.07	120.16	113.11
		709	811.44	0.02	-93.80	-10.09	-83.69	-29.09	270.46	-25.14	-24.79	270.11	10.20
505	9	720	457.20	31.63	-97.31	22.80	-88.47	-32.57	55.83	-113.97	-61.73	3.59	78.37
		435	1546.77	28.28	-183.52	8.24	-163.48	-61.99	-61.60	-580.85	-515.25	-127.20	172.51
		341	1604.93	0.32	-185.06	-16.98	-167.76	-53.93	129.30	-496.18	-480.70	113.82	97.17
		709	742.28	-0.34	-103.88	-20.03	-84.19	-40.63	244.65	-27.22	-27.19	244.61	3.03
505	10	720	479.13	43.08	-82.94	39.77	-79.62	-20.16	64.48	-119.89	-60.30	4.90	86.23

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		435	1579.71	36.46	-174.71	22.88	-161.13	-51.79	-61.03	-592.81	-520.32	-133.53	182.47
		341	1617.15	3.76	-176.64	-7.32	-165.57	-43.31	129.20	-500.45	-483.30	112.06	102.49
		709	749.25	-0.72	-86.20	-11.73	-75.19	-28.64	250.62	-23.43	-23.29	250.48	6.24
505	11	720	457.73	30.32	-99.82	20.61	-90.11	-34.20	53.75	-115.17	-64.60	3.18	77.36
		435	1552.77	27.65	-186.44	6.52	-165.31	-63.85	-62.10	-583.09	-518.08	-127.11	172.17
		341	1612.39	0.69	-187.88	-17.48	-169.71	-55.64	130.03	-498.10	-482.62	114.54	97.39
		709	746.80	0.77	-106.51	-20.02	-85.71	-42.41	244.86	-29.16	-29.14	244.84	2.59
506	1	703	455.82	-6.14	-121.09	-18.91	-108.31	36.12	84.47	-92.81	-5.51	-2.84	-88.63
		720	341.54	-9.08	-131.38	-23.48	-116.98	39.41	107.55	4.72	65.39	46.88	-50.58
		709	743.37	5.75	-129.63	-6.65	-117.23	39.05	288.36	126.41	127.95	286.83	-15.70
		734	702.82	2.72	-120.08	-9.29	-108.06	36.49	251.93	42.23	57.05	237.11	-53.74
506	2	703	448.86	-5.79	-98.24	-18.43	-85.61	31.76	79.66	-98.43	-7.20	-11.57	-89.02
		720	318.52	-10.16	-103.98	-23.44	-90.71	32.70	103.24	2.78	65.46	40.56	-48.66
		709	733.92	8.51	-101.45	-2.70	-90.24	33.28	292.26	131.14	132.08	291.32	-12.28
		734	688.86	4.06	-96.86	-6.72	-86.07	31.18	253.47	45.14	59.42	239.19	-52.63
506	3	703	452.48	-8.70	-88.97	-27.03	-70.63	33.70	86.74	-90.95	-9.08	4.87	-88.57
		720	336.40	-14.69	-106.71	-35.99	-85.41	38.81	109.86	14.22	64.37	59.72	-47.76
		709	769.91	13.23	-100.61	-1.84	-85.53	38.59	308.13	130.77	131.28	307.62	-9.52
		734	710.11	7.21	-85.32	-7.59	-70.51	33.92	265.00	45.60	57.83	252.77	-50.34
506	4	703	498.54	-4.82	-111.50	-19.00	-97.32	36.21	93.10	-104.56	-0.24	-11.22	-98.68
		720	385.69	-7.51	-123.55	-23.73	-107.32	40.24	120.70	-6.25	72.22	42.22	-61.68
		709	737.66	6.90	-121.46	-6.80	-107.76	39.64	288.08	129.91	133.48	284.52	-23.47
		734	693.25	4.13	-110.30	-9.29	-96.88	36.81	250.39	41.70	61.01	231.08	-60.47
506	5	703	469.04	-5.57	-101.92	-17.92	-89.57	32.21	84.85	-102.31	-3.05	-14.41	-93.41
		720	348.87	-8.13	-111.85	-22.12	-97.86	35.43	110.41	-4.80	68.44	37.17	-55.44
		709	721.63	5.09	-110.03	-6.79	-98.15	35.02	284.44	128.95	131.27	282.12	-18.86
		734	678.62	2.45	-100.88	-9.14	-89.29	32.61	247.72	42.61	59.79	230.54	-56.82
506	6	703	463.54	-5.66	-123.54	-17.65	-111.56	35.63	85.05	-96.28	-4.87	-6.37	-90.66
		720	347.61	-7.55	-135.11	-21.49	-121.17	39.80	108.39	1.16	65.50	44.06	-52.53
		709	744.77	3.60	-133.89	-8.51	-121.77	38.98	287.78	126.47	128.27	285.99	-16.91
		734	702.58	1.64	-122.74	-10.15	-110.95	36.44	251.24	42.23	57.90	235.56	-55.05
506	7	703	452.62	-5.59	-116.49	-17.57	-104.51	34.42	83.40	-94.00	-4.55	-6.05	-88.70
		720	339.13	-7.84	-127.37	-21.62	-113.58	38.18	106.83	2.13	65.31	43.65	-51.22
		709	727.72	4.50	-125.94	-7.39	-114.04	37.55	282.66	125.32	127.01	280.97	-16.23
		734	685.77	2.18	-115.61	-9.39	-104.05	35.05	246.50	41.91	57.14	231.27	-53.71
506	8	703	346.85	-6.86	-68.87	-21.67	-54.05	26.44	67.22	-68.51	-7.45	6.17	-67.52
		720	259.92	-11.70	-83.36	-28.95	-66.11	30.63	84.66	11.90	48.37	48.19	-36.38
		709	593.98	10.78	-78.25	-1.25	-66.23	30.44	237.41	99.07	99.43	237.05	-7.05
		734	547.43	5.95	-65.79	-5.90	-53.94	26.64	204.11	34.53	43.62	195.02	-38.19
506	9	703	324.74	-4.27	-82.53	-13.11	-73.68	24.78	59.71	-67.52	-3.67	-4.14	-63.62
		720	241.28	-6.33	-89.63	-16.29	-79.66	27.03	76.66	2.72	47.59	31.80	-36.12
		709	527.55	4.02	-88.39	-4.54	-79.83	26.79	205.79	91.72	92.78	204.73	-10.94
		734	497.56	1.90	-81.81	-6.40	-73.52	25.02	179.50	30.82	41.53	168.79	-38.44
506	10	703	322.91	-5.91	-64.47	-17.62	-52.75	23.43	60.90	-66.41	-5.65	0.14	-63.59
		720	238.20	-9.66	-75.71	-23.24	-62.12	26.70	77.76	8.18	47.02	38.93	-34.55
		709	542.23	8.14	-72.23	-1.87	-62.22	26.54	216.75	94.17	94.64	216.28	-7.52
		734	501.53	4.32	-62.43	-5.45	-52.66	23.59	186.72	32.74	41.97	177.49	-36.55
506	11	703	329.14	-4.01	-83.88	-12.41	-75.49	24.50	60.05	-69.47	-3.31	-6.10	-64.75
		720	244.72	-5.49	-91.69	-15.19	-81.99	27.25	77.15	0.73	47.65	30.23	-37.20
		709	528.32	2.83	-90.75	-5.57	-82.35	26.75	205.47	91.76	92.96	204.27	-11.62
		734	497.44	1.30	-83.30	-6.87	-75.12	24.99	179.12	30.82	42.01	167.93	-39.17
507	1	709	790.19	26.54	-151.38	-27.22	-97.62	-81.70	34.72	-258.52	-252.39	28.60	41.94
		341	2052.57	23.32	-164.28	-28.22	-112.74	-83.74	-34.21	-765.96	-717.70	-82.47	181.61
		401	1752.89	24.50	-165.38	-29.22	-111.67	-85.52	-183.21	-715.27	-676.64	-221.84	138.07
		721	518.81	23.94	-150.77	-28.14	-98.69	-79.91	-110.75	-211.36	-211.34	-110.78	-1.61
507	2	709	802.54	20.80	-124.62	-22.12	-81.71	-66.33	24.08	-273.82	-267.97	18.23	41.31
		341	2117.74	18.62	-132.81	-22.94	-91.26	-67.57	-47.01	-800.71	-750.44	-97.28	188.05
		401	1811.43	20.31	-133.17	-22.31	-90.54	-68.74	-193.48	-743.65	-703.47	-233.66	143.14
		721	535.33	19.74	-123.98	-21.82	-82.42	-65.16	-118.02	-221.13	-221.01	-118.15	-3.59
507	3	709	800.86	28.69	-125.29	-10.45	-86.15	-67.04	35.81	-261.21	-253.31	27.91	47.80
		341	2063.24	25.38	-150.47	-10.94	-114.15	-71.19	-33.20	-767.61	-714.60	-86.21	190.06
		401	1740.69	19.80	-154.05	-21.83	-112.41	-74.19	-178.76	-709.22	-667.03	-220.95	143.53
		721	494.57	19.69	-126.01	-18.43	-87.89	-64.03	-106.81	-205.76	-205.75	-106.83	1.26
507	4	709	816.68	30.98	-141.73	-15.97	-94.78	-76.84	36.38	-267.53	-263.44	32.29	35.01
		341	2043.14	27.85	-163.29	-16.22	-119.22	-80.51	-31.17	-758.42	-712.77	-76.82	176.39
		401	1720.06	22.37	-167.02	-26.92	-117.73	-83.10	-174.42	-699.53	-662.59	-211.36	134.28
		721	521.84	22.62	-142.65	-23.76	-96.26	-74.26	-101.79	-213.72	-213.26	-102.25	-7.11
507	5	709	800.40	24.34	-132.81	-20.58	-87.90	-71.00	30.96	-267.36	-262.70	26.29	37.01
		341	2053.72	20.60	-150.13	-21.74	-107.80	-73.73	-37.36	-769.06	-721.98	-84.44	179.54
		401	1742.29	21.22	-151.72	-24.08	-106.41	-76.04	-181.05	-711.46	-673.47	-219.03	136.76
		721	521.50	20.48	-132.26	-22.50	-89.28	-68.69	-107.98	-214.50	-214.19	-108.30	-5.76
507	6	709	800.57	27.25	-154.73	-28.39	-99.09	-83.85	34.71	-262.43	-256.56	28.84	41.34

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		341	2061.67	23.95	-167.94	-29.37	-114.62	-85.96	-33.95	-768.89	-720.67	-82.17	181.98
		401	1757.00	24.96	-169.16	-30.68	-113.52	-87.78	-182.40	-716.37	-677.49	-221.28	138.74
		721	524.46	24.45	-154.17	-29.53	-100.19	-82.02	-110.23	-213.42	-213.38	-110.27	-1.90
507	7	709	778.33	26.07	-146.33	-25.76	-94.49	-79.05	33.65	-255.53	-249.97	28.08	39.72
		341	2007.25	22.50	-161.32	-26.81	-112.00	-81.44	-33.33	-748.73	-701.64	-80.42	177.40
		401	1707.20	23.33	-162.75	-28.65	-110.77	-83.49	-177.48	-696.18	-658.28	-215.39	135.00
		721	507.28	22.76	-145.77	-27.29	-95.72	-77.01	-106.81	-206.68	-206.61	-106.88	-2.68
507	8	709	616.85	23.14	-97.48	-7.08	-67.25	-52.27	28.55	-199.94	-193.47	22.08	37.90
		341	1583.38	20.62	-118.19	-7.37	-90.19	-55.69	-24.25	-587.75	-546.65	-65.35	146.52
		401	1335.74	15.39	-121.23	-17.05	-88.79	-58.13	-135.74	-543.43	-510.71	-168.45	110.76
		721	377.94	15.40	-98.20	-14.14	-68.66	-49.83	-80.96	-157.58	-157.53	-81.02	2.14
507	9	709	560.74	17.88	-103.77	-18.80	-67.08	-55.83	23.67	-184.80	-180.70	19.57	28.94
		341	1460.06	15.58	-112.78	-19.57	-77.63	-57.23	-25.51	-546.04	-511.75	-59.81	129.13
		401	1244.64	16.74	-113.42	-19.80	-76.87	-58.49	-131.25	-508.59	-481.16	-158.69	97.98
		721	368.56	16.28	-103.24	-19.12	-67.84	-54.57	-79.24	-150.18	-150.11	-79.31	-2.21
507	10	709	566.64	19.03	-89.23	-9.48	-60.71	-47.69	24.23	-186.26	-181.22	19.19	32.20
		341	1465.96	16.62	-105.00	-9.97	-78.42	-50.26	-24.97	-546.95	-510.02	-61.89	133.83
		401	1237.83	14.11	-107.10	-15.70	-77.28	-52.20	-128.79	-505.22	-475.82	-158.19	101.02
		721	354.89	13.90	-89.47	-13.72	-61.85	-45.75	-77.11	-147.01	-147.01	-77.12	-0.61
507	11	709	566.53	18.28	-105.63	-19.45	-67.90	-57.02	23.67	-186.98	-183.02	19.70	28.61
		341	1465.11	15.93	-114.81	-20.21	-78.67	-58.47	-25.37	-547.67	-513.40	-59.64	129.34
		401	1246.91	17.00	-115.52	-20.62	-77.90	-59.75	-130.80	-509.20	-481.63	-158.38	98.35
		721	371.71	16.56	-105.13	-19.89	-68.67	-55.74	-78.95	-151.33	-151.25	-79.03	-2.37
508	1	734	282.11	4.24	-80.52	-0.97	-75.31	20.36	103.00	65.43	65.47	102.96	1.23
		709	425.75	1.93	-140.28	-4.59	-133.75	29.75	139.10	33.51	45.55	127.06	-33.57
		721	422.91	17.95	-137.60	8.32	-127.97	37.48	-36.00	-137.59	-41.50	-132.10	22.98
		704	529.88	17.45	-82.71	15.83	-81.09	12.63	-0.18	-177.60	-21.58	-156.20	57.79
508	2	734	263.89	4.38	-64.36	0.09	-60.07	16.64	99.04	67.29	67.78	98.54	3.92
		709	396.70	2.20	-116.16	-3.21	-110.75	24.73	134.09	33.71	45.85	121.94	-32.74
		721	433.19	15.44	-113.88	7.26	-105.70	31.47	-38.97	-148.68	-44.59	-143.07	24.17
		704	548.28	14.84	-66.33	13.61	-65.11	9.90	-0.38	-188.75	-22.66	-166.47	60.83
508	3	734	288.52	7.10	-64.37	1.37	-58.63	19.42	110.67	65.27	65.71	110.23	4.46
		709	422.74	4.25	-121.54	-2.49	-114.80	28.33	142.57	35.13	44.80	132.90	-30.75
		721	400.48	18.29	-119.25	8.21	-109.17	35.85	-36.26	-133.69	-42.68	-127.27	24.18
		704	509.87	16.79	-66.01	15.04	-64.26	11.90	1.51	-173.23	-21.78	-149.94	59.39
508	4	734	275.82	3.59	-79.52	-2.30	-73.63	21.32	99.22	68.46	69.87	97.82	-6.42
		709	428.35	1.76	-135.06	-5.26	-128.04	30.20	141.77	32.00	51.40	122.37	-41.87
		721	417.78	18.48	-132.59	8.63	-122.74	37.29	-35.58	-137.10	-37.94	-134.74	15.30
		704	522.36	18.13	-81.01	16.04	-78.93	14.24	-2.99	-175.77	-19.47	-159.29	50.75
508	5	734	264.65	4.31	-69.01	-0.78	-63.92	18.64	97.12	68.08	68.24	96.96	-2.15
		709	410.24	1.99	-125.18	-4.25	-118.94	27.47	137.19	32.81	48.92	121.08	-37.71
		721	420.62	16.94	-122.75	7.68	-113.49	34.76	-36.46	-140.86	-40.09	-137.23	19.12
		704	527.25	16.20	-70.87	14.70	-69.37	11.36	-2.00	-180.11	-20.77	-161.35	54.68
508	6	734	281.55	3.96	-81.58	-1.27	-76.36	20.49	102.21	66.13	66.13	102.21	0.01
		709	429.25	1.66	-142.98	-4.93	-136.39	30.16	139.88	33.31	46.51	126.68	-35.12
		721	425.67	18.37	-140.21	8.63	-130.47	38.08	-36.50	-138.14	-41.53	-133.11	22.05
		704	531.97	17.98	-83.86	16.41	-82.28	12.57	-1.03	-178.46	-21.91	-157.57	57.18
508	7	734	273.45	4.02	-77.29	-1.01	-72.26	19.59	99.70	65.16	65.16	99.70	0.04
		709	415.70	1.77	-135.97	-4.56	-129.65	28.83	136.47	33.36	46.35	123.48	-34.21
		721	414.16	17.57	-133.34	8.20	-123.98	36.41	-34.90	-135.00	-39.70	-130.19	21.39
		704	518.10	17.11	-79.45	15.59	-77.93	12.01	-0.69	-174.18	-20.89	-153.97	55.65
508	8	734	224.94	5.68	-50.28	1.12	-45.71	15.32	86.33	49.40	49.76	85.97	3.61
		709	328.36	3.44	-94.87	-1.89	-89.54	22.28	110.21	26.21	33.28	103.14	-23.32
		721	303.22	14.42	-93.10	6.46	-85.14	28.15	-28.27	-100.74	-33.36	-95.66	18.50
		704	386.58	13.20	-51.51	11.79	-50.10	9.46	1.22	-130.93	-16.88	-112.83	45.43
508	9	734	197.31	3.02	-54.75	-0.55	-51.17	13.91	72.33	47.32	47.35	72.29	0.88
		709	298.30	1.38	-96.24	-3.10	-91.76	20.43	98.45	24.72	33.61	89.56	-24.01
		721	303.18	12.39	-94.39	5.74	-87.74	25.80	-25.09	-99.50	-28.91	-95.68	16.42
		704	379.98	12.01	-56.28	10.92	-55.19	8.54	-0.05	-128.06	-15.16	-112.94	41.31
508	10	734	200.77	4.60	-45.77	0.74	-41.91	13.39	76.58	47.24	47.49	76.33	2.67
		709	296.51	2.67	-85.83	-1.93	-81.23	19.64	100.31	25.69	33.19	92.81	-22.44
		721	290.61	12.57	-84.19	5.68	-77.29	24.90	-25.25	-97.30	-29.56	-92.99	17.09
		704	368.76	11.63	-47.00	10.48	-45.85	8.13	0.87	-125.60	-15.27	-109.47	42.20
508	11	734	197.02	2.86	-55.34	-0.72	-51.76	13.99	71.88	47.71	47.72	71.88	0.20
		709	300.28	1.23	-97.75	-3.28	-93.23	20.66	98.90	24.59	34.14	89.35	-24.86
		721	304.72	12.62	-95.84	5.91	-89.13	26.14	-25.35	-99.81	-28.92	-96.24	15.90
		704	381.14	12.30	-56.92	11.24	-55.86	8.51	-0.52	-128.54	-15.35	-113.71	40.97
509	1	721	569.73	40.75	-98.38	-8.07	-49.56	-66.40	38.70	-164.69	-97.37	-28.62	95.71
		401	2464.34	34.06	-143.97	-18.88	-91.03	-81.37	-128.08	-961.64	-870.93	-218.79	259.57
		334	2714.80	15.08	-148.80	-41.06	-92.66	-77.77	284.21	-830.07	-809.41	263.55	150.34
		710	1275.73	23.11	-116.91	-45.87	-47.93	-70.00	454.09	-36.21	-35.84	453.71	-13.53
509	2	721	576.55	32.84	-79.84	-5.00	-41.99	-53.22	36.65	-174.06	-105.36	-32.05	98.78

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		401	2537.02	27.27	-126.59	-15.12	-84.21	-68.74	-135.57	-994.66	-900.76	-229.47	268.05
		334	2791.23	8.95	-130.31	-35.31	-86.04	-64.84	290.24	-856.78	-835.48	268.94	154.84
		710	1312.61	17.39	-96.84	-39.30	-40.15	-57.11	466.77	-40.50	-40.09	466.36	-14.43
509	3	721	583.49	39.22	-88.41	-1.44	-47.76	-59.46	47.19	-165.98	-94.54	-24.25	100.63
		401	2432.51	33.51	-139.54	-12.35	-93.68	-76.37	-124.66	-947.65	-854.59	-217.72	260.63
		334	2664.51	13.54	-143.31	-34.07	-95.70	-72.11	277.03	-814.25	-793.54	256.32	148.90
		710	1263.22	21.81	-105.85	-38.31	-45.74	-63.72	450.05	-33.74	-33.49	449.79	-11.10
509	4	721	552.29	42.03	-99.92	-6.59	-51.30	-67.36	32.95	-161.58	-103.49	-25.14	89.03
		401	2400.29	35.89	-142.76	-16.69	-90.19	-81.41	-125.26	-936.08	-850.84	-210.50	248.69
		334	2643.76	18.07	-147.17	-37.38	-91.72	-78.03	276.33	-807.69	-788.56	257.19	142.75
		710	1256.32	25.05	-116.67	-41.85	-49.77	-70.75	443.14	-41.79	-41.20	442.55	-16.91
509	5	721	552.67	37.91	-88.88	-4.36	-46.61	-59.77	33.53	-164.21	-102.19	-28.50	91.75
		401	2439.92	31.84	-134.44	-14.83	-87.77	-74.72	-128.72	-953.65	-865.23	-217.14	255.19
		334	2687.34	13.11	-138.70	-36.15	-89.44	-71.07	281.66	-821.59	-801.56	261.63	147.32
		710	1270.17	20.66	-106.24	-40.65	-44.94	-63.41	450.80	-39.05	-38.52	450.27	-16.12
509	6	721	571.52	41.40	-99.99	-8.79	-49.80	-67.66	37.48	-165.83	-99.33	-29.02	95.38
		401	2467.02	34.61	-145.09	-19.58	-90.89	-82.47	-128.27	-962.64	-872.09	-218.83	259.53
		334	2715.28	15.77	-150.03	-41.76	-92.49	-78.92	283.50	-830.81	-810.05	262.73	150.70
		710	1274.60	23.81	-118.61	-46.60	-48.20	-71.21	452.90	-37.66	-37.29	452.53	-13.44
509	7	721	553.83	39.86	-95.91	-7.51	-48.54	-64.71	37.28	-160.23	-95.55	-27.40	92.69
		401	2397.23	33.31	-140.34	-18.11	-88.92	-79.27	-124.82	-935.43	-847.15	-213.11	252.53
		334	2638.19	14.70	-145.09	-39.90	-90.50	-75.78	276.61	-806.24	-786.18	256.56	146.00
		710	1243.16	22.40	-114.02	-44.65	-46.97	-68.20	442.66	-34.98	-34.58	442.26	-13.84
509	8	721	452.46	31.00	-69.38	-1.02	-37.37	-46.78	37.27	-127.90	-72.67	-17.96	77.92
		401	1864.88	26.53	-109.20	-9.53	-73.14	-59.95	-94.50	-725.65	-654.12	-166.03	200.08
		334	2040.54	10.95	-112.15	-26.49	-74.71	-56.64	211.23	-623.89	-607.87	195.22	114.52
		710	965.87	17.38	-82.99	-29.80	-35.80	-50.10	343.45	-26.59	-26.43	343.29	-7.64
509	9	721	401.03	27.86	-67.37	-5.21	-34.31	-45.34	27.10	-116.56	-68.86	-20.60	67.66
		401	1750.08	23.27	-99.63	-12.75	-63.61	-55.94	-91.96	-683.68	-619.15	-156.49	184.45
		334	1928.70	9.94	-102.91	-28.19	-64.78	-53.38	202.76	-589.30	-574.74	188.20	106.40
		710	909.26	15.59	-80.23	-31.49	-33.14	-47.90	324.40	-24.76	-24.45	324.09	-10.38
509	10	721	408.64	27.01	-61.83	-1.52	-33.30	-41.48	31.82	-117.28	-67.28	-18.18	70.39
		401	1732.38	22.97	-97.18	-9.13	-65.08	-53.16	-90.05	-675.91	-610.07	-155.90	185.04
		334	1900.76	9.09	-99.86	-24.30	-66.46	-50.23	198.77	-580.51	-565.92	184.19	105.61
		710	902.30	14.87	-74.08	-27.29	-31.92	-44.41	322.15	-23.38	-23.14	321.91	-9.04
509	11	721	402.02	28.21	-68.26	-5.61	-34.44	-46.03	26.42	-117.20	-69.95	-20.83	67.48
		401	1751.57	23.57	-100.25	-13.14	-63.53	-56.55	-92.06	-684.24	-619.79	-156.51	184.42
		334	1928.96	10.32	-103.58	-28.58	-64.69	-54.01	202.37	-589.72	-575.10	187.75	106.61
		710	908.62	15.98	-81.17	-31.90	-33.29	-48.57	323.74	-25.56	-25.25	323.43	-10.33
510	1	704	484.49	10.34	-49.46	6.96	-46.08	-13.80	110.02	-93.85	-2.94	19.11	-101.34
		721	265.02	7.18	-76.64	6.98	-76.44	4.05	87.99	-9.98	65.81	12.20	-41.01
		710	887.91	-8.13	-81.45	-8.21	-81.37	-2.44	362.74	147.35	161.58	348.52	-53.50
		735	1018.95	0.42	-42.44	-0.87	-41.16	-7.31	397.90	50.36	92.84	355.42	-113.83
510	2	704	497.92	8.62	-40.17	5.51	-37.06	-11.93	111.60	-98.76	-3.45	16.30	-104.72
		721	272.30	5.81	-62.42	5.68	-62.29	2.97	90.60	-12.07	67.84	10.68	-42.64
		710	902.88	-7.57	-66.52	-7.67	-66.42	-2.47	372.97	152.37	166.66	358.68	-54.30
		735	1038.91	-0.13	-34.21	-1.41	-32.92	-6.48	407.66	52.00	95.36	364.29	-116.37
510	3	704	481.26	9.71	-42.66	5.82	-38.77	-13.74	111.18	-91.45	-3.70	23.42	-100.40
		721	251.72	5.96	-69.93	5.71	-69.68	4.37	89.37	-2.53	66.62	20.22	-39.66
		710	887.35	-9.06	-74.73	-9.13	-74.66	-2.19	364.30	150.53	162.79	352.05	-49.70
		735	1006.72	-0.26	-35.33	-1.80	-33.79	-7.18	395.50	52.23	92.48	355.25	-110.43
510	4	704	495.03	11.70	-49.17	8.07	-45.54	-14.41	109.34	-98.18	-0.64	11.80	-103.57
		721	292.09	8.60	-78.56	8.32	-78.28	4.93	93.86	-17.04	67.45	9.37	-47.24
		710	861.42	-9.08	-83.71	-9.14	-83.65	-2.14	350.82	141.51	157.30	335.03	-55.28
		735	975.54	0.34	-41.50	-0.99	-40.17	-7.34	380.26	46.40	89.20	337.46	-111.61
510	5	704	490.60	9.02	-43.69	5.78	-40.45	-12.66	109.25	-97.38	-1.76	13.63	-103.03
		721	280.06	5.68	-69.86	5.43	-69.61	4.33	91.35	-15.26	66.96	9.13	-44.78
		710	871.53	-7.39	-74.29	-7.44	-74.24	-1.78	357.38	144.57	159.77	342.17	-54.81
		735	996.31	0.41	-37.00	-0.77	-35.82	-6.56	389.50	48.23	91.06	346.67	-113.06
510	6	704	487.16	10.61	-50.04	7.09	-46.52	-14.19	109.77	-94.98	-2.92	17.71	-101.86
		721	266.42	7.36	-77.61	7.17	-77.42	4.01	87.55	-11.22	65.16	11.17	-41.35
		710	887.28	-8.51	-82.54	-8.60	-82.45	-2.62	362.21	146.97	161.20	347.98	-53.49
		735	1017.14	0.31	-42.86	-1.06	-41.49	-7.56	397.24	50.40	93.13	354.52	-113.99
510	7	704	476.45	9.92	-47.48	6.50	-44.06	-13.58	107.50	-92.84	-2.45	17.11	-99.69
		721	263.46	6.57	-74.66	6.35	-74.44	4.21	87.27	-10.72	65.06	11.49	-41.03
		710	865.52	-7.98	-79.40	-8.05	-79.33	-2.23	353.66	144.22	158.20	339.69	-52.27
		735	989.95	0.41	-40.46	-0.89	-39.17	-7.15	386.85	49.14	90.69	345.31	-110.93
510	8	704	367.16	7.72	-33.44	4.64	-30.36	-10.83	85.29	-69.23	-3.17	19.24	-76.44
		721	188.91	4.79	-54.87	4.59	-54.67	3.44	67.70	-0.89	50.07	16.74	-29.97
		710	679.70	-7.21	-58.66	-7.27	-58.60	-1.73	278.60	114.47	123.64	269.43	-37.70
		735	770.24	-0.24	-27.66	-1.46	-26.44	-5.65	302.46	39.87	70.40	271.93	-84.17
510	9	704	346.74	6.99	-33.73	4.63	-31.38	-9.51	78.36	-67.62	-1.77	12.51	-72.64

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		721	192.19	4.72	-52.57	4.58	-52.43	2.84	63.75	-7.67	48.02	8.06	-29.60
		710	632.31	-5.58	-55.88	-5.63	-55.83	-1.64	258.97	106.13	116.34	248.76	-38.16
		735	725.26	0.28	-28.88	-0.62	-27.98	-5.03	283.59	36.18	66.56	253.21	-81.20
510	10	704	344.83	6.64	-29.96	3.99	-27.31	-9.48	78.98	-66.26	-2.19	14.91	-72.12
		721	184.66	4.04	-48.84	3.87	-48.67	3.02	64.48	-3.50	48.47	12.51	-28.85
		710	631.97	-6.10	-52.15	-6.15	-52.10	-1.50	259.81	107.92	117.02	250.72	-36.04
		735	718.45	-0.10	-24.92	-1.14	-23.89	-4.96	282.25	37.22	66.36	253.11	-79.31
510	11	704	348.24	7.14	-34.06	4.70	-31.62	-9.72	78.23	-68.25	-1.76	11.73	-72.93
		721	192.97	4.82	-53.11	4.68	-52.97	2.81	63.50	-8.36	47.66	7.49	-29.79
		710	631.95	-5.79	-56.49	-5.85	-56.43	-1.74	258.67	105.92	116.13	248.46	-38.15
		735	724.26	0.22	-29.11	-0.73	-28.16	-5.17	283.23	36.20	66.72	252.71	-81.29
511	1	735	632.59	24.12	2.90	20.77	6.24	-7.73	267.67	88.56	90.38	265.85	-17.96
		710	789.35	7.67	-49.19	7.59	-49.11	-2.13	315.05	72.17	100.58	286.64	-78.06
		712	231.32	-10.57	-43.66	-12.40	-41.82	7.58	10.35	-79.14	-22.48	-46.31	-43.13
		737	183.55	10.51	-27.38	-15.83	-1.04	-17.45	-25.73	-74.06	-32.69	-67.09	16.98
511	2	735	645.34	19.39	2.92	16.69	5.62	-6.10	273.40	91.52	93.35	271.57	-18.13
		710	801.06	6.07	-39.93	6.03	-39.89	-1.44	321.75	72.97	102.85	291.88	-80.87
		712	241.65	-8.28	-35.58	-9.92	-33.93	6.50	10.41	-83.63	-24.61	-48.62	-45.46
		737	185.95	8.87	-21.76	-12.56	-0.33	-14.04	-26.99	-76.04	-34.11	-68.92	17.28
511	3	735	622.13	21.67	4.01	18.76	6.91	-6.54	263.36	88.61	90.18	261.79	-16.48
		710	770.30	6.86	-44.37	6.83	-44.34	-1.27	308.54	71.89	99.69	280.74	-76.19
		712	226.92	-8.90	-39.69	-10.93	-37.65	7.65	10.53	-77.97	-22.26	-45.17	-42.74
		737	177.01	10.18	-23.79	-13.83	0.22	-15.47	-24.50	-71.39	-31.77	-64.12	16.97
511	4	735	599.76	23.90	2.52	20.54	5.88	-7.78	254.16	86.38	88.56	251.98	-19.00
		710	760.23	7.58	-48.79	7.49	-48.70	-2.27	302.45	66.44	97.28	271.60	-79.55
		712	241.47	-10.62	-43.24	-12.35	-41.51	7.32	10.95	-82.70	-24.26	-47.49	-45.36
		737	179.05	10.27	-27.36	-15.78	-1.31	-17.37	-27.20	-72.89	-32.98	-67.11	15.19
511	5	735	617.39	22.17	3.14	19.21	6.10	-6.90	261.43	87.65	89.68	259.40	-18.67
		710	775.00	7.15	-44.84	7.09	-44.79	-1.75	309.65	69.34	99.18	279.81	-79.25
		712	236.41	-9.48	-39.89	-11.28	-38.09	7.18	10.71	-81.25	-23.53	-47.01	-44.45
		737	181.30	9.76	-24.78	-14.42	-0.59	-15.83	-26.65	-73.80	-33.03	-67.42	16.13
511	6	735	631.33	24.20	2.90	20.84	6.27	-7.77	267.17	88.62	90.47	265.32	-18.07
		710	788.75	7.68	-49.41	7.60	-49.33	-2.14	314.70	71.86	100.56	286.00	-78.40
		712	233.20	-10.61	-43.86	-12.45	-42.01	7.61	10.38	-79.82	-22.74	-46.71	-43.48
		737	183.85	10.56	-27.49	-15.89	-1.04	-17.52	-25.97	-74.24	-32.83	-67.38	16.85
511	7	735	613.47	23.40	2.91	20.21	6.10	-7.43	259.69	86.55	88.38	257.87	-17.69
		710	766.80	7.51	-47.46	7.43	-47.39	-2.03	306.23	70.36	98.54	278.05	-76.50
		712	227.14	-10.18	-42.15	-11.99	-40.34	7.37	10.59	-77.53	-21.64	-45.30	-42.44
		737	178.58	10.16	-26.44	-15.33	-0.94	-16.82	-25.15	-72.13	-31.80	-65.48	16.37
511	8	735	476.31	16.95	3.16	14.67	5.43	-5.12	201.55	67.50	68.65	200.39	-12.39
		710	589.27	5.35	-34.78	5.33	-34.76	-0.98	235.68	54.52	75.46	214.73	-57.93
		712	172.82	-6.96	-31.12	-8.56	-29.51	6.01	7.59	-59.60	-17.51	-34.51	-32.50
		737	135.32	8.00	-18.62	-10.81	0.19	-12.12	-18.68	-54.48	-24.32	-48.85	13.03
511	9	735	449.58	16.56	2.08	14.29	4.35	-5.27	190.34	63.48	64.81	189.01	-12.91
		710	561.04	5.29	-33.71	5.23	-33.66	-1.43	224.42	51.95	72.54	203.83	-55.91
		712	165.51	-7.21	-29.94	-8.50	-28.66	5.24	7.93	-56.41	-15.49	-32.99	-30.96
		737	130.38	7.24	-18.73	-10.85	-0.65	-11.94	-18.30	-52.72	-23.22	-47.80	12.04
511	10	735	443.76	15.20	2.69	13.17	4.72	-4.61	187.95	63.51	64.70	186.76	-12.09
		710	550.47	4.84	-31.03	4.81	-31.01	-0.95	220.80	51.80	72.04	200.56	-54.88
		712	163.08	-6.29	-27.73	-7.68	-26.34	5.28	8.04	-55.76	-15.37	-32.36	-30.75
		737	126.75	7.05	-16.74	-9.74	0.05	-10.84	-17.63	-51.23	-22.71	-46.16	12.04
511	11	735	448.88	16.61	2.08	14.32	4.37	-5.29	190.06	63.52	64.86	188.72	-12.97
		710	560.71	5.29	-33.83	5.24	-33.78	-1.43	224.22	51.77	72.52	203.48	-56.10
		712	166.56	-7.24	-30.05	-8.52	-28.76	5.26	7.95	-56.79	-15.63	-33.21	-31.16
		737	130.56	7.27	-18.80	-10.88	-0.65	-11.98	-18.44	-52.82	-23.29	-47.97	11.97
512	1	710	954.60	33.87	-99.78	-60.23	-5.68	-61.01	128.57	-266.67	-262.40	124.30	40.86
		334	2443.25	25.96	-129.52	-36.70	-66.86	-76.26	70.48	-869.20	-846.09	47.38	145.54
		429	2418.25	-26.10	-212.56	-171.09	-67.57	-77.54	16.49	-872.60	-853.90	-2.21	127.57
		712	927.40	17.81	-161.50	-138.72	-4.98	-59.72	76.23	-271.72	-270.21	74.71	22.89
512	2	710	988.03	31.80	-84.98	-51.49	-1.68	-52.81	129.93	-279.66	-275.34	125.60	41.89
		334	2511.88	19.12	-121.10	-32.86	-69.12	-67.73	70.86	-894.68	-870.36	46.53	151.30
		429	2464.15	-26.69	-187.84	-145.93	-68.60	-70.69	17.43	-895.15	-875.33	-2.40	133.04
		712	945.38	16.33	-136.28	-117.74	-2.20	-49.85	78.22	-281.86	-280.31	76.66	23.62
512	3	710	940.38	32.90	-89.64	-52.50	-4.24	-56.32	125.91	-264.58	-260.23	121.57	40.97
		334	2384.14	25.08	-122.01	-30.50	-66.43	-71.32	68.99	-846.86	-823.22	45.35	145.24
		429	2340.62	-26.28	-198.40	-157.87	-66.81	-73.03	17.27	-846.06	-826.88	-1.92	127.26
		712	903.19	16.86	-147.68	-126.94	-3.87	-54.60	75.86	-265.45	-263.89	74.30	22.99
512	4	710	942.23	33.92	-96.79	-57.00	-5.88	-60.15	121.64	-267.41	-263.90	118.13	36.81
		334	2369.70	28.72	-125.60	-32.10	-64.78	-75.41	67.38	-842.66	-820.74	45.46	139.53
		429	2344.08	-26.14	-211.96	-172.25	-65.86	-76.17	19.10	-842.84	-824.76	1.01	123.54
		712	919.38	17.73	-161.31	-138.78	-4.80	-59.38	74.94	-269.17	-267.91	73.68	20.82
512	5	710	950.63	33.16	-91.05	-53.83	-4.06	-56.91	125.48	-268.29	-264.41	121.60	38.87

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		334	2414.52	25.02	-123.42	-31.52	-66.89	-72.09	69.37	-858.37	-835.71	46.72	143.20
		429	2380.38	-26.64	-201.27	-160.62	-67.28	-73.80	18.05	-859.82	-841.26	-0.51	126.30
		712	920.58	17.14	-150.09	-129.28	-3.67	-55.19	75.77	-271.36	-269.96	74.37	21.96
512	6	710	957.69	33.73	-100.78	-61.31	-5.74	-61.25	128.08	-268.01	-263.76	123.83	40.82
		334	2442.55	25.21	-130.33	-38.13	-66.98	-76.42	69.67	-869.68	-846.45	46.44	145.90
		429	2416.81	-25.88	-212.58	-170.84	-67.62	-77.79	16.28	-872.26	-853.53	-2.45	127.64
		712	929.38	17.79	-161.73	-138.83	-5.10	-59.89	76.40	-272.31	-270.84	74.93	22.56
512	7	710	930.35	32.67	-96.76	-58.68	-5.41	-58.98	125.19	-259.84	-255.82	121.17	39.14
		334	2369.13	24.44	-125.70	-36.29	-64.96	-73.69	68.51	-842.91	-820.46	46.07	141.27
		429	2342.19	-25.17	-205.02	-164.63	-65.56	-75.05	16.25	-845.27	-827.19	-1.83	123.52
		712	901.40	17.20	-155.66	-133.65	-4.81	-57.62	74.63	-263.90	-262.54	73.27	21.39
512	8	710	719.86	25.43	-70.00	-41.00	-3.57	-43.89	95.70	-203.06	-199.60	92.24	31.97
		334	1826.67	19.71	-94.46	-23.78	-50.96	-55.44	52.18	-649.18	-630.87	33.86	111.84
		429	1794.49	-20.13	-154.22	-123.03	-51.33	-56.66	12.98	-648.42	-633.53	-1.91	98.10
		712	692.49	13.06	-115.25	-98.99	-3.20	-42.68	57.74	-203.54	-202.26	56.46	18.24
512	9	710	679.02	23.76	-68.67	-41.35	-3.57	-42.18	92.11	-189.30	-186.39	89.21	28.44
		334	1733.27	17.78	-90.43	-25.16	-47.49	-52.94	50.76	-616.14	-599.85	34.47	102.95
		429	1712.35	-18.59	-147.52	-118.24	-47.87	-54.01	12.09	-618.28	-605.13	-1.06	90.09
		712	657.36	12.43	-111.35	-95.73	-3.19	-41.10	54.67	-192.66	-191.67	53.68	15.58
512	10	710	671.11	23.21	-63.03	-37.05	-2.77	-39.57	90.63	-188.13	-185.19	87.69	28.50
		334	1700.41	17.31	-86.27	-21.72	-47.24	-50.20	49.93	-603.72	-587.14	33.35	102.78
		429	1669.21	-18.68	-139.67	-110.90	-47.44	-51.51	12.52	-603.53	-590.11	-0.89	89.92
		712	643.91	11.91	-103.67	-89.19	-2.57	-38.26	54.46	-189.17	-188.16	53.45	15.63
512	11	710	680.73	23.68	-69.23	-41.95	-3.60	-42.31	91.84	-190.04	-187.15	88.95	28.41
		334	1732.87	17.36	-90.87	-25.96	-47.55	-53.03	50.31	-616.41	-600.05	33.95	103.15
		429	1711.55	-18.47	-147.53	-118.11	-47.90	-54.15	11.98	-618.09	-604.92	-1.19	90.13
		712	658.47	12.42	-111.47	-95.79	-3.26	-41.19	54.76	-192.98	-192.02	53.80	15.39
513	1	393	2195.40	-70.73	-322.46	-244.13	-149.05	-116.54	67.08	-734.94	-721.50	53.64	-102.95
		765	1165.57	12.78	-297.06	-244.13	-40.14	-116.61	37.78	-344.37	-322.76	16.18	-88.26
		751	1112.37	113.47	-128.66	24.95	-40.14	-116.61	15.52	-381.55	-318.29	-47.75	-145.32
		158	2056.51	83.39	-207.49	24.95	-149.05	-116.54	24.26	-751.57	-717.02	-10.28	-160.01
513	2	393	2177.92	-70.90	-303.14	-228.26	-145.78	-108.55	68.24	-732.21	-719.06	55.09	-101.77
		765	1150.53	12.88	-277.18	-228.26	-36.04	-108.61	37.13	-343.82	-322.66	15.97	-87.25
		751	1103.88	111.05	-116.24	30.85	-36.04	-108.61	16.44	-381.20	-318.17	-46.59	-145.23
		158	2059.03	82.47	-197.40	30.85	-145.78	-108.55	26.94	-748.98	-714.56	-7.48	-159.75
513	3	393	2164.29	-70.70	-304.33	-230.19	-144.84	-108.75	68.77	-726.24	-713.30	55.83	-100.61
		765	1145.49	12.44	-278.99	-230.19	-36.36	-108.81	36.29	-342.02	-321.29	15.56	-86.10
		751	1098.41	112.71	-115.78	33.29	-36.36	-108.81	17.20	-379.16	-316.61	-45.35	-144.50
		158	2047.31	84.79	-196.34	33.29	-144.84	-108.75	29.19	-742.89	-708.62	-5.08	-159.01
513	4	393	2169.74	-68.13	-289.26	-217.21	-140.18	-103.64	68.90	-731.72	-719.72	56.90	-97.28
		765	1139.14	12.12	-264.10	-217.21	-34.77	-103.70	37.76	-342.67	-322.55	17.64	-85.15
		751	1097.24	107.89	-110.15	32.51	-34.77	-103.70	15.86	-381.21	-320.10	-45.25	-143.29
		158	2062.90	81.06	-188.73	32.51	-140.18	-103.64	26.49	-749.74	-717.27	-5.99	-155.42
513	5	393	2234.36	-69.29	-300.77	-227.32	-142.73	-107.73	69.31	-752.89	-739.68	56.11	-103.37
		765	1174.55	12.58	-275.76	-227.32	-35.86	-107.80	37.83	-352.89	-331.54	16.49	-88.80
		751	1129.47	108.85	-116.16	28.56	-35.86	-107.80	16.15	-391.04	-327.20	-47.69	-148.06
		158	2112.86	80.54	-194.72	28.56	-142.73	-107.73	26.64	-770.05	-735.34	-8.08	-162.63
513	6	393	2203.56	-70.16	-326.33	-248.69	-147.80	-117.73	68.09	-736.10	-722.70	54.69	-102.94
		765	1167.23	12.38	-301.84	-248.69	-40.77	-117.80	37.07	-344.32	-323.26	16.01	-87.10
		751	1111.73	114.46	-130.16	25.07	-40.77	-117.80	16.09	-380.73	-317.71	-46.93	-145.04
		158	2059.97	84.69	-207.42	25.07	-147.80	-117.73	26.55	-751.94	-717.14	-8.25	-160.87
513	7	393	2130.58	-67.89	-314.92	-239.78	-143.02	-113.65	66.30	-711.64	-698.59	53.25	-99.91
		765	1131.43	11.95	-291.15	-239.78	-39.41	-113.71	36.55	-333.70	-312.89	15.74	-85.27
		751	1079.67	110.85	-125.46	24.80	-39.41	-113.71	15.97	-369.75	-308.14	-45.64	-141.31
		158	1993.68	82.16	-200.37	24.80	-143.02	-113.65	25.66	-727.65	-693.84	-8.14	-155.95
513	8	393	1663.37	-54.52	-234.77	-177.56	-111.73	-83.90	52.43	-558.30	-548.50	42.63	-76.72
		765	878.68	9.59	-215.21	-177.56	-28.07	-83.95	27.44	-262.34	-246.76	11.86	-65.37
		751	840.91	86.93	-89.35	25.65	-28.07	-83.95	12.80	-290.42	-242.96	-34.66	-110.17
		158	1572.84	65.39	-151.47	25.65	-111.73	-83.90	22.16	-570.75	-544.70	-3.89	-121.52
513	9	393	1554.02	-49.91	-226.24	-171.37	-104.78	-81.64	48.26	-520.13	-510.48	38.61	-73.44
		765	826.59	8.97	-208.37	-171.37	-28.03	-81.68	27.14	-244.51	-228.90	11.53	-63.22
		751	791.06	80.12	-89.73	18.42	-28.03	-81.68	11.67	-271.37	-225.90	-33.81	-103.94
		158	1458.00	59.09	-145.45	18.42	-104.78	-81.64	18.06	-532.27	-507.48	-6.73	-114.15
513	10	393	1536.73	-49.90	-216.17	-163.62	-102.44	-77.31	49.20	-515.30	-505.92	39.82	-72.13
		765	815.41	8.78	-198.33	-163.62	-25.93	-77.35	26.31	-243.20	-228.08	11.19	-62.03
		751	783.30	79.70	-82.57	23.05	-25.93	-77.35	12.60	-270.04	-224.96	-32.48	-103.48
		158	1452.90	59.87	-139.26	23.05	-102.44	-77.31	20.80	-527.45	-502.81	-3.84	-113.59
513	11	393	1558.56	-49.60	-228.39	-173.91	-104.09	-82.30	48.82	-520.77	-511.14	39.19	-73.43
		765	827.50	8.75	-211.03	-173.91	-28.38	-82.34	26.74	-244.48	-229.18	11.44	-62.58
		751	790.70	80.67	-90.56	18.48	-28.38	-82.34	11.98	-270.91	-225.58	-33.35	-103.78
		158	1459.93	59.81	-145.41	18.48	-104.09	-82.30	19.34	-532.48	-507.54	-5.60	-114.63
514	1	158	2729.09	49.13	-233.58	35.85	-220.30	-59.82	28.77	-994.42	-878.93	-86.72	-323.78

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		751	1139.44	65.16	-163.37	39.42	-137.63	-72.25	232.89	-237.53	-78.84	74.20	-222.42
		767	1178.38	34.27	-164.49	6.84	-137.06	-68.55	395.39	-65.10	-0.66	330.95	-159.75
		469	2741.14	24.99	-237.28	8.58	-220.87	-63.51	235.80	-866.52	-800.75	170.03	-261.11
514	2	158	2731.67	48.44	-215.85	39.63	-207.03	-47.46	30.95	-991.87	-876.70	-84.23	-323.32
		751	1127.78	63.12	-142.66	43.83	-123.37	-59.97	233.37	-237.55	-78.79	74.61	-222.62
		767	1176.12	25.23	-144.27	3.84	-122.88	-56.29	393.36	-68.04	-1.90	327.21	-161.69
		469	2737.84	17.80	-219.13	6.19	-207.53	-51.14	234.91	-866.35	-799.80	168.37	-262.40
514	3	158	2710.73	49.45	-215.76	41.77	-208.09	-44.45	33.65	-981.22	-867.16	-80.41	-320.54
		751	1119.75	63.64	-139.23	45.80	-121.39	-57.46	230.61	-238.26	-81.40	73.75	-221.23
		767	1175.98	27.63	-140.19	8.27	-120.83	-53.61	389.70	-73.27	-5.64	322.07	-163.51
		469	2722.39	20.56	-218.83	10.38	-208.65	-48.30	235.20	-858.69	-791.40	167.91	-262.82
514	4	158	2741.86	46.64	-213.27	40.48	-207.11	-39.52	32.03	-992.52	-881.74	-78.75	-318.16
		751	1130.30	60.46	-131.26	44.21	-115.01	-53.40	239.64	-235.83	-78.38	82.19	-223.77
		767	1194.40	27.92	-131.40	10.86	-114.35	-49.26	395.16	-74.07	-10.48	331.57	-160.61
		469	2768.16	20.89	-216.12	12.55	-207.78	-43.67	232.76	-875.97	-813.84	170.63	-255.00
514	5	158	2792.90	47.61	-210.76	37.70	-200.85	-49.63	30.39	-1016.57	-899.92	-86.26	-329.42
		751	1161.75	61.73	-143.72	41.50	-123.49	-61.21	240.31	-244.99	-83.08	78.41	-228.82
		767	1201.90	27.75	-145.17	5.59	-123.02	-57.80	399.44	-73.90	-7.71	333.26	-164.16
		469	2798.92	20.37	-214.01	7.68	-201.32	-53.05	234.76	-890.72	-824.55	168.59	-264.75
514	6	158	2722.88	50.37	-230.49	36.16	-216.28	-61.56	30.10	-992.15	-876.33	-85.72	-324.01
		751	1142.58	65.68	-165.22	39.54	-139.07	-73.17	233.39	-238.33	-80.48	75.54	-222.58
		767	1177.17	36.42	-166.33	8.64	-138.55	-69.72	394.26	-65.71	-1.73	330.28	-159.17
		469	2729.65	27.60	-234.09	10.31	-216.80	-65.01	234.80	-863.36	-797.58	169.02	-260.60
514	7	158	2643.86	48.59	-223.91	35.39	-210.71	-58.50	29.64	-962.72	-850.22	-82.86	-314.62
		751	1109.78	63.59	-158.67	38.72	-133.79	-70.07	228.10	-230.33	-75.91	73.68	-216.67
		767	1145.44	34.71	-159.70	8.28	-133.27	-66.63	384.35	-62.96	-0.32	321.72	-155.22
		469	2653.70	26.07	-227.40	9.91	-211.24	-61.94	229.04	-838.49	-774.63	165.18	-253.17
514	8	158	2078.54	38.08	-166.90	32.21	-161.03	-34.19	25.52	-752.32	-665.35	-61.45	-245.12
		751	855.42	49.04	-107.38	35.27	-93.62	-44.31	175.20	-182.98	-63.92	56.14	-168.73
		767	900.86	21.77	-108.02	6.92	-93.18	-41.31	297.83	-56.97	-5.46	246.31	-125.00
		469	2088.10	16.27	-169.25	8.49	-161.47	-37.19	180.24	-658.41	-606.88	128.72	-201.39
514	9	158	1938.45	34.81	-162.70	25.88	-153.77	-41.04	21.32	-705.76	-623.23	-61.22	-230.65
		751	812.04	45.94	-113.26	28.48	-95.81	-49.74	167.27	-168.63	-54.63	53.27	-159.05
		767	838.57	23.23	-114.17	4.49	-95.42	-47.16	281.70	-46.14	0.32	235.24	-114.34
		469	1946.19	16.93	-165.28	5.80	-154.16	-43.62	167.73	-615.25	-568.28	120.76	-185.94
514	10	158	1928.26	34.98	-152.79	29.17	-146.99	-32.50	24.03	-698.43	-616.69	-57.71	-228.85
		751	801.07	45.10	-99.86	32.03	-86.78	-41.53	165.99	-169.03	-56.05	53.02	-158.39
		767	837.29	19.54	-100.66	5.28	-86.40	-38.86	278.55	-50.69	-2.45	230.31	-116.43
		469	1935.79	14.45	-155.01	6.81	-147.37	-35.17	167.40	-610.90	-563.09	119.59	-186.89
514	11	158	1935.00	35.49	-160.97	26.05	-151.54	-42.01	22.06	-704.50	-621.79	-60.66	-230.78
		751	813.77	46.22	-114.29	28.54	-96.61	-50.25	167.54	-169.07	-55.54	54.01	-159.14
		767	837.88	24.43	-115.19	5.49	-96.25	-47.81	281.07	-46.48	-0.27	234.87	-114.02
		469	1939.80	18.37	-163.50	6.76	-151.90	-44.45	167.17	-613.50	-566.52	120.20	-185.65
515	1	469	2385.52	3.01	-266.00	-6.53	-256.47	-49.75	17.85	-859.71	-839.62	-2.24	-131.25
		767	658.57	13.98	-192.39	-1.18	-177.23	-53.83	132.07	-121.42	-106.81	117.47	-59.07
		752	327.02	64.24	-192.49	50.43	-178.68	-57.93	-43.91	-120.39	-112.49	-51.82	-23.28
		159	2195.46	60.66	-261.62	54.06	-255.02	-45.65	-158.26	-858.57	-845.30	-171.53	-95.46
515	2	469	2384.62	-1.59	-236.06	-7.31	-230.34	-36.16	16.80	-862.23	-842.36	-3.07	-130.66
		767	644.98	7.84	-161.23	-2.38	-151.01	-40.29	132.61	-120.13	-104.23	116.71	-61.38
		752	320.55	53.76	-161.95	44.22	-152.40	-44.36	-50.26	-125.99	-115.81	-60.44	-25.83
		159	2200.63	51.10	-232.63	47.43	-228.95	-32.10	-167.05	-867.11	-853.95	-180.21	-95.11
515	3	469	2380.34	0.79	-237.01	-2.46	-233.77	-27.59	20.74	-855.92	-835.89	0.71	-131.00
		767	655.54	9.24	-150.65	2.40	-143.82	-32.35	136.26	-120.59	-103.49	119.16	-64.04
		752	332.68	53.46	-152.15	46.61	-145.30	-36.89	-45.90	-129.28	-117.53	-57.65	-29.02
		159	2199.22	51.38	-234.16	49.51	-232.28	-23.04	-162.70	-863.33	-849.93	-176.10	-95.98
515	4	469	2440.75	1.38	-235.16	-0.97	-232.81	-23.46	22.86	-876.24	-859.06	5.68	-123.09
		767	674.22	9.54	-141.29	3.89	-135.64	-28.64	143.07	-120.04	-108.04	131.07	-54.90
		752	341.07	53.06	-143.10	47.16	-137.19	-33.51	-47.67	-125.70	-122.98	-50.38	-14.31
		159	2252.31	51.13	-232.48	49.91	-231.25	-18.58	-166.15	-883.61	-874.00	-175.77	-82.49
515	5	469	2444.13	1.51	-233.54	-6.08	-225.94	-41.57	13.67	-887.08	-867.19	-6.22	-132.37
		767	665.19	11.45	-167.19	-0.82	-154.92	-45.18	134.33	-125.51	-111.92	120.73	-57.85
		752	328.92	61.81	-167.24	50.85	-156.28	-48.89	-50.37	-121.59	-117.39	-54.56	-16.78
		159	2247.34	59.61	-229.63	54.57	-224.59	-37.86	-169.66	-884.52	-872.67	-181.52	-91.29
515	6	469	2373.02	6.06	-264.39	-4.65	-253.67	-52.76	16.64	-855.98	-835.71	-3.63	-131.44
		767	660.99	17.04	-196.37	0.85	-180.18	-56.49	132.15	-120.88	-107.30	118.57	-57.03
		752	326.69	69.64	-196.09	55.14	-181.59	-60.34	-39.66	-112.86	-108.12	-44.40	-18.02
		159	2177.18	66.56	-259.77	59.06	-252.26	-48.92	-154.08	-849.05	-836.53	-166.60	-92.43
515	7	469	2310.52	4.65	-257.04	-4.63	-247.76	-48.39	17.90	-832.00	-812.66	-1.44	-126.74
		767	641.97	15.32	-186.63	0.74	-172.05	-52.27	130.55	-115.49	-102.01	117.06	-56.00
		752	316.74	66.25	-186.64	53.07	-173.46	-56.21	-39.55	-111.11	-105.93	-44.72	-18.53
		159	2124.01	63.18	-252.74	56.79	-246.35	-44.46	-151.25	-828.57	-816.59	-163.23	-89.28
515	8	469	1826.84	0.98	-183.56	-1.31	-181.27	-20.42	16.13	-656.31	-640.90	0.72	-100.62

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		767	505.14	7.35	-115.40	2.39	-110.44	-24.18	104.20	-93.65	-80.45	91.00	-49.37
		752	259.29	40.75	-116.65	35.69	-111.59	-27.75	-34.36	-100.45	-91.13	-43.68	-23.01
		159	1688.24	39.14	-181.41	37.85	-180.12	-16.85	-123.52	-662.01	-651.57	-133.96	-74.26
515	9	469	1693.66	1.71	-184.55	-4.77	-178.07	-34.12	12.75	-610.77	-596.56	-1.46	-93.06
		767	465.45	9.37	-133.12	-0.97	-122.78	-36.97	94.75	-84.82	-74.35	84.28	-42.08
		752	228.38	45.20	-133.19	35.82	-123.80	-39.83	-32.13	-84.60	-79.16	-37.57	-16.00
		159	1558.90	42.86	-181.50	38.42	-177.05	-31.26	-114.10	-610.58	-601.37	-123.31	-66.98
515	10	469	1690.77	0.36	-168.33	-2.50	-165.46	-21.81	14.36	-608.66	-594.48	0.18	-92.92
		767	463.69	6.67	-109.87	1.02	-104.22	-25.03	97.07	-84.36	-72.50	85.22	-44.83
		752	231.13	39.18	-110.74	33.70	-105.26	-28.14	-33.25	-89.52	-81.96	-40.81	-19.19
		159	1560.98	37.62	-166.15	35.89	-164.42	-18.70	-116.57	-613.22	-603.94	-125.85	-67.27
515	11	469	1686.71	3.40	-183.64	-3.73	-176.52	-35.80	12.08	-608.69	-594.38	-2.23	-93.16
		767	466.73	11.07	-135.33	0.16	-124.42	-38.45	94.78	-84.51	-74.62	84.89	-40.94
		752	227.87	48.20	-135.18	38.44	-125.42	-41.17	-29.81	-80.38	-76.73	-33.45	-13.07
		159	1548.73	46.13	-180.46	41.19	-175.52	-33.07	-111.78	-605.29	-596.49	-120.57	-65.30
516	1	159	2456.85	42.58	-320.02	42.56	-320.00	2.68	-118.99	-940.30	-863.57	-195.72	-239.02
		752	652.87	50.02	-222.87	49.58	-222.43	-10.94	22.37	-221.13	-137.76	-61.00	-115.54
		768	921.94	-26.76	-222.48	-27.01	-222.22	-7.08	281.77	-32.05	-13.84	263.56	-73.37
		474	2461.29	-21.94	-320.21	-21.94	-320.20	-1.19	171.38	-782.19	-739.65	128.84	-196.86
516	2	159	2475.45	38.90	-273.79	38.55	-273.43	10.48	-127.27	-954.43	-876.66	-205.04	-241.41
		752	657.26	45.80	-184.42	45.79	-184.41	-1.86	19.95	-225.96	-137.17	-68.84	-118.11
		768	882.76	-34.49	-184.35	-34.50	-184.33	1.59	273.95	-35.24	-15.31	254.02	-75.92
		474	2464.12	-28.84	-273.71	-29.04	-273.51	7.03	161.15	-798.13	-754.80	117.82	-199.22
516	3	159	2487.57	43.91	-262.97	41.77	-260.83	25.55	-121.92	-953.89	-875.93	-199.87	-242.45
		752	683.78	50.18	-166.60	49.47	-165.89	12.39	26.82	-227.03	-134.97	-65.24	-122.04
		768	882.49	-33.98	-167.77	-35.94	-165.81	16.07	272.72	-40.82	-18.14	250.04	-81.22
		474	2475.70	-28.07	-262.96	-30.13	-260.91	21.87	159.65	-803.35	-759.10	115.40	-201.63
516	4	159	2525.87	47.25	-271.00	43.38	-267.13	34.89	-127.82	-967.32	-899.27	-195.86	-229.11
		752	662.33	52.46	-152.99	50.75	-151.29	18.62	20.87	-218.10	-140.52	-56.71	-111.90
		768	901.02	-24.04	-155.20	-28.32	-150.92	23.30	278.42	-44.20	-29.11	263.33	-68.12
		474	2542.65	-19.57	-271.18	-23.25	-267.50	30.22	160.40	-824.09	-787.87	124.18	-185.33
516	5	159	2507.59	43.60	-282.15	43.10	-281.65	12.77	-130.71	-965.41	-891.36	-204.75	-237.32
		752	654.16	49.89	-188.23	49.89	-188.23	-0.26	16.86	-223.09	-142.40	-63.83	-113.36
		768	912.35	-24.24	-188.12	-24.32	-188.05	3.43	282.14	-34.64	-19.52	267.02	-67.54
		474	2507.97	-19.08	-282.15	-19.39	-281.84	9.08	165.37	-807.76	-768.49	126.10	-191.50
516	6	159	2426.79	45.91	-321.61	45.82	-321.52	5.63	-115.59	-925.82	-851.37	-190.04	-234.04
		752	643.33	52.69	-223.94	52.46	-223.70	-8.07	23.88	-213.25	-135.33	-54.04	-111.38
		768	927.75	-19.27	-223.53	-19.36	-223.45	-4.16	284.61	-26.47	-11.41	269.55	-66.77
		474	2433.38	-14.66	-321.78	-14.67	-321.77	1.72	173.39	-767.29	-727.46	133.55	-189.43
516	7	159	2374.42	44.85	-310.73	44.63	-310.51	8.74	-112.99	-905.51	-833.08	-185.42	-228.37
		752	629.98	51.37	-212.16	51.27	-212.07	-5.04	24.58	-208.13	-130.43	-53.11	-109.74
		768	903.20	-20.48	-211.81	-20.49	-211.80	-1.11	277.73	-26.96	-11.47	262.25	-66.94
		474	2384.44	-15.74	-310.85	-15.82	-310.77	4.80	168.93	-753.11	-714.12	129.95	-185.54
516	8	159	1909.88	33.96	-202.36	32.14	-200.54	20.64	-92.57	-731.65	-671.83	-152.39	-186.15
		752	527.98	38.78	-127.42	38.12	-126.76	10.41	20.85	-174.80	-104.36	-49.59	-93.92
		768	676.80	-26.47	-128.46	-28.23	-126.70	13.27	208.32	-32.80	-15.05	190.57	-62.97
		474	1899.63	-21.95	-202.38	-23.72	-200.61	17.78	121.97	-616.70	-582.51	87.77	-155.21
516	9	159	1746.37	30.33	-221.62	30.29	-221.57	3.28	-85.69	-669.12	-614.64	-140.17	-169.76
		752	462.41	35.45	-153.40	35.24	-153.20	-6.25	16.16	-156.53	-96.55	-43.82	-82.22
		768	652.49	-18.85	-153.16	-18.94	-153.06	-3.55	200.66	-21.73	-8.89	187.82	-51.87
		474	1749.74	-15.34	-221.71	-15.35	-221.71	0.58	121.44	-556.95	-526.98	91.47	-139.40
516	10	159	1763.46	31.01	-189.86	29.85	-188.70	15.99	-87.31	-676.67	-621.51	-142.48	-171.67
		752	479.74	35.47	-122.07	35.18	-121.79	6.71	18.65	-159.83	-95.00	-46.17	-85.84
		768	630.17	-23.02	-122.60	-23.90	-121.72	9.31	195.60	-26.56	-11.28	180.31	-56.23
		474	1757.65	-18.84	-189.83	-19.89	-188.77	13.39	114.93	-568.70	-537.79	84.01	-142.06
516	11	159	1729.65	32.19	-222.51	32.10	-222.42	4.92	-83.80	-661.08	-607.86	-137.01	-166.99
		752	456.88	36.95	-154.02	36.84	-153.91	-4.66	16.98	-152.13	-95.20	-39.95	-79.91
		768	655.61	-14.66	-153.77	-14.69	-153.74	-1.93	202.23	-18.62	-7.54	191.15	-48.20
		474	1734.20	-11.29	-222.61	-11.31	-222.58	2.20	122.56	-548.68	-520.21	94.09	-135.28
517	1	474	2076.81	-29.88	-257.11	-29.88	-257.11	-0.30	-1.67	-754.46	-742.15	-13.97	-95.45
		768	605.89	-25.69	-234.37	-25.69	-234.36	-1.16	72.29	-138.81	-136.75	70.23	-20.74
		753	325.34	23.30	-235.12	23.28	-235.10	-2.49	-67.61	-118.00	-115.61	-70.01	-10.72
		103	1874.66	27.04	-256.37	27.03	-256.37	1.04	-141.61	-733.60	-721.01	-154.21	-85.43
517	2	474	2083.02	-37.42	-203.66	-37.44	-203.64	-1.63	-14.55	-772.80	-760.56	-26.79	-95.55
		768	555.70	-33.17	-191.28	-33.19	-191.26	-1.91	62.11	-139.59	-137.32	59.84	-21.28
		753	338.11	17.97	-191.95	17.94	-191.91	-2.80	-82.34	-122.64	-119.57	-85.41	-10.70
		103	1895.90	21.96	-202.99	21.95	-202.99	-0.74	-159.66	-755.19	-742.81	-172.04	-84.97
517	3	474	2100.20	-35.30	-171.14	-36.54	-169.90	12.91	-15.93	-782.67	-770.61	-28.00	-95.42
		768	540.81	-31.74	-161.56	-33.00	-160.31	12.72	63.71	-137.59	-134.42	60.55	-25.05
		753	350.96	10.50	-161.69	9.66	-160.84	12.01	-91.24	-130.58	-125.28	-96.54	-13.43
		103	1920.81	14.03	-170.37	13.02	-169.36	13.62	-173.14	-773.41	-761.47	-185.08	-83.81
517	4	474	2188.39	-24.25	-185.14	-30.36	-179.03	30.75	-6.76	-806.79	-798.93	-14.62	-78.87

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		768	582.31	-19.67	-141.36	-26.82	-134.22	28.61	76.50	-146.88	-146.55	76.17	-8.59
		753	351.70	15.60	-139.68	10.98	-135.06	26.37	-88.57	-140.56	-140.32	-88.81	3.51
		103	1998.05	19.17	-183.70	13.65	-178.18	33.00	-172.41	-799.89	-792.70	-179.60	-66.77
517	5	474	2137.85	-26.16	-224.64	-26.91	-223.88	12.23	-5.39	-781.83	-772.02	-15.20	-86.71
		768	602.40	-22.32	-190.42	-23.01	-189.73	10.72	74.73	-143.93	-143.29	74.10	-11.81
		753	320.75	21.18	-190.90	20.81	-190.53	8.91	-70.87	-125.02	-125.00	-70.90	1.11
		103	1935.31	24.85	-223.88	24.05	-223.08	14.05	-151.16	-762.76	-753.73	-160.20	-73.79
517	6	474	2058.28	-19.55	-259.59	-20.18	-258.96	12.34	5.26	-739.65	-729.30	-5.10	-87.23
		768	619.19	-15.94	-229.89	-16.51	-229.31	11.06	81.51	-133.09	-132.03	80.44	-15.08
		753	318.05	25.35	-230.39	25.00	-230.04	9.46	-58.70	-113.48	-113.40	-58.78	-2.07
		103	1851.97	28.77	-258.90	28.09	-258.23	13.94	-134.75	-720.23	-710.67	-144.32	-74.22
517	7	474	2020.85	-20.81	-248.71	-21.69	-247.83	14.14	4.98	-727.46	-717.48	-5.00	-84.92
		768	597.51	-17.24	-215.84	-18.05	-215.03	12.68	79.54	-129.51	-128.33	78.36	-15.64
		753	308.31	23.10	-216.28	22.60	-215.78	10.95	-61.50	-113.41	-113.13	-61.77	-3.78
		103	1824.05	26.51	-248.00	25.59	-247.08	15.88	-135.72	-711.69	-702.27	-145.13	-73.05
517	8	474	1611.11	-27.48	-128.75	-28.51	-127.72	10.17	-13.05	-601.27	-591.77	-22.55	-74.13
		768	414.28	-24.81	-123.01	-25.86	-121.96	10.10	47.93	-106.51	-103.83	45.25	-20.16
		753	272.54	7.06	-123.07	6.34	-122.36	9.64	-70.41	-101.77	-96.87	-75.31	-11.39
		103	1474.03	9.72	-128.15	8.89	-127.33	10.64	-133.64	-594.28	-584.81	-143.11	-65.36
517	9	474	1478.47	-20.85	-177.53	-20.87	-177.51	1.64	-1.17	-537.51	-529.18	-9.50	-66.33
		768	426.31	-17.90	-160.08	-17.91	-160.07	0.96	52.26	-97.23	-95.94	50.97	-13.82
		753	228.68	16.44	-160.60	16.44	-160.60	-0.04	-49.23	-83.48	-82.29	-50.43	-6.28
		103	1336.20	19.09	-177.02	19.06	-176.98	2.65	-102.53	-523.90	-515.53	-110.89	-58.79
517	10	474	1491.30	-23.80	-129.83	-24.56	-129.06	8.98	-9.09	-553.19	-544.98	-17.29	-66.32
		768	389.64	-21.20	-119.70	-21.97	-118.93	8.67	47.44	-96.49	-94.64	45.59	-16.21
		753	243.09	9.37	-119.85	8.87	-119.35	8.01	-62.73	-90.10	-87.67	65.17	-7.79
		103	1361.67	11.93	-129.30	11.27	-128.64	9.64	-120.03	-546.03	-538.01	-128.05	-57.89
517	11	474	1468.17	-15.02	-179.00	-15.48	-178.54	8.67	2.70	-529.30	-522.03	-4.57	-61.77
		768	433.71	-12.40	-157.68	-12.81	-157.27	7.75	57.40	-94.07	-93.31	56.64	-10.68
		753	222.20	17.64	-158.04	17.39	-157.80	6.60	-44.13	-81.13	-81.07	-44.19	-1.48
		103	1323.59	20.13	-178.50	19.65	-178.01	9.82	-98.68	-516.51	-509.79	-105.40	-52.57
518	1	103	2088.80	21.42	-200.91	21.21	-200.70	6.83	-122.52	-817.15	-753.04	-186.63	-201.05
		753	549.27	26.12	-251.97	25.38	-251.23	14.29	-5.11	-194.23	-123.34	-76.01	-91.55
		769	771.40	-34.19	-252.93	-34.82	-252.30	11.71	220.13	-25.56	-9.06	203.63	-61.49
		482	2064.53	-29.20	-200.14	-29.72	-199.62	9.41	130.99	-676.75	-638.77	93.01	-170.99
518	2	103	2119.77	16.77	-148.12	16.69	-148.04	-3.57	-138.73	-842.54	-776.51	-204.77	-205.22
		753	552.40	20.81	-208.49	20.69	-208.37	5.25	-14.00	-203.15	-126.55	-90.60	-92.85
		769	723.36	-38.17	-209.56	-38.20	-209.53	2.25	213.48	-26.81	-9.72	196.39	-61.76
		482	2077.19	-33.10	-146.89	-33.10	-146.89	-0.57	121.05	-698.51	-659.67	82.22	-174.13
518	3	103	2162.16	11.01	-92.86	10.97	-92.82	2.01	-150.81	-867.15	-800.19	-217.77	-208.53
		753	560.45	15.95	-165.08	15.09	-164.23	12.38	-17.01	-211.97	-127.88	-101.09	-96.55
		769	681.73	-45.98	-166.18	-46.64	-165.52	8.89	204.18	-33.75	-14.19	184.62	-65.35
		482	2104.33	-40.62	-92.13	-41.22	-91.53	5.51	107.55	-726.10	-686.50	67.95	-177.33
518	4	103	2235.90	24.33	-108.37	16.08	-100.12	32.03	-155.06	-889.03	-835.12	-208.98	-191.48
		753	544.24	29.39	-128.01	21.05	-119.66	35.26	-29.14	-203.37	-139.83	-92.68	-83.86
		769	692.08	-33.18	-133.72	-46.39	-120.52	33.96	205.28	-47.10	-34.42	192.60	-55.13
		482	2212.50	-25.91	-114.41	-41.05	-99.27	33.33	107.92	-761.33	-729.71	76.30	-162.74
518	5	103	2155.28	23.79	-182.59	20.86	-179.65	24.43	-132.16	-843.95	-787.09	-189.02	-192.97
		753	538.13	28.63	-195.73	25.41	-192.51	26.68	-15.11	-192.43	-131.57	-75.97	-84.19
		769	755.60	-31.73	-197.33	-35.82	-193.24	25.71	221.06	-32.67	-20.39	208.78	-54.46
		482	2143.81	-26.79	-183.17	-31.03	-178.93	25.40	128.84	-709.03	-675.92	95.73	-163.24
518	6	103	2061.62	26.88	-209.42	23.35	-205.89	28.70	-116.67	-798.77	-742.08	-173.35	-188.29
		753	537.05	31.90	-235.81	27.83	-231.74	32.76	-4.00	-180.05	-119.89	-64.16	-83.50
		769	768.08	-29.14	-237.39	-33.93	-232.60	31.22	220.10	-24.41	-12.07	207.76	-53.53
		482	2051.94	-23.92	-210.08	-28.96	-205.03	30.23	131.31	-667.00	-634.26	98.57	-158.32
518	7	103	2037.18	25.61	-195.69	21.98	-192.06	28.14	-117.22	-791.36	-735.11	-173.48	-186.44
		753	529.35	30.61	-220.21	26.48	-216.07	31.94	-4.37	-179.80	-117.81	-66.35	-83.86
		769	745.81	-30.30	-221.89	-35.28	-216.91	30.49	214.69	-26.37	-12.99	201.31	-55.19
		482	2027.70	-25.07	-196.49	-30.34	-191.22	29.59	127.06	-663.16	-630.29	94.19	-157.77
518	8	103	1658.94	7.50	-65.97	7.50	-65.97	-0.17	-116.78	-666.63	-614.72	-168.68	-160.77
		753	434.80	11.13	-125.68	10.61	-125.16	8.39	-13.71	-164.23	-98.92	-79.03	-74.60
		769	517.83	-36.20	-126.53	-36.54	-126.19	5.53	154.76	-26.82	-11.45	139.39	-50.54
		482	1610.53	-32.13	-65.16	-32.35	-64.94	2.70	80.48	-558.01	-527.25	49.73	-136.72
518	9	103	1491.60	15.59	-138.65	15.21	-138.28	7.64	-88.37	-583.66	-538.80	-133.23	-142.14
		753	388.35	19.06	-170.50	18.26	-169.69	12.33	-3.98	-137.34	-87.08	-54.25	-64.63
		769	545.43	-24.33	-171.20	-25.11	-170.42	10.68	157.09	-18.05	-6.58	145.62	-43.33
		482	1476.63	-20.75	-138.29	-21.49	-137.55	9.29	93.12	-484.79	-458.31	66.64	-120.84
518	10	103	1532.04	9.80	-78.62	9.52	-78.34	4.97	-104.09	-611.43	-565.00	-150.52	-146.29
		753	389.34	13.48	-122.30	12.54	-121.36	11.27	-10.64	-147.15	-89.60	-68.18	-67.41
		769	495.46	-30.77	-123.11	-31.68	-122.20	9.11	148.18	-22.55	-9.43	135.06	-45.48
		482	1498.39	-26.88	-78.50	-27.88	-77.50	7.12	80.10	-512.20	-484.83	52.72	-124.36
518	11	103	1476.46	18.84	-143.61	16.40	-141.16	19.79	-85.10	-573.46	-532.71	-125.85	-135.05

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		753	381.33	22.43	-161.68	19.62	-158.87	22.59	-3.40	-129.42	-85.16	-47.67	-60.16
		769	543.53	-21.27	-162.82	-24.62	-159.47	21.52	157.07	-17.41	-8.25	147.92	-38.91
		482	1469.63	-17.54	-144.09	-21.07	-140.55	20.85	93.32	-479.39	-455.80	69.73	-113.80
519	1	482	1758.67	-28.73	-189.87	-28.73	-189.86	0.66	-21.00	-653.76	-645.39	-29.37	-72.31
		769	489.90	-24.83	-244.79	-24.89	-244.72	3.87	50.19	-107.21	-106.15	49.13	-12.86
		754	300.76	32.85	-244.90	32.73	-244.77	5.84	-66.65	-93.05	-93.01	-66.69	1.03
		88	1619.13	37.55	-189.82	37.54	-189.81	-1.31	-138.28	-639.16	-632.25	-145.19	-58.43
519	2	482	1776.07	-31.35	-149.46	-34.01	-146.79	-17.53	-34.89	-675.54	-667.21	-43.22	-72.58
		769	447.52	-28.72	-213.32	-29.75	-212.29	-13.73	39.28	-109.90	-109.00	38.37	-11.56
		754	306.18	35.41	-212.84	34.89	-212.32	-11.35	-76.52	-96.21	-95.66	-77.08	3.27
		88	1650.47	42.42	-148.87	40.32	-146.77	-19.91	-152.02	-660.51	-653.86	-158.67	-57.75
519	3	482	1830.63	-31.86	-98.32	-43.38	-86.79	-25.16	-51.00	-706.82	-698.74	-59.07	-72.31
		769	399.27	-35.75	-172.80	-38.87	-169.68	-20.44	27.68	-112.91	-111.93	26.69	-11.71
		754	322.90	32.81	-171.08	31.32	-169.60	-17.36	-92.20	-104.67	-102.96	-93.91	4.29
		88	1708.65	43.43	-93.00	37.31	-86.88	-28.24	-173.53	-695.92	-689.78	-179.68	-56.31
519	4	482	1947.86	-47.21	-84.98	-47.82	-84.37	4.75	-44.34	-749.20	-744.25	-49.29	-58.86
		769	430.48	-42.63	-101.85	-43.25	-101.23	6.05	35.55	-133.06	-132.99	35.48	3.44
		754	336.86	19.32	-102.02	18.98	-101.68	6.39	-92.86	-132.59	-126.02	-99.43	14.76
		88	1818.12	24.04	-84.10	23.86	-83.92	4.41	-180.15	-741.34	-737.28	-184.20	-47.54
519	5	482	1849.80	-34.04	-171.09	-35.32	-169.80	13.23	-20.90	-690.99	-685.17	-26.73	-62.20
		769	481.48	-29.96	-177.55	-31.28	-176.23	13.93	53.50	-118.36	-118.33	53.47	-2.19
		754	300.30	23.62	-177.66	22.66	-176.69	13.88	-69.53	-111.15	-108.62	-72.05	9.94
		88	1709.57	27.72	-170.23	26.83	-169.33	13.28	-147.50	-680.20	-675.45	-152.25	-50.08
519	6	482	1759.05	-25.25	-188.67	-28.89	-185.04	24.10	-13.58	-648.70	-643.00	-19.28	-59.89
		769	485.27	-22.01	-212.51	-25.53	-208.99	25.65	57.78	-105.49	-105.36	57.66	-4.55
		754	295.00	24.68	-212.20	21.70	-209.23	26.38	-63.44	-100.84	-98.96	-65.33	8.18
		88	1620.53	28.06	-187.37	25.49	-184.80	23.37	-137.80	-641.05	-636.59	-142.26	-47.16
519	7	482	1740.78	-27.98	-173.90	-31.02	-170.86	20.84	-16.32	-645.91	-640.07	-22.16	-60.34
		769	464.82	-24.60	-197.25	-27.55	-194.30	22.38	53.95	-104.73	-104.50	53.72	-6.02
		754	293.98	23.50	-197.00	21.05	-194.55	23.08	-68.71	-100.57	-99.45	-69.83	5.86
		88	1609.59	26.99	-172.66	24.94	-170.61	20.15	-140.95	-639.77	-635.02	-145.71	-48.46
519	8	482	1406.24	-21.62	-74.46	-33.93	-62.15	-22.34	-41.52	-543.04	-536.59	-47.97	-56.50
		769	302.87	-27.16	-134.41	-30.42	-131.15	-18.43	18.97	-87.38	-86.49	18.08	-9.68
		754	249.21	26.22	-132.64	24.63	-131.05	-15.84	-71.50	-80.01	-78.90	-72.61	2.86
		88	1309.30	35.69	-68.59	29.35	-62.25	-24.92	-133.77	-533.90	-529.01	-138.66	-43.96
519	9	482	1260.57	-21.21	-129.53	-21.28	-129.47	2.66	-14.84	-469.29	-463.79	-20.33	-49.66
		769	343.01	-18.39	-163.37	-18.55	-163.22	4.67	36.38	-75.95	-75.40	35.82	-7.87
		754	214.21	21.99	-163.49	21.80	-163.30	5.85	-49.41	-67.86	-67.68	-49.59	1.79
		88	1162.74	25.15	-129.40	25.14	-129.39	1.48	-101.23	-460.59	-456.08	-105.74	-40.00
519	10	482	1291.64	-26.44	-75.19	-29.42	-72.20	-11.68	-31.49	-498.77	-493.43	-36.83	-49.66
		769	292.39	-25.50	-122.35	-26.31	-121.53	-8.83	23.87	-79.11	-78.60	23.36	-7.24
		754	226.41	21.37	-121.89	21.02	-121.54	-7.03	-63.39	-74.53	-73.21	-64.71	3.60
		88	1212.37	26.84	-74.03	25.01	-72.20	-13.48	-120.79	-492.14	-488.04	-124.90	-38.83
519	11	482	1260.82	-19.08	-129.07	-21.36	-126.79	15.68	-10.67	-466.51	-462.46	-14.72	-42.76
		769	340.48	-16.68	-145.59	-18.90	-143.37	16.77	40.65	-75.05	-74.96	40.56	-3.26
		754	211.63	17.53	-145.41	15.68	-143.56	17.26	-47.42	-72.39	-70.99	-48.83	5.76
		88	1163.55	20.02	-128.18	18.44	-126.60	15.19	-100.93	-461.68	-458.49	-104.11	-33.74
520	1	88	1807.77	24.56	-154.33	21.89	-151.66	21.69	-114.02	-708.01	-658.94	-163.09	-163.52
		754	470.95	28.99	-250.68	24.69	-246.38	34.42	-4.77	-158.27	-96.63	-66.41	-75.25
		770	701.72	-19.72	-251.67	-23.74	-247.65	30.28	195.06	-16.58	-4.36	182.84	-49.36
		478	1814.06	-14.50	-155.30	-19.40	-150.39	25.83	113.99	-594.50	-566.67	86.16	-137.64
520	2	88	1839.06	22.08	-127.53	22.06	-127.52	1.39	-125.62	-730.06	-679.81	-175.87	-166.87
		754	455.94	25.40	-228.50	24.53	-227.64	14.80	-12.15	-164.18	-100.60	-75.73	-74.99
		770	683.90	-19.26	-229.44	-19.78	-228.91	10.47	195.88	-15.34	-3.87	184.41	-47.86
		478	1839.28	-15.39	-126.53	-15.69	-126.24	5.73	112.35	-611.17	-583.09	84.27	-139.74
520	3	88	1905.85	19.95	-88.01	18.12	-86.18	-13.93	-143.34	-768.59	-716.97	-194.96	-172.07
		754	483.74	20.17	-189.02	20.17	-189.02	-0.22	-22.93	-176.07	-107.82	-91.18	-76.12
		770	656.76	-18.40	-190.39	-18.52	-190.27	-4.62	195.01	-18.98	-7.05	183.08	-49.08
		478	1900.45	-13.54	-86.20	-14.81	-84.93	-9.53	108.34	-645.24	-616.20	79.31	-145.04
520	4	88	2027.02	18.22	-76.88	16.12	-74.79	13.96	-156.91	-815.41	-770.98	-201.34	-165.18
		754	454.74	21.94	-101.45	19.42	-98.93	17.46	-42.89	-182.78	-127.59	-98.08	-68.37
		770	624.40	-25.41	-103.12	-28.94	-99.59	16.18	190.87	-38.11	-28.53	181.29	-45.86
		478	2032.60	-20.89	-78.49	-25.25	-74.13	15.24	104.25	-698.14	-671.92	78.03	-142.67
520	5	88	1906.99	24.80	-149.01	19.18	-143.39	30.74	-125.56	-749.42	-670.32	-169.65	-159.90
		754	454.55	28.74	-175.92	22.72	-169.90	34.57	-20.24	-163.22	-111.22	-72.24	-68.78
		770	672.23	-21.82	-178.01	-29.22	-170.62	33.18	195.95	-27.30	-17.36	186.01	-46.05
		478	1923.13	-17.02	-150.89	-25.24	-142.67	32.13	114.51	-637.38	-611.46	88.59	-137.16
520	6	88	1810.78	26.67	-153.27	17.00	-143.60	40.58	-116.22	-708.05	-665.47	-158.80	-152.94
		754	448.46	30.53	-204.04	20.46	-193.98	47.54	-13.75	-152.14	-100.43	-65.46	-66.95
		770	662.76	-21.04	-206.64	-32.77	-194.91	45.17	188.04	-22.21	-12.31	178.14	-44.54
		478	1824.70	-14.14	-157.02	-28.49	-142.67	42.95	109.60	-602.14	-577.34	84.79	-130.53
520	7	88	1803.44	24.82	-137.20	16.62	-129.00	35.50	-118.77	-708.48	-664.87	-162.37	-154.31

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		754	446.22	28.68	-189.99	20.00	-181.30	42.71	-14.30	-155.17	-99.98	-69.50	-68.77
		770	645.63	-22.15	-192.37	-32.27	-182.24	40.27	184.48	-23.63	-12.52	173.37	-46.78
		478	1813.59	-15.28	-140.83	-28.04	-128.07	37.95	106.11	-603.03	-577.42	80.50	-132.32
520	8	88	1458.63	16.26	-66.98	13.78	-64.50	-14.15	-110.39	-589.26	-549.34	-150.31	-132.37
		754	375.87	15.27	-148.28	15.21	-148.22	-3.00	-17.97	-135.70	-83.19	-70.48	-58.52
		770	503.78	-12.68	-149.53	-13.00	-149.21	-6.57	149.12	-14.51	-5.43	140.05	-37.45
		478	1453.00	-8.19	-65.54	-10.21	-63.52	-10.58	82.57	-493.94	-471.58	60.22	-111.30
520	9	88	1300.40	17.41	-104.74	15.05	-102.38	16.80	-83.76	-510.42	-475.91	-118.26	-116.32
		754	331.78	20.56	-166.07	17.16	-162.68	24.93	-5.27	-113.52	-69.58	-49.21	-53.15
		770	492.51	-14.95	-166.87	-18.29	-163.53	22.27	138.82	-12.54	-3.85	130.13	-35.21
		478	1305.66	-11.01	-105.72	-15.19	-101.53	19.46	80.79	-429.89	-410.18	61.08	-98.37
520	10	88	1354.85	13.07	-66.12	12.96	-66.00	-2.99	-100.05	-544.07	-508.16	-135.96	-121.07
		754	333.43	14.87	-131.04	14.65	-130.81	5.69	-15.36	-123.40	-71.80	-62.97	-53.64
		770	467.34	-15.32	-131.72	-15.39	-131.65	2.88	138.79	-13.87	-5.34	130.27	-35.06
		478	1353.67	-12.64	-65.16	-12.64	-65.16	-0.18	77.65	-458.08	-437.70	57.27	-102.49
520	11	88	1302.08	18.72	-104.29	12.33	-97.90	27.29	-84.97	-510.45	-479.54	-115.88	-110.44
		754	319.74	21.51	-140.26	14.81	-133.57	32.22	-10.29	-110.08	-71.69	-48.68	-48.55
		770	470.90	-15.45	-142.08	-23.30	-134.23	30.54	134.91	-15.65	-8.26	127.52	-32.53
		478	1311.60	-10.56	-106.92	-20.24	-97.24	28.97	78.35	-434.14	-416.11	60.32	-94.42
521	1	478	1564.79	-2.44	-129.78	-7.95	-124.27	25.91	2.94	-570.13	-568.84	1.64	-27.19
		770	461.02	-3.06	-238.60	-7.32	-234.35	31.36	54.04	-87.92	-87.90	54.02	1.80
		756	310.85	20.14	-238.63	15.14	-233.63	35.63	-50.89	-107.11	-106.81	-51.19	-4.10
		111	1502.51	20.71	-128.20	17.50	-124.99	21.64	-101.32	-590.00	-587.75	-103.57	-33.09
521	2	478	1597.27	-5.03	-119.00	-5.50	-118.53	7.30	-1.11	-585.42	-584.26	-2.27	-25.97
		770	459.96	-3.87	-231.49	-4.60	-230.76	12.88	51.63	-90.90	-90.79	51.51	3.98
		756	316.19	23.04	-231.22	21.87	-230.05	17.21	-50.98	-109.30	-109.23	-51.05	-2.04
		111	1540.78	24.59	-119.30	24.53	-119.24	2.98	-102.79	-604.75	-602.70	-104.83	-31.99
521	3	478	1667.69	-6.38	-99.08	-7.23	-98.23	-8.84	-7.66	-618.89	-617.80	-8.75	-25.84
		770	450.12	-5.51	-204.35	-5.57	-204.29	-3.50	47.54	-97.68	-97.48	47.34	5.37
		756	327.97	30.71	-203.73	30.70	-203.73	0.53	-53.41	-116.56	-116.52	-53.46	-1.66
		111	1625.46	35.27	-100.03	34.03	-98.79	-12.87	-107.51	-638.88	-636.83	-109.55	-32.87
521	4	478	1791.11	-29.23	-81.73	-29.38	-81.58	2.79	-12.94	-675.20	-674.30	-13.84	-24.38
		770	434.28	-25.73	-97.07	-25.93	-96.86	3.84	43.97	-124.62	-123.47	42.82	13.84
		756	338.35	24.06	-97.33	23.91	-97.19	4.18	-65.62	-136.50	-136.41	-65.71	2.59
		111	1739.16	27.66	-81.31	27.61	-81.26	2.45	-120.14	-689.48	-687.24	-122.38	-35.64
521	5	478	1670.47	-19.36	-128.23	-24.73	-122.87	23.56	1.26	-615.29	-614.31	0.28	-24.54
		770	443.36	-17.57	-159.59	-22.24	-154.91	25.34	53.94	-105.76	-105.26	53.44	8.95
		756	315.28	20.27	-158.97	16.29	-154.99	26.41	-55.20	-120.92	-120.91	-55.20	-0.31
		111	1609.63	22.75	-126.26	19.28	-122.79	22.49	-106.18	-632.15	-629.97	-108.36	-33.80
521	6	478	1577.70	-14.17	-122.86	-24.43	-112.60	31.77	0.89	-581.70	-580.88	0.07	-21.83
		770	423.25	-14.85	-179.50	-22.58	-171.77	34.83	51.02	-95.92	-95.43	50.53	8.45
		756	296.20	17.78	-178.81	10.54	-171.58	37.01	-56.02	-113.14	-113.14	-56.02	-0.45
		111	1521.80	19.92	-119.39	13.32	-112.80	29.59	-104.58	-600.50	-598.58	-106.49	-30.73
521	7	478	1568.87	-15.73	-106.82	-23.93	-98.62	26.07	-2.93	-582.30	-581.33	-3.90	-23.66
		770	408.44	-16.21	-168.57	-22.09	-162.68	29.37	46.80	-95.48	-95.19	46.51	6.44
		756	291.31	17.05	-168.06	11.44	-162.45	31.74	-59.84	-113.34	-113.21	-59.97	-2.60
		111	1517.15	19.05	-103.61	14.29	-98.85	23.70	-108.20	-601.53	-599.35	-110.38	-32.70
521	8	478	1276.64	-2.81	-77.61	-3.89	-76.52	-8.93	-6.15	-473.41	-472.54	-7.02	-20.12
		770	348.90	-2.56	-162.41	-2.69	-162.28	-4.62	36.18	-74.93	-74.80	36.06	3.71
		756	255.68	24.70	-161.82	24.69	-161.81	-1.35	-39.48	-89.26	-89.22	-39.52	-1.42
		111	1245.13	28.65	-78.40	27.24	-77.00	-12.20	-81.03	-488.53	-486.96	-82.60	-25.25
521	9	478	1127.40	-4.46	-87.21	-8.39	-83.27	17.61	1.04	-412.92	-412.07	0.20	-18.72
		770	319.79	-4.70	-156.65	-7.69	-153.66	21.12	37.73	-64.00	-63.94	37.67	2.33
		756	216.82	14.14	-156.62	10.75	-153.23	23.82	-38.69	-77.73	-77.57	-38.84	-2.45
		111	1084.65	14.81	-85.95	12.56	-83.70	14.90	-74.75	-427.27	-425.70	-76.32	-23.50
521	10	478	1184.64	-7.95	-68.86	-7.99	-68.81	-1.70	-4.84	-440.02	-439.27	-5.58	-17.97
		770	314.10	-6.70	-136.98	-6.72	-136.96	1.75	34.14	-69.45	-69.27	33.96	4.32
		756	226.88	19.52	-136.74	19.40	-136.62	4.33	-40.07	-82.99	-82.96	-40.10	-1.10
		111	1152.95	21.94	-69.34	21.74	-69.14	-4.27	-78.18	-454.43	-452.97	-79.64	-23.39
521	11	478	1134.64	-10.94	-83.40	-17.55	-76.79	20.87	-0.09	-419.35	-418.76	-0.68	-15.74
		770	299.18	-11.24	-123.83	-16.17	-118.89	23.05	36.08	-68.48	-68.13	35.74	6.03
		756	209.93	12.80	-123.36	8.20	-118.76	24.60	-41.52	-81.09	-81.09	-41.53	-0.43
		111	1095.41	14.33	-81.01	10.24	-76.92	19.32	-76.56	-433.11	-431.72	-77.94	-22.20
522	1	111	1526.20	29.43	-155.99	28.87	-155.43	10.10	-117.45	-600.79	-599.58	-118.66	24.16
		756	431.75	21.06	-219.16	20.95	-219.05	-5.17	-14.17	-147.97	-121.75	-40.39	-53.11
		755	621.11	-5.92	-220.13	-5.92	-220.13	-0.99	108.01	-106.92	-103.20	104.29	-28.01
		87	1650.51	-9.80	-154.60	-10.04	-154.36	5.92	30.00	-585.00	-581.03	26.03	49.25
522	2	111	1559.29	25.48	-157.20	25.35	-157.07	-4.98	-119.43	-614.34	-612.91	-120.86	26.51
		756	424.32	19.65	-225.87	17.81	-224.03	-21.20	-15.80	-149.16	-124.34	-40.63	-51.91
		755	633.64	-5.81	-226.55	-7.08	-225.28	-16.68	112.50	-107.61	-104.49	109.38	-26.01
		87	1691.70	-9.99	-156.44	-10.61	-155.82	-9.51	33.54	-597.45	-593.07	29.16	52.41
522	3	111	1643.16	27.74	-148.73	26.89	-147.88	-12.18	-123.99	-648.06	-646.41	-125.64	29.38

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		756	435.31	23.31	-205.49	20.46	-202.63	-25.39	-17.69	-156.98	-132.19	-42.48	-53.28
		755	654.44	1.28	-205.92	-1.03	-203.61	-21.73	119.69	-114.13	-110.99	116.55	-26.91
		87	1786.78	-2.45	-148.64	-4.19	-146.90	-15.83	38.08	-629.90	-625.21	33.39	55.76
522	4	111	1756.45	23.57	-132.60	22.83	-131.86	-10.67	-139.16	-699.35	-697.08	-141.43	35.60
		756	446.55	17.35	-92.34	17.34	-92.33	0.80	-31.53	-172.50	-149.77	-54.26	-51.84
		755	609.78	-10.26	-90.21	-10.41	-90.06	-3.50	114.16	-130.64	-128.06	111.58	-24.99
		87	1894.05	-18.01	-134.49	-18.36	-134.14	-6.37	29.93	-680.91	-675.38	24.40	62.45
522	5	111	1627.99	26.40	-154.75	26.39	-154.74	1.22	-124.69	-642.59	-640.80	-126.48	30.40
		756	431.40	19.93	-142.21	19.72	-142.00	5.85	-22.79	-157.21	-134.21	-45.79	-50.62
		755	598.67	-10.02	-140.61	-10.12	-140.51	3.66	109.40	-117.03	-114.08	106.45	-25.69
		87	1754.38	-17.54	-156.31	-17.62	-156.23	3.41	30.46	-625.37	-620.67	25.75	55.33
522	6	111	1542.01	26.19	-141.36	25.60	-140.77	9.97	-122.70	-611.14	-609.57	-124.27	27.63
		756	412.51	18.68	-155.42	18.35	-155.09	7.57	-23.27	-149.89	-125.71	-47.44	-49.77
		755	572.69	-10.63	-154.89	-11.04	-154.49	7.61	101.91	-109.56	-106.28	98.64	-26.11
		87	1658.94	-16.69	-142.16	-17.48	-141.37	9.92	26.08	-594.40	-590.14	21.81	51.28
522	7	111	1540.36	24.80	-126.80	24.37	-126.36	8.13	-125.83	-613.25	-611.96	-127.12	25.04
		756	415.21	17.14	-147.88	17.05	-147.78	3.87	-23.12	-153.45	-126.67	-49.90	-52.67
		755	568.12	-11.71	-147.58	-11.86	-147.43	4.51	100.88	-111.20	-107.21	96.89	-28.82
		87	1655.12	-17.43	-127.23	-17.94	-126.72	7.48	23.55	-596.38	-592.50	19.67	48.89
522	8	111	1258.05	21.46	-117.05	20.62	-116.20	-10.79	-93.52	-495.26	-493.95	-94.82	22.87
		756	335.06	18.45	-164.43	15.79	-161.77	-21.89	-12.81	-119.68	-101.33	-31.16	-40.31
		755	507.23	2.29	-164.80	0.16	-162.67	-18.76	92.25	-87.46	-85.20	89.99	-20.04
		87	1369.49	-0.25	-116.99	-1.93	-115.30	-13.92	29.99	-481.49	-477.82	26.33	43.13
522	9	111	1101.73	20.47	-105.59	20.12	-105.25	6.60	-86.53	-435.22	-434.36	-87.40	17.39
		756	305.98	14.57	-143.24	14.53	-143.21	-2.35	-11.76	-107.45	-88.10	-31.11	-38.44
		755	436.89	-5.18	-143.71	-5.18	-143.71	-1.02e-03	77.12	-77.23	-74.44	74.34	-20.56
		87	1190.11	-8.32	-104.93	-8.51	-104.74	4.24	20.86	-423.51	-420.69	18.04	35.27
522	10	111	1166.68	19.30	-101.33	19.02	-101.05	-5.78	-90.17	-461.48	-460.37	-91.29	20.30
		756	307.84	15.49	-135.32	14.26	-134.08	-13.59	-13.75	-112.42	-93.90	-32.27	-38.53
		755	455.11	-1.46	-135.54	-2.46	-134.54	-11.52	83.60	-81.22	-78.77	81.15	-19.94
		87	1265.75	-4.61	-101.23	-5.25	-100.59	-7.84	25.35	-448.45	-445.24	22.13	38.88
522	11	111	1110.57	18.67	-97.46	18.30	-97.10	6.52	-89.46	-440.97	-439.90	-90.52	19.32
		756	296.24	13.27	-107.86	13.09	-107.67	4.72	-16.82	-108.51	-90.30	-35.03	-36.58
		755	410.14	-7.79	-107.48	-8.02	-107.25	4.78	73.73	-78.69	-76.15	71.19	-19.50
		87	1194.83	-12.15	-98.01	-12.64	-97.52	6.47	18.68	-428.73	-425.75	15.70	36.40
523	1	87	1808.70	-12.27	-120.38	-14.22	-118.43	14.39	93.41	-612.67	-610.24	90.99	41.28
		755	952.69	-16.59	-192.86	-16.94	-192.51	7.78	324.64	29.31	30.81	323.14	-21.00
		777	595.78	-15.27	-190.25	-15.29	-190.23	2.04	179.71	-22.48	23.73	133.50	84.90
		305	1686.80	-10.10	-124.38	-13.76	-120.72	20.12	-59.80	-656.17	-617.32	-98.65	147.18
523	2	87	1853.71	-16.56	-128.12	-16.57	-128.12	0.56	98.51	-624.95	-622.20	95.77	44.51
		755	978.12	-19.66	-204.52	-19.87	-204.31	-6.16	332.49	30.18	31.41	331.27	-19.19
		777	632.00	-15.19	-202.67	-15.98	-201.89	-12.12	186.55	-23.71	24.37	138.47	88.30
		305	1734.29	-14.55	-130.91	-14.92	-130.55	6.53	-56.67	-669.59	-629.24	-97.03	152.00
523	3	87	1961.26	-11.58	-126.29	-11.58	-126.29	0.35	106.91	-659.47	-656.58	104.02	46.98
		755	1026.83	-15.04	-187.90	-15.18	-187.76	-4.92	355.30	32.29	33.59	354.00	-20.50
		777	663.02	-7.48	-186.21	-8.03	-185.67	-9.86	200.88	-23.96	25.94	150.98	93.43
		305	1838.08	-7.88	-128.61	-8.11	-128.38	5.29	-56.39	-706.84	-664.24	-99.00	160.92
523	4	87	2086.82	-11.94	-121.50	-12.00	-121.44	2.50	105.83	-708.83	-705.45	102.45	52.34
		755	996.98	-9.89	-86.08	-10.31	-85.66	5.63	363.90	21.78	22.60	363.09	-16.70
		777	643.34	-11.80	-87.77	-12.75	-86.82	8.45	209.16	-37.77	16.15	155.25	102.01
		305	1963.78	-13.11	-120.28	-13.11	-120.28	-0.32	-60.48	-756.82	-711.90	-105.39	171.05
523	5	87	1931.99	-11.78	-133.55	-12.65	-132.68	10.24	99.35	-652.92	-650.03	96.46	46.52
		755	958.02	-10.64	-125.98	-11.66	-124.96	10.81	341.22	25.86	26.94	340.13	-18.46
		777	602.51	-13.70	-126.49	-14.89	-125.30	11.51	192.98	-29.39	20.20	143.39	92.57
		305	1807.66	-13.56	-133.11	-14.33	-132.34	9.55	-58.78	-698.28	-656.78	-100.29	157.55
523	6	87	1825.13	-12.59	-115.78	-14.54	-113.82	14.07	90.72	-621.43	-618.82	88.11	43.07
		755	910.61	-13.18	-134.41	-14.42	-133.17	12.21	322.30	27.54	28.79	321.06	-19.10
		777	565.65	-16.57	-133.70	-17.58	-132.69	10.83	180.24	-25.67	22.43	132.14	87.13
		305	1706.58	-13.96	-116.68	-16.34	-114.30	15.45	-61.28	-664.70	-625.18	-100.81	149.29
523	7	87	1820.12	-14.39	-100.86	-15.98	-99.27	11.63	88.11	-623.65	-621.33	85.79	40.54
		755	903.61	-15.61	-128.13	-16.34	-127.41	9.01	321.04	26.59	28.18	319.45	-21.57
		777	556.34	-18.17	-127.08	-18.61	-126.64	6.93	177.21	-24.51	22.02	130.68	84.98
		305	1702.75	-15.13	-102.25	-17.35	-100.04	13.72	-64.55	-665.92	-627.49	-102.98	147.09
523	8	87	1502.14	-8.45	-99.78	-8.45	-99.77	-0.60	82.84	-503.85	-501.59	80.58	36.34
		755	791.43	-11.36	-150.78	-11.53	-150.61	-4.93	272.04	24.06	25.02	271.08	-15.43
		777	513.22	-4.60	-149.43	-5.16	-148.86	-9.04	153.78	-18.81	18.99	115.98	71.38
		305	1407.83	-5.21	-101.65	-5.34	-101.52	3.51	-41.95	-540.19	-507.62	-74.52	123.16
523	9	87	1306.03	-9.15	-82.09	-10.47	-80.77	9.73	66.57	-443.72	-442.00	64.85	29.56
		755	678.50	-11.70	-125.78	-11.99	-125.49	5.72	234.44	21.73	22.84	233.34	-15.28
		777	423.12	-11.47	-124.17	-11.52	-124.13	2.27	130.16	-15.83	17.97	96.36	61.58
		305	1219.13	-8.12	-84.47	-10.47	-82.13	13.17	-44.01	-474.98	-446.87	-72.13	106.42
523	10	87	1390.73	-8.95	-85.18	-9.00	-85.13	1.93	74.07	-469.72	-467.75	72.09	32.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		755	719.61	-10.99	-122.87	-11.01	-122.85	-1.34	251.47	23.39	24.39	250.48	-15.00
		777	460.54	-7.32	-121.76	-7.48	-121.60	-4.34	141.92	-16.65	19.20	106.07	66.32
		305	1303.13	-7.02	-86.69	-7.33	-86.39	4.94	-42.12	-503.13	-472.94	-72.32	114.06
523	11	87	1315.18	-9.32	-79.53	-10.65	-78.21	9.55	65.07	-448.59	-446.77	63.25	30.55
		755	655.12	-9.78	-93.33	-10.59	-92.52	8.18	233.14	20.76	21.72	232.18	-14.22
		777	406.57	-12.15	-92.81	-12.79	-92.17	7.15	130.47	-17.61	17.25	95.61	62.82
		305	1230.14	-10.26	-80.20	-11.90	-78.56	10.58	-44.84	-479.72	-451.24	-73.33	107.60
524	1	305	1442.82	-13.70	-103.10	-18.06	-98.74	19.27	-66.24	-566.12	-563.84	-68.52	33.67
		777	326.93	-15.89	-190.03	-18.06	-187.86	19.32	22.72	-78.25	-77.05	21.52	10.93
		758	302.71	2.85	-189.82	0.89	-187.86	19.32	-52.57	-107.29	-96.84	-63.02	21.51
		316	1428.79	4.49	-102.33	0.89	-98.74	19.27	-148.56	-588.13	-583.63	-153.06	44.25
524	2	305	1485.60	-14.08	-118.05	-14.88	-117.25	9.09	-62.72	-577.37	-574.88	-65.21	35.71
		777	357.30	-14.45	-206.87	-14.88	-206.44	9.15	27.88	-80.49	-79.05	26.44	12.43
		758	304.41	4.94	-206.83	4.54	-206.44	9.15	-48.94	-109.93	-99.25	-59.62	23.18
		316	1469.07	5.22	-117.92	4.54	-117.25	9.09	-146.45	-599.89	-595.08	-151.26	46.47
524	3	305	1573.83	-6.42	-112.56	-7.97	-111.01	12.74	-63.04	-609.78	-607.18	-65.64	37.63
		777	372.74	-7.07	-189.68	-7.97	-188.78	12.78	33.39	-84.41	-83.07	32.05	12.50
		758	304.93	12.53	-189.60	11.71	-188.78	12.78	-48.68	-115.07	-104.66	-59.09	24.14
		316	1556.20	13.02	-112.32	11.71	-111.01	12.74	-151.69	-633.86	-628.77	-156.77	49.27
524	4	305	1684.49	-17.07	-107.26	-17.90	-106.43	8.60	-68.18	-656.44	-653.84	-70.79	39.09
		777	336.86	-16.72	-80.12	-17.90	-78.93	8.58	29.47	-99.91	-98.09	27.65	15.21
		758	307.76	7.76	-79.78	6.91	-78.93	8.58	-53.69	-129.40	-119.21	-63.88	25.84
		316	1668.04	7.56	-107.08	6.91	-106.43	8.60	-157.55	-679.73	-674.95	-162.32	49.71
524	5	305	1546.19	-18.03	-113.82	-20.86	-110.99	16.21	-65.68	-603.93	-601.50	-68.11	36.08
		777	316.24	-18.17	-118.72	-20.86	-116.03	16.22	26.13	-87.89	-86.40	24.64	12.96
		758	294.56	4.03	-118.22	1.84	-116.03	16.22	-52.66	-116.75	-106.70	-62.72	23.31
		316	1530.55	4.13	-113.27	1.84	-110.99	16.21	-150.89	-626.37	-621.79	-155.47	46.43
524	6	305	1456.40	-19.44	-96.62	-22.74	-93.33	15.61	-68.47	-573.82	-571.46	-70.83	34.47
		777	290.79	-20.41	-127.73	-22.74	-125.41	15.63	19.82	-81.55	-80.00	18.27	12.45
		758	288.34	0.89	-127.34	-1.04	-125.41	15.63	-53.76	-110.46	-99.33	-64.90	22.52
		316	1444.89	1.53	-95.89	-1.04	-93.33	15.61	-149.50	-595.28	-590.78	-154.00	44.55
524	7	305	1452.62	-20.20	-82.89	-22.18	-80.90	10.97	-72.32	-575.00	-572.92	-74.41	32.32
		777	282.45	-20.98	-123.52	-22.18	-122.33	10.99	16.36	-81.08	-79.94	15.21	10.50
		758	284.31	0.41	-123.31	-0.57	-122.33	10.99	-57.12	-109.30	-99.10	-67.33	20.69
		316	1443.20	0.90	-82.37	-0.57	-80.90	10.97	-152.83	-596.20	-592.08	-156.94	42.51
524	8	305	1206.86	-3.59	-89.58	-4.82	-88.35	10.21	-46.92	-466.28	-464.30	-48.90	28.79
		777	294.21	-4.10	-152.54	-4.82	-151.83	10.25	26.97	-64.89	-63.91	25.98	9.45
		758	234.19	10.54	-152.47	9.90	-151.83	10.25	-36.14	-88.14	-80.49	-43.79	18.42
		316	1192.53	10.95	-89.40	9.90	-88.35	10.21	-114.78	-484.77	-480.87	-118.68	37.77
524	9	305	1041.20	-10.97	-69.54	-13.61	-66.91	12.13	-48.85	-409.54	-407.89	-50.50	24.35
		777	225.32	-12.26	-123.54	-13.61	-122.20	12.17	15.30	-56.35	-55.43	14.38	8.05
		758	214.23	1.74	-123.39	0.55	-122.20	12.17	-38.62	-77.50	-69.65	-46.47	15.61
		316	1032.05	2.67	-69.02	0.55	-66.91	12.13	-108.11	-425.34	-422.10	-111.36	31.90
524	10	305	1113.92	-6.91	-74.81	-8.00	-73.73	8.51	-47.07	-433.80	-431.97	-48.90	26.54
		777	250.78	-7.37	-123.34	-8.00	-122.71	8.54	21.23	-59.77	-58.78	20.23	8.93
		758	215.61	7.12	-123.27	6.56	-122.71	8.54	-36.51	-81.77	-73.99	-44.29	17.07
		316	1102.76	7.45	-74.62	6.56	-73.73	8.51	-109.85	-450.75	-447.18	-113.42	34.69
524	11	305	1048.78	-14.15	-65.95	-16.20	-63.90	10.10	-50.09	-413.82	-412.12	-51.78	24.79
		777	205.63	-14.80	-88.91	-16.20	-87.50	10.12	13.69	-58.19	-57.07	12.58	8.90
		758	206.39	0.64	-88.66	-0.52	-87.50	10.12	-39.28	-79.27	-71.03	-47.52	16.17
		316	1041.01	1.05	-65.47	-0.52	-63.90	10.10	-108.64	-429.31	-426.08	-111.88	32.07
525	1	316	1391.67	6.28	-89.47	1.73	-84.91	20.38	-73.11	-546.85	-543.06	-76.90	42.21
		758	378.10	3.91	-189.92	1.73	-187.74	20.45	-83.61	-139.85	-131.81	-91.65	19.69
		776	438.37	20.93	-189.74	18.92	-187.74	20.45	-132.96	-146.56	-146.33	-133.19	-1.74
		303	1390.04	22.78	-88.77	18.92	-84.91	20.38	-117.46	-558.56	-557.58	-118.44	20.78
525	2	316	1434.88	6.39	-107.23	5.07	-105.91	12.17	-68.59	-557.68	-553.61	-72.66	44.41
		758	382.28	5.76	-209.72	5.07	-209.03	12.24	-79.68	-143.05	-134.78	-87.95	21.35
		776	444.26	23.65	-209.67	23.01	-209.03	12.24	-130.17	-149.63	-149.61	-130.19	-0.57
		303	1430.80	24.15	-107.05	23.01	-105.91	12.17	-113.78	-569.56	-568.45	-114.90	22.49
525	3	316	1519.18	15.99	-98.65	12.58	-95.24	19.47	-69.49	-589.46	-585.16	-73.79	47.08
		758	388.35	14.45	-191.92	12.58	-190.06	19.53	-81.15	-150.16	-142.03	-89.27	22.24
		776	448.84	32.39	-191.77	30.67	-190.06	19.53	-134.10	-157.96	-157.94	-134.12	-0.71
		303	1515.40	33.62	-98.18	30.67	-95.24	19.47	-117.44	-602.27	-601.07	-118.65	24.13
525	4	316	1625.88	9.01	-94.12	7.62	-92.74	11.88	-76.76	-633.75	-629.66	-80.85	47.56
		758	397.79	9.19	-82.42	7.62	-80.86	11.87	-90.57	-167.13	-159.02	-98.68	23.56
		776	442.84	27.99	-82.15	26.69	-80.86	11.87	-143.81	-174.66	-174.61	-143.86	-1.28
		303	1621.41	27.86	-93.91	26.69	-92.74	11.88	-125.04	-646.24	-645.25	-126.03	22.71
525	5	316	1492.00	5.54	-99.23	2.71	-96.40	16.98	-73.87	-583.27	-579.37	-77.76	44.37
		758	376.62	5.09	-118.60	2.71	-116.22	16.99	-86.15	-151.52	-143.65	-94.02	21.27
		776	427.28	22.93	-118.30	20.86	-116.22	16.99	-136.99	-158.74	-158.62	-137.11	-1.64
		303	1488.79	23.27	-98.81	20.86	-96.40	16.98	-119.89	-595.30	-594.33	-120.86	21.46
525	6	316	1405.36	2.44	-83.25	-0.30	-80.51	15.08	-75.56	-553.70	-549.89	-79.37	42.52

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		758	367.27	1.49	-127.73	-0.30	-125.94	15.11	-86.40	-143.77	-134.99	-95.18	20.65
		776	418.53	19.17	-127.51	17.59	-125.94	15.11	-135.16	-149.19	-149.07	-135.28	-1.28
		303	1404.24	19.86	-82.77	17.59	-80.51	15.08	-118.52	-564.92	-563.97	-119.47	20.59
525	7	316	1401.23	1.76	-69.92	0.09	-68.25	10.82	-79.34	-554.58	-551.11	-82.81	40.45
		758	366.52	1.03	-124.99	0.09	-124.04	10.86	-90.42	-142.97	-135.00	-98.39	18.84
		776	421.14	18.99	-124.87	18.17	-124.04	10.86	-136.90	-149.65	-148.87	-137.68	-3.06
		303	1401.76	19.50	-69.59	18.17	-68.25	10.82	-121.32	-565.75	-564.98	-122.10	18.54
525	8	316	1165.27	13.42	-78.83	10.59	-76.00	15.91	-51.73	-450.95	-447.66	-55.02	36.09
		758	297.31	12.13	-154.20	10.59	-152.66	15.95	-60.47	-114.81	-108.86	-66.43	16.98
		776	343.73	25.71	-154.09	24.28	-152.66	15.95	-100.92	-121.10	-121.09	-100.92	-0.43
		303	1162.02	26.74	-78.47	24.28	-76.00	15.91	-88.57	-460.83	-459.89	-89.51	18.69
525	9	316	1004.08	3.79	-59.90	1.11	-57.22	12.79	-53.87	-395.37	-392.63	-56.60	30.43
		758	270.14	2.43	-123.83	1.11	-122.51	12.83	-61.63	-101.25	-95.16	-67.72	14.29
		776	312.75	14.90	-123.71	13.70	-122.51	12.83	-97.16	-105.78	-105.56	-97.39	-1.37
		303	1003.24	15.94	-59.45	13.70	-57.22	12.79	-85.58	-403.72	-403.03	-86.26	14.78
525	10	316	1074.83	9.23	-65.04	7.14	-62.95	12.28	-51.86	-419.04	-416.03	-54.87	33.14
		758	275.90	8.29	-124.95	7.14	-123.80	12.32	-60.32	-106.93	-100.85	-66.40	15.70
		776	318.63	21.28	-124.84	20.23	-123.80	12.32	-97.86	-112.05	-112.01	-97.90	-0.80
		303	1072.80	22.01	-64.73	20.23	-62.95	12.28	-85.57	-428.00	-427.19	-86.38	16.64
525	11	316	1011.71	1.70	-56.49	-0.02	-54.77	9.84	-55.23	-399.18	-396.43	-57.97	30.60
		758	264.19	1.07	-89.27	-0.02	-88.18	9.86	-63.18	-103.44	-96.93	-69.68	14.82
		776	301.80	13.92	-89.13	12.96	-88.18	9.86	-98.41	-107.22	-107.08	-98.55	-1.11
		303	1011.14	14.36	-56.17	12.96	-54.77	9.84	-86.17	-407.25	-406.58	-86.84	14.67
526	1	303	1394.76	28.44	-86.17	19.70	-77.44	30.41	-47.16	-531.79	-531.54	-47.41	11.02
		776	424.21	24.11	-186.67	19.70	-182.25	30.18	-114.29	-161.49	-161.42	-114.37	1.87
		757	486.41	17.99	-186.80	13.44	-182.25	30.18	-92.29	-200.02	-167.51	-124.79	-49.45
		293	1411.63	22.68	-86.67	13.44	-77.43	30.41	-54.47	-540.99	-537.63	-57.83	-40.30
526	2	303	1438.82	28.14	-105.09	23.52	-100.46	24.39	-41.20	-541.88	-541.57	-41.50	12.37
		776	430.62	26.03	-208.53	23.52	-206.01	24.15	-110.38	-165.33	-165.15	-110.57	3.20
		757	495.43	19.69	-208.60	17.10	-206.01	24.15	-90.80	-201.64	-171.27	-121.17	-49.44
		293	1453.16	21.96	-105.32	17.11	-100.46	24.39	-48.85	-550.94	-547.69	-52.10	-40.27
526	3	303	1522.24	42.04	-93.60	31.75	-83.31	35.92	-40.89	-573.11	-572.78	-41.22	13.24
		776	439.60	37.50	-189.83	31.75	-184.08	35.69	-114.11	-174.56	-174.37	-114.31	3.41
		757	516.77	28.64	-190.07	22.65	-184.08	35.69	-94.93	-212.82	-181.06	-126.69	-52.30
		293	1537.03	33.68	-94.34	22.65	-83.31	35.92	-50.19	-582.88	-579.47	-53.60	-42.47
526	4	303	1625.48	34.44	-91.36	27.57	-84.49	28.58	-50.41	-617.11	-616.83	-50.69	12.60
		776	458.92	35.04	-81.99	27.57	-74.52	28.60	-124.23	-191.50	-191.43	-124.30	2.15
		757	554.77	30.97	-82.28	23.21	-74.52	28.60	-104.67	-231.10	-198.52	-137.25	-55.29
		293	1643.19	30.33	-91.60	23.21	-84.49	28.58	-60.07	-627.49	-623.92	-63.64	-44.84
526	5	303	1493.94	29.20	-96.10	21.72	-88.63	29.68	-48.34	-567.77	-567.50	-48.60	11.76
		776	424.67	28.10	-115.90	21.72	-109.52	29.63	-117.98	-174.36	-174.30	-118.04	1.79
		757	509.24	24.58	-116.07	18.03	-109.52	29.63	-97.34	-213.25	-180.99	-129.61	-51.95
		293	1512.39	25.73	-96.33	18.03	-88.63	29.68	-56.76	-577.59	-574.18	-60.17	-41.98
526	6	303	1407.03	24.78	-81.26	18.25	-74.73	25.50	-49.62	-538.16	-537.92	-49.87	10.97
		776	412.95	22.74	-125.27	18.25	-120.77	25.40	-117.36	-164.56	-164.46	-117.47	2.23
		757	478.15	19.41	-125.37	14.81	-120.77	25.40	-94.37	-202.59	-170.18	-126.78	-49.57
		293	1425.46	21.56	-81.48	14.81	-74.73	25.50	-55.76	-547.06	-543.64	-59.18	-40.83
526	7	303	1402.39	23.99	-67.65	18.74	-62.40	21.30	-52.84	-539.04	-538.88	-53.00	8.78
		776	415.24	21.89	-123.51	18.74	-120.36	21.17	-120.52	-164.45	-164.44	-120.52	0.55
		757	482.92	18.07	-123.60	14.84	-120.36	21.17	-94.15	-204.53	-169.76	-128.92	-51.27
		293	1421.67	20.32	-67.89	14.84	-62.40	21.30	-57.59	-548.01	-544.20	-61.40	-43.04
526	8	303	1167.96	33.49	-74.59	25.15	-66.25	28.84	-29.82	-438.53	-438.27	-30.08	10.34
		776	336.50	29.77	-152.47	25.15	-147.85	28.65	-85.47	-133.76	-133.60	-85.62	2.73
		757	396.94	22.56	-152.67	17.74	-147.85	28.65	-71.90	-162.39	-138.82	-95.47	-39.72
		293	1178.62	26.69	-75.20	17.74	-66.25	28.84	-37.39	-446.02	-443.49	-39.93	-32.10
526	9	303	1005.79	19.88	-57.89	14.22	-52.23	20.22	-35.06	-384.36	-384.19	-35.23	7.71
		776	303.83	17.17	-121.86	14.22	-118.91	20.06	-84.05	-116.61	-116.56	-84.10	1.27
		757	349.73	13.16	-121.95	10.11	-118.91	20.06	-67.04	-144.98	-120.82	-91.20	-36.05
		293	1018.49	16.09	-58.21	10.11	-52.23	20.22	-39.82	-390.96	-388.45	-42.34	-29.60
526	10	303	1076.53	27.44	-62.02	20.91	-55.49	23.27	-31.58	-407.31	-407.10	-31.80	8.94
		776	312.40	24.61	-123.62	20.91	-119.92	23.13	-83.95	-123.87	-123.75	-84.06	2.12
		757	365.31	19.07	-123.77	15.23	-119.92	23.13	-68.56	-152.03	-128.34	-92.25	-37.63
		293	1088.09	22.20	-62.46	15.23	-55.49	23.27	-37.45	-414.23	-411.69	-39.99	-30.81
526	11	303	1012.62	17.87	-55.18	13.41	-50.72	17.49	-36.44	-387.90	-387.73	-36.60	7.68
		776	297.64	16.41	-87.75	13.41	-84.75	17.41	-85.75	-118.32	-118.25	-85.82	1.46
		757	344.70	13.94	-87.82	10.87	-84.75	17.41	-68.19	-146.41	-122.30	-92.30	-36.12
		293	1026.17	15.49	-55.34	10.87	-50.72	17.49	-40.54	-394.33	-391.78	-43.09	-29.90
527	1	293	1530.20	38.03	-116.16	33.21	-111.34	26.83	-111.45	-602.79	-602.75	-111.49	4.59
		757	464.26	24.34	-162.08	23.03	-160.77	15.56	30.20	-126.05	-107.82	11.97	-50.16
		759	518.55	-0.74	-163.13	-2.79	-161.07	18.16	96.72	-86.09	-86.09	96.72	0.15
		319	1560.52	-4.44	-116.54	-9.95	-111.04	24.23	-21.35	-586.41	-581.02	-26.74	54.91
527	2	293	1570.03	37.12	-137.24	34.85	-134.97	19.77	-106.72	-613.25	-613.17	-106.80	6.46

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		757	483.49	25.37	-185.13	25.04	-184.80	8.32	34.09	-126.86	-110.29	17.52	-48.92
		759	554.54	0.99	-185.82	0.34	-185.17	11.02	102.99	-88.17	-88.16	102.98	1.57
		319	1607.02	-4.18	-136.83	-6.41	-134.59	17.07	-15.70	-596.68	-591.04	-21.34	56.96
527	3	293	1663.85	56.51	-127.65	47.66	-118.81	39.38	-113.64	-649.81	-649.74	-113.71	5.99
		757	510.87	42.38	-162.79	37.64	-158.06	30.81	34.97	-133.81	-116.16	17.31	-51.66
		759	556.32	17.55	-164.03	11.51	-157.99	32.55	104.33	-92.21	-92.20	104.32	1.68
		319	1691.17	14.49	-129.49	3.87	-118.87	37.64	-20.88	-631.60	-625.78	-26.70	59.33
527	4	293	1765.36	44.44	-106.40	40.03	-101.99	25.41	-123.67	-695.83	-695.64	-123.86	10.54
		757	509.94	46.07	-70.26	29.87	-54.07	40.27	33.54	-149.12	-130.75	15.16	-54.94
		759	521.38	14.81	-68.68	-3.23	-50.64	34.36	104.59	-108.83	-108.82	104.58	1.43
		319	1795.73	-6.59	-115.35	-16.51	-105.42	31.32	-27.51	-680.64	-673.71	-34.44	66.92
527	5	293	1629.79	37.48	-114.73	34.20	-111.45	22.12	-116.09	-642.08	-641.97	-116.19	7.50
		757	474.76	31.65	-96.71	24.18	-89.25	30.04	31.66	-135.90	-117.79	13.55	-52.03
		759	501.92	1.34	-94.74	-6.58	-86.83	26.41	100.27	-96.11	-96.11	100.27	0.71
		319	1659.40	-11.61	-120.35	-18.09	-113.87	25.75	-23.40	-626.36	-620.29	-29.48	60.23
527	6	293	1540.73	32.33	-104.28	29.67	-101.62	18.89	-113.54	-609.42	-609.38	-113.59	4.54
		757	444.70	23.17	-105.43	19.73	-101.99	20.74	28.43	-128.27	-109.94	10.10	-50.36
		759	480.33	-5.26	-104.28	-9.10	-100.45	19.10	96.33	-87.54	-87.54	96.33	0.01
		319	1567.42	-14.35	-107.91	-19.10	-103.16	20.54	-22.01	-592.32	-586.98	-27.35	54.92
527	7	293	1539.44	32.11	-92.36	29.37	-89.61	18.28	-116.08	-611.05	-611.04	-116.09	1.81
		757	445.27	21.81	-104.54	19.53	-102.27	16.81	28.11	-130.03	-110.12	8.19	-52.47
		759	478.87	-5.31	-103.97	-8.07	-101.21	16.26	95.79	-86.94	-86.92	95.77	-1.72
		319	1564.08	-12.65	-95.21	-17.20	-90.67	18.83	-23.61	-592.74	-587.85	-28.51	52.55
527	8	293	1275.07	45.02	-101.39	37.75	-94.12	31.80	-85.78	-496.86	-496.79	-85.84	5.17
		757	395.49	33.82	-130.95	30.12	-127.25	24.41	27.06	-102.30	-89.30	14.06	-38.90
		759	430.85	15.21	-132.07	10.46	-127.32	26.02	79.44	-71.21	-71.19	79.42	1.76
		319	1295.91	13.33	-102.53	4.84	-94.04	30.19	-15.94	-483.22	-478.69	-20.48	45.82
527	9	293	1104.57	26.63	-78.60	23.46	-75.42	18.00	-81.41	-436.08	-436.06	-81.43	2.61
		757	330.04	17.32	-105.23	16.18	-104.09	11.73	21.61	-91.20	-77.53	7.94	-36.81
		759	365.96	-1.13	-105.70	-2.78	-104.05	13.01	70.20	-61.46	-61.46	70.19	-0.37
		319	1125.61	-4.38	-79.39	-8.31	-75.46	16.72	-15.40	-423.76	-419.99	-19.17	39.05
527	10	293	1178.78	36.84	-84.93	31.49	-79.57	24.97	-82.63	-462.20	-462.17	-82.66	3.39
		757	355.93	27.44	-105.73	24.30	-102.59	20.20	24.22	-95.48	-82.16	10.90	-37.64
		759	386.97	9.13	-106.30	5.17	-102.34	21.00	74.42	-64.85	-64.85	74.42	0.47
		319	1198.19	6.17	-86.61	-0.63	-79.82	24.17	-15.14	-448.87	-444.86	-19.15	41.51
527	11	293	1110.43	23.47	-72.00	21.49	-70.02	13.59	-82.57	-439.77	-439.75	-82.59	2.58
		757	319.59	16.77	-73.86	14.35	-71.44	14.61	20.62	-92.44	-78.71	6.90	-36.93
		759	344.74	-3.54	-73.12	-6.28	-70.38	13.53	69.98	-62.27	-62.27	69.98	-0.45
		319	1129.45	-9.88	-74.60	-13.40	-71.09	14.67	-15.77	-427.04	-423.30	-19.51	39.05
528	1	319	1699.84	-1.97	-60.92	-8.24	-54.65	18.18	107.84	-572.29	-559.64	95.20	91.88
		759	705.95	-11.28	-144.55	-12.05	-143.78	10.13	230.08	0.18	1.73	228.53	-18.83
		771	361.50	-5.75	-140.87	-5.82	-140.80	3.09	-39.72	-127.35	-71.78	-95.29	42.21
		524	1650.82	5.69	-67.67	-4.34	-57.63	25.21	-177.33	-684.45	-633.15	-228.63	152.91
528	2	319	1750.78	-3.58	-80.29	-6.39	-77.47	14.41	115.70	-582.19	-569.12	102.63	94.62
		759	747.03	-9.94	-169.14	-10.18	-168.90	6.14	239.01	-0.30	1.13	237.58	-18.45
		771	367.82	-4.65	-165.86	-4.66	-165.86	-1.06	-39.43	-127.41	-74.31	-92.53	43.03
		524	1678.52	2.60	-86.14	-3.03	-80.52	21.62	-175.53	-696.51	-644.56	-227.49	156.10
528	3	319	1826.85	31.28	-58.82	3.44	-30.99	41.63	116.70	-618.04	-604.40	103.06	99.15
		759	761.19	7.80	-141.67	0.60	-134.47	32.01	251.36	2.91	4.86	249.41	-21.93
		771	408.31	0.89	-135.62	-3.50	-131.23	24.08	-44.94	-142.31	-76.85	-110.40	45.70
		524	1799.69	35.20	-69.62	-0.20	-34.22	49.57	-199.58	-743.28	-686.12	-256.75	166.78
528	4	319	1955.84	19.64	-50.90	-1.60	-29.66	32.36	122.17	-664.06	-649.28	107.39	106.78
		759	734.79	14.68	-58.49	-3.60	-40.20	31.68	259.30	-8.94	-7.28	257.64	-21.08
		771	388.90	23.15	-54.56	8.21	-39.62	30.62	-56.53	-151.73	-93.45	-114.80	46.39
		524	1909.44	26.51	-49.92	6.83	-30.24	33.42	-207.53	-792.97	-735.45	-265.04	174.25
528	5	319	1816.31	2.99	-63.40	-5.76	-54.65	22.46	115.98	-611.19	-597.52	102.32	98.74
		759	708.12	-2.59	-82.13	-8.47	-76.24	20.82	244.46	-3.79	-2.14	242.81	-20.16
		771	359.52	10.03	-79.42	5.86	-75.26	18.85	-47.25	-136.13	-82.22	-101.16	43.42
		524	1759.14	13.09	-64.32	4.41	-55.63	24.43	-187.86	-731.40	-677.60	-241.66	162.32
528	6	319	1715.47	-5.33	-57.28	-9.66	-52.95	14.35	109.13	-577.61	-564.89	96.41	92.57
		759	677.21	-11.27	-92.79	-12.83	-91.23	11.16	231.83	-0.83	0.84	230.16	-19.62
		771	340.03	1.54	-90.41	0.85	-89.72	7.91	-42.17	-127.38	-73.96	-95.59	41.21
		524	1660.06	5.13	-59.66	-0.06	-54.46	17.60	-178.33	-690.69	-639.69	-229.34	153.40
528	7	319	1705.71	-5.18	-44.69	-10.19	-39.68	13.15	106.25	-577.74	-565.64	94.15	90.15
		759	673.08	-12.56	-93.02	-13.49	-92.09	8.60	230.32	-0.80	1.14	228.37	-21.12
		771	338.25	-2.01	-90.39	-2.22	-90.18	4.31	-42.68	-127.04	-72.26	-97.47	40.25
		524	1656.35	4.22	-48.23	-2.42	-41.59	17.44	-181.51	-689.22	-639.04	-231.68	151.52
528	8	319	1397.96	26.64	-46.72	3.74	-23.81	34.00	89.25	-472.91	-462.42	78.77	76.06
		759	586.80	7.52	-113.96	1.61	-108.05	26.14	192.16	1.67	3.14	190.69	-16.68
		771	316.19	0.59	-109.11	-3.07	-105.45	19.70	-34.90	-109.34	-59.59	-84.65	35.04
		524	1379.07	29.21	-55.81	-0.19	-26.41	40.43	-152.73	-568.99	-525.15	-196.57	127.78
528	9	319	1226.88	-1.51	-40.39	-6.11	-35.79	12.56	77.83	-413.60	-404.56	68.79	66.02

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		759	502.83	-8.11	-93.65	-8.76	-93.00	7.43	166.60	0.92	2.11	165.41	-14.00
		771	257.08	-3.19	-91.15	-3.29	-91.06	2.88	-28.55	-91.87	-50.96	-69.46	30.28
		524	1191.86	4.40	-44.68	-2.55	-37.74	17.10	-129.05	-494.66	-457.63	-166.08	110.29
528	10	319	1297.44	16.93	-39.19	0.38	-22.65	25.59	82.75	-439.01	-429.43	73.17	70.05
		759	533.53	2.52	-92.07	-1.73	-87.83	19.59	178.43	2.44	3.85	177.01	-15.72
		771	283.12	0.45	-88.20	-2.00	-85.74	14.54	-31.42	-100.21	-53.78	-77.85	32.22
		524	1274.51	20.50	-45.48	-0.24	-24.74	30.64	-141.42	-527.34	-487.06	-181.70	118.00
528	11	319	1235.57	-3.43	-38.32	-6.89	-34.85	10.43	78.54	-416.55	-407.48	69.47	66.40
		759	486.88	-8.04	-64.95	-9.19	-63.81	8.00	167.57	0.36	1.62	166.32	-14.44
		771	245.12	0.90	-63.17	0.42	-62.68	5.56	-29.92	-91.88	-52.17	-69.62	29.72
		524	1197.00	3.98	-40.13	-0.17	-35.98	12.87	-129.61	-498.12	-461.26	-166.47	110.56
529	1	524	1283.73	14.36	-62.03	11.80	-59.46	13.75	-72.77	-507.64	-489.34	-91.06	87.30
		771	335.91	7.40	-121.49	7.36	-121.44	-2.50	-58.46	-137.38	-133.94	-61.91	-16.12
		760	634.47	-11.24	-123.30	-11.29	-123.25	2.35	10.47	-218.71	-209.48	1.24	-45.06
		335	1503.43	-9.99	-59.32	-11.66	-57.66	8.90	-21.65	-571.15	-564.88	-27.92	58.36
529	2	524	1319.88	19.26	-80.23	16.57	-77.55	16.12	-67.51	-516.59	-497.94	-86.16	89.58
		771	355.62	12.00	-144.24	11.98	-144.23	-1.40	-54.64	-140.16	-137.08	-57.72	-15.94
		760	666.36	-6.66	-146.31	-6.77	-146.21	3.85	13.05	-224.54	-214.92	3.44	-46.82
		335	1544.51	-5.29	-77.25	-6.97	-75.57	10.87	-18.81	-581.97	-575.79	-25.00	58.69
529	3	524	1373.48	66.63	-33.62	28.24	4.77	48.74	-87.84	-552.32	-532.19	-107.96	94.56
		771	359.47	25.10	-97.75	20.55	-93.21	23.18	-72.06	-145.95	-141.59	-76.42	-17.41
		760	647.33	-3.30	-106.16	-13.50	-95.96	30.73	-9.29	-234.80	-223.41	-20.68	-49.38
		335	1619.75	39.05	-46.27	-14.74	7.53	41.18	-45.33	-620.91	-614.02	-52.22	62.59
529	4	524	1481.49	38.12	-23.24	13.28	1.60	30.12	-98.11	-596.87	-576.65	-118.33	98.36
		771	397.61	30.31	-28.91	9.08	-7.69	28.40	-77.10	-165.67	-160.03	-82.74	-21.63
		760	685.04	16.26	-41.76	-18.10	-7.40	28.51	-8.76	-259.80	-247.76	-20.79	-53.64
		335	1749.89	21.94	-42.34	-21.72	1.32	30.00	-49.23	-671.54	-664.38	-56.38	66.35
529	5	524	1372.36	11.76	-51.12	7.89	-47.25	15.11	-80.37	-546.29	-527.05	-99.60	92.69
		771	359.75	8.59	-53.66	4.71	-49.78	15.05	-63.69	-150.68	-146.30	-68.07	-19.04
		760	657.50	-11.13	-55.05	-16.81	-49.38	14.73	5.33	-239.65	-229.02	-5.31	-49.91
		335	1607.21	-12.98	-54.53	-19.85	-47.66	15.43	-30.24	-616.37	-609.78	-36.84	61.82
529	6	524	1295.33	3.96	-60.39	3.72	-60.15	3.92	-73.26	-512.73	-494.67	-91.32	87.23
		771	332.37	0.64	-73.43	0.63	-73.42	0.87	-58.42	-140.39	-136.49	-62.33	-17.47
		760	624.67	-18.11	-73.51	-18.15	-73.47	1.54	11.45	-223.10	-213.18	1.54	-47.20
		335	1516.52	-20.13	-60.37	-20.39	-60.10	3.25	-21.44	-577.38	-571.37	-27.46	57.50
529	7	524	1284.82	6.61	-44.97	5.87	-44.23	6.14	-77.12	-511.45	-494.23	-94.33	84.73
		771	329.11	2.49	-76.52	2.43	-76.47	-2.09	-60.29	-139.49	-134.99	-64.79	-18.35
		760	614.43	-15.06	-77.23	-15.06	-77.23	0.24	10.19	-219.01	-208.84	0.02	-47.19
		335	1501.33	-15.87	-43.99	-16.39	-43.47	3.81	-23.78	-573.83	-568.09	-29.52	55.89
529	8	524	1053.58	56.10	-26.39	23.24	6.47	40.38	-67.29	-423.30	-407.75	-82.83	72.75
		771	276.80	20.89	-78.37	17.00	-74.49	19.25	-55.47	-111.79	-108.59	-58.67	-13.04
		760	495.87	-1.68	-85.45	-10.35	-76.78	25.51	-8.95	-180.15	-171.49	-17.61	-37.52
		335	1241.28	34.31	-36.81	-11.27	8.76	34.12	-36.41	-476.01	-470.65	-41.77	48.27
529	9	524	924.39	9.61	-40.36	7.83	-38.57	9.28	-53.60	-366.47	-353.45	-66.62	62.48
		771	239.28	4.81	-77.85	4.80	-77.84	-0.98	-42.83	-98.97	-96.23	-45.57	-12.09
		760	452.58	-8.43	-79.01	-8.49	-78.95	2.06	7.59	-157.29	-150.39	0.69	-33.03
		335	1082.50	-7.63	-38.77	-8.93	-37.46	6.24	-15.96	-412.01	-407.61	-20.37	41.54
529	10	524	972.67	37.42	-23.34	16.96	-2.89	28.71	-61.98	-391.28	-377.25	-76.01	66.51
		771	253.03	14.44	-64.46	12.13	-62.16	13.29	-50.36	-103.75	-100.48	-53.63	-12.81
		760	459.80	-4.36	-69.14	-9.71	-63.79	17.83	-3.38	-166.24	-158.13	-11.49	-35.43
		335	1147.48	18.68	-30.58	-10.65	-1.25	24.17	-29.12	-439.66	-434.91	-33.86	43.89
529	11	524	930.83	3.68	-39.30	3.34	-38.95	3.81	-53.88	-369.29	-356.41	-66.76	62.44
		771	237.86	1.08	-51.18	1.06	-51.16	0.90	-42.80	-100.65	-97.64	-45.80	-12.84
		760	447.31	-12.23	-51.36	-12.30	-51.30	1.61	8.14	-159.74	-152.45	0.85	-34.21
		335	1089.77	-13.41	-39.20	-13.79	-38.82	3.10	-15.84	-415.47	-411.21	-20.11	41.07
530	1	335	1726.36	-16.05	-59.59	-16.54	-59.09	-4.61	68.31	-605.77	-597.51	60.04	74.19
		760	636.30	-17.55	-107.36	-18.47	-106.44	-9.04	201.00	-26.95	-24.60	198.65	-23.03
		772	324.80	-14.74	-106.61	-16.58	-104.77	-12.87	-34.31	-123.88	-73.14	-85.05	44.39
		529	1652.92	-15.52	-60.77	-15.53	-60.76	-0.79	-180.58	-689.12	-646.04	-223.66	141.61
530	2	335	1768.30	-14.00	-67.11	-14.03	-67.07	1.32	71.76	-618.26	-610.17	63.66	74.30
		760	669.53	-15.84	-124.16	-15.99	-124.00	-4.07	208.09	-27.73	-25.07	205.43	-24.90
		772	335.33	-15.55	-122.76	-16.25	-122.06	-8.61	-35.46	-124.52	-74.53	-85.45	44.19
		529	1687.64	-13.99	-69.64	-14.62	-69.02	5.87	-183.99	-702.87	-659.64	-227.22	143.40
530	3	335	1860.79	57.32	-27.32	-22.20	52.20	20.18	46.26	-659.30	-650.72	37.67	77.36
		760	589.63	-22.38	-62.76	-24.62	-60.52	9.24	195.96	-23.83	-20.81	192.94	-25.59
		772	387.35	-35.29	-56.90	-35.30	-56.89	0.47	-35.15	-149.72	-68.40	-116.46	52.00
		529	1811.42	58.03	-40.05	-30.60	48.57	28.95	-221.38	-748.65	-698.31	-271.72	154.95
530	4	335	1992.95	46.74	-17.11	-13.74	43.37	14.27	55.67	-707.49	-698.50	46.68	82.36
		760	625.55	15.86	-17.71	-13.57	11.71	11.05	207.30	-41.22	-37.62	203.70	-29.70
		772	366.91	14.65	-24.53	-22.49	12.61	8.71	-59.94	-155.17	-93.40	-121.71	45.47
		529	1929.11	46.60	-24.43	-20.31	42.48	16.60	-231.29	-801.73	-754.28	-278.73	157.52
530	5	335	1840.75	-11.83	-30.99	-12.13	-30.69	2.38	68.95	-652.09	-643.60	60.45	77.78

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		760	629.32	-11.36	-35.25	-11.50	-35.11	1.82	209.56	-34.85	-31.57	206.28	-28.11
		772	330.58	-16.82	-35.21	-16.95	-35.07	1.59	-50.96	-134.87	-86.45	-99.38	41.46
		529	1779.91	-15.59	-31.18	-16.04	-30.73	2.61	-201.52	-742.17	-698.48	-245.21	147.35
530	6	335	1750.08	-13.17	-63.68	-15.45	-61.40	-10.48	71.46	-611.72	-603.73	63.46	73.48
		760	623.27	-13.20	-68.46	-15.47	-66.19	-10.96	204.46	-29.42	-26.48	201.53	-26.04
		772	304.40	-14.04	-68.51	-16.50	-66.05	-11.32	-41.53	-122.35	-77.56	-86.32	40.17
		529	1669.23	-14.06	-63.70	-16.22	-61.55	-10.12	-183.03	-696.17	-654.80	-224.39	139.69
530	7	335	1723.38	-13.69	-46.35	-16.11	-43.93	-8.55	66.35	-607.54	-599.75	58.57	72.02
		760	609.92	-15.11	-71.47	-17.30	-69.27	-10.90	200.40	-26.85	-24.02	197.57	-25.19
		772	307.66	-12.21	-71.36	-15.21	-68.36	-12.97	-36.45	-122.65	-72.00	-87.09	42.44
		529	1650.86	-13.46	-46.18	-14.80	-44.84	-6.48	-184.04	-689.80	-647.74	-226.10	139.65
530	8	335	1426.14	50.47	-22.02	-17.70	46.14	17.18	33.31	-505.35	-498.77	26.73	59.20
		760	447.98	-17.49	-49.77	-19.66	-47.61	8.08	148.17	-18.71	-16.41	145.86	-19.47
		772	300.72	-28.81	-44.63	-28.85	-44.59	0.78	-27.04	-115.94	-52.53	-90.45	40.20
		529	1389.79	51.02	-32.78	-24.89	43.13	24.47	-170.78	-573.70	-534.89	-209.58	118.87
530	9	335	1243.23	-11.18	-37.95	-11.55	-37.58	-3.10	48.88	-437.08	-431.19	42.99	53.17
		760	452.07	-12.17	-68.61	-12.80	-67.98	-5.94	145.03	-18.45	-16.68	143.26	-16.95
		772	232.09	-10.26	-68.15	-11.51	-66.91	-8.40	-24.66	-89.30	-51.56	-62.40	31.86
		529	1191.90	-10.83	-38.67	-10.84	-38.65	-0.64	-131.58	-497.17	-466.07	-162.67	101.99
530	10	335	1317.22	26.98	-17.43	-14.69	24.25	10.68	36.63	-466.82	-460.75	30.56	54.93
		760	426.15	-15.55	-43.13	-16.21	-42.47	4.22	142.24	-16.72	-14.57	140.08	-18.37
		772	266.79	-21.85	-40.36	-21.91	-40.31	-0.99	-25.13	-103.66	-48.93	-79.86	36.09
		529	1279.89	27.49	-24.62	-19.21	22.09	15.88	-154.26	-530.22	-495.11	-189.38	109.40
530	11	335	1256.40	-9.56	-40.25	-10.94	-38.87	-6.36	50.63	-440.39	-434.64	44.89	52.78
		760	444.85	-9.76	-46.99	-11.13	-45.62	-7.01	146.96	-19.83	-17.72	144.86	-18.62
		772	220.47	-9.86	-46.99	-11.46	-45.39	-7.54	-28.70	-88.43	-54.02	-63.11	29.52
		529	1199.49	-10.06	-40.26	-11.23	-39.09	-5.83	-132.94	-501.07	-470.94	-163.08	100.92
531	1	529	1283.79	-5.17	-65.79	-10.42	-60.54	-17.06	-78.11	-510.81	-495.26	-93.67	80.55
		772	388.48	-4.00	-115.21	-12.64	-106.58	-29.76	-52.49	-156.38	-147.17	-61.70	-29.52
		761	688.97	-11.38	-115.10	-18.27	-108.22	-25.83	15.92	-244.32	-231.79	3.39	-55.71
		337	1541.49	-8.51	-67.65	-17.26	-58.90	-20.99	-23.27	-585.19	-579.88	-28.58	54.37
531	2	529	1309.89	-4.22	-60.65	-5.03	-59.84	-6.71	-78.34	-520.88	-505.50	-93.72	81.05
		772	390.29	-2.91	-120.49	-7.31	-116.09	-22.32	-51.81	-159.46	-149.81	-61.46	-30.75
		761	712.62	-8.56	-120.93	-11.34	-118.16	-17.44	16.77	-248.61	-235.35	3.51	-57.81
		337	1573.04	-7.02	-60.42	-9.67	-57.77	-11.60	-23.62	-596.18	-591.04	-28.75	53.99
531	3	529	1363.92	54.09	-18.04	-17.70	53.75	-4.95	-113.13	-551.14	-533.20	-131.07	86.81
		772	400.00	0.93	-84.21	-21.21	-62.07	-37.35	-84.02	-159.06	-149.69	-93.38	-24.80
		761	636.37	-8.89	-79.24	-21.61	-66.52	-27.08	-2.30	-236.92	-226.43	-12.79	-48.47
		337	1615.50	61.17	-19.95	-16.99	58.20	-15.22	-43.44	-616.98	-609.94	-50.48	63.14
531	4	529	1487.13	52.45	-26.97	-24.53	50.01	-13.69	-124.42	-601.31	-586.15	-139.59	83.68
		772	463.04	21.02	-40.25	-26.81	7.58	-25.35	-85.69	-189.35	-174.41	-100.63	-36.41
		761	758.04	15.72	-43.20	-33.59	6.11	-21.77	-3.64	-273.92	-257.92	-19.65	-63.80
		337	1766.26	54.89	-36.29	-32.89	51.48	-17.28	-53.47	-674.79	-669.65	-58.61	56.29
531	5	529	1374.79	-0.69	-35.85	-21.30	-15.24	-17.32	-97.46	-555.37	-541.21	-111.63	79.29
		772	432.87	-5.26	-51.81	-22.65	-34.41	-22.52	-64.17	-175.46	-162.19	-77.44	-36.06
		761	730.96	-10.20	-52.72	-27.89	-35.03	-20.96	7.85	-263.56	-247.35	-8.36	-64.32
		337	1644.78	-1.26	-41.28	-27.91	-14.63	-18.88	-38.12	-630.80	-626.37	-42.55	51.03
531	6	529	1295.17	-5.58	-71.86	-21.44	-56.00	-28.28	-81.04	-517.93	-504.15	-94.82	76.36
		772	409.07	-6.31	-87.60	-22.50	-71.40	-32.47	-52.12	-162.10	-150.77	-63.45	-33.42
		761	697.04	-10.64	-87.80	-26.54	-71.90	-31.21	17.09	-248.35	-233.58	2.32	-60.85
		337	1549.69	-8.10	-73.92	-26.52	-55.50	-29.54	-24.79	-591.22	-586.95	-29.05	48.94
531	7	529	1275.26	-2.68	-56.55	-14.54	-44.69	-22.32	-82.50	-511.02	-496.55	-96.97	77.41
		772	391.92	-3.19	-87.89	-16.25	-74.83	-30.59	-54.21	-157.06	-146.49	-64.77	-31.22
		761	670.15	-9.75	-87.77	-21.66	-75.86	-28.06	15.28	-241.49	-228.14	1.92	-57.01
		337	1526.08	-5.19	-59.72	-21.26	-43.65	-24.86	-25.45	-583.01	-578.19	-30.27	51.63
531	8	529	1046.13	47.29	-14.15	-14.00	47.13	-3.09	-87.95	-422.52	-408.56	-101.91	66.90
		772	306.48	1.10	-66.71	-16.85	-48.76	-29.92	-65.93	-121.35	-114.52	-72.76	-18.22
		761	482.26	-6.75	-62.48	-16.77	-52.45	-21.40	-3.37	-180.28	-172.63	-11.01	-35.97
		337	1236.68	52.87	-14.93	-12.88	50.83	-11.60	-34.57	-472.26	-466.67	-40.17	49.15
531	9	529	921.56	-3.61	-42.35	-7.89	-38.07	-12.14	-57.86	-367.98	-356.94	-68.89	57.45
		772	278.81	-2.95	-75.02	-9.39	-68.58	-20.55	-38.83	-112.39	-105.39	-45.84	-21.59
		761	490.00	-8.11	-74.89	-13.35	-69.66	-17.95	11.36	-174.86	-165.62	2.12	-40.44
		337	1106.11	-5.75	-43.95	-12.71	-36.99	-14.75	-17.21	-420.89	-417.17	-20.93	38.60
531	10	529	965.20	26.19	-12.70	-11.93	25.42	-5.42	-77.33	-390.37	-378.02	-89.67	60.92
		772	284.70	-0.13	-57.88	-14.16	-43.85	-24.77	-56.31	-113.92	-106.79	-63.44	-18.96
		761	462.11	-6.51	-55.19	-15.20	-46.49	-18.65	1.23	-170.73	-162.64	-6.86	-36.42
		337	1147.59	31.11	-15.61	-12.56	28.06	-11.54	-28.44	-438.53	-433.87	-33.10	43.47
531	11	529	927.90	-3.48	-46.08	-14.01	-35.55	-18.38	-59.48	-371.93	-361.88	-69.53	55.12
		772	290.18	-4.06	-59.85	-14.87	-49.04	-22.06	-38.60	-115.60	-107.39	-46.81	-23.75
		761	496.03	-7.49	-59.93	-17.94	-49.48	-20.94	12.02	-177.10	-166.61	1.53	-43.29
		337	1110.68	-5.16	-47.80	-17.86	-35.11	-19.50	-18.05	-424.24	-421.10	-21.19	35.58
532	1	337	1796.13	-3.99	-87.93	-22.12	-69.80	-34.54	76.89	-624.36	-617.98	70.51	66.57

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		761	707.04	-11.22	-130.98	-25.49	-116.71	-38.80	222.38	-39.66	-33.44	216.17	-39.88
		773	288.87	1.39	-130.61	-14.47	-114.75	-42.91	-53.00	-117.09	-89.88	-80.20	31.68
		306	1722.78	-1.54	-84.94	-14.73	-71.75	-30.43	-186.74	-713.54	-674.42	-225.86	138.12
532	2	337	1825.32	-8.43	-67.39	-17.64	-58.17	-21.41	76.88	-637.10	-630.84	70.61	66.59
		761	726.09	-14.50	-124.29	-21.51	-117.28	-26.84	228.53	-38.76	-31.85	221.62	-42.42
		773	299.46	-1.24	-123.86	-10.23	-114.87	-31.97	-54.17	-119.44	-89.68	-83.93	32.51
		306	1752.45	-5.36	-65.38	-10.16	-60.58	-16.29	-194.41	-729.19	-688.67	-234.94	141.53
532	3	337	1842.70	35.90	-55.34	-33.83	14.39	-38.73	58.69	-652.56	-644.11	50.23	77.08
		761	633.13	-9.74	-111.10	-41.57	-79.27	-47.04	212.80	-26.57	-22.89	209.12	-29.45
		773	356.68	19.60	-107.59	-12.78	-75.21	-55.41	-29.00	-134.17	-72.09	-91.07	51.72
		306	1784.54	30.78	-34.75	-14.31	10.33	-30.36	-199.27	-744.00	-693.31	-249.96	158.25
532	4	337	1996.27	51.91	-54.70	-33.02	30.23	-42.91	59.06	-707.73	-701.54	52.88	68.57
		761	688.44	21.11	-75.09	-37.56	-16.42	-46.93	219.35	-51.98	-44.91	212.28	-43.22
		773	336.32	34.78	-67.71	-18.63	-14.30	-51.20	-63.80	-134.16	-95.96	-102.00	35.05
		306	1892.60	49.54	-41.52	-20.08	28.10	-38.64	-220.86	-793.13	-752.59	-261.40	146.84
532	5	337	1884.48	20.52	-55.86	-25.50	-9.84	-37.38	67.05	-668.14	-662.75	61.67	62.70
		761	677.09	2.44	-82.52	-29.01	-51.07	-41.02	223.54	-48.12	-39.82	215.24	-46.74
		773	295.69	15.32	-80.24	-15.65	-49.27	-44.72	-65.40	-123.21	-94.04	-94.57	28.90
		306	1804.93	19.73	-47.80	-16.43	-11.64	-33.68	-210.37	-754.76	-716.98	-248.15	138.35
532	6	337	1802.15	6.38	-89.98	-24.77	-58.83	-45.07	75.06	-629.37	-624.08	69.77	60.84
		761	693.71	-2.16	-116.64	-27.93	-90.87	-47.82	224.00	-42.31	-34.52	216.21	-44.87
		773	273.48	11.04	-115.05	-14.61	-89.40	-50.76	-57.56	-112.66	-88.99	-81.23	27.28
		306	1725.52	9.70	-85.65	-15.65	-60.30	-42.13	-191.37	-714.85	-678.55	-227.68	132.99
532	7	337	1774.39	2.69	-79.22	-23.26	-53.27	-38.11	73.44	-620.70	-614.74	67.49	64.00
		761	678.16	-6.08	-111.18	-26.35	-90.92	-41.46	219.15	-38.43	-31.74	212.47	-40.95
		773	275.47	6.11	-110.34	-14.95	-89.29	-44.82	-53.44	-114.50	-86.16	-81.78	30.45
		306	1704.47	4.72	-75.15	-15.53	-54.89	-34.75	-188.60	-707.32	-669.17	-226.76	135.41
532	8	337	1408.42	30.37	-43.29	-27.02	14.10	-30.56	43.40	-498.99	-492.34	36.75	59.70
		761	480.56	-7.78	-87.94	-33.33	-62.38	-37.36	161.17	-20.14	-17.56	158.60	-21.45
		773	279.40	16.09	-85.05	-9.88	-59.07	-44.19	-20.29	-103.61	-54.61	-69.29	41.01
		306	1365.05	25.97	-26.30	-11.12	10.79	-23.73	-151.63	-568.89	-529.38	-191.14	122.17
532	9	337	1288.28	-1.85	-58.20	-15.75	-44.29	-24.30	54.66	-448.99	-444.45	50.11	47.60
		761	501.02	-7.40	-87.07	-18.13	-76.35	-27.19	159.64	-27.32	-22.78	155.10	-28.77
		773	205.51	1.63	-86.75	-10.13	-75.00	-30.01	-37.96	-83.88	-62.97	-58.87	22.87
		306	1236.33	-0.22	-55.80	-10.38	-45.64	-21.48	-135.63	-512.85	-484.64	-163.85	99.24
532	10	337	1312.49	19.46	-39.24	-22.26	2.48	-26.62	44.52	-464.63	-458.96	38.85	53.44
		761	459.61	-6.48	-76.12	-27.06	-55.54	-31.77	154.27	-20.00	-16.92	151.19	-22.97
		773	241.98	11.85	-74.08	-9.20	-53.03	-36.96	-24.48	-93.51	-53.09	-64.90	34.01
		306	1270.44	16.93	-27.12	-10.15	-0.04	-21.44	-142.65	-529.72	-495.13	-177.24	110.42
532	11	337	1291.63	4.20	-59.63	-17.23	-38.20	-30.14	53.64	-451.77	-447.83	49.70	44.42
		761	493.64	-2.15	-79.32	-19.48	-61.99	-32.20	160.53	-28.79	-23.38	155.12	-31.54
		773	196.37	7.15	-78.27	-10.21	-60.91	-34.37	-40.47	-81.44	-62.47	-59.44	20.43
		306	1237.88	6.29	-56.45	-10.89	-39.28	-27.97	-138.22	-513.57	-486.93	-164.86	96.39
533	1	306	1371.70	4.79	-129.23	-13.75	-110.69	-46.27	-72.07	-533.80	-519.68	-86.19	79.49
		773	467.98	7.34	-158.85	-13.12	-138.39	-54.60	-33.76	-177.63	-161.65	-49.74	-45.21
		762	823.50	14.15	-157.19	-3.27	-139.78	-51.78	32.10	-281.45	-264.65	15.30	-70.61
		340	1696.31	18.33	-128.19	-0.55	-109.30	-49.09	-16.33	-627.50	-622.68	-21.15	54.08
533	2	306	1391.61	5.06	-98.44	-3.34	-90.04	-28.26	-75.84	-544.74	-529.83	-90.75	82.26
		773	461.26	7.37	-140.37	-4.12	-128.88	-39.57	-35.80	-180.46	-163.17	-53.10	-46.94
		762	836.76	8.10	-139.86	-1.21	-130.55	-35.92	25.77	-289.41	-271.54	7.91	-72.88
		340	1718.24	11.14	-98.60	0.91	-88.37	-31.91	-24.57	-643.38	-638.21	-29.74	56.32
533	3	306	1392.59	21.15	-88.01	-3.89	-62.97	-45.89	-77.06	-545.10	-523.04	-99.12	99.18
		773	416.56	22.71	-145.57	-4.62	-118.24	-62.07	-51.53	-162.98	-154.49	-60.01	-29.55
		762	776.66	24.28	-142.94	2.02	-120.67	-56.81	20.21	-270.70	-260.39	9.90	-53.79
		340	1711.00	33.30	-88.42	5.42	-60.54	-51.15	-19.99	-638.16	-628.94	-29.21	74.94
533	4	306	1475.10	31.59	-99.38	-26.21	-41.58	-65.03	-102.19	-592.20	-579.17	-115.23	78.85
		773	524.08	30.12	-119.19	-24.86	-64.21	-72.01	-55.51	-197.29	-178.96	-73.84	-47.57
		762	837.88	36.20	-113.06	-11.38	-65.48	-69.55	30.84	-288.96	-271.72	13.61	-72.22
		340	1793.43	45.04	-93.68	-8.32	-40.31	-67.49	-23.25	-676.46	-671.93	-27.78	54.20
533	5	306	1416.93	18.37	-91.75	-17.72	-55.66	-51.69	-94.30	-565.72	-553.60	-106.42	74.62
		773	507.80	18.35	-119.69	-17.06	-84.28	-60.29	-45.05	-191.87	-170.86	-66.07	-51.41
		762	817.88	23.32	-115.90	-6.87	-85.71	-57.37	28.40	-287.73	-268.68	9.35	-75.24
		340	1737.29	30.94	-89.23	-4.06	-54.23	-54.60	-26.88	-655.55	-651.41	-31.01	50.80
533	6	306	1367.02	10.92	-130.11	-17.52	-101.67	-56.59	-77.05	-534.90	-522.83	-89.12	73.37
		773	486.99	12.92	-150.78	-16.33	-121.53	-62.71	-32.58	-180.66	-161.68	-51.56	-49.49
		762	809.96	21.04	-148.16	-4.48	-122.64	-60.55	35.65	-278.70	-260.47	17.42	-73.47
		340	1689.28	25.57	-127.92	-1.79	-100.56	-58.74	-16.11	-625.65	-621.62	-20.14	49.38
533	7	306	1347.23	8.09	-120.54	-16.94	-95.52	-50.92	-75.76	-527.87	-514.66	-88.96	76.12
		773	466.06	10.08	-144.49	-16.00	-118.41	-57.89	-35.75	-175.26	-158.49	-52.52	-45.37
		762	791.31	17.29	-142.11	-5.20	-119.62	-55.48	32.05	-273.40	-256.51	15.16	-69.81
		340	1662.55	21.93	-118.77	-2.54	-94.30	-53.33	-16.80	-617.17	-612.69	-21.28	51.68
533	8	306	1066.45	17.17	-68.12	-2.31	-48.64	-35.81	-57.75	-416.54	-398.89	-75.40	77.60

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		773	314.69	18.43	-114.93	-2.96	-93.54	-48.93	-39.69	-123.36	-117.71	-45.34	-21.00
		762	593.31	19.44	-112.87	2.08	-95.51	-44.67	14.82	-206.34	-199.11	7.59	-39.32
		340	1309.55	26.68	-68.56	4.79	-46.67	-40.07	-14.92	-487.85	-480.30	-22.47	59.28
533	9	306	980.00	3.92	-86.99	-9.88	-73.18	-32.63	-53.45	-382.86	-372.84	-63.47	56.57
		773	334.29	5.61	-107.44	-9.43	-92.39	-38.40	-25.48	-127.07	-115.23	-37.32	-32.60
		762	583.83	10.25	-106.17	-2.57	-93.35	-36.44	22.65	-200.61	-188.36	10.40	-50.84
		340	1211.50	13.31	-86.20	-0.68	-72.22	-34.58	-12.36	-449.37	-445.98	-15.75	38.34
533	10	306	991.27	13.16	-64.23	-4.40	-46.67	-32.41	-56.34	-389.03	-374.71	-70.65	67.51
		773	305.32	14.25	-100.16	-4.71	-81.20	-42.55	-35.48	-118.79	-111.25	-43.03	-23.90
		762	557.15	15.97	-98.34	0.37	-82.74	-39.24	15.92	-194.52	-185.99	7.40	-41.49
		340	1219.25	21.73	-64.22	2.64	-45.13	-35.73	-14.50	-455.19	-449.45	-20.23	49.93
533	11	306	977.45	7.47	-87.62	-11.98	-68.17	-38.36	-56.22	-383.47	-374.59	-65.10	53.17
		773	344.81	8.82	-103.07	-11.22	-165.77	-42.91	-24.80	-128.77	-115.24	-38.33	-34.98
		762	576.34	14.18	-101.25	-3.24	-83.83	-41.32	24.63	-199.08	-186.04	11.58	-52.43
		340	1207.60	17.45	-86.17	-1.36	-67.36	-39.94	-12.24	-448.34	-445.39	-15.19	35.73
534	1	340	2040.71	1.24	-198.46	-10.26	-186.95	-46.54	107.44	-676.28	-671.29	102.45	62.33
		762	890.59	-0.48	-177.44	-12.14	-165.77	-43.91	274.83	-47.89	-37.16	264.09	-57.86
		774	322.72	15.62	-176.14	5.66	-166.18	-42.55	-22.99	-105.33	-99.09	-29.23	21.79
		435	1931.30	13.71	-198.00	2.26	-186.54	-47.90	-155.95	-768.15	-733.23	-190.87	141.98
534	2	340	2064.03	-3.16	-159.56	-9.41	-153.31	-30.63	101.88	-695.00	-689.80	96.68	64.14
		762	883.77	-4.69	-151.53	-10.88	-145.34	-29.50	275.90	-47.72	-35.83	264.00	-60.90
		774	295.55	6.40	-150.96	0.82	-145.38	-29.11	-34.70	-108.28	-101.26	-41.72	21.62
		435	1962.69	4.85	-159.36	-1.23	-153.28	-31.02	-172.15	-792.12	-755.24	-209.04	146.66
534	3	340	2062.00	-2.60	-184.11	-13.14	-173.58	-42.44	108.82	-686.09	-677.19	99.92	83.65
		762	848.99	-4.08	-162.67	-14.80	-151.95	-39.81	268.74	-33.53	-27.78	262.99	-41.26
		774	331.71	10.70	-161.44	1.67	-152.40	-38.38	-19.00	-112.47	-92.97	-38.50	37.98
		435	1975.54	9.02	-183.69	-1.54	-173.12	-43.87	-156.30	-787.65	-742.37	-201.58	162.89
534	4	340	2134.81	7.08	-185.40	-18.67	-159.64	-65.53	106.22	-717.92	-712.90	101.19	64.15
		762	864.57	8.56	-145.09	-20.81	-115.71	-60.42	278.18	-50.35	-40.47	268.30	-56.11
		774	317.75	27.36	-139.61	4.57	-116.82	-57.32	-19.57	-103.99	-94.84	-28.71	26.24
		435	2019.23	24.95	-184.20	-0.72	-158.53	-68.63	-160.45	-802.64	-767.27	-195.82	146.50
534	5	340	2074.60	3.74	-165.09	-14.73	-146.62	-52.69	99.83	-701.23	-696.68	95.28	60.20
		762	861.35	2.71	-143.60	-16.91	-123.98	-49.85	274.53	-49.86	-38.02	262.68	-60.84
		774	300.65	19.55	-140.68	3.25	-124.39	-48.43	-27.07	-103.60	-96.43	-34.24	22.30
		435	1971.16	17.34	-164.12	-0.56	-146.21	-54.12	-166.72	-790.01	-755.09	-201.64	143.34
534	6	340	2031.34	3.66	-200.07	-11.63	-184.78	-53.68	106.81	-673.41	-668.96	102.36	58.79
		762	886.04	2.23	-173.85	-13.65	-157.97	-50.43	277.25	-46.45	-34.58	265.38	-60.82
		774	315.77	19.76	-171.82	6.48	-158.54	-48.65	-20.91	-100.91	-95.44	-26.38	20.18
		435	1923.37	17.77	-199.44	2.54	-184.21	-55.46	-155.39	-763.83	-729.81	-189.40	139.79
534	7	340	1996.57	2.48	-189.64	-11.81	-175.35	-50.42	104.01	-663.69	-658.92	99.24	60.31
		762	858.76	1.02	-165.88	-13.78	-151.08	-47.44	268.91	-44.71	-34.10	258.30	-56.70
		774	306.08	17.80	-163.99	5.38	-151.57	-45.86	-21.99	-99.70	-92.90	-28.78	21.96
		435	1889.90	15.85	-189.04	1.67	-174.86	-52.00	-153.61	-751.95	-717.72	-187.84	138.97
534	8	340	1578.90	-2.20	-145.10	-10.22	-137.07	-32.91	84.01	-524.20	-517.00	76.81	65.79
		762	650.83	-3.35	-128.07	-11.51	-119.92	-30.83	205.08	-25.54	-21.58	201.11	-29.98
		774	261.05	8.21	-127.15	1.35	-120.29	-29.69	-13.01	-87.43	-71.84	-28.59	30.28
		435	1514.52	6.90	-144.78	-1.17	-136.71	-34.05	-117.56	-602.60	-567.26	-152.90	126.06
534	9	340	1456.58	0.84	-135.40	-7.53	-127.03	-32.72	75.94	-484.31	-480.76	72.39	44.46
		762	629.67	-0.32	-120.80	-8.84	-112.28	-30.89	196.14	-32.92	-25.16	188.38	-41.44
		774	222.09	10.85	-119.83	3.59	-112.57	-29.94	-17.79	-73.94	-69.09	-22.63	15.77
		435	1378.60	9.53	-135.06	1.21	-126.75	-33.66	-113.48	-549.82	-524.68	-138.62	101.68
534	10	340	1468.16	-1.29	-127.44	-9.13	-119.60	-30.44	76.63	-489.69	-484.03	70.98	56.31
		762	606.13	-2.31	-112.61	-10.32	-104.61	-28.61	192.65	-24.84	-19.96	187.77	-32.22
		774	227.35	8.12	-111.67	1.37	-104.91	-27.63	-15.55	-77.92	-65.69	-27.79	24.77
		435	1403.09	6.93	-127.12	-0.90	-119.29	-31.43	-113.72	-560.61	-529.76	-144.58	113.30
534	11	340	1451.38	2.22	-136.34	-8.29	-125.83	-36.69	75.59	-482.71	-479.46	72.33	42.49
		762	627.17	1.23	-118.86	-9.68	-107.95	-34.51	197.49	-32.13	-23.73	189.09	-43.09
		774	218.22	13.19	-117.47	4.04	-108.33	-33.33	-16.66	-71.45	-67.06	-21.05	14.88
		435	1374.20	11.81	-135.90	1.37	-125.45	-37.87	-113.17	-547.42	-522.78	-137.81	100.46
535	1	435	1901.04	11.66	-260.02	10.38	-258.73	18.64	-43.07	-698.77	-696.75	-45.10	-36.38
		774	476.18	12.49	-154.35	10.38	-152.24	18.66	33.11	-137.00	-98.88	-5.02	-70.93
		763	849.29	24.60	-154.21	22.63	-152.24	18.66	155.26	-172.50	-133.09	115.85	-106.60
		341	2204.55	23.86	-259.96	22.63	-258.73	18.64	82.15	-737.34	-730.96	75.77	-72.05
535	2	435	1921.02	4.44	-218.15	3.09	-216.80	17.27	-56.00	-720.05	-718.13	-57.92	-35.64
		774	451.76	5.33	-130.15	3.09	-127.91	17.28	23.07	-140.27	-101.07	-16.13	-69.76
		763	823.16	18.13	-129.95	16.08	-127.91	17.28	149.44	-173.76	-134.06	109.74	-106.09
		341	2222.88	17.36	-218.08	16.08	-216.80	17.27	74.23	-757.39	-751.12	67.95	-71.97
535	3	435	1914.88	5.97	-245.75	5.09	-244.87	14.87	-45.31	-708.46	-707.82	-45.95	-20.51
		774	409.97	6.56	-145.45	5.09	-143.98	14.88	14.57	-125.25	-102.76	-7.92	-51.37
		763	797.10	21.20	-145.32	19.86	-143.98	14.88	146.41	-160.64	-131.26	117.03	-90.32
		341	2207.19	20.69	-245.71	19.86	-244.87	14.87	83.32	-740.63	-736.32	79.00	-59.46
535	4	435	1955.83	12.36	-252.83	12.36	-252.83	-0.80	-49.20	-723.63	-721.06	-51.77	-41.55

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		774	452.46	12.36	-127.21	12.36	-127.21	-0.78	28.98	-139.36	-103.30	-7.08	-69.06
		763	823.71	25.26	-127.21	25.25	-127.21	-0.78	164.17	-161.88	-125.85	128.13	-102.23
		341	2247.78	25.25	-252.83	25.25	-252.83	-0.80	90.14	-750.29	-743.60	83.45	-74.71
535	5	435	1921.45	10.07	-235.36	9.97	-235.26	4.94	-52.74	-715.09	-712.72	-55.11	-39.55
		774	451.63	10.16	-125.44	9.97	-125.26	4.96	27.77	-139.79	-100.43	-11.58	-71.03
		763	821.00	23.31	-125.42	23.14	-125.26	4.96	157.32	-167.44	-129.13	119.01	-104.76
		341	2220.47	23.23	-235.35	23.14	-235.26	4.94	82.00	-747.94	-741.42	75.48	-73.28
535	6	435	1893.04	13.42	-264.13	12.64	-263.35	14.70	-41.60	-694.01	-691.79	-43.81	-37.96
		774	475.34	13.96	-151.66	12.64	-150.35	14.72	36.75	-135.31	-95.54	-3.02	-72.54
		763	846.24	25.15	-151.58	23.92	-150.35	14.72	158.11	-169.66	-129.75	118.20	-107.18
		341	2196.74	24.67	-264.10	23.92	-263.35	14.70	83.91	-732.50	-726.00	77.41	-72.60
535	7	435	1852.83	11.79	-251.65	11.11	-250.96	13.41	-43.09	-681.74	-679.73	-45.11	-35.83
		774	453.81	12.26	-145.13	11.11	-143.98	13.43	31.72	-131.92	-94.95	-5.25	-68.43
		763	818.68	24.25	-145.05	23.18	-143.98	13.43	153.43	-163.99	-126.38	115.82	-102.59
		341	2148.00	23.84	-251.62	23.18	-250.96	13.41	82.14	-717.33	-711.15	75.96	-69.99
535	8	435	1469.12	4.62	-192.86	3.88	-192.12	12.06	-32.84	-541.99	-541.59	-33.25	-14.34
		774	315.61	5.11	-114.75	3.88	-113.52	12.07	11.26	-95.45	-79.56	-4.63	-37.99
		763	612.53	16.53	-114.64	15.41	-113.52	12.07	111.64	-123.38	-101.56	89.82	-68.20
		341	1692.21	16.11	-192.82	15.41	-192.12	12.06	64.37	-566.75	-563.59	61.20	-44.55
535	9	435	1352.67	7.77	-178.82	7.01	-178.06	11.88	-32.90	-499.31	-497.86	-34.35	-25.95
		774	331.71	8.27	-105.17	7.01	-103.91	11.89	22.00	-97.16	-69.77	-5.40	-50.14
		763	597.65	16.91	-105.08	15.74	-103.91	11.89	110.50	-121.19	-93.30	82.62	-75.39
		341	1568.55	16.47	-178.78	15.74	-178.06	11.88	58.19	-525.91	-521.39	53.66	-51.20
535	10	435	1360.23	4.62	-170.91	4.07	-170.36	9.78	-34.20	-504.63	-504.01	-34.82	-17.13
		774	294.04	4.99	-100.24	4.07	-99.32	9.79	11.48	-90.41	-71.93	-7.01	-39.27
		763	568.37	15.04	-100.16	14.20	-99.32	9.79	105.52	-114.54	-92.29	83.27	-66.34
		341	1569.96	14.72	-170.88	14.20	-170.36	9.78	58.81	-527.72	-524.37	55.46	-44.21
535	11	435	1348.20	8.76	-181.12	8.27	-180.62	9.69	-32.08	-496.66	-495.10	-33.64	-26.83
		774	331.22	9.11	-103.70	8.27	-102.86	9.70	24.03	-96.23	-67.92	-4.29	-51.03
		763	595.96	17.24	-103.64	16.46	-102.86	9.70	112.09	-119.61	-91.44	83.92	-75.71
		341	1564.21	16.93	-181.10	16.46	-180.62	9.69	59.17	-523.23	-518.63	54.57	-51.51
536	1	341	2238.59	48.49	-167.14	29.76	-148.41	60.74	37.96	-790.71	-790.39	37.64	-16.20
		763	653.81	48.90	-162.92	29.76	-143.78	60.74	144.76	-81.99	-75.41	138.18	-38.04
		775	463.17	39.33	-163.93	19.18	-143.78	60.74	-127.28	-173.46	-141.81	-158.94	-21.44
		401	2067.02	38.88	-168.10	19.18	-148.41	60.74	-259.48	-856.78	-856.78	-259.48	0.40
536	2	341	2259.36	38.30	-135.95	22.20	-119.85	50.46	28.23	-810.16	-809.88	27.95	-15.40
		763	616.34	38.02	-138.78	22.20	-122.96	50.46	136.96	-83.25	-77.40	131.11	-35.41
		775	464.91	33.49	-139.24	17.22	-122.96	50.46	-131.31	-174.99	-141.10	-165.19	-18.22
		401	2097.34	33.79	-136.42	17.22	-119.85	50.46	-268.35	-873.59	-873.58	-268.36	1.79
536	3	341	2231.61	43.03	-161.03	26.29	-144.29	55.99	36.31	-791.20	-791.18	36.30	-3.75
		763	616.42	43.61	-154.67	26.29	-137.34	55.99	134.82	-81.63	-79.51	132.70	-21.33
		775	454.11	37.67	-155.25	19.76	-137.34	55.99	-135.29	-160.66	-138.98	-156.97	-8.94
		401	2054.24	37.05	-161.58	19.76	-144.29	55.99	-253.25	-850.77	-850.65	-253.37	8.63
536	4	341	2255.89	43.29	-165.53	31.12	-153.35	48.92	38.95	-795.91	-795.58	38.61	-16.79
		763	638.38	44.88	-142.72	31.12	-128.95	48.92	143.73	-82.62	-77.82	138.93	-32.61
		775	437.67	36.23	-143.44	21.74	-128.95	48.92	-124.82	-162.24	-134.97	-152.09	-16.64
		401	2063.99	34.48	-166.10	21.74	-153.35	48.92	-252.40	-852.72	-852.72	-252.41	-0.82
536	5	341	2245.31	42.39	-152.29	28.88	-138.78	49.47	34.86	-796.86	-796.53	34.53	-16.51
		763	629.89	43.33	-140.53	28.88	-126.09	49.47	141.30	-82.41	-76.80	135.69	-34.98
		775	448.60	35.19	-141.26	20.02	-126.09	49.47	-126.85	-168.24	-137.91	-157.18	-18.32
		401	2068.51	34.17	-152.93	20.02	-138.78	49.47	-258.35	-857.64	-857.64	-258.35	0.15
536	6	341	2229.51	49.05	-169.27	31.02	-151.24	60.09	39.52	-785.68	-785.35	39.18	-16.61
		763	654.42	49.65	-162.77	31.02	-144.14	60.09	146.90	-79.22	-72.24	139.93	-39.10
		775	459.82	39.67	-163.78	20.03	-144.14	60.09	-124.87	-172.49	-139.61	-157.75	-22.01
		401	2058.24	39.01	-170.22	20.03	-151.24	60.09	-258.50	-852.72	-852.72	-258.50	0.47
536	7	341	2176.99	46.54	-163.34	29.81	-146.61	56.85	37.61	-768.11	-767.82	37.32	-15.14
		763	630.95	47.26	-155.35	29.81	-137.89	56.85	141.13	-77.84	-71.89	135.18	-35.60
		775	446.10	38.00	-156.27	19.62	-137.89	56.85	-123.05	-166.10	-135.36	-153.80	-19.45
		401	2006.56	37.20	-164.19	19.62	-146.61	56.85	-251.65	-831.30	-831.30	-251.65	1.02
536	8	341	1711.21	33.64	-127.02	20.45	-113.83	44.10	28.69	-605.71	-605.71	28.68	-2.14
		763	476.36	34.14	-121.55	20.45	-107.85	44.10	103.58	-63.28	-61.77	102.07	-15.78
		775	347.94	29.56	-122.01	15.40	-107.85	44.10	-104.52	-122.23	-107.50	-119.25	-6.63
		401	1574.94	29.02	-127.44	15.40	-113.83	44.10	-192.53	-651.54	-651.43	-192.64	7.00
536	9	341	1591.25	33.27	-114.59	20.62	-101.94	41.36	26.00	-563.32	-563.11	25.79	-11.14
		763	457.28	33.54	-111.75	20.62	-98.82	41.36	101.87	-57.43	-53.05	97.48	-26.07
		775	328.60	27.08	-112.41	13.50	-98.82	41.36	-90.69	-122.72	-99.42	-113.98	-14.27
		401	1468.76	26.79	-115.22	13.50	-101.94	41.36	-185.67	-609.49	-609.48	-185.67	0.66
536	10	341	1587.36	30.23	-111.19	18.69	-99.65	38.72	25.07	-563.58	-563.55	25.04	-4.23
		763	436.36	30.60	-107.16	18.69	-95.25	38.72	96.29	-57.18	-55.32	94.43	-16.78
		775	323.43	26.17	-107.60	13.82	-95.25	38.72	-94.88	-115.86	-97.85	-112.88	-7.32
		401	1461.65	25.77	-111.60	13.82	-99.65	38.72	-182.21	-606.14	-606.08	-182.28	5.24
536	11	341	1586.20	33.58	-115.77	21.32	-103.51	41.00	26.87	-560.53	-560.31	26.65	-11.37

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		763	457.60	33.96	-111.66	21.32	-99.02	41.00	103.05	-55.89	-51.28	98.45	-26.66
		775	326.75	27.28	-112.33	13.97	-99.02	41.00	-89.33	-122.19	-98.20	-113.32	-14.58
		401	1463.88	26.86	-116.40	13.97	-103.51	41.00	-185.12	-607.23	-607.22	-185.12	0.70
537	1	401	2148.53	56.44	-157.09	24.55	-125.20	76.11	-78.04	-817.36	-812.60	-82.81	-59.17
		775	577.92	65.15	-118.16	24.55	-77.56	76.12	-45.06	-208.34	-157.16	-96.23	-75.74
		764	1162.18	24.38	-134.40	-32.47	-77.56	76.12	230.72	-235.61	-151.33	146.44	-179.44
		334	2566.57	10.29	-167.96	-32.47	-125.20	76.11	186.57	-833.47	-806.77	159.87	-162.87
537	2	401	2165.15	46.19	-136.97	21.10	-111.88	62.98	-82.22	-828.81	-824.16	-86.87	-58.77
		775	561.90	54.07	-99.22	21.10	-66.25	62.98	-52.19	-210.06	-160.97	-101.28	-73.08
		764	1152.37	19.35	-112.59	-26.99	-66.25	62.98	234.33	-233.91	-150.77	151.19	-178.93
		334	2589.43	6.51	-145.38	-26.99	-111.88	62.98	192.52	-840.89	-813.96	165.59	-164.63
537	3	401	2111.96	53.40	-153.60	24.64	-124.83	71.60	-79.76	-805.18	-801.63	-83.31	-50.63
		775	533.19	61.92	-112.90	24.64	-75.62	71.60	-60.26	-198.80	-160.48	-98.59	-61.97
		764	1099.89	20.44	-129.00	-32.94	-75.62	71.60	219.75	-222.12	-147.18	144.81	-165.83
		334	2506.55	6.19	-163.96	-32.94	-124.83	71.60	184.61	-812.86	-788.33	160.08	-154.49
537	4	401	2123.46	53.22	-151.07	26.79	-124.64	68.56	-80.24	-808.88	-803.81	-85.31	-60.60
		775	558.25	61.60	-108.28	26.79	-73.48	68.56	-48.10	-204.28	-156.93	-95.45	-71.78
		764	1114.21	18.74	-124.45	-32.23	-73.48	68.56	227.28	-221.87	-143.32	148.73	-170.62
		334	2515.74	4.24	-161.11	-32.23	-124.64	68.56	184.93	-816.26	-790.20	158.87	-159.44
537	5	401	2134.13	50.87	-144.82	24.59	-118.53	66.73	-80.17	-814.29	-809.43	-85.02	-59.52
		775	563.13	59.06	-104.62	24.59	-70.14	66.74	-47.89	-207.01	-157.98	-96.91	-73.47
		764	1133.70	19.90	-119.61	-29.57	-70.14	66.74	229.28	-229.20	-148.16	148.24	-174.90
		334	2541.88	6.15	-154.25	-29.57	-118.53	66.73	186.40	-825.88	-799.61	160.13	-160.95
537	6	401	2139.34	57.49	-157.62	25.50	-125.62	76.54	-77.26	-813.22	-808.43	-82.05	-59.17
		775	575.90	66.01	-119.15	25.50	-78.63	76.55	-43.56	-206.65	-155.09	-95.12	-75.83
		764	1158.60	24.47	-135.47	-32.37	-78.63	76.55	230.74	-233.64	-149.52	146.61	-178.86
		334	2555.94	10.63	-168.62	-32.37	-125.62	76.54	186.28	-829.45	-802.86	159.69	-162.19
537	7	401	2081.16	55.13	-152.41	24.82	-122.10	73.29	-75.75	-791.50	-786.92	-80.33	-57.08
		775	556.46	63.41	-114.39	24.82	-75.80	73.30	-44.26	-200.80	-151.81	-93.25	-72.59
		764	1123.30	23.32	-130.00	-30.88	-75.80	73.30	224.50	-226.13	-145.19	143.57	-172.98
		334	2485.95	9.83	-162.81	-30.88	-122.10	73.29	182.25	-806.07	-780.31	156.49	-157.46
537	8	401	1620.15	41.97	-120.35	19.28	-97.66	56.29	-60.38	-616.96	-614.33	-63.01	-38.15
		775	408.94	48.62	-88.71	19.28	-59.37	56.29	-46.41	-152.02	-123.63	-74.80	-46.82
		764	841.90	16.09	-101.36	-25.90	-59.37	56.29	167.01	-170.56	-113.61	110.06	-126.42
		334	1919.97	4.97	-128.53	-25.90	-97.66	56.29	140.47	-622.93	-604.31	121.85	-117.75
537	9	401	1523.24	38.78	-108.62	17.12	-86.95	52.19	-56.46	-580.40	-577.01	-59.84	-41.99
		775	406.53	44.82	-81.23	17.12	-53.53	52.20	-33.15	-147.69	-111.38	-69.46	-53.29
		764	821.96	16.51	-92.43	-22.38	-53.53	52.20	164.68	-165.89	-106.32	105.11	-127.05
		334	1821.22	6.70	-116.04	-22.38	-86.95	52.19	133.72	-590.93	-571.94	114.73	-115.76
537	10	401	1502.90	37.10	-106.68	17.16	-86.75	49.69	-57.42	-573.62	-570.92	-60.12	-37.25
		775	381.57	43.02	-78.32	17.16	-52.45	49.69	-41.66	-142.34	-113.23	-70.77	-45.64
		764	787.35	14.33	-89.43	-22.65	-52.45	49.69	158.57	-158.38	-104.01	104.20	-119.49
		334	1787.88	4.43	-113.82	-22.65	-86.75	49.69	132.62	-579.48	-561.70	114.85	-111.09
537	11	401	1518.12	39.37	-108.91	17.64	-87.18	52.43	-56.02	-578.10	-574.70	-59.42	-41.99
		775	405.38	45.30	-81.79	17.64	-54.13	52.44	-32.32	-146.76	-110.23	-68.85	-53.35
		764	819.97	16.56	-93.03	-22.33	-54.13	52.44	164.69	-164.79	-105.31	105.20	-126.73
		334	1815.32	6.89	-116.41	-22.33	-87.18	52.43	133.55	-588.70	-569.77	114.63	-115.38
538	1	334	2873.47	12.80	-158.94	-28.32	-117.82	73.29	133.44	-989.28	-982.89	127.04	-84.48
		764	764.01	51.45	-95.54	-28.32	-15.77	73.23	267.06	0.57	31.40	236.23	-85.23
		766	564.79	18.23	-173.47	-139.47	-15.77	73.23	156.00	-48.10	13.32	94.57	-93.61
		429	2727.21	-54.56	-202.72	-139.47	-117.82	73.29	-5.95	-1009.64	-1000.97	-14.61	-92.85
538	2	334	2902.98	10.41	-149.54	-23.91	-115.23	65.66	137.79	-997.66	-991.35	131.48	-84.40
		764	762.47	48.12	-83.65	-23.91	-11.62	65.60	269.94	2.22	32.88	239.29	-85.24
		766	563.48	18.55	-154.21	-124.03	-11.62	65.60	158.18	-48.81	14.40	94.97	-95.33
		429	2745.51	-53.82	-185.44	-124.03	-115.23	65.66	-3.97	-1018.71	-1009.83	-12.85	-94.49
538	3	334	2796.26	11.84	-155.65	-28.73	-115.08	71.76	129.52	-963.39	-958.06	124.19	-76.14
		764	724.86	50.07	-93.96	-28.73	-15.17	71.70	254.20	1.66	27.99	227.87	-77.17
		766	530.65	17.94	-170.45	-137.34	-15.17	71.70	145.71	-45.66	10.13	89.92	-86.97
		429	2657.74	-53.60	-198.83	-137.34	-115.08	71.76	-6.14	-983.53	-975.91	-13.76	-85.93
538	4	334	2793.92	9.46	-152.11	-28.01	-114.64	68.19	128.30	-963.15	-957.08	122.23	-81.18
		764	729.48	47.97	-89.10	-28.01	-13.11	68.13	256.02	0.11	28.43	227.69	-80.29
		766	535.90	18.37	-160.56	-129.08	-13.11	68.13	149.25	-45.28	12.41	91.55	-88.85
		429	2647.46	-53.29	-190.43	-129.08	-114.64	68.19	-5.59	-981.43	-973.11	-13.91	-89.74
538	5	334	2837.35	9.81	-150.78	-25.89	-115.08	66.77	131.42	-977.16	-970.95	125.21	-82.78
		764	743.20	47.95	-86.16	-25.89	-12.33	66.71	261.20	-0.45	28.81	231.93	-82.47
		766	546.17	18.50	-156.70	-125.88	-12.33	66.71	152.42	-47.43	11.97	93.03	-91.33
		429	2685.63	-53.49	-187.47	-125.88	-115.08	66.77	-5.15	-996.34	-987.80	-13.69	-91.64
538	6	334	2861.33	13.59	-159.89	-28.17	-118.13	74.17	133.25	-984.66	-978.32	126.90	-83.98
		764	761.90	52.23	-96.48	-28.17	-16.08	74.11	266.40	1.57	32.46	235.52	-85.00
		766	564.82	18.18	-176.37	-142.11	-16.08	74.11	155.84	-47.49	14.20	94.15	-93.48
		429	2717.07	-54.99	-205.25	-142.11	-118.13	74.17	-5.84	-1005.21	-996.58	-14.47	-92.46
538	7	334	2779.78	13.11	-154.17	-26.78	-114.28	71.29	129.56	-956.53	-950.42	123.44	-81.25

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		764	737.41	50.42	-92.50	-26.78	-15.30	71.23	258.15	1.57	30.96	228.76	-81.71
		766	544.63	17.62	-169.42	-136.51	-15.30	71.23	150.70	-45.49	13.68	91.53	-90.04
		429	2637.82	-53.24	-197.54	-136.51	-114.28	71.29	-5.44	-976.04	-967.71	-13.78	-89.58
538	8	334	2141.68	9.57	-120.90	-22.54	-88.79	56.20	98.64	-738.18	-734.17	94.63	-57.81
		764	554.91	39.01	-73.77	-22.54	-12.22	56.15	193.80	0.44	20.46	173.79	-58.91
		766	407.22	13.73	-133.75	-107.80	-12.22	56.15	110.93	-35.84	6.58	68.51	-66.53
		429	2038.18	-41.30	-155.29	-107.80	-88.79	56.20	-4.88	-753.82	-748.06	-10.64	-65.43
538	9	334	2038.06	8.56	-111.06	-19.56	-82.94	50.73	95.24	-701.36	-696.83	90.71	-59.87
		764	540.33	35.84	-65.93	-19.56	-10.53	50.68	189.82	1.44	23.10	168.17	-60.09
		766	397.90	12.96	-119.89	-96.40	-10.53	50.68	110.79	-33.03	10.49	67.27	-66.07
		429	1931.89	-38.50	-140.84	-96.40	-82.94	50.73	-4.03	-715.59	-709.44	-10.18	-65.85
538	10	334	1995.16	8.02	-109.23	-19.79	-81.42	49.88	93.06	-686.97	-683.04	89.13	-55.24
		764	518.60	35.07	-65.06	-19.79	-10.20	49.83	182.67	2.05	21.20	163.52	-55.61
		766	378.93	12.80	-118.21	-95.22	-10.20	49.83	105.07	-31.66	8.72	64.69	-62.38
		429	1893.27	-37.97	-138.67	-95.22	-81.42	49.88	-4.14	-701.08	-695.52	-9.71	-62.00
538	11	334	2031.32	8.99	-111.59	-19.48	-83.11	51.21	95.14	-698.79	-694.29	90.64	-59.60
		764	539.16	36.27	-66.45	-19.48	-10.70	51.17	189.46	2.00	23.69	167.77	-59.96
		766	397.92	12.93	-121.50	-97.87	-10.70	51.17	110.71	-32.69	10.98	67.04	-65.99
		429	1926.26	-38.75	-142.23	-97.87	-83.11	51.21	-3.97	-713.13	-707.00	-10.10	-65.63
539	1	765	555.41	14.00	-27.58	13.99	-27.57	0.52	21.53	-191.22	-161.18	-8.51	-74.09
		792	176.67	14.78	13.68	13.99	14.47	0.50	-12.95	-69.21	-32.25	-49.91	-26.71
		778	353.59	14.48	-26.29	-26.29	14.47	0.50	74.43	-75.47	18.96	-20.00	-72.38
		751	644.49	-26.10	-27.76	-26.29	-27.57	0.52	92.30	-180.87	-109.97	21.40	-119.75
539	2	765	555.23	14.49	-24.69	14.44	-24.65	1.37	21.75	-190.97	-161.21	-8.01	-73.79
		792	177.20	15.64	12.94	14.44	14.14	1.34	-13.03	-69.20	-32.36	-49.87	-26.69
		778	355.35	14.19	-24.42	-24.37	14.14	1.34	74.48	-76.00	18.56	-20.08	-72.72
		751	644.60	-23.14	-25.88	-24.37	-24.65	1.37	92.55	-181.07	-110.29	21.78	-119.82
539	3	765	553.89	14.04	-25.03	14.00	-24.99	1.27	21.82	-190.48	-161.11	-7.55	-73.30
		792	176.83	15.35	12.84	14.00	14.19	1.25	-12.89	-69.05	-32.39	-49.56	-26.74
		778	355.49	14.24	-23.84	-23.80	14.19	1.25	74.17	-76.48	17.94	-20.25	-72.87
		751	643.57	-22.99	-25.80	-23.80	-24.99	1.27	92.07	-181.10	-110.78	21.76	-119.43
539	4	765	547.49	14.20	-24.10	14.10	-24.00	1.98	21.06	-188.39	-159.60	-7.73	-72.12
		792	172.62	16.35	12.40	14.10	14.65	1.96	-13.01	-67.19	-31.21	-48.99	-25.59
		778	346.48	14.75	-21.74	-21.64	14.65	1.96	74.96	-71.64	19.50	-16.18	-71.10
		751	635.37	-20.51	-25.12	-21.64	-24.00	1.98	93.46	-177.27	-108.89	25.09	-117.63
539	5	765	565.92	13.30	-24.44	13.28	-24.42	0.81	21.82	-195.36	-165.12	-8.42	-75.19
		792	178.41	14.08	12.49	13.28	13.29	0.79	-13.50	-70.14	-32.82	-50.83	-26.85
		778	358.85	13.31	-23.91	-23.89	13.29	0.79	76.25	-76.12	19.54	-19.41	-73.65
		751	657.97	-23.30	-25.02	-23.89	-24.42	0.81	94.72	-184.48	-112.76	23.00	-121.99
539	6	765	553.90	12.89	-27.99	12.89	-27.99	-0.11	21.44	-191.05	-161.12	-8.48	-73.91
		792	174.67	13.84	12.87	12.89	13.82	-0.14	-13.00	-68.78	-32.09	-49.69	-26.47
		778	350.69	13.82	-26.21	-26.21	13.82	-0.14	74.56	-74.45	19.27	-19.16	-71.99
		751	643.99	-26.20	-28.00	-26.21	-27.99	-0.11	92.55	-180.27	-109.76	22.05	-119.44
539	7	765	538.03	12.75	-27.12	12.75	-27.11	0.06	21.14	-185.32	-156.02	-8.16	-72.05
		792	170.47	13.62	12.75	12.75	13.62	0.04	-12.46	-66.98	-31.10	-48.33	-25.86
		778	342.09	13.62	-25.34	-25.34	13.62	0.04	72.69	-72.59	18.87	-18.77	-70.16
		751	625.86	-25.34	-27.12	-25.34	-27.11	0.06	90.33	-174.97	-106.05	21.41	-116.34
539	8	765	424.00	10.83	-19.33	10.80	-19.29	0.99	16.42	-145.93	-123.72	-5.79	-55.79
		792	134.94	11.86	9.91	10.80	10.97	0.97	-9.99	-52.71	-24.85	-37.85	-20.35
		778	271.19	11.00	-18.36	-18.33	10.97	0.97	56.52	-58.40	13.47	-15.35	-55.62
		751	492.06	-17.71	-19.91	-18.33	-19.29	0.99	70.05	-138.74	-85.40	16.71	-91.06
539	9	765	395.47	9.84	-19.26	9.83	-19.25	0.40	15.69	-136.01	-114.37	-5.96	-53.06
		792	126.26	10.41	9.58	9.83	10.15	0.38	-9.09	-49.43	-22.91	-35.61	-19.15
		778	252.99	10.16	-18.37	-18.37	10.15	0.38	53.31	-53.97	13.73	-14.39	-51.77
		751	459.69	-18.21	-19.41	-18.37	-19.25	0.40	66.24	-128.72	-77.73	15.26	-85.68
539	10	765	394.62	9.86	-17.84	9.84	-17.82	0.82	15.84	-135.60	-114.33	-5.43	-52.62
		792	126.34	10.72	9.11	9.84	10.00	0.80	-9.06	-49.34	-22.99	-35.41	-19.16
		778	254.04	10.02	-17.01	-16.99	10.00	0.80	53.16	-54.53	13.16	-14.53	-52.04
		751	459.17	-16.49	-18.32	-16.99	-17.82	0.82	66.12	-128.84	-78.18	15.46	-85.50
539	11	765	394.62	9.22	-19.49	9.22	-19.49	0.05	15.64	-135.92	-114.33	-5.95	-52.96
		792	125.14	9.79	9.22	9.22	9.79	0.03	-9.11	-49.19	-22.82	-35.48	-19.01
		778	251.38	9.79	-18.32	-18.32	9.79	0.03	53.38	-53.41	13.90	-13.92	-51.55
		751	459.41	-18.32	-19.49	-18.32	-19.49	0.05	66.38	-128.38	-77.62	15.62	-85.50
540	1	751	487.47	-21.48	-139.82	-55.76	-105.54	-53.68	108.81	-83.55	-34.98	60.24	-83.57
		778	365.61	5.78	-76.42	-48.80	-21.83	-38.82	50.64	-91.52	-89.07	48.19	-18.51
		794	1196.05	38.81	-52.03	7.99	-21.21	-43.01	468.13	54.89	55.54	467.48	-16.36
		767	1272.86	30.21	-124.13	12.25	-106.16	-49.49	496.66	92.50	109.63	479.53	-81.42
540	2	751	484.77	-20.71	-126.07	-51.07	-95.71	-47.71	109.10	-84.42	-35.73	60.41	-83.98
		778	365.28	6.51	-66.44	-44.52	-15.42	-33.45	50.62	-91.98	-89.30	47.95	-19.35
		794	1184.81	36.27	-42.30	8.77	-14.80	-37.48	464.88	53.50	54.28	464.11	-17.84
		767	1263.68	28.07	-111.67	12.73	-96.32	-43.68	494.17	90.25	107.85	476.57	-82.46
540	3	751	488.66	-20.60	-124.22	-50.08	-94.74	-46.74	109.10	-86.57	-37.50	60.03	-84.82

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		778	366.37	6.58	-64.60	-43.58	-14.44	-32.47	50.90	-92.21	-89.20	47.89	-20.54
		794	1174.22	35.95	-40.59	9.18	-13.81	-36.51	460.73	52.47	53.35	459.85	-18.94
		767	1255.10	27.88	-110.17	13.08	-95.36	-42.71	489.97	87.06	105.05	471.98	-83.22
540	4	751	483.03	-19.75	-116.59	-46.31	-90.03	-43.20	110.38	-84.34	-34.95	60.99	-84.72
		778	365.35	7.90	-57.48	-40.33	-9.25	-28.76	54.27	-90.30	-88.64	52.62	-15.37
		794	1215.94	33.16	-34.48	7.23	-8.55	-32.89	481.53	62.87	63.04	481.36	-8.30
		767	1281.54	23.91	-104.05	10.59	-90.73	-39.07	505.26	101.22	116.73	489.74	-77.65
540	5	751	501.22	-19.84	-126.43	-50.59	-95.67	-48.29	111.73	-88.47	-37.02	60.28	-87.48
		778	370.09	5.72	-68.10	-44.24	-18.14	-34.52	52.07	-93.50	-91.31	49.88	-17.72
		794	1224.38	35.36	-45.44	7.47	-17.55	-38.41	482.03	61.13	61.53	481.63	-12.91
		767	1295.95	27.28	-112.22	11.32	-96.26	-44.41	509.40	98.45	115.82	492.03	-82.67
540	6	751	492.70	-21.05	-141.81	-56.02	-106.84	-54.77	109.52	-84.59	-35.16	60.09	-84.57
		778	364.99	5.13	-78.91	-49.10	-24.69	-40.21	51.38	-91.13	-88.94	49.19	-17.55
		794	1203.12	38.80	-55.30	7.59	-24.09	-44.30	471.31	58.27	58.73	470.85	-13.78
		767	1275.79	30.48	-126.06	11.86	-107.44	-50.68	498.65	95.60	112.51	481.74	-80.80
540	7	751	478.22	-20.51	-136.33	-54.02	-102.82	-52.52	106.78	-81.84	-33.56	58.50	-82.31
		778	355.12	5.14	-75.34	-47.30	-22.90	-38.35	50.09	-88.57	-86.37	47.88	-17.34
		794	1170.63	37.57	-52.24	7.64	-22.32	-42.33	458.74	56.43	56.89	458.27	-13.68
		767	1241.15	29.50	-121.12	11.78	-103.40	-48.53	485.36	93.23	109.70	468.90	-78.65
540	8	751	372.95	-15.92	-95.75	-38.58	-73.09	-35.99	83.03	-66.30	-29.33	46.06	-64.45
		778	280.69	5.12	-49.66	-33.57	-10.97	-24.95	39.00	-70.57	-68.27	36.70	-15.72
		794	896.68	27.75	-31.09	7.15	-10.49	-28.07	351.58	39.39	40.09	350.88	-14.75
		767	959.32	21.52	-84.93	10.16	-73.57	-32.87	373.91	65.36	79.03	360.24	-63.48
540	9	751	348.92	-15.04	-97.50	-38.92	-73.61	-37.40	78.14	-59.81	-24.45	42.78	-60.23
		778	260.29	4.08	-53.19	-34.06	-15.05	-27.01	36.12	-65.25	-63.47	34.34	-13.33
		794	853.02	27.13	-36.09	5.66	-14.62	-29.94	334.29	39.90	40.35	333.84	-11.48
		767	907.06	21.12	-86.54	8.64	-74.05	-34.48	354.66	66.99	79.37	342.28	-58.38
540	10	751	349.55	-14.55	-88.83	-35.76	-67.62	-33.55	78.30	-61.49	-25.85	42.66	-60.92
		778	260.71	4.51	-46.61	-31.16	-10.95	-23.48	36.27	-65.63	-63.54	34.18	-14.45
		794	840.86	25.54	-29.73	6.32	-10.51	-26.33	330.17	38.56	39.14	329.60	-12.91
		767	897.19	19.83	-78.78	9.10	-68.05	-30.71	350.95	63.96	76.83	338.08	-59.38
540	11	751	351.83	-14.80	-98.60	-39.07	-74.34	-38.01	78.54	-60.39	-24.55	42.69	-60.79
		778	259.94	3.71	-54.57	-34.22	-16.64	-27.78	36.54	-65.03	-63.40	34.90	-12.79
		794	856.94	27.12	-37.91	5.44	-16.22	-30.66	336.05	41.78	42.13	335.71	-10.04
		767	908.69	21.27	-87.61	8.42	-74.76	-35.13	355.76	68.72	80.97	343.50	-58.04
541	1	767	873.21	17.55	-168.53	9.22	-160.21	-38.47	302.98	13.01	34.72	281.27	-76.30
		794	870.52	20.37	-128.22	11.16	-119.02	-35.82	318.55	24.08	55.96	286.67	-91.50
		779	568.61	3.41	-128.89	-5.62	-119.85	-33.38	42.24	-160.34	-15.97	-102.13	-91.67
		752	533.90	5.20	-169.55	-4.97	-159.37	-40.92	11.80	-156.54	-37.21	-107.53	-76.48
541	2	767	865.33	16.64	-144.80	10.54	-138.70	-30.77	303.02	11.00	33.78	280.24	-78.33
		794	861.08	19.29	-103.70	12.51	-96.91	-28.08	317.45	21.65	54.70	284.40	-93.18
		779	575.10	2.01	-104.33	-4.56	-97.76	-25.60	42.49	-168.48	-17.08	-108.90	-94.97
		752	539.93	3.90	-145.66	-3.90	-137.86	-33.26	12.94	-164.01	-38.00	-113.06	-80.12
541	3	767	871.27	16.40	-139.92	11.10	-134.62	-28.28	305.58	10.73	33.59	282.72	-78.85
		794	864.67	18.90	-96.96	13.00	-91.07	-25.46	318.74	20.02	53.10	285.65	-93.74
		779	572.41	2.84	-97.46	-2.69	-91.93	-22.89	44.18	-168.43	-18.74	-105.50	-97.05
		752	535.73	4.72	-140.63	-2.15	-133.76	-30.85	15.99	-162.69	-38.26	-108.44	-82.16
541	4	767	870.24	15.23	-132.97	10.60	-128.34	-25.78	311.00	23.74	41.59	293.15	-69.34
		794	865.53	17.67	-82.20	12.37	-76.90	-22.39	326.69	33.89	61.30	299.28	-85.29
		779	516.86	4.89	-82.41	0.34	-77.86	-19.40	36.42	-154.69	-14.40	-103.88	-84.43
		752	489.05	6.67	-133.56	0.50	-127.38	-28.76	6.23	-150.35	-34.11	-110.01	-68.48
541	5	767	872.68	15.75	-148.00	8.65	-140.90	-33.35	308.47	17.94	38.69	287.72	-74.82
		794	878.27	18.08	-112.91	10.26	-105.09	-31.04	325.84	29.64	60.57	294.92	-90.58
		779	558.02	4.19	-113.40	-3.42	-105.80	-28.92	39.08	-161.28	-14.16	-108.05	-88.50
		752	522.53	5.71	-148.81	-2.92	-140.19	-35.47	7.19	-158.47	-36.04	-115.24	-82.75
541	6	767	868.84	17.21	-171.23	8.09	-162.11	-40.45	302.64	16.70	37.20	282.14	-73.76
		794	873.31	19.73	-137.31	9.80	-127.38	-38.22	319.62	28.06	58.28	289.40	-88.86
		779	548.32	4.46	-137.96	-5.40	-128.10	-36.15	40.82	-151.13	-13.31	-97.00	-86.37
		752	514.03	6.02	-172.19	-4.78	-161.40	-42.52	10.05	-148.70	-34.39	-104.26	-71.27
541	7	767	848.42	16.71	-163.91	8.37	-155.57	-37.90	296.03	16.55	36.70	275.89	-72.28
		794	850.66	19.21	-128.45	10.08	-119.32	-35.57	311.86	26.86	56.44	282.29	-86.92
		779	536.08	4.24	-129.04	-4.74	-120.05	-33.41	40.22	-149.04	-13.45	-95.37	-85.30
		752	503.32	5.82	-164.82	-4.17	-154.83	-40.05	11.07	-146.03	-33.19	-101.77	-70.66
541	8	767	668.00	12.68	-107.64	8.69	-103.65	-21.55	233.65	7.25	24.67	216.23	-60.34
		794	661.69	14.61	-73.92	10.17	-69.48	-19.33	243.65	14.76	40.06	218.34	-71.78
		779	437.65	2.18	-74.30	-1.97	-70.15	-17.31	34.01	-128.78	-14.77	-80.00	-74.57
		752	409.34	3.65	-108.18	-1.56	-102.98	-23.56	12.12	-124.41	-30.17	-82.12	-63.13
541	9	767	620.80	12.24	-116.86	6.51	-111.12	-26.60	216.49	10.35	25.94	200.90	-54.50
		794	620.18	14.18	-89.00	7.85	-82.67	-24.77	227.49	17.62	40.37	204.74	-65.25
		779	405.02	2.44	-89.46	-3.78	-83.24	-23.08	30.03	-114.72	-11.05	-73.64	-65.26
		752	380.46	3.68	-117.55	-3.33	-110.54	-28.29	8.93	-111.87	-25.47	-77.47	-54.52
541	10	767	619.72	11.59	-100.95	7.55	-96.91	-20.93	217.94	9.08	25.32	201.71	-55.92

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		794	616.90	13.36	-71.63	8.87	-67.14	-19.01	227.59	15.36	38.78	204.18	-66.49
		779	407.05	2.11	-71.99	-2.15	-67.73	-17.25	31.10	-119.20	-12.59	-75.51	-68.25
		752	381.36	3.41	-101.48	-1.76	-96.31	-22.69	11.23	-115.26	-26.05	-77.98	-57.67
541	11	767	618.35	12.05	-118.35	5.88	-112.18	-27.70	216.30	12.41	27.32	201.39	-53.09
		794	621.69	13.83	-94.05	7.09	-87.31	-26.10	228.08	19.83	41.65	206.26	-63.78
		779	393.76	3.02	-94.50	-3.65	-87.82	-24.62	29.25	-109.61	-9.57	-70.79	-62.32
		752	369.45	4.13	-119.02	-3.22	-111.67	-29.18	7.96	-107.53	-23.91	-75.66	-51.63
542	1	752	340.67	-10.44	-216.97	-19.11	-208.30	-41.42	40.45	-56.09	16.25	-31.89	-41.84
		779	209.32	-9.37	-182.46	-17.07	-174.76	-35.70	-24.06	-53.31	-43.36	-34.01	-13.86
		795	884.03	7.50	-182.15	-0.17	-174.47	-37.37	303.40	33.43	33.52	303.31	-4.89
		768	863.45	8.19	-215.87	0.89	-208.58	-39.76	310.40	88.16	93.14	305.42	-32.87
542	2	752	344.57	-9.90	-180.63	-16.70	-173.83	-33.38	40.45	-65.75	15.16	-40.45	-45.24
		779	209.84	-9.13	-144.67	-14.90	-138.89	-27.38	-26.46	-59.96	-44.23	-42.18	-16.72
		795	842.81	5.16	-144.46	-0.76	-138.55	-29.15	297.19	33.48	33.68	296.99	-7.25
		768	827.44	5.58	-179.73	0.02	-174.17	-31.61	304.76	87.03	93.08	298.72	-35.77
542	3	752	339.56	-8.20	-164.66	-13.03	-159.83	-27.06	42.56	-67.46	13.51	-38.41	-48.50
		779	201.46	-7.78	-127.41	-11.52	-123.67	-20.81	-23.39	-61.91	-45.24	-40.05	-19.09
		795	835.84	3.59	-127.33	-0.46	-123.27	-22.68	298.47	33.46	33.80	298.13	-9.48
		768	825.31	3.87	-164.10	-1.63e-03	-160.23	-25.19	306.83	85.49	92.55	299.77	-38.90
542	4	752	292.60	-6.78	-150.68	-10.17	-147.28	-21.85	34.70	-55.79	17.06	-38.15	-35.85
		779	152.56	-6.82	-102.84	-8.82	-100.83	-13.73	-35.21	-44.58	-42.49	-37.31	-3.91
		795	851.79	1.74	-102.82	-0.83	-100.24	-16.20	312.68	41.27	41.58	312.37	9.14
		768	832.12	1.68	-150.38	-0.83	-147.87	-19.37	313.97	98.68	101.13	311.53	-22.80
542	5	752	325.91	-7.67	-184.92	-13.75	-178.85	-32.25	37.05	-58.73	17.35	-39.03	-38.72
		779	187.86	-7.02	-152.53	-12.15	-147.40	-26.84	-32.47	-48.78	-42.75	-38.51	-7.87
		795	881.26	5.68	-152.39	0.38	-147.09	-28.44	311.16	39.62	39.70	311.08	4.72
		768	850.95	6.13	-184.23	1.06	-179.16	-30.65	313.74	96.61	99.80	310.55	-26.12
542	6	752	322.44	-8.88	-219.13	-16.94	-211.07	-40.37	39.52	-48.60	18.54	-27.61	-37.53
		779	189.97	-7.75	-191.17	-15.02	-183.91	-35.77	-23.99	-45.37	-41.32	-28.05	-8.38
		795	904.21	8.64	-190.86	1.49	-183.71	-37.09	309.43	37.15	37.18	309.40	2.81
		768	870.97	9.53	-218.16	2.63	-211.26	-39.05	313.05	93.83	97.04	309.84	-26.34
542	7	752	315.40	-8.72	-207.91	-16.13	-200.51	-37.68	39.26	-48.73	18.35	-27.83	-37.45
		779	183.95	-7.74	-177.22	-14.26	-170.70	-32.60	-23.59	-45.46	-40.62	-28.44	-9.09
		795	877.04	7.78	-176.97	1.26	-170.45	-34.08	302.18	35.95	35.96	302.17	1.67
		768	847.99	8.53	-207.02	2.26	-200.75	-36.21	306.16	91.55	94.92	302.79	-26.70
542	8	752	258.66	-6.31	-125.95	-9.95	-122.31	-20.54	32.40	-51.63	9.43	-28.66	-37.45
		779	154.41	-6.02	-96.78	-8.80	-94.00	-15.63	-17.12	-47.85	-34.88	-30.09	-15.18
		795	637.69	2.58	-96.72	-0.46	-93.68	-17.10	227.58	24.83	25.16	227.25	-8.17
		768	631.29	2.77	-125.52	-0.13	-122.62	-19.07	234.31	63.86	69.48	228.69	-30.44
542	9	752	243.12	-7.11	-149.64	-12.92	-143.83	-28.20	29.25	-40.70	12.47	-23.92	-29.87
		779	147.15	-6.38	-125.64	-11.52	-120.50	-24.22	-18.03	-37.77	-30.70	-25.09	-9.47
		795	628.93	5.19	-125.43	0.05	-120.30	-25.38	217.16	24.85	24.88	217.13	-2.52
		768	612.79	5.66	-148.91	0.78	-144.02	-27.04	221.73	64.63	68.05	218.31	-22.93
542	10	752	242.31	-5.86	-120.58	-9.55	-116.90	-20.22	30.39	-46.99	10.94	-27.54	-33.57
		779	142.52	-5.50	-95.05	-8.44	-92.12	-15.94	-17.62	-42.58	-31.74	-28.46	-12.37
		795	601.96	3.02	-94.98	-0.11	-91.86	-17.22	214.39	24.90	25.04	214.25	-5.07
		768	591.43	3.26	-120.14	0.28	-117.16	-18.95	219.71	63.18	67.72	215.17	-26.27
542	11	752	233.06	-6.23	-150.84	-11.71	-145.36	-27.61	28.75	-36.55	13.74	-21.54	-27.47
		779	136.49	-5.48	-130.48	-10.38	-125.58	-24.26	-18.17	-33.18	-29.56	-21.79	-6.42
		795	640.16	5.82	-130.28	0.98	-125.43	-25.22	220.53	26.90	26.92	220.51	1.75
		768	616.94	6.41	-150.19	1.74	-145.51	-26.65	223.19	67.78	70.22	220.76	-19.30
543	1	768	667.35	5.41	-232.53	-0.95	-226.17	-38.38	214.41	26.68	38.04	203.05	-44.76
		795	665.37	6.16	-231.39	-0.21	-225.02	-38.39	216.59	22.45	42.69	196.34	-59.33
		780	597.21	-4.06	-231.75	-10.68	-225.13	-38.25	15.25	-164.69	-22.65	-126.79	-73.37
		753	539.04	-3.31	-232.71	-9.97	-226.05	-38.51	1.21	-148.59	-27.29	-120.09	-58.80
543	2	768	627.26	5.11	-188.87	-0.23	-183.53	-31.75	208.72	23.87	37.44	195.15	-48.21
		795	628.37	5.97	-186.84	0.61	-181.48	-31.71	211.74	19.46	42.82	188.39	-62.80
		780	611.39	-5.42	-187.25	-11.05	-181.62	-31.52	14.65	-179.91	-23.24	-142.01	-77.05
		753	553.02	-4.57	-189.10	-10.27	-183.39	-31.94	0.18	-164.05	-28.61	-135.25	-62.45
543	3	768	623.05	4.91	-160.74	1.38	-157.21	-23.94	211.98	22.18	37.35	196.82	-51.47
		795	623.17	5.88	-155.31	2.32	-151.75	-23.69	214.38	17.10	42.38	189.10	-65.94
		780	621.20	-6.34	-155.67	-10.08	-151.94	-23.31	15.23	-191.11	-24.66	-151.22	-81.48
		753	563.16	-5.38	-160.92	-9.28	-157.01	-24.32	1.31	-174.51	-29.70	-143.50	-67.01
543	4	768	613.20	5.74	-139.85	4.31	-138.42	-14.37	214.67	38.31	44.76	208.22	-33.11
		795	593.05	6.72	-108.90	5.36	-107.55	-12.43	215.04	34.52	49.28	200.28	-49.46
		780	550.18	-1.70	-109.15	-2.78	-108.07	-10.73	4.21	-180.15	-23.27	-152.67	-65.66
		753	508.49	-0.72	-139.78	-2.60	-137.90	-16.07	-9.77	-162.75	-27.79	-144.74	-49.31
543	5	768	642.60	4.88	-190.99	1.35	-187.46	-26.04	214.75	35.75	43.37	207.13	-36.13
		795	634.85	5.63	-176.51	2.08	-172.97	-25.16	217.18	31.99	47.94	201.23	-51.95
		780	554.20	-1.65	-176.69	-5.10	-173.24	-24.34	8.33	-163.92	-21.46	-134.13	-65.15
		753	506.17	-0.91	-191.06	-4.78	-187.19	-26.87	-6.11	-148.15	-26.04	-128.22	-49.33
543	6	768	670.22	5.05	-230.54	0.18	-225.67	-33.53	216.12	34.27	42.03	208.36	-36.76

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		795	666.86	5.65	-226.79	0.76	-221.90	-33.34	217.96	30.31	45.56	202.72	-51.26
		780	549.20	-1.74	-226.99	-6.71	-222.02	-33.09	11.46	-149.41	-19.75	-118.21	-63.61
		753	498.20	-1.15	-230.63	-6.24	-225.55	-33.78	-1.55	-134.29	-23.28	-112.57	-49.11
543	7	768	652.63	5.20	-216.67	0.85	-212.32	-30.76	212.20	33.03	41.19	204.05	-37.34
		795	646.50	5.89	-208.79	1.52	-204.42	-30.31	213.51	28.47	44.20	197.79	-51.61
		780	542.78	-1.95	-209.00	-6.34	-204.61	-29.83	11.66	-151.28	-20.29	-119.33	-64.69
		753	493.59	-1.27	-216.76	-5.90	-212.13	-31.23	-0.68	-135.69	-23.30	-113.07	-50.42
543	8	768	476.84	3.78	-122.28	1.05	-119.54	-18.36	161.87	15.32	27.35	149.83	-40.24
		795	476.90	4.54	-118.51	1.79	-115.76	-18.20	163.83	11.94	31.85	143.91	-51.26
		780	479.07	-5.18	-118.81	-8.08	-115.90	-17.93	11.98	-147.59	-19.19	-116.43	-63.26
		753	433.92	-4.42	-122.42	-7.44	-119.40	-18.63	0.82	-135.02	-23.69	-110.51	-52.23
543	9	768	471.88	3.77	-159.21	-0.34	-155.10	-25.54	153.24	20.81	28.63	145.42	-31.22
		795	470.35	4.31	-157.08	0.19	-152.96	-25.46	154.63	17.13	31.19	140.57	-41.66
		780	421.49	-2.64	-157.31	-6.90	-153.06	-25.29	10.29	-117.82	-15.88	-91.64	-51.66
		753	381.38	-2.11	-159.33	-6.43	-155.01	-25.70	0.92	-106.16	-18.44	-86.79	-41.22
543	10	768	446.90	3.51	-119.34	0.96	-116.79	-17.52	151.83	18.37	28.24	141.95	-34.94
		795	446.51	4.16	-114.83	1.59	-112.26	-17.29	153.34	14.22	31.02	136.54	-45.33
		780	434.78	-3.90	-115.06	-6.56	-112.40	-16.99	10.30	-132.52	-17.00	-105.21	-56.16
		753	394.71	-3.25	-119.45	-6.05	-116.65	-17.82	1.01	-120.59	-19.78	-99.80	-45.78
543	11	768	473.41	3.59	-158.12	0.30	-154.83	-22.84	154.18	25.03	30.84	148.37	-26.77
		795	471.05	4.03	-154.54	0.73	-151.23	-22.65	155.38	21.51	32.78	144.11	-37.17
		780	394.86	-1.34	-154.69	-4.69	-151.33	-22.43	8.21	-109.35	-14.27	-86.87	-46.23
		753	358.81	-0.90	-158.19	-4.36	-154.73	-23.07	-0.56	-98.26	-16.21	-82.61	-35.83
544	1	753	391.98	-6.81	-254.08	-13.45	-247.44	-39.97	22.82	-74.09	10.75	-62.02	-32.00
		780	327.42	-4.75	-275.08	-11.97	-267.86	-43.59	-37.96	-68.83	-39.01	-67.78	-5.59
		796	783.62	13.53	-274.72	7.17	-268.36	-42.34	240.62	32.45	32.49	240.59	-2.65
		769	743.46	15.66	-253.41	9.19	-246.94	-41.21	251.33	77.26	82.25	246.34	-29.05
544	2	753	402.90	-7.78	-210.15	-14.64	-203.30	-36.61	22.49	-88.49	10.41	-76.41	-34.57
		780	335.42	-5.67	-232.32	-13.12	-224.86	-40.42	-38.57	-82.84	-39.93	-81.47	-7.64
		796	739.06	12.91	-231.80	6.49	-225.38	-39.11	235.15	33.23	33.29	235.08	-3.72
		769	699.83	15.16	-209.37	8.57	-202.78	-37.92	245.94	77.85	83.64	240.15	-30.65
544	3	753	411.44	-7.24	-167.36	-12.51	-162.08	-28.57	22.41	-102.32	8.53	-88.44	-39.22
		780	338.65	-5.40	-190.45	-11.30	-184.56	-32.49	-38.88	-94.64	-41.18	-92.35	-11.08
		796	694.51	10.06	-190.03	5.08	-185.05	-31.17	229.33	34.30	34.47	229.16	-5.69
		769	659.26	12.03	-166.74	6.89	-161.59	-29.89	240.40	76.85	84.18	233.07	-33.83
544	4	753	352.76	-4.84	-125.12	-6.38	-123.58	-13.53	14.32	-94.36	9.26	-89.30	-22.90
		780	286.47	-4.32	-111.44	-5.54	-110.21	-11.38	-39.18	-94.95	-39.92	-94.21	6.36
		796	659.92	3.41	-111.40	2.14	-110.13	-12.01	236.13	37.86	38.42	235.56	10.59
		769	644.06	3.94	-124.97	2.63	-123.67	-12.91	242.72	85.35	87.60	240.48	-18.68
544	5	753	349.96	-4.67	-196.17	-8.07	-192.77	-25.29	17.89	-73.79	11.98	-67.88	-22.50
		780	282.64	-3.79	-190.35	-7.06	-187.09	-24.46	-37.62	-74.04	-38.28	-73.38	4.86
		796	740.75	6.72	-190.28	3.58	-187.14	-24.65	246.01	35.52	35.85	245.68	8.29
		769	714.98	7.60	-195.86	4.45	-192.71	-25.10	253.36	83.94	86.11	251.18	-19.07
544	6	753	349.27	-3.31	-237.07	-7.14	-233.24	-29.67	20.47	-62.26	13.60	-55.39	-22.82
		780	286.94	-2.11	-245.57	-6.17	-241.51	-31.18	-35.82	-61.21	-36.28	-60.75	3.39
		796	771.37	9.43	-245.50	5.69	-241.76	-30.63	243.00	34.12	34.34	242.78	6.83
		769	734.26	10.63	-236.74	6.88	-232.99	-30.21	250.39	81.97	84.23	248.13	-19.39
544	7	753	346.41	-3.87	-221.16	-7.50	-217.53	-27.84	20.52	-65.34	12.88	-57.70	-24.45
		780	281.32	-2.74	-226.14	-6.51	-222.37	-28.77	-36.31	-63.21	-36.39	-63.14	1.41
		796	743.91	8.69	-226.06	5.20	-222.57	-28.41	237.34	33.28	33.38	237.23	4.61
		769	712.11	9.83	-220.82	6.33	-217.32	-28.20	245.45	79.88	82.65	242.67	-21.25
544	8	753	318.16	-5.72	-127.53	-9.96	-123.29	-22.32	16.82	-79.93	5.59	-68.71	-30.98
		780	263.39	-4.26	-147.14	-9.02	-142.38	-25.65	-29.57	-73.71	-31.74	-71.54	-9.54
		796	528.02	7.93	-146.78	3.94	-142.78	-24.53	173.81	25.80	25.99	173.62	-5.34
		769	500.57	9.53	-127.03	5.39	-122.88	-23.44	182.48	57.31	63.33	176.46	-26.78
544	9	753	275.54	-4.52	-171.94	-8.73	-167.72	-26.23	16.45	-53.23	8.61	-45.39	-22.02
		780	227.58	-3.19	-183.97	-7.74	-179.42	-28.31	-27.28	-49.86	-27.66	-49.48	-2.92
		796	552.82	8.78	-183.76	4.75	-179.72	-27.59	172.50	23.86	23.87	172.50	-0.66
		769	525.65	10.13	-171.51	6.04	-167.42	-26.95	179.85	56.88	60.14	176.59	-19.75
544	10	753	286.18	-4.78	-123.73	-8.21	-120.30	-19.89	16.25	-68.94	7.38	-60.07	-26.03
		780	233.63	-3.58	-136.93	-7.37	-133.14	-22.15	-27.85	-64.14	-28.86	-63.13	-5.97
		796	503.21	6.84	-136.70	3.59	-133.44	-21.38	166.19	24.93	24.97	166.15	-2.35
		769	478.69	8.09	-123.34	4.76	-120.00	-20.66	173.68	56.75	61.21	169.21	-22.41
544	11	753	252.03	-2.55	-162.51	-5.23	-159.84	-20.50	15.22	-46.74	10.19	-41.71	-16.92
		780	205.50	-1.71	-167.60	-4.53	-164.78	-21.42	-25.93	-45.79	-26.15	-45.57	2.07
		796	546.04	6.52	-167.54	3.93	-164.95	-21.08	173.86	24.75	24.90	173.72	4.60
		769	520.53	7.36	-162.27	4.76	-159.67	-20.84	179.33	59.49	61.24	177.58	-14.38
545	1	769	563.37	1.66	-241.49	-3.25	-236.58	-34.21	173.46	27.87	38.66	162.68	-38.14
		796	611.86	1.20	-317.45	-3.64	-312.61	-38.97	175.69	20.33	38.51	157.51	-49.94
		781	602.13	-8.11	-317.75	-14.13	-311.73	-42.75	10.65	-148.47	-16.84	-120.98	-60.16
		754	512.94	-8.53	-241.51	-12.57	-237.46	-30.42	2.99	-135.49	-16.69	-115.81	-48.35
545	2	769	522.79	1.45	-205.76	-4.36	-199.96	-34.19	167.56	26.45	38.90	155.10	-40.03

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		796	575.89	0.68	-284.63	-4.80	-279.15	-39.15	171.28	18.91	39.59	150.60	-52.19
		781	613.81	-8.26	-285.10	-15.14	-278.22	-43.09	9.84	-159.54	-16.83	-132.87	-61.69
		754	522.38	-8.79	-205.65	-13.55	-200.88	-30.25	1.38	-147.27	-17.53	-128.36	-49.53
545	3	769	482.97	0.87	-161.44	-4.62	-155.96	-29.33	162.63	23.62	38.80	147.45	-43.36
		796	538.31	-0.03	-238.70	-5.03	-233.70	-34.19	167.90	15.85	40.56	143.20	-56.09
		781	633.29	-8.94	-239.26	-15.41	-232.79	-38.06	9.00	-177.46	-17.92	-150.54	-65.53
		754	541.00	-9.45	-161.26	-13.85	-156.87	-25.45	-0.55	-165.42	-19.68	-146.29	-52.80
545	4	769	450.16	3.02	-99.88	2.21	-99.07	-9.09	161.41	35.83	42.18	155.06	-27.51
		796	462.59	3.49	-115.52	2.62	-114.65	-10.12	162.91	29.17	44.33	147.74	-42.41
		781	559.67	-5.89	-115.62	-6.97	-114.54	-10.85	-0.83	-184.04	-20.49	-164.38	-56.70
		754	499.14	-5.42	-99.93	-6.16	-99.19	-8.36	-10.71	-168.99	-22.65	-157.05	-41.80
545	5	769	527.62	3.06	-176.60	1.15	-174.69	-18.43	173.29	35.73	41.67	167.35	-27.97
		796	541.20	3.39	-200.20	1.42	-198.22	-19.95	173.77	29.01	41.99	160.79	-41.36
		781	536.66	-5.40	-200.31	-7.71	-198.00	-21.08	3.28	-154.18	-18.11	-132.79	-53.95
		754	476.37	-5.07	-176.67	-6.83	-174.91	-17.30	-4.87	-139.79	-18.43	-126.23	-40.56
545	6	769	545.67	2.56	-211.06	0.53	-209.02	-20.75	171.82	34.81	40.96	165.67	-28.36
		796	570.14	2.71	-253.37	0.55	-251.21	-23.42	171.95	27.78	40.24	159.49	-40.52
		781	542.41	-6.26	-253.40	-8.92	-250.75	-25.50	5.03	-143.59	-16.35	-122.21	-52.16
		754	474.69	-6.10	-211.19	-7.81	-209.48	-18.67	-1.65	-130.01	-15.63	-116.02	-39.99
545	7	769	528.68	2.62	-195.73	0.62	-193.73	-19.83	168.87	32.88	40.05	161.70	-30.39
		796	552.12	2.82	-235.77	0.70	-233.65	-22.36	169.02	25.30	39.21	155.11	-42.49
		781	543.94	-6.54	-235.84	-9.15	-233.23	-24.32	5.68	-148.15	-17.12	-125.35	-54.66
		754	476.25	-6.34	-195.85	-8.04	-194.15	-17.87	-0.91	-134.12	-16.28	-118.76	-42.56
545	8	769	366.86	0.60	-124.24	-4.00	-119.64	-23.52	123.22	16.40	28.67	110.95	-34.06
		796	411.91	-0.24	-187.13	-4.37	-183.00	-27.48	127.78	10.96	30.70	108.05	-43.77
		781	489.59	-7.04	-187.61	-12.40	-182.26	-30.64	7.18	-136.39	-13.71	-115.51	-50.62
		754	416.61	-7.48	-124.06	-11.15	-120.38	-20.36	-0.78	-127.56	-15.74	-112.60	-40.90
545	9	769	395.91	1.31	-161.46	-1.70	-158.46	-21.91	124.04	21.55	28.81	116.78	-26.30
		796	426.50	1.10	-209.42	-1.90	-206.43	-24.92	125.23	15.59	28.11	112.71	-34.87
		781	424.07	-5.52	-209.60	-9.25	-205.88	-27.30	6.79	-108.10	-12.16	-89.15	-42.64
		754	363.98	-5.73	-161.50	-8.21	-159.01	-19.53	1.90	-98.42	-11.45	-85.08	-34.07
545	10	769	350.95	0.76	-116.89	-2.46	-113.67	-19.20	117.90	19.31	28.89	108.32	-29.20
		796	385.51	0.37	-165.63	-2.67	-162.59	-22.26	120.77	13.23	29.25	104.76	-38.28
		781	441.36	-6.05	-165.93	-9.96	-162.02	-24.70	5.92	-124.24	-12.76	-105.57	-45.63
		754	379.55	-6.32	-116.84	-8.92	-114.23	-16.77	-0.02	-115.10	-13.11	-102.01	-36.55
545	11	769	386.02	1.84	-144.58	0.40	-143.15	-14.43	123.13	25.41	30.09	118.44	-20.87
		796	403.27	1.96	-173.84	0.44	-172.31	-16.28	123.15	19.73	29.07	113.81	-29.64
		781	390.89	-4.48	-173.87	-6.35	-172.00	-17.72	3.71	-105.43	-11.89	-89.83	-38.20
		754	342.80	-4.35	-144.68	-5.57	-143.46	-13.00	-0.63	-95.43	-10.87	-85.19	-29.43
546	1	754	385.76	1.74	-255.17	-1.65	-251.78	-29.28	21.96	-69.70	15.75	-63.49	-23.04
		781	361.55	3.73	-331.96	-1.39	-326.83	-41.17	-31.05	-65.45	-31.07	-65.44	-0.78
		797	773.15	14.73	-331.90	10.64	-327.81	-37.41	220.45	31.68	31.86	220.27	5.83
		770	682.81	16.71	-254.88	12.63	-250.80	-33.05	224.07	76.82	78.68	222.21	-16.44
546	2	754	394.62	0.23	-233.47	-4.40	-228.84	-32.55	21.97	-77.91	16.45	-72.40	-22.81
		781	371.16	2.60	-315.00	-3.96	-308.43	-45.18	-31.51	-73.93	-31.51	-73.92	-0.47
		797	764.27	16.03	-314.71	10.82	-309.50	-41.17	221.71	32.36	32.61	221.46	6.81
		770	668.36	18.53	-233.20	13.10	-227.77	-36.56	224.66	78.90	80.57	222.98	-15.53
546	3	754	406.96	-0.84	-192.62	-6.02	-187.44	-31.09	21.08	-93.13	15.44	-87.50	-24.74
		781	380.63	1.62	-275.43	-5.53	-268.28	-43.93	-32.66	-87.88	-32.74	-87.81	-2.01
		797	738.26	15.66	-274.94	10.09	-269.37	-39.85	222.46	33.40	33.64	222.22	6.80
		770	639.94	18.49	-192.39	12.45	-186.35	-35.17	224.31	80.04	81.82	222.53	-15.93
546	4	754	356.94	-3.84	-102.07	-5.34	-100.57	-12.05	13.50	-101.63	11.44	-99.57	-15.25
		781	310.78	-2.84	-112.85	-4.60	-111.09	-13.80	-33.35	-103.17	-34.48	-102.04	8.80
		797	626.21	7.06	-112.79	5.59	-111.32	-13.20	221.24	34.30	35.48	220.06	14.78
		770	584.49	8.06	-101.82	6.58	-100.34	-12.65	223.15	80.80	81.40	222.54	-9.27
546	5	754	340.95	-1.78	-176.06	-3.53	-174.31	-17.40	16.54	-75.25	13.95	-72.67	-15.19
		781	296.27	-0.79	-194.24	-2.94	-192.09	-20.28	-30.63	-76.88	-31.86	-75.65	7.44
		797	686.73	8.13	-194.26	6.26	-192.39	-19.34	222.79	32.27	33.11	221.95	12.65
		770	638.85	9.11	-175.84	7.27	-174.00	-18.35	225.62	78.24	78.92	224.94	-9.99
546	6	754	345.75	1.32	-203.25	-0.04	-201.89	-16.63	18.14	-69.12	15.35	-66.33	-15.33
		781	310.08	2.20	-238.60	0.15	-236.55	-22.13	-28.93	-70.16	-29.93	-69.17	6.34
		797	693.53	8.24	-238.70	6.54	-237.01	-20.39	213.73	31.11	31.84	212.99	11.56
		770	634.28	9.13	-203.03	7.53	-201.43	-18.38	216.56	76.40	77.13	215.82	-10.10
546	7	754	347.77	0.42	-189.77	-1.08	-188.27	-16.83	18.21	-73.49	14.52	-69.79	-18.03
		781	310.13	1.42	-225.96	-0.82	-223.72	-22.46	-30.18	-72.91	-30.50	-72.59	3.68
		797	675.27	8.42	-226.04	6.59	-224.20	-20.66	209.98	30.91	31.36	209.54	8.91
		770	617.77	9.43	-189.55	7.67	-187.79	-18.62	213.54	75.18	76.38	212.34	-12.80
546	8	754	313.99	-0.57	-150.78	-4.91	-146.45	-25.14	15.85	-71.55	11.35	-67.06	-19.31
		781	296.45	1.41	-218.67	-4.52	-212.73	-35.66	-24.96	-67.16	-25.06	-67.06	-2.10
		797	569.52	12.64	-218.24	8.03	-213.63	-32.32	169.90	25.29	25.45	169.74	4.84
		770	490.68	15.00	-150.61	9.94	-145.56	-28.48	171.14	60.46	61.86	169.74	-12.37
546	9	754	272.44	0.89	-168.72	-1.23	-166.60	-18.86	15.63	-51.88	11.64	-47.90	-15.91

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		781	251.28	2.17	-216.66	-1.03	-213.45	-26.28	-22.31	-49.44	-22.31	-49.44	0.22
		797	537.98	9.53	-216.63	6.97	-214.07	-23.93	157.40	23.04	23.21	157.22	4.83
		770	478.62	10.80	-168.52	8.25	-165.98	-21.21	160.01	55.93	57.17	158.77	-11.29
546	10	754	284.18	-0.63	-133.88	-3.66	-130.85	-19.86	15.19	-64.95	11.47	-61.23	-16.85
		781	261.80	0.92	-185.18	-3.33	-180.93	-27.81	-23.23	-61.88	-23.23	-61.87	-0.47
		797	518.62	10.00	-184.94	6.66	-181.61	-25.28	158.52	23.99	24.20	158.30	5.37
		770	454.89	11.69	-133.71	8.15	-130.17	-22.39	160.14	57.71	58.91	158.94	-11.01
546	11	754	250.29	0.66	-139.88	-0.34	-138.88	-11.83	13.57	-51.62	11.42	-49.48	-11.62
		781	222.99	1.32	-164.79	-0.18	-163.29	-15.70	-21.10	-52.09	-21.68	-51.51	4.17
		797	493.77	5.93	-164.86	4.69	-163.63	-14.47	153.67	22.71	23.20	153.18	8.02
		770	451.71	6.59	-139.72	5.42	-138.55	-13.06	155.83	55.70	56.30	155.22	-7.77
547	1	770	540.84	-1.80	-235.14	-3.11	-233.83	-17.47	164.53	34.92	41.83	157.61	-29.12
		797	602.40	-2.93	-323.41	-4.53	-321.81	-22.59	166.29	25.68	37.21	154.76	-38.57
		783	531.23	2.58	-323.01	0.36	-320.78	-26.82	6.20	-121.60	-11.46	-103.94	-44.10
		756	452.93	1.69	-235.60	0.95	-234.86	-13.24	4.53	-112.46	-6.84	-101.09	-34.65
547	2	770	532.68	-2.90	-228.01	-5.18	-225.73	-22.55	164.27	35.97	42.64	157.60	-28.48
		797	600.36	-4.38	-324.50	-6.87	-322.01	-28.13	166.75	26.96	38.43	155.28	-38.37
		783	538.08	3.98	-324.18	0.68	-320.87	-32.77	5.52	-122.88	-11.28	-106.08	-43.30
		756	454.28	2.58	-228.27	1.18	-226.87	-17.91	3.36	-114.19	-7.07	-103.76	-33.41
547	3	770	518.25	-3.65	-199.15	-6.57	-196.23	-23.70	166.55	36.45	43.55	159.45	-29.55
		797	587.04	-5.44	-295.53	-8.42	-292.55	-29.27	169.70	27.20	39.63	157.28	-40.20
		783	538.21	5.62	-295.26	1.74	-291.39	-33.92	5.09	-129.39	-12.31	-112.00	-45.13
		756	452.28	3.88	-199.20	2.08	-197.40	-19.04	2.22	-120.44	-8.39	-109.83	-34.48
547	4	770	455.32	3.59	-96.75	3.38	-96.54	-4.58	164.02	39.45	43.76	159.71	-22.77
		797	465.26	3.97	-102.42	3.74	-102.19	-4.95	165.09	31.21	41.17	155.13	-35.13
		783	447.54	-2.91	-102.46	-3.18	-102.19	-5.19	-0.64	-145.25	-15.56	-130.33	-43.99
		756	411.55	-2.48	-96.75	-2.69	-96.55	-4.35	-4.71	-134.01	-12.97	-125.75	-31.63
547	5	770	499.97	3.46	-157.91	3.13	-157.58	-7.35	165.97	37.87	42.31	161.53	-23.43
		797	514.53	3.69	-175.36	3.29	-174.96	-8.41	166.17	29.52	38.60	157.09	-34.03
		783	452.21	-2.32	-175.31	-2.81	-174.81	-9.21	1.97	-129.26	-13.38	-113.91	-42.18
		756	413.63	-1.98	-158.00	-2.25	-157.72	-6.56	-0.52	-118.62	-9.68	-109.46	-31.58
547	6	770	490.75	1.97	-175.51	1.70	-175.24	-6.91	158.01	36.71	41.42	153.31	-23.42
		797	516.35	1.88	-211.30	1.50	-210.92	-9.02	158.10	28.06	37.18	148.99	-33.20
		783	468.08	-1.87	-211.10	-2.42	-210.55	-10.70	2.45	-126.48	-12.19	-111.84	-40.91
		756	420.66	-1.65	-175.76	-1.81	-175.61	-5.23	0.98	-116.46	-7.95	-107.53	-31.13
547	7	770	479.09	1.43	-165.08	1.06	-164.71	-7.81	156.18	34.95	40.86	150.27	-26.10
		797	508.28	1.25	-205.19	0.74	-204.69	-10.17	156.65	25.89	36.61	145.93	-35.87
		783	477.10	-1.51	-204.98	-2.23	-204.27	-12.06	3.35	-130.91	-12.74	-114.82	-43.60
		756	425.86	-1.42	-165.35	-1.64	-165.14	-5.92	1.71	-120.69	-8.49	-110.49	-33.83
547	8	770	399.56	-3.18	-157.89	-5.70	-155.37	-19.57	127.27	27.19	32.65	121.81	-22.73
		797	455.72	-4.73	-236.96	-7.27	-234.42	-24.14	129.96	20.56	30.10	120.42	-30.87
		783	414.87	4.95	-236.74	1.67	-233.46	-27.97	4.03	-97.41	-9.36	-84.02	-34.34
		756	345.68	3.46	-157.88	1.91	-156.33	-15.75	1.35	-90.80	-6.82	-82.63	-26.19
547	9	770	377.19	-0.77	-154.33	-1.54	-153.55	-10.90	117.41	25.84	30.71	112.55	-20.54
		797	415.97	-1.42	-209.32	-2.38	-208.36	-14.09	118.42	18.77	27.00	110.19	-27.43
		783	373.52	1.19	-209.07	-0.14	-207.73	-16.72	3.99	-89.93	-8.41	-77.53	-31.80
		756	322.30	0.71	-154.63	0.27	-154.19	-8.27	3.21	-83.08	-4.71	-75.17	-24.91
547	10	770	364.68	-1.89	-134.24	-3.46	-132.67	-14.35	118.53	26.69	31.66	113.57	-20.78
		797	407.49	-2.87	-193.78	-4.54	-192.11	-17.80	120.32	19.62	28.35	111.59	-28.33
		783	377.41	2.82	-193.60	0.62	-191.40	-20.67	3.38	-94.27	-8.89	-82.00	-32.37
		756	321.93	1.88	-134.35	0.90	-133.38	-11.49	1.94	-87.54	-5.57	-80.02	-24.81
547	11	770	349.37	1.34	-121.21	1.13	-121.00	-5.03	113.78	26.86	30.48	110.15	-17.37
		797	368.29	1.26	-147.05	0.97	-146.76	-6.55	113.86	20.11	26.99	106.98	-24.44
		783	338.43	-1.27	-146.90	-1.69	-146.49	-7.77	1.93	-92.67	-8.82	-81.92	-30.02
		756	304.34	-1.14	-121.39	-1.26	-121.27	-3.81	1.26	-85.33	-5.33	-78.75	-22.95
548	1	756	357.33	-1.76	-206.35	-11.81	-196.31	44.21	15.95	-75.13	15.44	-74.62	6.77
		783	469.49	4.35	-303.00	-13.91	-284.74	72.66	-18.23	-108.33	-25.21	-101.34	24.09
		782	542.23	-8.75	-303.53	-23.12	-289.16	63.47	147.72	39.70	39.72	147.70	-1.35
		755	539.12	-2.20	-206.92	-17.23	-191.89	53.40	177.99	76.80	80.37	174.42	-18.68
548	2	756	362.38	-1.54	-216.63	-10.14	-208.03	42.16	15.69	-74.05	14.90	-73.26	8.37
		783	478.80	4.48	-314.29	-12.21	-297.61	70.99	-18.47	-109.32	-26.46	-101.33	25.74
		782	566.02	-8.96	-315.07	-21.93	-302.10	61.67	153.68	39.39	39.40	153.68	-0.84
		755	562.41	-2.71	-216.73	-15.90	-203.54	51.47	184.92	77.57	80.76	181.74	-18.21
548	3	756	356.07	-0.56	-198.70	-7.64	-191.62	36.78	15.09	-76.20	14.25	-75.37	8.68
		783	474.32	5.21	-292.55	-9.51	-277.83	64.55	-19.32	-113.44	-27.78	-104.98	26.91
		782	575.09	-8.31	-293.44	-19.58	-282.17	55.56	162.79	41.06	41.07	162.78	-1.19
		755	577.31	-2.34	-198.61	-13.66	-187.28	45.77	195.74	79.76	83.11	192.39	-19.43
548	4	756	312.71	-0.10	-91.86	-5.88	-86.08	22.29	9.08	-89.91	7.25	-88.07	13.35
		783	384.70	-0.68	-86.01	-5.94	-80.75	20.53	-21.82	-132.69	-34.14	-120.37	34.84
		782	447.16	1.26	-85.91	-4.20	-80.45	21.13	164.82	41.43	41.53	164.73	3.42
		755	520.76	0.66	-91.79	-4.75	-86.38	21.70	199.82	80.12	82.92	197.02	-18.07
548	5	756	318.16	-0.68	-135.71	-9.33	-127.06	33.06	11.59	-80.02	10.37	-78.81	10.49

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		783	393.48	0.23	-153.34	-9.94	-143.17	38.19	-19.68	-118.21	-29.77	-108.12	29.88
		782	463.44	-0.82	-153.27	-10.16	-143.93	36.56	154.55	39.69	39.71	154.53	1.58
		755	516.80	0.19	-135.81	-9.32	-126.30	34.69	186.81	76.89	79.86	183.84	-17.81
548	6	756	326.67	-1.46	-145.13	-10.55	-136.04	34.98	12.65	-80.35	11.33	-79.03	11.01
		783	412.25	0.89	-184.97	-11.66	-172.43	46.63	-18.56	-116.84	-28.20	-107.20	29.23
		782	456.56	-3.15	-184.96	-13.90	-174.20	42.90	143.98	37.94	37.99	143.93	2.20
		755	493.22	-0.52	-145.47	-11.73	-134.27	38.71	174.75	74.88	77.52	172.11	-16.02
548	7	756	332.67	-2.03	-138.55	-9.83	-130.75	31.68	13.16	-84.11	12.21	-83.17	9.54
		783	418.53	0.56	-183.79	-11.12	-172.11	44.91	-19.07	-119.67	-27.45	-111.30	27.79
		782	447.91	-3.78	-183.84	-13.49	-174.12	40.67	140.75	38.94	38.95	140.74	0.80
		755	482.81	-0.96	-138.83	-11.05	-128.74	35.91	172.13	75.35	78.61	168.87	-17.45
548	8	756	271.96	-0.31	-159.08	-5.81	-153.58	29.03	11.18	-56.56	10.61	-55.99	6.22
		783	365.58	4.42	-235.89	-7.31	-224.16	51.78	-14.74	-84.74	-21.04	-78.44	20.03
		782	450.29	-6.81	-236.65	-15.74	-227.72	44.41	125.35	31.16	31.18	125.34	-1.28
		755	448.12	-1.91	-158.96	-10.86	-150.02	36.40	150.39	60.23	62.83	147.78	-15.09
548	9	756	254.19	-1.28	-134.86	-7.97	-128.17	29.14	11.52	-56.23	11.04	-55.75	5.65
		783	329.81	2.49	-194.96	-9.32	-183.16	46.82	-13.23	-80.82	-18.62	-75.43	18.31
		782	373.43	-5.40	-195.26	-14.77	-185.90	41.11	105.67	28.73	28.73	105.67	-0.43
		755	378.42	-1.36	-135.21	-11.15	-125.42	34.84	127.82	55.92	58.40	125.35	-13.10
548	10	756	253.49	-0.65	-130.57	-5.65	-125.56	25.01	11.05	-56.84	10.38	-56.17	6.71
		783	332.51	2.95	-189.14	-6.88	-179.32	42.31	-13.84	-83.67	-20.05	-77.45	19.88
		782	391.75	-5.18	-189.64	-12.80	-182.02	36.72	114.05	29.48	29.48	114.04	-0.34
		755	399.61	-1.45	-130.58	-9.17	-122.87	30.60	137.68	57.57	59.92	135.33	-13.51
548	11	756	237.13	-1.11	-100.85	-7.27	-94.69	24.01	9.70	-59.14	8.76	-58.20	8.00
		783	298.03	0.56	-129.39	-8.07	-120.76	32.36	-13.42	-85.55	-20.28	-78.69	21.16
		782	326.01	-2.29	-129.39	-9.65	-122.04	29.68	103.60	27.74	27.77	103.57	1.54
		755	353.00	-0.43	-101.07	-8.09	-93.41	26.68	126.01	54.86	56.81	124.06	-11.62
549	1	755	747.99	13.24	-202.76	-0.96	-188.56	53.53	271.46	135.18	142.59	264.06	-30.89
		782	766.12	6.24	-279.09	-7.49	-265.36	61.08	215.10	-3.22	7.78	204.10	-47.76
		829	572.17	3.78	-279.35	-13.98	-261.59	68.65	121.57	-51.15	-2.87	73.29	-77.51
		777	548.32	-3.09	-203.49	-14.26	-192.33	45.97	193.24	71.95	131.94	133.25	-60.64
549	2	755	775.25	14.34	-219.38	1.22	-206.26	53.80	278.53	136.13	143.32	271.34	-31.20
		782	797.64	7.28	-298.79	-5.67	-285.84	61.60	221.65	-3.67	7.14	210.84	-48.15
		829	594.55	4.20	-298.78	-12.66	-281.92	69.46	125.97	-50.73	-3.48	78.72	-78.21
		777	566.05	-2.89	-220.36	-13.07	-210.18	45.94	197.30	74.62	132.71	139.21	-61.25
549	3	755	806.47	16.38	-201.30	4.26	-189.18	49.92	296.46	141.82	149.62	288.66	-33.83
		782	821.47	8.88	-282.34	-3.09	-270.38	57.81	234.03	-4.57	6.45	223.01	-50.08
		829	614.59	5.03	-282.32	-10.97	-266.32	65.88	135.66	-52.85	-3.64	86.45	-82.79
		777	594.47	-2.53	-202.41	-11.71	-193.23	41.84	212.65	78.98	139.52	152.11	-66.54
549	4	755	755.35	1.29	-75.95	-4.17	-70.49	19.80	307.61	147.04	153.55	301.10	-31.67
		782	701.84	0.72	-82.76	-4.66	-77.38	20.49	239.45	-5.96	4.31	229.19	-49.12
		829	505.92	0.74	-82.81	-5.01	-77.06	21.16	136.08	-57.19	-6.52	85.41	-85.00
		777	545.57	0.22	-75.97	-4.94	-70.82	19.14	217.96	82.08	142.72	157.32	-67.55
549	5	755	731.31	3.68	-118.26	-5.35	-109.23	31.93	286.36	138.83	145.58	279.61	-30.83
		782	697.31	1.54	-141.01	-7.21	-132.26	34.22	223.65	-4.85	5.26	213.55	-46.98
		829	509.39	1.14	-141.20	-8.92	-131.15	36.47	127.04	-53.28	-4.80	78.56	-79.95
		777	534.16	-0.85	-118.39	-8.90	-110.35	29.68	204.03	76.11	135.52	144.61	-63.80
549	6	755	698.44	5.13	-131.15	-5.00	-121.02	35.74	268.99	133.68	140.11	262.56	-28.79
		782	677.14	1.93	-167.32	-7.80	-157.59	39.40	209.70	-4.33	5.28	200.09	-44.32
		829	495.26	1.54	-167.56	-10.18	-155.84	42.95	117.33	-51.19	-4.37	70.52	-75.49
		777	510.01	-1.46	-131.31	-10.00	-122.77	32.19	191.69	71.75	130.45	132.98	-59.95
549	7	755	692.07	5.80	-128.24	-3.33	-119.11	33.77	267.01	134.20	141.45	259.76	-30.17
		782	673.61	2.30	-169.35	-6.52	-160.52	37.91	207.81	-4.28	6.17	197.35	-45.91
		829	495.66	1.72	-169.51	-9.25	-158.54	41.93	116.65	-52.92	-3.62	67.35	-77.00
		777	507.88	-1.66	-128.50	-9.06	-121.09	29.75	191.98	69.43	131.66	129.75	-61.27
549	8	755	622.59	13.51	-162.19	3.83	-152.51	40.09	226.85	107.31	113.34	220.81	-26.17
		782	638.07	7.38	-228.03	-2.19	-218.46	46.48	179.49	-3.63	4.82	171.04	-38.43
		829	479.18	4.14	-227.99	-8.70	-215.16	53.05	104.53	-40.06	-2.80	67.27	-63.24
		777	459.77	-2.04	-163.12	-9.35	-155.81	33.52	162.68	60.08	105.72	117.04	-50.98
549	9	755	530.59	8.24	-131.20	-0.96	-122.00	34.62	196.03	98.46	103.70	190.79	-22.00
		782	536.49	3.83	-179.82	-5.07	-170.92	39.44	154.56	-2.35	5.46	146.75	-34.12
		829	398.54	2.38	-179.98	-9.08	-168.52	44.25	87.12	-37.25	-2.15	52.02	-55.98
		777	388.59	-1.94	-131.65	-9.20	-124.39	29.81	139.93	52.22	96.09	96.05	-43.85
549	10	755	562.98	9.97	-130.38	1.94	-122.34	32.61	209.91	102.15	107.61	204.45	-23.63
		782	567.24	5.28	-181.61	-2.62	-173.70	37.62	165.08	-3.10	4.72	157.25	-35.41
		829	421.90	3.07	-181.62	-7.40	-171.15	42.71	94.92	-38.17	-2.58	59.33	-58.91
		777	413.95	-1.64	-131.04	-7.79	-124.89	27.52	150.65	56.18	100.31	106.53	-47.13
549	11	755	503.21	3.73	-91.42	-3.21	-84.48	24.74	194.65	97.63	102.33	189.95	-20.83
		782	487.06	1.43	-117.71	-5.24	-111.04	27.39	151.56	-2.96	4.07	144.52	-32.21
		829	356.08	1.13	-117.87	-6.97	-109.77	29.97	84.76	-37.27	-2.99	50.48	-54.85
		777	367.58	-1.04	-91.54	-6.84	-85.75	22.16	139.06	52.11	95.27	95.90	-43.47
550	1	777	222.20	-3.91	-187.65	-4.44	-187.12	9.86	50.82	16.30	26.81	40.31	-15.89

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		829	337.10	-4.07	-269.03	-4.44	-268.65	9.91	82.93	4.30	36.39	50.84	-38.65
		827	355.83	0.27	-269.02	-0.10	-268.65	9.91	29.22	-62.77	13.22	-46.76	-34.88
		758	285.96	0.42	-187.64	-0.10	-187.12	9.86	5.96	-59.61	3.63	-57.29	-12.12
550	2	777	242.44	-4.34	-206.29	-4.58	-206.05	6.89	53.36	18.31	26.48	45.20	-14.81
		829	357.98	-4.41	-294.76	-4.58	-294.59	6.94	85.42	7.00	36.68	55.73	-38.03
		827	362.70	0.81	-294.75	0.64	-294.59	6.94	29.41	-59.19	13.15	-42.93	-34.29
		758	287.43	0.87	-206.28	0.64	-206.05	6.89	5.04	-55.56	2.95	-53.46	-11.07
550	3	777	248.32	-3.90	-189.44	-4.20	-189.15	7.40	59.26	19.39	27.37	51.27	-15.96
		829	367.77	-4.00	-278.48	-4.20	-278.27	7.45	91.88	8.49	37.93	62.44	-39.85
		827	352.11	2.23	-278.47	2.03	-278.27	7.45	31.29	-58.79	13.48	-40.99	-35.87
		758	273.90	2.32	-189.43	2.03	-189.15	7.40	5.42	-54.65	2.93	-52.15	-11.98
550	4	777	181.56	0.51	-78.58	0.18	-78.25	5.11	57.58	17.47	24.18	50.88	-14.96
		829	262.23	0.54	-71.89	0.18	-71.53	5.11	91.00	8.33	39.26	60.07	-40.01
		827	258.86	0.64	-71.89	0.28	-71.53	5.11	30.72	-66.30	13.54	-49.12	-37.04
		758	211.61	0.61	-78.58	0.28	-78.25	5.11	0.90	-60.74	-1.53	-58.31	-12.00
550	5	777	190.56	-0.60	-115.51	-1.11	-114.99	7.68	53.25	16.75	24.91	45.09	-15.21
		829	273.39	-0.65	-127.13	-1.11	-126.66	7.68	85.30	6.21	37.11	54.41	-38.59
		827	277.74	0.09	-127.12	-0.38	-126.66	7.68	29.40	-63.89	13.10	-47.58	-35.43
		758	234.19	0.13	-115.51	-0.38	-114.99	7.68	3.31	-59.31	0.89	-56.90	-12.05
550	6	777	178.21	-1.57	-124.67	-2.08	-124.16	7.91	47.42	15.43	25.03	37.83	-14.66
		829	268.21	-1.67	-154.53	-2.08	-154.12	7.93	78.95	3.96	35.82	47.10	-37.07
		827	295.09	-0.37	-154.53	-0.78	-154.12	7.93	27.54	-65.13	12.83	-50.42	-33.86
		758	248.34	-0.28	-124.67	-0.78	-124.16	7.91	4.10	-61.75	2.04	-59.69	-11.45
550	7	777	174.13	-2.16	-121.47	-2.48	-121.15	6.15	47.71	12.87	25.35	35.23	-16.70
		829	272.06	-2.24	-160.57	-2.48	-160.33	6.17	79.82	1.04	36.03	44.84	-39.14
		827	310.21	-0.37	-160.56	-0.61	-160.33	6.17	28.69	-68.64	12.99	-52.94	-35.80
		758	256.37	-0.30	-121.47	-0.61	-121.15	6.15	4.96	-65.19	2.31	-62.55	-13.35
550	8	777	197.68	-3.17	-152.47	-3.40	-152.23	5.87	46.11	14.65	20.37	40.40	-12.13
		829	290.67	-3.24	-225.38	-3.40	-225.22	5.91	70.82	6.93	28.72	49.02	-30.29
		827	271.81	1.91	-225.37	1.76	-225.22	5.91	23.98	-43.43	10.15	-29.60	-27.23
		758	209.41	1.98	-152.46	1.76	-152.23	5.87	3.75	-40.18	1.79	-38.22	-9.07
550	9	777	150.21	-2.48	-121.94	-2.82	-121.60	6.37	36.26	11.72	19.73	28.25	-11.50
		829	230.04	-2.58	-172.94	-2.82	-172.70	6.40	59.43	2.70	26.44	35.69	-27.99
		827	248.32	0.12	-172.94	-0.12	-172.70	6.40	21.05	-46.58	9.64	-35.17	-25.32
		758	201.48	0.21	-121.93	-0.12	-121.60	6.37	4.59	-44.27	2.93	-42.61	-8.84
550	10	777	164.39	-2.48	-122.93	-2.69	-122.73	5.00	40.77	13.61	20.05	34.34	-11.54
		829	246.59	-2.55	-178.19	-2.69	-178.05	5.03	64.32	5.11	27.30	42.13	-28.66
		827	246.37	1.20	-178.19	1.06	-178.05	5.03	22.16	-44.33	9.79	-31.96	-25.87
		758	194.80	1.26	-122.93	1.06	-122.73	5.00	4.28	-41.50	2.54	-39.76	-8.76
550	11	777	126.06	-1.19	-86.95	-1.52	-86.63	5.28	34.37	11.25	18.75	26.87	-10.82
		829	192.68	-1.26	-109.33	-1.52	-109.07	5.30	57.24	2.50	26.13	33.61	-27.11
		827	214.83	-0.25	-109.33	-0.50	-109.07	5.30	20.12	-47.90	9.43	-37.20	-24.76
		758	180.60	-0.18	-86.95	-0.50	-86.63	5.28	3.56	-45.45	2.05	-43.94	-8.47
551	1	758	314.50	1.12	-189.33	0.63	-188.84	9.65	-16.33	-80.30	-19.00	-77.62	-12.81
		827	391.14	1.00	-255.15	0.63	-254.79	9.69	40.49	-65.18	32.19	-56.88	-28.42
		825	472.35	2.26	-255.15	1.89	-254.79	9.69	23.39	-103.42	19.24	-99.27	-22.56
		776	410.95	2.38	-189.33	1.89	-188.84	9.65	-31.41	-120.55	-31.96	-120.00	-6.96
551	2	758	317.56	1.30	-210.74	1.07	-210.51	7.09	-17.61	-76.30	-20.06	-73.84	-11.75
		827	399.96	1.25	-283.28	1.07	-283.10	7.14	40.70	-61.31	32.48	-53.09	-27.76
		825	482.21	2.63	-283.28	2.45	-283.10	7.14	23.32	-99.91	19.27	-95.86	-21.96
		776	415.14	2.68	-210.74	2.45	-210.51	7.09	-32.85	-117.04	-33.27	-116.62	-5.95
551	3	758	306.86	2.97	-192.68	2.58	-192.30	8.71	-18.61	-77.38	-21.45	-74.54	-12.60
		827	391.37	2.86	-266.28	2.58	-265.99	8.75	42.72	-61.12	33.82	-52.22	-29.07
		825	477.09	3.90	-266.27	3.62	-265.99	8.75	24.35	-101.63	20.10	-97.38	-22.77
		776	409.87	4.01	-192.68	3.62	-192.30	8.71	-34.71	-120.17	-35.17	-119.70	-6.30
551	4	758	250.52	1.02	-83.08	0.60	-82.66	5.98	-23.89	-84.42	-26.74	-81.57	-12.82
		827	291.30	1.16	-62.47	0.60	-61.91	5.97	43.12	-68.65	34.62	-60.16	-29.62
		825	375.02	4.36	-62.45	3.83	-61.91	5.97	24.78	-112.02	20.44	-107.68	-23.98
		776	359.13	4.24	-83.07	3.83	-82.66	5.98	-40.34	-129.68	-40.92	-129.10	-7.17
551	5	758	268.13	0.70	-117.99	0.17	-117.46	7.90	-20.04	-81.59	-22.80	-78.83	-12.74
		827	311.42	0.71	-115.55	0.17	-115.01	7.90	41.12	-66.45	32.88	-58.20	-28.62
		825	392.24	3.49	-115.54	2.96	-115.01	7.90	23.75	-106.71	19.55	-102.51	-23.02
		776	369.45	3.48	-117.98	2.96	-117.46	7.90	-35.54	-123.72	-36.12	-123.14	-7.14
551	6	758	279.43	0.22	-127.32	-0.24	-126.86	7.65	-18.23	-82.69	-20.59	-80.34	-12.10
		827	328.86	0.17	-142.79	-0.24	-142.37	7.66	39.31	-67.90	31.78	-60.37	-27.40
		825	407.75	2.70	-142.78	2.30	-142.37	7.66	22.82	-106.41	19.00	-102.59	-21.91
		776	376.00	2.75	-127.31	2.30	-126.86	7.65	-32.89	-123.04	-33.37	-122.55	-6.60
551	7	758	287.60	0.03	-125.30	-0.25	-125.02	5.86	-17.31	-86.07	-20.29	-83.08	-14.02
		827	343.65	-0.02	-150.62	-0.25	-150.39	5.88	40.29	-71.07	31.95	-62.72	-29.32
		825	421.79	2.47	-150.62	2.25	-150.39	5.88	23.51	-109.38	19.16	-105.02	-23.66
		776	383.10	2.52	-125.29	2.25	-125.02	5.86	-32.33	-126.12	-33.08	-125.37	-8.36
551	8	758	234.76	2.51	-154.77	2.20	-154.46	6.98	-14.57	-57.58	-16.79	-55.36	-9.52

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		827	302.00	2.43	-215.80	2.20	-215.57	7.01	32.50	-45.13	25.62	-38.26	-22.06
		825	367.43	3.07	-215.79	2.85	-215.57	7.01	18.44	-75.88	15.18	-72.61	-17.23
		776	313.20	3.15	-154.77	2.85	-154.46	6.98	-26.89	-90.07	-27.24	-89.72	-4.70
551	9	758	222.33	0.64	-123.61	0.33	-123.30	6.23	-11.57	-59.24	-13.48	-57.33	-9.35
		827	273.70	0.57	-163.70	0.33	-163.46	6.25	29.35	-48.34	23.41	-42.41	-20.63
		825	332.16	1.69	-163.69	1.46	-163.46	6.25	17.02	-76.16	14.04	-73.17	-16.42
		776	292.23	1.77	-123.61	1.46	-123.30	6.23	-22.46	-88.49	-22.86	-88.09	-5.14
551	10	758	218.09	1.67	-125.48	1.41	-125.22	5.70	-12.85	-57.61	-14.84	-55.62	-9.23
		827	273.88	1.60	-169.87	1.41	-169.68	5.73	30.58	-46.08	24.32	-39.82	-20.99
		825	334.80	2.60	-169.87	2.41	-169.68	5.73	17.56	-75.16	14.51	-72.12	-16.53
		776	291.62	2.67	-125.47	2.41	-125.22	5.70	-24.29	-88.28	-24.65	-87.92	-4.77
551	11	758	202.86	0.14	-89.16	-0.15	-88.87	5.12	-12.63	-60.57	-14.36	-58.84	-8.95
		827	239.25	0.11	-101.27	-0.15	-101.01	5.12	28.70	-49.86	23.19	-44.35	-20.07
		825	296.33	1.94	-101.26	1.68	-101.01	5.12	16.71	-77.82	13.90	-75.01	-16.06
		776	272.81	1.97	-89.16	1.68	-88.87	5.12	-23.28	-89.87	-23.65	-89.50	-4.94
552	1	776	416.97	3.93	-184.61	3.14	-183.81	12.24	-31.28	-126.54	-35.78	-122.04	-20.20
		825	494.22	3.74	-239.72	3.14	-239.12	12.11	21.89	-113.93	21.18	-113.22	-9.75
		826	414.98	3.18	-239.72	2.57	-239.12	12.11	33.66	-76.65	32.98	-75.97	-8.64
		757	330.47	3.37	-184.61	2.57	-183.81	12.24	-18.48	-90.28	-23.98	-84.79	-19.09
552	2	776	421.82	3.93	-208.42	3.41	-207.91	10.41	-32.69	-122.82	-37.10	-118.41	-19.44
		825	505.83	3.80	-269.99	3.41	-269.60	10.27	21.86	-110.55	21.26	-109.94	-8.93
		826	425.46	4.75	-269.99	4.36	-269.60	10.27	33.81	-72.55	33.19	-71.93	-8.10
		757	333.97	4.87	-208.42	4.36	-207.91	10.41	-19.48	-86.09	-25.17	-80.40	-18.61
552	3	776	417.85	5.85	-187.54	4.91	-186.60	13.45	-34.49	-127.45	-39.31	-122.63	-20.61
		825	502.74	5.60	-250.85	4.91	-250.16	13.31	22.66	-113.60	22.06	-113.00	-9.04
		826	421.19	6.21	-250.85	5.52	-250.16	13.31	35.41	-74.50	34.85	-73.95	-7.77
		757	327.52	6.46	-187.54	5.52	-186.60	13.45	-20.58	-89.52	-26.51	-83.58	-19.34
552	4	776	372.42	5.59	-78.23	4.71	-77.34	8.55	-39.91	-137.75	-45.11	-132.55	-21.95
		825	401.62	5.98	-53.73	4.71	-52.46	8.61	22.96	-124.42	22.35	-123.81	-9.46
		826	314.92	-1.24	-53.91	-2.69	-52.46	8.61	36.74	-83.31	36.05	-82.62	-9.08
		757	277.96	-1.72	-78.31	-2.69	-77.34	8.55	-24.45	-98.32	-31.41	-91.36	-21.58
552	5	776	379.27	4.87	-112.56	4.02	-111.71	9.95	-35.26	-130.84	-40.09	-126.00	-20.95
		825	416.40	4.94	-104.05	4.02	-103.13	9.97	22.09	-118.10	21.44	-117.45	-9.55
		826	333.26	-1.43	-104.11	-2.41	-103.13	9.97	34.79	-79.22	34.09	-78.53	-8.89
		757	288.92	-1.51	-112.61	-2.41	-111.71	9.95	-21.19	-93.33	-27.44	-87.08	-20.28
552	6	776	383.72	3.96	-123.26	3.27	-122.57	9.36	-32.77	-128.88	-37.05	-124.60	-19.83
		825	430.19	3.92	-131.12	3.27	-130.47	9.34	21.42	-116.96	20.82	-116.36	-9.09
		826	349.38	-0.81	-131.14	-1.48	-130.47	9.34	33.49	-79.29	32.87	-78.66	-8.36
		757	295.99	-0.76	-123.29	-1.48	-122.57	9.36	-19.58	-92.32	-25.00	-86.90	-19.10
552	7	776	392.63	3.50	-122.61	3.02	-122.13	7.78	-31.80	-132.16	-36.70	-127.26	-21.63
		825	443.66	3.44	-140.87	3.02	-140.45	7.74	21.81	-119.44	20.97	-118.61	-10.84
		826	363.14	0.47	-140.87	0.04	-140.45	7.74	33.92	-81.62	33.07	-80.77	-9.87
		757	305.12	0.54	-122.62	0.04	-122.13	7.78	-18.58	-95.44	-24.60	-89.41	-20.66
552	8	776	319.25	4.64	-150.58	3.89	-149.82	10.83	-26.69	-95.81	-30.41	-92.09	-15.60
		825	387.18	4.44	-203.43	3.89	-202.88	10.71	17.12	-85.12	16.66	-84.67	-6.77
		826	325.37	5.25	-203.43	4.70	-202.88	10.71	26.82	-55.43	26.41	-55.02	-5.78
		757	250.66	5.46	-150.57	4.70	-149.82	10.83	-16.06	-67.04	-20.67	-62.43	-14.61
552	9	776	297.00	2.78	-120.60	2.26	-120.08	8.00	-22.35	-92.73	-25.60	-89.49	-14.75
		825	348.03	2.67	-153.63	2.26	-153.23	7.93	15.95	-83.67	15.44	-83.16	-7.13
		826	290.46	1.84	-153.64	1.43	-153.23	7.93	24.52	-56.59	24.03	-56.09	-6.35
		757	234.18	1.96	-120.61	1.43	-120.08	8.00	-13.06	-66.37	-17.01	-62.41	-13.96
552	10	776	297.49	3.85	-122.24	3.25	-121.64	8.68	-24.14	-93.23	-27.56	-89.81	-14.97
		825	352.75	3.70	-159.82	3.25	-159.36	8.59	16.38	-83.49	15.92	-83.04	-6.74
		826	293.90	3.53	-159.82	3.07	-159.36	8.59	25.49	-55.39	25.06	-54.97	-5.86
		757	232.55	3.67	-122.24	3.07	-121.64	8.68	-14.23	-65.93	-18.42	-61.75	-14.10
552	11	776	278.55	2.80	-86.52	2.34	-86.06	6.40	-23.18	-94.03	-26.30	-90.91	-14.54
		825	312.48	2.76	-93.30	2.34	-92.87	6.39	15.69	-85.36	15.24	-84.90	-6.77
		826	254.06	-0.37	-93.31	-0.81	-92.87	6.39	24.43	-58.05	23.96	-57.59	-6.19
		757	215.07	-0.34	-86.54	-0.81	-86.06	6.40	-13.67	-67.50	-17.57	-63.59	-13.97
553	1	757	270.27	-6.08	-141.26	-14.05	-133.28	31.85	27.12	-52.38	26.96	-52.21	3.61
		826	423.17	0.24	-239.03	-16.27	-222.52	60.65	-22.25	-109.07	-31.38	-99.94	26.63
		828	528.07	-11.09	-239.11	-23.30	-226.90	51.33	156.73	34.66	34.70	156.69	-2.16
		759	573.26	-3.86	-142.46	-17.41	-128.91	41.16	209.85	87.61	93.04	204.42	-25.18
553	2	757	273.47	-5.71	-166.93	-14.11	-158.54	35.82	26.57	-47.48	26.45	-47.35	3.04
		826	435.52	1.46	-270.82	-15.92	-253.43	66.57	-22.70	-106.05	-32.25	-96.51	26.55
		828	567.60	-13.04	-271.23	-26.09	-258.18	56.56	163.86	34.71	34.79	163.78	-3.15
		759	611.05	-5.14	-167.92	-19.27	-153.79	45.83	218.62	87.81	93.49	212.94	-26.66
553	3	757	261.42	-5.43	-133.77	-13.88	-125.32	31.83	27.43	-50.66	27.27	-50.49	3.62
		826	434.35	3.23	-251.68	-15.63	-232.82	66.73	-23.42	-110.41	-33.93	-99.91	28.34
		828	571.40	-14.94	-251.95	-28.65	-238.24	55.33	171.44	36.22	36.24	171.42	-1.47
		759	606.96	-4.44	-136.08	-20.62	-119.89	43.23	226.16	92.10	97.43	220.84	-26.19
553	4	757	220.10	0.36	-41.79	-6.07	-35.36	15.16	25.69	-58.25	25.59	-58.15	2.84

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		826	331.83	-0.45	-56.81	-8.05	-49.21	19.25	-26.03	-121.25	-36.71	-110.57	30.04
		828	465.33	4.95	-55.64	-1.07	-49.62	18.13	177.83	38.30	38.32	177.81	-1.80
		759	574.72	4.84	-41.62	-1.82	-34.96	16.28	236.42	94.43	100.63	230.23	-29.00
553	5	757	232.36	-1.45	-76.04	-8.63	-68.87	22.00	25.90	-54.48	25.79	-54.36	3.04
		826	346.17	-1.36	-104.48	-10.98	-94.86	29.99	-23.89	-114.12	-33.52	-104.48	27.87
		828	465.18	3.10	-103.55	-4.61	-95.85	27.61	165.39	36.08	36.13	165.34	-2.46
		759	560.92	3.67	-76.18	-4.63	-67.88	24.37	221.37	89.53	95.44	215.46	-27.29
553	6	757	240.31	-3.07	-88.77	-9.49	-82.35	22.56	26.17	-53.97	25.97	-53.77	4.02
		826	359.86	-1.69	-131.76	-11.85	-121.60	34.91	-22.71	-112.15	-32.07	-102.79	27.38
		828	458.92	-0.26	-131.14	-8.11	-123.29	31.08	155.73	34.39	34.43	155.69	-2.24
		759	542.37	1.54	-89.13	-6.93	-80.66	26.39	210.27	86.91	92.47	204.71	-25.59
553	7	757	248.83	-3.89	-88.79	-9.09	-83.58	20.37	27.28	-56.43	27.16	-56.31	3.20
		826	371.30	-1.10	-143.87	-11.09	-133.87	36.43	-22.99	-113.50	-31.49	-105.00	26.40
		828	461.87	-3.96	-143.63	-11.38	-136.21	31.32	154.01	35.02	35.10	153.94	-2.99
		759	537.97	-0.76	-89.30	-8.82	-81.24	25.47	208.60	87.77	93.74	202.63	-26.19
553	8	757	199.36	-4.34	-107.73	-11.13	-100.93	25.62	20.31	-37.73	20.20	-37.62	2.57
		826	335.88	2.82	-203.80	-12.46	-188.52	54.08	-17.88	-82.99	-25.92	-74.94	21.43
		828	444.94	-12.46	-204.06	-23.57	-192.96	44.77	131.39	27.41	27.42	131.38	-1.09
		759	467.26	-3.77	-109.65	-16.92	-96.49	34.93	172.72	69.53	73.55	168.70	-19.95
553	9	757	191.64	-3.95	-91.09	-9.16	-85.88	20.66	20.15	-38.64	20.02	-38.51	2.77
		826	296.30	-0.02	-153.79	-10.70	-143.11	39.10	-16.10	-79.96	-22.71	-73.36	19.45
		828	368.84	-6.72	-153.79	-14.61	-145.89	33.15	112.98	25.27	25.29	112.95	-1.57
		759	407.52	-2.21	-91.85	-10.96	-83.10	26.61	151.77	64.04	68.02	147.79	-18.25
553	10	757	186.74	-3.58	-86.94	-9.06	-81.46	20.65	20.32	-37.69	20.19	-37.56	2.78
		826	302.50	1.65	-160.82	-10.34	-148.83	42.48	-16.76	-80.70	-24.12	-73.34	20.40
		828	392.92	-8.86	-160.93	-17.59	-152.20	35.37	121.15	26.13	26.15	121.13	-1.19
		759	426.24	-2.54	-88.29	-12.74	-78.09	27.76	160.83	66.55	70.46	156.91	-18.81
553	11	757	175.05	-2.28	-61.93	-6.62	-57.59	15.50	19.62	-39.53	19.47	-39.38	3.00
		826	261.13	-1.09	-94.20	-8.24	-87.04	24.80	-16.35	-81.67	-23.09	-74.94	19.87
		828	330.47	-0.70	-93.81	-6.18	-88.33	21.90	112.42	25.11	25.14	112.39	-1.61
		759	390.39	0.80	-62.23	-5.14	-56.30	18.40	152.00	63.65	67.70	147.95	-18.48
554	1	759	542.39	11.52	-143.88	-2.12	-130.23	43.99	196.44	89.08	95.39	190.13	-25.25
		828	682.26	7.21	-199.62	-5.57	-186.83	49.81	218.25	27.01	50.31	194.95	-62.56
		798	327.97	6.37	-200.29	-9.61	-184.32	55.20	8.65	-100.43	-20.77	-71.01	-48.41
		771	324.48	2.60	-143.76	-8.41	-132.75	38.60	25.53	-77.05	24.31	-75.83	-11.10
554	2	759	577.37	12.25	-170.08	-2.58	-155.25	49.84	203.82	88.85	95.61	197.05	-27.05
		828	723.12	7.94	-232.23	-6.12	-218.18	56.37	225.39	26.69	50.30	201.78	-64.29
		798	338.46	8.30	-232.78	-9.06	-215.42	62.31	11.13	-99.79	-20.96	-67.71	-50.30
		771	332.72	4.44	-169.87	-7.42	-158.01	43.90	26.09	-74.16	24.35	-72.43	-13.06
554	3	759	565.00	16.03	-130.47	-1.07	-113.37	47.04	209.76	93.92	100.52	203.15	-26.86
		828	725.26	9.96	-202.75	-5.21	-187.58	54.75	233.64	28.37	51.86	210.14	-65.35
		798	340.12	11.00	-203.86	-8.52	-184.34	61.75	5.29	-106.46	-22.87	-78.29	-48.52
		771	341.92	6.47	-129.64	-6.56	-116.61	40.04	26.68	-86.18	25.79	-85.28	-10.03
554	4	759	527.62	13.45	-30.48	3.67	-20.71	18.27	220.32	96.82	104.07	213.06	-29.05
		828	638.87	10.75	-31.22	0.88	-21.35	17.80	244.02	28.62	54.17	218.47	-69.65
		798	334.06	1.51	-35.86	-13.45	-20.90	18.31	6.65	-118.08	-24.81	-86.62	-54.17
		771	294.66	-0.77	-36.62	-16.23	-21.16	17.76	26.64	-93.58	25.09	-92.02	-13.57
554	5	759	522.77	11.67	-68.48	1.89	-58.70	26.23	207.81	91.57	98.59	200.79	-27.69
		828	630.10	8.41	-73.87	-1.08	-64.37	26.29	229.28	26.98	51.34	204.92	-65.83
		798	308.29	-2.90	-75.94	-15.13	-63.71	27.26	9.42	-108.36	-22.23	-76.71	-52.21
		771	288.85	-5.77	-71.26	-17.67	-59.36	25.25	26.87	-82.68	25.03	-80.84	-14.07
554	6	759	508.74	10.22	-87.22	0.97	-77.97	28.57	196.88	88.28	95.03	190.13	-26.22
		828	618.67	6.90	-102.62	-1.93	-93.79	29.82	217.70	26.02	49.52	194.20	-62.87
		798	300.29	-2.05	-103.82	-13.08	-92.79	31.64	9.35	-102.67	-20.70	-72.62	-49.63
		771	290.94	-5.03	-88.65	-14.71	-78.97	26.75	26.45	-78.33	24.81	-76.69	-12.98
554	7	759	505.95	9.76	-90.26	0.87	-81.38	28.45	195.04	88.99	96.26	187.78	-26.79
		828	626.38	6.46	-117.92	-1.90	-109.56	31.14	217.09	26.08	50.50	192.68	-63.78
		798	310.41	1.22	-118.71	-9.35	-108.14	34.00	9.20	-103.71	-20.21	-74.30	-49.56
		771	303.29	-1.74	-90.88	-9.82	-82.80	25.59	27.04	-80.69	25.55	-79.20	-12.57
554	8	759	434.32	12.75	-104.92	-1.08	-91.09	37.90	159.88	70.86	75.87	154.86	-20.52
		828	559.72	7.87	-164.35	-4.37	-152.10	44.26	178.12	21.42	39.17	160.37	-49.66
		798	261.78	9.28	-165.20	-6.46	-149.46	49.99	3.76	-80.76	-17.59	-59.41	-36.73
		771	262.79	5.67	-104.14	-4.73	-93.74	32.16	19.79	-65.59	19.11	-64.91	-7.59
554	9	759	385.23	8.03	-92.63	-0.94	-83.66	28.68	142.20	65.18	69.82	137.55	-18.33
		828	482.85	5.09	-127.76	-3.30	-119.37	32.31	158.04	19.67	36.66	141.04	-45.42
		798	233.00	3.70	-128.28	-6.82	-117.76	35.74	6.21	-73.28	-14.91	-52.17	-35.11
		771	230.90	1.13	-92.66	-6.25	-85.28	25.25	19.12	-56.52	18.26	-55.65	-8.02
554	10	759	397.80	10.52	-85.17	-0.36	-74.30	30.37	149.60	67.87	72.67	144.79	-19.23
		828	506.72	6.62	-129.51	-3.10	-119.79	35.06	166.57	20.43	37.52	149.48	-46.97
		798	239.43	6.29	-130.27	-6.21	-117.77	39.39	4.35	-76.64	-16.08	-56.21	-35.17
		771	240.54	3.30	-84.84	-5.22	-76.32	26.05	19.76	-61.59	19.07	-60.90	-7.43
554	11	759	366.61	7.31	-61.16	0.78	-54.63	20.11	142.45	64.73	69.62	137.56	-18.87

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		828	447.56	4.91	-73.88	-1.28	-67.68	21.21	157.73	19.12	36.22	140.62	-45.59
		798	218.17	-0.96	-74.69	-8.75	-66.91	22.66	6.60	-74.53	-14.87	-53.06	-35.79
		771	212.36	-3.09	-62.06	-9.75	-55.41	18.66	19.62	-57.22	18.53	-56.13	-9.07
555	1	771	404.22	-9.94	-115.07	-17.73	-107.28	27.54	-12.53	-131.03	-13.13	-130.42	8.47
		798	513.32	-8.12	-165.87	-20.61	-153.38	42.60	-7.20	-155.91	-12.40	-150.71	27.32
		787	271.70	-3.33	-164.98	-12.78	-155.53	37.93	76.06	47.01	50.81	72.25	-9.80
		760	323.04	-1.20	-115.11	-11.18	-105.13	32.20	106.98	35.65	50.08	92.54	-28.66
555	2	771	411.38	-10.58	-136.61	-19.68	-127.51	32.62	-13.18	-129.00	-13.58	-128.60	6.79
		798	528.31	-8.08	-197.68	-22.84	-182.93	50.80	-7.78	-153.93	-12.63	-149.08	26.18
		787	300.97	-4.80	-196.83	-16.07	-185.56	45.13	80.21	47.16	51.77	75.60	-11.45
		760	349.10	-1.92	-136.80	-13.84	-124.88	38.29	111.69	35.20	50.82	96.07	-30.83
555	3	771	427.78	-13.74	-76.87	-20.99	-69.63	20.13	-15.12	-150.86	-16.46	-149.52	13.43
		798	562.02	-9.85	-162.14	-25.01	-146.98	45.59	-6.28	-175.07	-13.26	-168.09	33.61
		787	240.06	-9.11	-160.71	-19.09	-150.73	37.60	63.77	52.27	52.66	63.38	-2.09
		760	264.76	-3.01	-78.45	-15.58	-65.88	28.12	93.27	38.14	49.46	81.95	-22.27
555	4	771	415.44	7.39	-8.03	-7.03	6.39	3.80	-19.23	-162.40	-19.97	-161.65	10.29
		798	494.36	5.05	-9.62	-8.02	3.45	4.57	-9.18	-188.74	-15.38	-182.54	32.79
		787	164.41	6.39	-3.26	-0.33	3.45	4.44	68.02	51.84	56.33	63.53	-7.24
		760	240.02	8.09	-2.74	-1.04	6.39	3.94	102.01	34.14	51.74	84.41	-29.74
555	5	771	385.47	-2.87	-43.22	-8.92	-37.16	14.41	-15.50	-142.64	-15.95	-142.20	7.50
		798	462.18	-3.97	-40.65	-9.79	-34.83	13.40	-8.62	-168.42	-13.72	-163.32	28.09
		787	197.35	3.91	-39.53	-1.08	-34.54	13.85	75.53	47.93	53.54	69.93	-11.11
		760	283.22	2.67	-42.31	-2.20	-37.45	13.97	108.59	33.77	51.31	91.05	-31.70
555	6	771	379.89	-4.65	-69.84	-10.23	-64.26	18.24	-12.88	-132.63	-13.32	-132.20	7.19
		798	457.86	-5.44	-74.03	-11.37	-68.10	19.28	-7.85	-157.93	-12.61	-153.17	26.29
		787	218.57	2.44	-73.28	-2.71	-68.13	19.07	76.64	45.65	51.18	71.11	-11.87
		760	299.07	1.67	-69.40	-3.49	-64.24	18.45	108.60	33.97	50.48	92.09	-30.97
555	7	771	388.31	-6.66	-72.75	-11.42	-67.99	17.10	-12.02	-134.68	-12.51	-134.18	7.76
		798	476.47	-6.32	-95.08	-13.13	-88.27	23.62	-6.93	-159.31	-11.71	-154.53	26.55
		787	225.75	-0.44	-94.43	-5.72	-89.14	21.65	74.60	46.54	51.44	69.69	-10.65
		760	292.97	-0.05	-72.53	-5.47	-67.12	19.06	105.76	34.92	50.64	90.04	-29.44
555	8	771	328.04	-11.17	-61.05	-16.97	-55.25	15.99	-12.20	-115.50	-13.26	-114.45	10.38
		798	434.32	-7.88	-131.83	-20.25	-119.47	37.15	-4.83	-133.69	-10.25	-128.28	25.85
		787	185.14	-7.74	-130.69	-15.84	-122.59	30.50	47.57	39.74	39.88	47.44	-1.01
		760	199.90	-2.53	-62.46	-12.87	-52.13	22.64	69.57	28.56	36.87	61.27	-16.48
555	9	771	289.29	-6.54	-73.54	-11.59	-68.49	17.68	-8.48	-95.64	-8.95	-95.18	6.35
		798	364.40	-5.48	-105.23	-13.46	-97.25	27.06	-5.01	-113.71	-8.79	-109.93	19.92
		787	186.46	-1.89	-104.62	-7.94	-98.58	24.17	54.55	34.20	36.97	51.78	-6.98
		760	226.21	-0.64	-73.53	-7.01	-67.16	20.58	77.03	26.32	36.81	66.53	-20.54
555	10	771	302.32	-8.67	-52.30	-13.40	-47.57	13.57	-9.93	-106.65	-10.80	-105.79	9.11
		798	391.39	-6.45	-103.16	-15.90	-93.70	28.73	-4.50	-124.35	-9.26	-119.59	23.41
		787	169.04	-5.11	-102.25	-11.44	-95.92	23.98	47.60	37.24	38.00	46.85	-2.69
		760	193.96	-1.76	-53.04	-9.45	-45.35	18.31	69.41	27.70	36.47	60.65	-16.99
555	11	771	275.78	-3.60	-48.41	-7.43	-44.59	12.52	-8.69	-96.53	-9.05	-96.16	5.64
		798	333.59	-3.99	-54.21	-8.32	-49.88	14.11	-5.37	-114.83	-8.90	-111.30	19.34
		787	157.17	1.31	-53.68	-2.34	-50.03	13.69	54.87	33.45	37.18	51.15	-8.12
		760	212.95	0.95	-48.13	-2.74	-44.44	12.94	77.93	25.38	37.03	66.28	-21.83
556	1	760	460.48	5.78	-109.36	-1.03	-102.54	27.17	171.34	86.13	90.70	166.76	-19.21
		787	523.08	3.68	-138.87	-3.06	-132.13	30.26	175.89	30.93	52.10	154.72	-51.19
		799	384.93	2.45	-138.99	-5.82	-130.72	33.18	14.10	-122.07	-14.46	-93.51	-55.44
		772	331.23	0.35	-109.59	-5.28	-103.95	24.24	29.12	-86.44	24.15	-81.47	-23.46
556	2	760	480.99	8.67	-125.68	-0.19	-116.82	33.35	175.67	86.47	91.93	170.21	-21.38
		787	553.65	5.80	-165.54	-2.87	-156.87	37.55	180.56	30.57	52.77	158.35	-53.27
		799	398.67	4.58	-165.76	-6.21	-154.97	41.50	15.85	-123.77	-14.11	-93.81	-57.32
		772	344.07	1.77	-125.89	-5.41	-118.72	29.40	30.78	-87.68	25.05	-81.95	-25.43
556	3	760	409.72	8.28	-63.40	2.71	-57.83	19.20	161.72	92.05	94.16	159.62	-11.92
		787	497.44	5.19	-129.28	-0.22	-123.87	26.42	170.13	35.63	53.92	151.83	-46.11
		799	399.56	9.81	-129.14	1.64	-120.97	32.68	0.33	-131.08	-17.83	-112.92	-45.35
		772	358.21	6.94	-63.20	4.47	-60.72	12.94	23.37	-106.09	22.40	-105.13	-11.16
556	4	760	403.33	14.56	-3.26	-2.72	14.02	-3.05	170.93	93.22	98.05	166.10	-18.76
		787	446.73	12.76	-3.26	-2.74	12.23	-2.85	178.35	32.94	56.66	154.64	-53.72
		799	418.53	12.78	-2.87	-2.39	12.30	-2.69	6.22	-151.92	-17.80	-127.90	-56.76
		772	369.34	14.57	-2.87	-2.25	13.96	-3.21	26.90	-119.75	23.59	-116.43	-21.79
556	5	760	421.11	-4.32	-32.26	-6.16	-30.42	6.93	174.27	88.15	94.32	168.10	-22.21
		787	457.38	-3.76	-23.24	-5.77	-21.23	5.92	179.13	30.02	53.81	155.34	-54.60
		799	392.79	-4.63	-23.13	-6.13	-21.63	5.06	13.68	-138.07	-15.06	-109.33	-59.46
		772	334.87	-4.19	-32.37	-6.55	-30.02	7.80	31.18	-102.31	25.45	-96.57	-27.08
556	6	760	435.09	-3.32	-67.10	-6.00	-64.41	12.82	171.43	84.74	90.99	165.18	-22.42
		787	472.65	-3.10	-60.65	-5.77	-57.99	12.10	175.64	28.78	51.81	152.61	-53.41
		799	379.57	-3.76	-60.69	-6.19	-58.26	11.50	16.51	-127.11	-13.49	-97.10	-58.38
		772	324.93	-3.54	-67.11	-6.51	-64.14	13.42	32.12	-90.97	25.68	-84.54	-27.40
556	7	760	432.71	1.21	-71.98	-2.15	-68.62	15.32	169.19	86.14	91.55	163.78	-20.49

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		787	483.23	0.46	-82.69	-2.92	-79.30	16.43	174.69	30.18	52.52	152.35	-52.24
		799	375.83	-0.18	-82.68	-4.08	-78.79	17.49	14.48	-124.29	-13.73	-96.08	-55.85
		772	323.61	-0.93	-72.11	-3.91	-69.13	14.26	30.35	-89.70	25.30	-84.65	-24.10
556	8	760	309.80	6.91	-50.02	2.39	-45.51	15.38	121.80	69.54	70.98	120.36	-8.53
		787	379.99	4.35	-105.08	-0.02	-100.71	21.42	128.34	27.16	40.75	114.75	-34.51
		799	306.88	8.37	-104.96	1.71	-98.30	26.65	-0.71	-99.84	-13.88	-86.67	-33.65
		772	275.23	6.02	-49.84	4.11	-47.92	10.16	16.94	-81.65	16.34	-81.05	-7.67
556	9	760	326.34	3.46	-69.81	-0.81	-65.54	17.17	123.53	63.03	66.34	120.22	-13.76
		787	369.54	2.15	-88.04	-2.08	-83.81	19.07	127.05	22.60	37.97	111.68	-37.01
		799	275.58	1.32	-88.11	-3.85	-82.94	20.88	9.90	-88.76	-10.35	-68.51	-39.84
		772	237.87	0.01	-69.96	-3.54	-66.41	15.36	21.40	-63.35	18.02	-59.97	-16.59
556	10	760	298.25	4.84	-44.26	1.27	-40.70	12.74	118.14	66.37	68.26	116.25	-9.71
		787	355.24	2.99	-82.71	-0.50	-79.22	16.94	123.85	25.21	38.99	110.07	-34.19
		799	282.51	5.41	-82.64	0.29	-77.52	20.60	2.17	-93.68	-12.22	-79.29	-34.24
		772	252.27	3.67	-44.19	1.88	-42.40	9.08	18.09	-74.15	17.05	-73.11	-9.76
556	11	760	312.34	-1.59	-46.33	-3.57	-44.36	9.19	123.58	62.27	66.50	119.34	-15.55
		787	341.56	-1.61	-44.58	-3.58	-42.62	8.99	126.92	21.40	37.82	110.50	-38.24
		799	272.66	-2.13	-44.60	-4.06	-42.68	8.83	11.24	-91.55	-9.81	-70.51	-41.48
		772	234.26	-2.15	-46.36	-4.22	-44.29	9.34	23.04	-65.84	18.87	-61.67	-18.78
557	1	772	432.42	-8.28	-111.31	-11.41	-108.18	17.70	-13.75	-142.73	-13.77	-142.71	-1.65
		799	522.74	-7.84	-139.17	-13.32	-133.69	26.26	-13.67	-168.80	-16.31	-166.17	20.05
		788	260.89	-2.71	-139.14	-6.93	-134.92	23.64	81.96	36.62	54.72	63.86	-22.20
		761	347.26	-2.26	-110.90	-6.21	-106.95	20.33	118.69	25.88	57.26	87.31	-43.91
557	2	772	440.12	-10.29	-117.13	-14.42	-113.01	20.59	-13.68	-144.79	-13.74	-144.73	-2.77
		799	539.89	-9.10	-159.53	-17.02	-151.61	33.61	-13.52	-170.51	-15.93	-168.09	19.33
		788	277.63	-3.99	-159.37	-9.84	-153.51	29.58	84.00	37.09	56.08	65.00	-23.02
		761	357.87	-2.86	-116.70	-8.46	-111.10	24.62	120.89	25.76	58.28	88.37	-45.12
557	3	772	466.10	-14.40	-68.88	-14.50	-68.78	2.31	-17.48	-167.20	-18.80	-165.88	13.97
		799	595.71	-13.57	-138.11	-18.44	-133.24	24.14	-11.96	-196.15	-19.00	-189.10	35.33
		788	225.29	-7.61	-138.82	-9.94	-136.49	17.33	64.40	48.37	52.40	60.37	-6.95
		761	270.94	-5.83	-66.92	-7.22	-65.53	9.12	100.37	35.83	52.61	83.59	-28.31
557	4	772	475.04	9.34	-13.96	-0.71	-3.90	-11.54	-20.69	-186.82	-20.80	-186.70	4.40
		799	560.02	5.25	-15.92	-1.46	-9.21	-9.85	-15.61	-216.26	-19.85	-212.02	28.87
		788	172.49	8.78	-15.26	2.93	-9.40	-10.32	72.32	35.49	58.87	48.95	-17.73
		761	274.30	11.03	-12.02	2.72	-3.71	-11.07	109.07	23.10	57.91	74.26	-42.20
557	5	772	446.93	-1.43	-42.07	-1.46	-42.05	-1.06	-16.09	-164.70	-16.13	-164.65	-2.61
		799	516.77	-1.57	-39.97	-1.66	-39.88	-1.88	-14.53	-191.20	-17.03	-188.70	20.84
		788	194.09	1.06	-39.77	1.00	-39.71	-1.58	79.40	32.73	58.34	53.80	-23.23
		761	298.43	0.61	-42.26	0.57	-42.21	-1.36	116.14	20.94	59.23	77.85	-46.68
557	6	772	429.61	-2.33	-80.64	-3.06	-79.91	7.54	-12.88	-147.67	-13.04	-147.51	-4.66
		799	495.29	-2.68	-77.57	-3.24	-77.01	6.47	-13.49	-173.03	-15.40	-171.12	17.34
		788	225.36	0.10	-77.41	-0.51	-76.80	6.85	83.32	32.67	56.26	59.73	-25.27
		761	329.69	-0.35	-80.76	-0.99	-80.12	7.16	119.84	22.12	58.63	83.33	-47.27
557	7	772	424.44	-4.84	-82.22	-6.02	-81.04	9.49	-12.84	-145.62	-12.86	-145.60	-1.65
		799	501.71	-5.01	-94.03	-6.99	-92.05	13.14	-12.93	-171.34	-15.42	-168.85	19.71
		788	229.33	-1.34	-94.14	-2.93	-92.55	12.04	80.31	35.60	54.85	61.05	-22.14
		761	322.24	-1.36	-81.95	-2.77	-80.54	10.59	116.38	25.33	57.41	84.30	-43.50
557	8	772	357.83	-11.82	-54.12	-11.88	-54.06	1.62	-14.00	-128.38	-15.18	-127.21	11.53
		799	460.74	-11.08	-111.92	-15.15	-107.86	19.84	-9.05	-150.40	-14.74	-144.71	27.78
		788	173.79	-6.37	-112.50	-8.30	-110.57	14.16	47.90	37.29	39.43	45.77	-4.25
		761	203.89	-4.85	-52.49	-6.00	-51.34	7.30	74.96	27.30	38.99	63.27	-20.50
557	9	772	310.58	-5.42	-72.12	-7.24	-70.30	10.85	-9.40	-104.04	-9.40	-104.04	-0.63
		799	373.83	-5.22	-89.61	-8.47	-86.37	16.23	-9.64	-123.04	-11.64	-121.04	14.92
		788	180.13	-1.74	-89.63	-4.23	-87.13	14.59	58.47	26.71	39.61	45.57	-15.60
		761	243.36	-1.50	-71.83	-3.80	-69.54	12.50	85.05	19.39	41.85	62.58	-31.15
557	10	772	328.91	-8.82	-48.55	-8.95	-48.42	2.30	-11.58	-117.52	-12.19	-116.91	8.05
		799	414.08	-8.40	-89.03	-11.31	-86.11	15.06	-8.75	-138.16	-13.14	-133.78	23.41
		788	159.42	-4.43	-89.48	-5.90	-88.01	11.09	48.59	33.38	38.32	43.64	-7.13
		761	200.59	-3.45	-47.44	-4.36	-46.53	6.27	74.76	25.02	39.27	60.51	-22.49
557	11	772	308.92	-2.09	-55.12	-2.60	-54.60	5.21	-8.94	-106.76	-8.99	-106.70	-2.30
		799	358.48	-2.34	-55.40	-2.87	-54.88	5.24	-9.56	-125.37	-11.13	-123.79	13.42
		788	160.51	-0.15	-55.35	-0.66	-54.85	5.26	59.23	24.52	40.47	43.28	-17.30
		761	233.65	-0.40	-55.13	-0.90	-54.63	5.18	85.69	17.30	42.61	60.37	-33.02
558	1	761	485.25	4.17	-130.78	0.35	-126.96	22.37	177.19	82.63	96.48	163.34	-33.43
		788	545.50	3.54	-153.07	-0.51	-149.02	24.87	180.82	22.72	56.77	146.77	-64.99
		800	472.50	5.65	-152.76	0.91	-148.02	26.99	32.56	-141.64	-8.55	-100.53	-73.97
		773	398.28	5.16	-131.04	2.08	-127.96	20.25	45.10	-97.90	31.16	-83.97	-42.41
558	2	761	491.79	8.68	-127.80	3.22	-122.34	26.74	180.37	84.21	98.73	165.85	-34.42
		788	562.58	6.75	-162.63	1.07	-156.94	30.50	184.36	23.02	57.87	149.51	-66.39
		800	479.61	6.61	-162.39	-0.52	-155.26	33.97	32.72	-144.75	-8.55	-103.48	-74.97
		773	404.34	4.71	-128.23	0.50	-124.02	23.27	46.18	-101.01	32.31	-87.14	-43.00
558	3	761	458.50	14.16	-102.43	12.01	-100.28	15.70	172.76	91.66	96.17	168.25	-18.60

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		788	534.29	11.87	-161.61	8.98	-158.73	22.18	176.32	31.56	54.58	153.30	-52.94
		800	427.41	13.86	-160.57	9.26	-155.98	27.93	15.93	-129.67	-14.91	-98.83	-59.49
		773	354.57	12.46	-103.89	11.61	-103.03	9.95	32.13	-89.34	26.68	-83.89	-25.14
558	4	761	417.10	4.07	-42.28	2.98	-41.19	-7.03	173.20	87.91	102.42	158.68	-32.05
		788	470.96	4.34	-51.73	3.77	-51.16	-5.65	179.79	23.37	60.28	142.88	-66.41
		800	493.78	10.44	-51.29	10.05	-50.89	-4.90	25.94	-159.63	-10.82	-122.88	-73.96
		773	414.55	12.89	-42.56	11.77	-41.45	-7.78	41.85	-117.60	31.32	-107.07	-39.60
558	5	761	438.72	-0.47	-69.69	-0.52	-69.64	1.81	174.88	83.57	101.31	157.14	-36.13
		788	493.77	0.77	-77.78	0.65	-77.66	3.03	180.46	20.71	59.75	141.42	-68.65
		800	498.25	8.40	-77.68	8.25	-77.53	3.54	31.34	-156.31	-8.08	-116.89	-76.44
		773	424.54	10.21	-69.79	10.18	-69.77	1.29	46.55	-114.23	33.49	-101.17	-43.93
558	6	761	466.90	-1.21	-108.93	-2.31	-107.84	10.79	176.39	80.34	98.21	158.52	-37.38
		788	518.80	0.04	-114.03	-1.16	-112.83	11.64	180.63	19.83	57.85	142.61	-68.32
		800	485.41	6.76	-114.00	5.58	-112.82	11.89	35.51	-146.20	-6.59	-104.10	-76.67
		773	414.74	8.17	-108.81	7.21	-107.85	10.55	49.01	-103.42	33.77	-88.19	-45.72
558	7	761	461.05	1.82	-106.53	0.03	-104.74	13.83	173.77	82.01	96.63	159.15	-33.58
		788	517.03	2.01	-120.05	0.02	-118.06	15.45	178.42	22.20	56.89	143.73	-64.93
		800	464.91	5.61	-119.79	3.36	-117.54	16.64	31.71	-141.32	-7.96	-101.65	-72.73
		773	394.10	6.03	-106.69	4.60	-105.26	12.64	44.85	-99.30	31.78	-86.23	-41.39
558	8	761	350.34	11.80	-80.99	10.04	-79.23	12.64	131.20	69.36	72.30	128.26	-13.17
		788	409.79	9.85	-129.98	7.50	-127.62	18.00	133.61	24.30	41.00	116.92	-39.32
		800	322.71	11.33	-129.13	7.54	-125.34	22.77	11.12	-97.16	-11.87	-74.17	-44.29
		773	266.60	10.12	-82.19	9.44	-81.52	7.87	23.25	-66.65	19.43	-62.83	-18.14
558	9	761	343.50	2.68	-86.37	0.38	-84.07	14.12	127.25	60.47	70.31	117.41	-23.67
		788	386.31	2.34	-101.13	-0.13	-98.66	15.79	130.12	16.77	41.20	105.69	-46.61
		800	338.15	3.99	-100.91	1.09	-98.01	17.19	22.79	-102.30	-6.16	-73.35	-52.76
		773	285.65	3.76	-86.55	1.93	-84.72	12.73	32.40	-71.09	22.94	-61.63	-29.82
558	10	761	328.17	8.26	-70.64	6.86	-69.24	10.42	124.52	65.76	70.13	120.14	-15.43
		788	379.47	6.98	-105.90	5.14	-104.06	14.30	127.52	21.79	39.99	109.32	-39.91
		800	312.53	8.56	-105.26	5.73	-102.43	17.71	13.56	-95.67	-9.70	-72.41	-44.72
		773	260.92	7.84	-71.49	7.22	-70.87	7.01	25.17	-66.30	20.45	-61.59	-20.23
558	11	761	333.35	-0.29	-74.25	-1.09	-73.44	7.69	126.78	59.22	71.27	114.74	-25.86
		788	371.48	0.41	-79.46	-0.49	-78.56	8.44	130.00	15.18	41.80	103.38	-48.46
		800	345.32	4.62	-79.38	3.69	-78.45	8.79	24.44	-104.84	-5.07	-75.33	-54.26
		773	294.72	5.46	-74.23	4.78	-73.55	7.34	34.57	-74.15	24.39	-63.98	-31.66
559	1	773	492.72	-2.41	-153.31	-8.49	-147.23	29.68	-7.58	-155.23	-10.18	-152.63	-19.41
		800	563.97	-2.51	-165.88	-9.72	-158.67	33.55	-9.52	-176.63	-9.60	-176.55	3.61
		789	338.83	2.43	-165.69	-4.06	-159.19	32.41	107.95	26.50	65.63	68.83	-40.69
		762	445.15	2.34	-153.08	-4.04	-146.71	30.82	144.10	13.70	65.05	92.75	-63.71
559	2	773	496.73	-4.84	-137.65	-11.68	-130.80	29.37	-8.27	-161.23	-10.59	-158.92	-18.69
		800	576.04	-4.44	-162.83	-13.72	-153.56	37.19	-9.34	-182.55	-9.47	-182.43	4.65
		789	329.65	1.87	-162.43	-5.87	-154.68	34.83	105.18	26.54	66.40	65.32	-39.32
		762	430.10	2.22	-137.32	-5.42	-129.68	31.74	140.81	13.30	65.28	88.83	-62.66
559	3	773	461.95	-6.76	-135.78	-12.16	-130.38	25.83	-16.10	-149.19	-16.11	-149.18	-1.21
		800	567.72	-5.95	-173.81	-14.92	-164.84	37.75	-13.03	-176.86	-15.70	-174.19	20.74
		789	320.05	1.22	-173.52	-5.71	-166.59	34.10	96.04	41.99	58.10	79.93	-24.72
		762	404.01	1.95	-135.28	-4.70	-128.63	29.48	133.63	29.01	57.69	104.95	-46.67
559	4	773	513.85	1.73	-90.14	0.72	-89.13	9.59	-12.17	-176.83	-13.40	-175.59	-14.19
		800	583.21	1.29	-85.64	0.55	-84.89	8.00	-11.11	-202.54	-11.60	-202.04	9.69
		789	287.32	4.62	-85.41	3.80	-84.59	8.55	107.26	29.57	67.82	69.01	-38.84
		762	405.45	4.03	-90.31	3.16	-89.43	9.03	145.16	16.31	66.02	95.46	-62.72
559	5	773	516.20	1.07	-103.95	-1.03	-101.85	14.70	-8.32	-173.62	-10.45	-171.49	-18.64
		800	583.47	1.04	-109.38	-1.46	-106.88	16.43	-8.57	-196.05	-8.69	-195.92	4.82
		789	298.47	2.45	-109.44	0.14	-107.13	15.91	106.27	24.76	68.43	62.59	-40.65
		762	408.13	2.49	-103.83	0.26	-101.60	15.23	141.76	11.94	66.68	87.02	-64.11
559	6	773	501.65	1.28	-140.99	-2.81	-136.90	23.78	-4.88	-159.23	-8.02	-156.09	-21.78
		800	563.30	1.23	-144.16	-3.12	-139.81	24.76	-7.29	-179.86	-7.30	-179.85	0.85
		789	330.90	2.49	-144.15	-1.71	-139.95	24.47	110.40	24.15	67.22	67.33	-43.12
		762	440.13	2.46	-140.92	-1.70	-136.76	24.07	145.68	11.91	66.50	91.09	-65.75
559	7	773	485.41	-0.73	-135.77	-5.09	-131.40	23.89	-6.90	-155.19	-9.14	-152.94	-18.11
		800	551.09	-0.96	-141.61	-5.81	-136.76	25.66	-8.74	-176.71	-8.85	-176.61	4.19
		789	317.78	2.64	-141.51	-1.89	-136.97	25.16	105.44	26.52	64.77	67.19	-39.44
		762	424.01	2.42	-135.63	-2.03	-131.18	24.39	140.80	14.53	64.47	90.85	-61.74
559	8	773	349.78	-5.62	-107.30	-9.97	-102.95	20.59	-13.23	-112.28	-13.23	-112.28	-0.02
		800	433.48	-4.91	-138.90	-12.25	-131.56	30.49	-10.18	-133.61	-12.48	-131.32	16.67
		789	248.87	0.85	-138.65	-4.78	-133.02	27.46	73.19	32.62	43.49	62.31	-17.97
		762	310.66	1.50	-106.91	-3.92	-101.49	23.62	101.72	22.36	42.73	81.35	-34.66
559	9	773	353.24	-1.53	-103.10	-5.46	-99.18	19.57	-5.17	-112.42	-6.79	-110.80	-13.07
		800	403.97	-1.62	-111.28	-6.27	-106.63	22.09	-6.79	-128.19	-6.88	-128.10	3.35
		789	235.97	1.73	-111.17	-2.47	-106.98	21.35	76.58	19.47	47.19	48.87	-28.54
		762	312.24	1.64	-102.94	-2.46	-98.84	20.31	102.66	10.78	47.28	66.16	-44.96
559	10	773	335.47	-3.95	-93.36	-7.49	-89.82	17.44	-10.00	-108.97	-10.09	-108.88	-2.96

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		800	405.37	-3.56	-115.67	-9.16	-110.07	24.43	-8.87	-128.19	-10.27	-126.79	12.86
		789	224.06	1.05	-115.52	-3.38	-111.09	22.29	69.59	28.46	43.01	55.04	-19.67
		762	288.38	1.41	-93.04	-2.83	-88.80	19.57	96.55	19.58	43.19	72.94	-35.49
559	11	773	358.13	0.53	-96.26	-2.30	-93.44	16.29	-3.70	-114.62	-5.59	-112.72	-14.39
		800	403.50	0.47	-99.22	-2.60	-96.16	17.21	-5.58	-129.96	-5.60	-129.93	1.81
		789	231.62	1.77	-99.21	-1.16	-96.28	16.94	77.94	18.16	48.07	48.04	-29.89
		762	309.49	1.72	-96.20	-1.16	-93.32	16.56	103.54	9.78	48.08	65.24	-46.09
560	1	762	595.63	10.41	-173.84	1.08	-164.51	40.39	211.23	76.59	110.45	177.37	-58.42
		789	655.38	8.20	-160.74	-0.99	-151.55	38.32	217.57	19.10	67.50	169.17	-85.23
		801	442.53	-4.28	-161.28	-13.82	-151.74	37.51	75.49	-104.33	12.09	-40.93	-85.92
		774	366.74	-6.44	-175.07	-17.20	-164.32	41.20	84.77	-62.46	55.04	-32.73	-59.11
560	2	762	572.64	12.00	-149.64	2.32	-139.96	38.35	207.77	77.47	111.53	173.71	-57.25
		789	639.90	8.94	-144.50	-0.63	-134.93	37.10	215.42	19.73	68.38	166.76	-84.58
		801	436.46	-4.79	-145.29	-15.42	-134.66	37.16	70.21	-108.35	11.43	-49.57	-83.91
		774	367.78	-7.84	-151.30	-18.91	-140.23	38.29	80.56	-68.61	54.58	-42.63	-56.58
560	3	762	575.36	17.41	-159.00	7.64	-149.22	40.36	205.61	84.49	102.68	187.42	-43.27
		789	637.95	12.97	-158.78	3.38	-149.19	39.45	212.70	27.79	60.23	180.26	-70.33
		801	370.40	-4.91	-159.76	-16.16	-148.50	40.20	57.50	-87.72	4.03	-34.26	-70.04
		774	290.10	-9.33	-161.06	-20.49	-149.90	39.61	66.27	-46.89	46.48	-27.10	-42.98
560	4	762	579.38	8.61	-130.17	4.40	-125.96	23.80	216.91	80.37	114.14	183.14	-58.91
		789	637.90	7.27	-103.86	3.42	-100.01	20.34	225.74	20.75	69.74	176.76	-87.42
		801	422.64	-4.31	-104.31	-7.72	-100.91	18.14	75.35	-103.96	11.48	-40.09	-85.87
		774	360.21	-5.60	-130.72	-11.26	-125.06	26.00	83.87	-61.69	55.88	-33.70	-57.37
560	5	762	569.19	10.37	-135.64	4.61	-129.88	28.43	211.19	78.26	114.33	175.11	-59.11
		789	633.22	8.32	-119.38	2.77	-113.84	26.03	219.71	19.23	70.53	168.41	-87.48
		801	433.77	-4.14	-119.82	-9.76	-114.19	24.88	74.28	-107.96	12.51	-46.19	-86.26
		774	371.78	-6.12	-136.61	-13.20	-129.52	29.57	83.55	-66.73	56.31	-39.49	-57.89
560	6	762	596.04	10.39	-168.36	2.41	-160.39	36.91	213.31	75.77	112.49	176.59	-60.85
		789	656.03	8.38	-151.51	0.58	-143.71	34.44	220.07	17.96	69.07	168.96	-87.85
		801	446.92	-4.17	-151.99	-12.06	-144.10	33.24	78.72	-104.89	13.59	-39.76	-87.85
		774	374.82	-6.11	-169.44	-15.55	-160.00	38.11	87.86	-62.98	57.01	-32.13	-60.84
560	7	762	576.44	9.67	-160.78	1.93	-153.04	35.49	206.99	76.11	109.33	173.78	-56.95
		789	635.26	7.77	-145.17	0.19	-137.60	33.19	213.99	19.28	66.80	166.48	-83.63
		801	425.22	-4.03	-145.63	-11.72	-137.95	32.08	73.45	-101.29	11.99	-39.84	-83.44
		774	357.47	-5.88	-161.81	-15.00	-152.69	36.59	82.53	-60.54	54.52	-32.54	-56.76
560	8	762	442.73	14.00	-125.28	6.17	-117.46	32.08	157.08	63.91	76.87	144.11	-32.25
		789	489.90	10.41	-125.95	2.72	-118.26	31.44	162.16	21.31	44.96	138.50	-52.65
		801	280.74	-3.82	-126.74	-12.89	-117.67	32.13	43.38	-65.32	2.43	-24.37	-52.67
		774	214.95	-7.41	-126.95	-16.31	-118.04	31.39	49.58	-34.00	34.35	-18.76	-32.27
560	9	762	420.42	7.30	-118.11	1.08	-111.89	27.24	150.68	55.98	79.96	126.70	-41.18
		789	464.09	5.75	-108.87	-0.38	-102.74	25.78	155.59	14.27	48.73	121.13	-60.68
		801	312.00	-3.02	-109.24	-9.38	-102.88	25.21	52.86	-74.81	8.59	-30.53	-60.77
		774	261.85	-4.54	-118.97	-11.76	-111.75	27.82	59.89	-45.04	39.82	-24.97	-41.27
560	10	762	408.55	11.19	-109.86	4.72	-103.39	27.23	147.27	60.65	75.64	132.28	-32.76
		789	453.76	8.40	-107.78	2.05	-101.43	26.41	152.71	19.27	44.69	127.29	-52.40
		801	271.53	-3.39	-108.38	-10.69	-101.08	26.70	42.84	-65.56	4.11	-26.83	-51.95
		774	219.26	-6.16	-111.17	-13.59	-103.74	26.93	49.66	-36.44	35.06	-21.84	-32.31
560	11	762	420.67	7.30	-115.07	1.82	-109.59	25.31	151.83	55.53	81.09	126.27	-42.53
		789	464.46	5.85	-103.74	0.50	-98.38	23.62	156.97	13.64	49.60	121.02	-62.14
		801	314.48	-2.96	-104.08	-8.41	-98.63	22.83	54.65	-75.12	9.42	-29.89	-61.84
		774	266.27	-4.35	-115.84	-10.84	-109.35	26.10	61.59	-45.32	40.91	-24.63	-42.23
561	1	774	290.07	-2.81	-154.13	-2.87	-154.07	2.91	28.44	-62.74	12.17	-46.46	-34.91
		801	271.77	-2.81	-156.98	-2.87	-156.92	2.91	3.29	-70.32	-12.06	-54.96	-29.91
		790	593.13	5.34	-156.98	5.28	-156.92	2.91	192.41	16.71	25.10	184.02	-37.46
		763	597.40	5.34	-154.12	5.28	-154.07	2.91	204.16	37.68	49.33	192.52	-42.47
561	2	774	296.21	-4.90	-129.13	-4.97	-129.06	2.90	25.29	-70.95	12.05	-57.71	-33.15
		801	280.81	-4.91	-134.14	-4.97	-134.07	2.90	0.55	-78.20	-11.76	-65.89	-28.59
		790	562.53	4.86	-134.13	4.80	-134.07	2.90	186.64	17.37	25.32	178.70	-35.79
		763	564.94	4.86	-129.13	4.80	-129.06	2.90	197.83	38.17	49.12	186.88	-40.35
561	3	774	245.69	-7.04	-145.57	-7.09	-145.52	2.52	15.55	-50.71	11.45	-46.60	-15.97
		801	240.54	-7.04	-148.04	-7.09	-148.00	2.52	-9.10	-60.19	-12.19	-57.10	-12.18
		790	563.52	6.39	-148.04	6.35	-148.00	2.52	183.39	19.54	22.71	180.23	-22.54
		763	569.43	6.39	-145.56	6.35	-145.52	2.52	195.38	41.70	46.35	190.73	-26.33
561	4	774	272.15	-2.68	-129.28	-2.76	-129.20	-3.23	27.86	-59.02	14.16	-45.33	-31.65
		801	246.28	-2.67	-119.96	-2.76	-119.87	-3.23	1.66	-67.32	-11.60	-54.06	-27.18
		790	586.92	7.24	-119.95	7.16	-119.87	-3.23	199.97	18.69	25.64	193.02	-34.80
		763	596.71	7.23	-129.28	7.16	-129.20	-3.23	211.40	41.75	51.40	201.75	-39.28
561	5	774	288.75	-3.42	-127.08	-3.42	-127.08	-0.79	28.45	-66.08	13.87	-51.50	-34.14
		801	267.38	-3.42	-127.27	-3.42	-127.26	-0.79	2.77	-73.65	-11.33	-59.54	-29.65
		790	576.76	6.12	-127.27	6.12	-127.26	-0.79	194.10	17.88	25.77	186.22	-36.43
		763	580.18	6.12	-127.08	6.12	-127.08	-0.79	205.13	40.11	50.98	194.26	-40.92
561	6	774	290.83	-2.61	-152.36	-2.62	-152.34	1.47	31.05	-61.83	13.52	-44.30	-36.34

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		801	270.36	-2.61	-154.44	-2.62	-154.43	1.47	5.93	-69.63	-11.32	-52.37	-31.72
		790	597.91	5.85	-154.44	5.84	-154.43	1.47	194.83	16.34	25.12	186.06	-38.60
		763	600.52	5.85	-152.36	5.84	-152.34	1.47	206.09	38.00	49.96	194.13	-43.22
561	7	774	280.35	-2.59	-145.87	-2.60	-145.86	1.38	28.27	-59.91	13.45	-45.09	-32.97
		801	260.74	-2.59	-147.21	-2.60	-147.20	1.38	2.94	-67.71	-11.33	-53.44	-28.36
		790	577.90	5.58	-147.21	5.57	-147.20	1.38	189.14	16.94	24.66	181.42	-35.62
		763	581.54	5.58	-145.87	5.57	-145.86	1.38	200.48	38.72	49.44	189.77	-40.23
561	8	774	183.14	-5.65	-114.76	-5.69	-114.72	2.17	10.64	-36.82	7.86	-34.04	-11.14
		801	181.05	-5.65	-116.53	-5.69	-116.49	2.17	-7.50	-44.20	-9.50	-42.21	-8.32
		790	433.22	4.98	-116.53	4.94	-116.49	2.17	140.09	14.66	16.88	137.87	-16.53
		763	438.45	4.98	-114.76	4.94	-114.72	2.17	149.29	30.99	34.24	146.03	-19.35
561	9	774	207.97	-2.10	-105.20	-2.13	-105.17	1.68	20.32	-45.49	9.68	-34.85	-24.24
		801	194.15	-2.10	-107.24	-2.13	-107.21	1.68	1.66	-51.02	-8.41	-40.96	-20.71
		790	418.15	3.83	-107.23	3.80	-107.21	1.68	136.76	12.49	18.21	131.04	-26.04
		763	420.67	3.83	-105.20	3.80	-105.17	1.68	145.19	28.27	36.30	137.16	-29.57
561	10	774	182.70	-4.45	-100.44	-4.47	-100.42	1.47	13.18	-38.83	9.27	-34.93	-13.71
		801	176.03	-4.45	-102.27	-4.47	-102.25	1.47	-5.28	-45.35	-8.48	-42.15	-10.86
		790	401.47	4.42	-102.27	4.40	-102.25	1.47	131.68	14.14	16.88	128.94	-17.74
		763	404.80	4.42	-100.44	4.40	-100.42	1.47	140.19	30.62	34.64	136.17	-20.60
561	11	774	208.30	-1.98	-104.22	-1.99	-104.21	0.88	21.74	-44.96	10.43	-33.65	-25.03
		801	193.23	-1.98	-105.83	-1.99	-105.82	0.88	3.07	-50.59	-8.00	-39.52	-21.71
		790	420.80	4.12	-105.83	4.11	-105.82	0.88	138.11	12.29	18.22	132.18	-26.67
		763	422.41	4.12	-104.22	4.11	-104.21	0.88	146.26	28.44	36.65	138.05	-29.98
562	1	763	607.95	10.58	-147.98	8.43	-145.84	18.33	195.45	1.85	36.10	161.20	-73.88
		790	616.70	11.15	-115.44	8.43	-112.72	18.34	200.13	-9.25	31.59	159.30	-82.96
		802	594.89	8.80	-115.49	6.03	-112.72	18.34	19.51	-196.61	-21.59	-155.52	-84.81
		775	587.84	8.21	-148.02	6.03	-145.84	18.33	16.60	-187.30	-17.08	-153.62	-75.72
562	2	763	580.22	9.21	-126.33	7.43	-124.55	15.42	189.93	1.16	35.67	155.43	-72.96
		790	592.23	9.71	-96.93	7.43	-94.65	15.43	195.36	-9.32	32.02	154.02	-82.17
		802	598.36	7.67	-96.97	5.34	-94.65	15.43	17.18	-201.36	-21.59	-162.58	-83.49
		775	589.93	7.15	-126.35	5.34	-124.55	15.42	13.61	-192.74	-17.95	-161.17	-74.27
562	3	763	559.92	11.23	-141.22	9.24	-139.23	17.27	180.82	8.84	32.51	157.16	-59.25
		790	558.23	11.77	-108.64	9.24	-106.11	17.28	183.26	-0.38	29.31	153.57	-67.61
		802	559.80	7.77	-108.73	5.15	-106.11	17.28	8.99	-188.33	-22.16	-157.18	-71.94
		775	553.07	7.19	-141.27	5.15	-139.23	17.27	6.32	-178.87	-18.96	-153.60	-63.58
562	4	763	600.82	10.06	-132.69	8.61	-131.24	14.32	197.84	5.08	36.95	165.97	-71.60
		790	608.48	10.58	-95.58	8.61	-93.61	14.32	203.32	-5.56	32.45	165.31	-80.59
		802	569.14	8.04	-95.63	6.02	-93.61	14.32	17.65	-190.29	-20.84	-151.80	-80.76
		775	567.42	7.50	-132.71	6.02	-131.24	14.32	14.71	-182.19	-16.34	-151.14	-71.77
562	5	763	593.05	9.57	-129.75	7.99	-128.17	14.75	195.04	3.44	37.10	161.39	-72.91
		790	604.67	10.07	-97.01	7.99	-94.94	14.76	200.75	-7.69	32.60	160.46	-82.31
		802	583.03	8.14	-97.05	6.03	-94.94	14.76	18.20	-195.08	-21.27	-155.61	-82.83
		775	577.14	7.63	-129.77	6.03	-128.17	14.75	15.00	-186.46	-16.77	-154.69	-73.43
562	6	763	612.75	10.72	-148.34	8.67	-146.29	17.95	197.12	1.41	36.42	162.11	-75.00
		790	622.20	11.26	-115.86	8.67	-113.27	17.95	202.03	-9.56	31.77	160.70	-83.89
		802	592.60	8.92	-115.90	6.29	-113.27	17.95	20.54	-195.09	-21.01	-153.54	-85.05
		775	586.93	8.37	-148.37	6.29	-146.29	17.95	17.77	-186.26	-16.37	-152.12	-76.16
562	7	763	589.94	10.21	-141.93	8.26	-139.99	17.10	190.80	3.32	36.09	158.04	-71.20
		790	599.16	10.73	-110.54	8.26	-108.07	17.10	195.42	-7.84	31.18	156.39	-80.06
		802	575.23	8.61	-110.58	6.10	-108.07	17.10	18.47	-190.19	-20.72	-151.01	-81.49
		775	569.29	8.08	-141.96	6.10	-139.99	17.10	16.07	-181.25	-15.82	-149.36	-72.63
562	8	763	429.78	8.83	-110.89	7.26	-109.32	13.60	137.82	6.30	23.72	120.41	-44.58
		790	426.45	9.26	-85.30	7.26	-83.30	13.61	139.45	-0.07	21.88	117.50	-50.80
		802	425.15	6.02	-85.38	3.95	-83.30	13.61	6.51	-142.74	-17.07	-119.17	-54.43
		775	419.94	5.56	-110.93	3.95	-109.32	13.60	4.08	-135.57	-15.24	-116.26	-48.21
562	9	763	427.75	7.34	-101.71	5.89	-100.26	12.51	138.69	2.48	26.70	114.46	-52.09
		790	435.20	7.73	-79.23	5.89	-77.39	12.51	142.05	-5.98	22.92	113.14	-58.68
		802	424.01	6.10	-79.27	4.22	-77.39	12.51	13.26	-140.74	-15.30	-112.17	-59.86
		775	419.10	5.70	-101.73	4.22	-100.26	12.51	11.64	-134.01	-11.52	-110.85	-53.26
562	10	763	400.77	7.70	-97.95	6.34	-96.59	11.92	130.49	6.44	24.71	112.22	-43.96
		790	402.47	8.08	-75.45	6.34	-73.72	11.92	132.63	-1.01	21.65	109.96	-50.15
		802	404.44	5.53	-75.51	3.73	-73.72	11.92	7.43	-136.15	-15.62	-113.10	-52.71
		775	399.76	5.13	-97.98	3.73	-96.59	11.92	5.96	-129.36	-12.56	-110.84	-46.51
562	11	763	430.42	7.42	-101.91	6.02	-100.51	12.30	139.62	2.24	26.88	114.97	-52.71
		790	438.25	7.79	-79.46	6.02	-77.69	12.30	143.11	-6.16	23.02	113.92	-59.20
		802	422.72	6.17	-79.50	4.37	-77.69	12.30	13.83	-139.89	-14.98	-111.07	-59.99
		775	418.59	5.79	-101.93	4.37	-100.51	12.30	12.28	-133.43	-11.12	-110.02	-53.50
563	1	775	461.83	23.86	-86.87	14.72	-77.73	30.47	17.34	-153.90	-6.05	-130.50	-58.81
		802	367.69	29.03	-50.20	14.72	-35.89	30.48	-15.21	-141.14	-26.73	-129.62	-36.29
		791	594.17	0.01	-61.76	-25.85	-35.89	30.48	232.53	48.57	54.23	226.88	-31.75
		764	644.31	-11.78	-91.81	-25.85	-77.73	30.47	243.47	57.43	74.90	226.00	-54.27
563	2	775	457.88	20.52	-74.26	12.74	-66.47	26.02	15.38	-154.48	-5.70	-133.40	-56.00

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		802	371.85	25.13	-41.92	12.74	-29.52	26.03	-16.91	-143.84	-27.03	-133.72	-34.38
		791	593.86	0.22	-52.30	-22.56	-29.52	26.03	234.08	47.67	53.11	228.64	-31.36
		764	640.42	-10.47	-78.57	-22.56	-66.47	26.02	245.39	58.01	74.43	228.97	-52.98
563	3	775	423.94	21.71	-84.13	13.31	-75.73	28.61	7.24	-143.00	-7.68	-128.08	-44.94
		802	354.19	26.86	-47.15	13.31	-33.61	28.62	-21.55	-136.76	-27.23	-131.08	-24.94
		791	560.49	0.42	-57.68	-23.65	-33.61	28.62	219.34	44.36	48.25	215.44	-25.82
		764	612.17	-11.00	-88.38	-23.65	-75.73	28.61	231.28	54.96	67.80	218.44	-45.82
563	4	775	440.68	20.89	-81.25	13.34	-73.70	26.72	15.54	-146.48	-4.87	-126.08	-53.75
		802	351.85	26.24	-42.04	13.34	-29.14	26.73	-16.65	-136.32	-26.29	-126.68	-32.57
		791	578.90	0.99	-52.85	-22.73	-29.14	26.73	228.04	46.51	51.58	222.97	-29.91
		764	629.51	-11.29	-85.14	-22.73	-73.70	26.72	239.28	57.30	73.00	223.57	-51.10
563	5	775	450.89	21.20	-78.21	13.41	-70.42	26.71	16.38	-150.76	-5.19	-129.19	-56.03
		802	360.88	26.20	-42.40	13.41	-29.61	26.72	-16.23	-139.62	-26.62	-129.24	-34.26
		791	585.78	0.54	-53.29	-23.15	-29.61	26.72	230.86	47.51	52.85	225.51	-30.84
		764	634.50	-11.11	-82.45	-23.15	-70.42	26.71	242.05	57.79	74.28	225.56	-52.61
563	6	775	460.41	24.09	-88.01	14.94	-78.86	30.69	18.22	-152.72	-5.35	-129.15	-58.94
		802	365.36	29.27	-50.81	14.94	-36.48	30.69	-14.36	-139.92	-26.21	-128.06	-36.71
		791	594.30	-0.01	-62.32	-25.85	-36.48	30.69	232.33	48.33	54.02	226.64	-31.85
		764	643.65	-11.81	-92.91	-25.85	-78.86	30.69	242.95	57.49	74.89	225.55	-54.08
563	7	775	445.94	23.06	-84.76	14.35	-76.05	29.37	16.95	-148.00	-4.86	-126.19	-55.87
		802	355.27	28.14	-48.25	14.35	-34.46	29.38	-15.26	-136.44	-25.87	-125.83	-34.26
		791	577.29	0.12	-59.42	-24.83	-34.46	29.38	226.04	47.05	52.35	220.74	-30.36
		764	626.21	-11.47	-89.41	-24.83	-76.05	29.37	236.89	56.85	73.36	220.38	-51.97
563	8	775	321.17	16.93	-66.02	10.36	-59.44	22.40	4.56	-108.47	-6.74	-97.17	-33.90
		802	268.87	20.95	-37.04	10.36	-26.44	22.41	-16.67	-103.72	-20.90	-99.49	-18.72
		791	427.00	0.33	-45.19	-18.42	-26.44	22.41	166.77	33.51	36.44	163.84	-19.56
		764	467.30	-8.56	-69.31	-18.42	-59.44	22.40	175.81	40.96	50.60	166.16	-34.75
563	9	775	328.92	16.47	-59.95	10.19	-53.67	20.99	12.44	-109.55	-3.47	-93.64	-41.08
		802	262.95	20.06	-34.45	10.19	-24.57	21.00	-11.31	-101.08	-19.02	-93.37	-25.15
		791	422.39	0.04	-42.48	-17.87	-24.57	21.00	165.67	34.69	38.59	161.77	-22.26
		764	457.55	-8.18	-63.36	-17.87	-53.67	20.99	173.70	41.94	54.14	161.50	-38.19
563	10	775	307.79	15.28	-58.43	9.40	-52.55	19.96	6.85	-103.52	-4.38	-92.29	-33.37
		802	255.35	18.86	-32.76	9.40	-23.30	19.97	-14.82	-98.66	-19.30	-94.18	-18.84
		791	403.69	0.27	-40.22	-16.65	-23.30	19.97	158.34	32.35	35.27	155.41	-18.97
		764	439.66	-7.75	-61.45	-16.65	-52.55	19.96	166.91	40.58	50.20	157.30	-33.49
563	11	775	328.13	16.60	-60.58	10.31	-54.29	21.12	12.92	-108.89	-3.08	-92.89	-41.15
		802	261.64	20.20	-34.79	10.31	-24.90	21.12	-10.84	-100.40	-18.73	-92.51	-25.38
		791	422.46	0.03	-42.79	-17.87	-24.90	21.12	165.55	34.56	38.48	161.63	-22.32
		764	457.18	-8.20	-63.96	-17.87	-54.29	21.12	173.41	41.97	54.13	161.25	-38.08
564	1	764	881.99	-6.26	-19.72	-19.40	-6.59	2.06	361.36	78.75	142.84	297.27	-118.34
		791	765.71	0.73	-19.61	-19.40	0.52	2.06	279.54	-10.61	-0.04	268.97	-54.34
		793	310.95	6.92	-0.14	6.26	0.52	2.06	101.09	-25.57	36.82	38.70	-63.32
		766	723.07	6.58	-6.91	6.26	-6.59	2.06	262.59	-15.88	179.71	66.99	-127.32
564	2	764	885.89	-3.35	-17.15	-17.02	-3.48	1.36	363.29	77.77	141.90	299.17	-119.15
		791	767.71	0.02	-17.12	-17.02	-0.09	1.35	280.28	-11.22	-0.91	269.97	-53.86
		793	311.60	6.52	-0.36	6.25	-0.09	1.35	101.65	-25.51	37.18	38.96	-63.57
		766	729.45	6.43	-3.67	6.25	-3.48	1.36	264.54	-16.40	179.98	68.16	-128.87
564	3	764	833.05	-5.57	-17.96	-17.47	-6.06	2.41	340.90	73.23	130.58	283.55	-109.83
		791	719.09	0.12	-17.80	-17.47	-0.21	2.40	262.39	-10.69	-2.05	253.75	-47.79
		793	290.09	5.70	-1.19	4.72	-0.21	2.40	93.96	-23.98	34.30	35.67	-58.97
		766	681.02	5.23	-6.57	4.72	-6.06	2.41	247.41	-15.00	166.94	65.47	-121.00
564	4	764	851.15	-4.17	-17.16	-16.85	-4.48	1.96	348.78	75.11	136.74	287.15	-114.32
		791	739.48	-0.18	-17.08	-16.85	-0.41	1.96	270.46	-10.12	0.02	260.32	-52.37
		793	298.90	5.77	-1.03	5.15	-0.41	1.96	97.42	-24.11	35.73	37.58	-60.76
		766	695.42	5.53	-4.86	5.15	-4.48	1.96	252.50	-15.65	172.45	64.40	-122.71
564	5	764	865.84	-3.81	-17.56	-17.39	-3.98	1.54	355.22	77.03	139.82	292.44	-116.29
		791	753.28	0.05	-17.52	-17.39	-0.08	1.54	275.38	-10.24	0.15	264.98	-53.48
		793	304.62	6.49	-0.44	6.13	-0.08	1.54	99.30	-24.90	36.23	38.17	-62.10
		766	709.09	6.36	-4.21	6.13	-3.98	1.54	257.30	-15.77	175.90	65.62	-124.91
564	6	764	879.75	-6.36	-19.73	-19.32	-6.77	2.31	360.24	78.27	142.43	296.08	-118.21
		791	763.16	0.55	-19.59	-19.32	0.28	2.30	278.69	-10.60	-5.95e-03	268.09	-54.33
		793	310.38	6.65	-0.55	5.82	0.28	2.30	100.91	-25.33	36.85	38.72	-63.11
		766	720.93	6.22	-7.18	5.82	-6.77	2.31	261.91	-15.91	179.29	66.71	-126.99
564	7	764	853.10	-6.00	-18.93	-18.56	-6.36	2.15	349.61	76.60	138.48	287.73	-114.30
		791	740.58	0.53	-18.80	-18.56	0.29	2.14	270.58	-10.03	0.15	260.41	-52.45
		793	300.37	6.45	-0.45	5.70	0.29	2.14	97.72	-24.48	35.73	37.50	-61.09
		766	698.67	6.07	-6.73	5.70	-6.36	2.15	253.97	-15.08	174.06	64.82	-122.94
564	8	764	635.27	-4.64	-14.01	-13.58	-5.07	1.96	259.61	55.05	98.53	216.13	-83.69
		791	547.82	0.18	-13.86	-13.58	-0.10	1.96	199.72	-8.41	-1.91	193.22	-36.20
		793	221.15	4.37	-0.96	3.52	-0.10	1.96	71.50	-18.39	26.01	27.09	-44.94
		766	518.89	3.94	-5.50	3.52	-5.07	1.96	188.25	-11.80	126.45	50.00	-92.43
564	9	764	626.25	-3.98	-13.62	-13.41	-4.18	1.38	256.92	56.68	102.15	211.45	-83.89

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		791	543.86	0.37	-13.55	-13.41	0.23	1.38	198.74	-7.30	0.16	191.27	-38.50
		793	220.48	4.82	-0.19	4.40	0.23	1.38	71.79	-18.01	26.26	27.52	-44.90
		766	513.91	4.62	-4.40	4.40	-4.18	1.38	186.83	-10.89	128.25	47.69	-90.28
564	10	764	599.02	-3.60	-12.62	-12.34	-3.89	1.57	245.55	53.62	95.34	203.83	-79.16
		791	517.94	0.02	-12.54	-12.34	-0.18	1.57	189.21	-7.35	-0.96	182.82	-34.86
		793	208.90	4.12	-0.75	3.54	-0.18	1.57	67.82	-17.13	24.85	25.84	-42.47
		766	490.21	3.86	-4.21	3.54	-3.89	1.57	178.39	-10.39	121.15	46.85	-86.77
564	11	764	625.00	-4.03	-13.62	-13.37	-4.28	1.52	256.30	56.41	101.92	210.79	-83.82
		791	542.44	0.27	-13.54	-13.37	0.10	1.52	198.26	-7.30	0.18	190.78	-38.50
		793	220.17	4.66	-0.41	4.15	0.10	1.52	71.68	-17.88	26.27	27.53	-44.78
		766	512.72	4.42	-4.55	4.15	-4.28	1.52	186.45	-10.90	128.02	47.54	-90.10
565	1	856	398.66	0.94	-91.85	-69.09	-21.82	39.93	133.88	15.64	94.94	54.57	-55.57
		411	1301.68	18.56	-85.40	-69.03	2.20	37.86	-55.07	-499.79	-490.47	-64.40	-63.70
		330	1419.38	19.13	-85.70	-68.86	2.29	38.50	78.01	-477.55	-458.69	59.15	-100.62
		843	649.94	0.35	-91.23	-68.96	-21.92	39.29	248.41	56.43	126.73	178.12	-92.49
565	2	856	389.10	1.21	-89.46	-67.35	-20.90	38.94	130.95	15.91	93.42	53.45	-53.93
		411	1268.94	17.00	-83.60	-67.29	0.69	37.08	-53.64	-487.36	-478.26	-62.75	-62.19
		330	1384.91	17.50	-83.96	-67.23	0.77	37.66	76.65	-465.83	-447.42	58.24	-98.25
		843	634.37	0.67	-88.96	-67.32	-20.98	38.36	242.77	55.92	124.26	174.43	-89.99
565	3	856	389.01	1.00	-91.60	-69.24	-21.36	39.64	130.43	15.95	93.27	53.11	-53.60
		411	1259.93	17.71	-85.61	-69.30	1.39	37.68	-53.42	-483.36	-474.33	-62.44	-61.62
		330	1373.74	18.55	-84.46	-67.40	1.49	38.29	76.17	-461.85	-443.54	57.85	-97.55
		843	632.21	0.80	-89.89	-67.62	-21.47	39.03	241.60	55.86	124.06	173.40	-89.53
565	4	856	359.18	0.82	-85.16	-62.72	-21.62	37.76	121.13	16.33	81.73	55.72	-50.76
		411	1287.68	17.62	-78.60	-62.68	1.70	35.76	-52.75	-494.97	-485.73	-61.99	-63.23
		330	1409.33	18.25	-78.63	-62.18	1.79	36.38	72.08	-478.77	-459.78	53.09	-100.49
		843	613.51	0.31	-84.33	-62.30	-21.72	37.14	232.75	45.74	107.69	170.80	-88.02
565	5	856	350.57	1.97	-79.85	-58.68	-19.20	35.83	118.58	14.63	76.59	56.62	-51.01
		411	1309.18	12.21	-75.54	-58.68	-4.65	34.58	-51.50	-504.10	-494.49	-61.12	-65.26
		330	1432.74	12.68	-75.39	-58.13	-4.59	34.96	71.75	-489.45	-470.20	52.49	-102.16
		843	607.22	1.70	-79.18	-58.22	-19.26	35.44	230.05	41.05	100.88	170.23	-87.91
565	6	856	411.32	2.15	-84.44	-60.71	-21.58	38.62	137.88	8.22	77.88	68.22	-64.65
		411	1605.74	13.30	-79.41	-60.66	-5.44	37.24	-60.04	-619.37	-606.94	-72.48	-82.47
		330	1751.45	13.69	-79.78	-60.71	-5.38	37.66	81.49	-603.86	-579.75	57.37	-126.28
		843	721.38	1.71	-84.12	-60.77	-21.64	38.19	269.59	33.56	105.07	198.08	-108.46
565	7	856	391.27	0.94	-90.81	-68.41	-21.46	39.42	131.56	16.24	94.67	53.14	-53.79
		411	1262.10	18.32	-84.47	-68.34	2.19	37.39	-53.88	-484.48	-475.49	-62.88	-61.58
		330	1377.39	18.87	-84.85	-68.26	2.28	38.01	76.69	-462.55	-444.25	58.38	-97.66
		843	635.55	0.35	-90.26	-68.36	-21.55	38.79	243.23	57.08	125.91	174.40	-89.87
565	8	856	305.05	0.66	-72.19	-54.54	-16.99	31.22	101.84	11.77	73.59	40.02	-41.79
		411	970.08	14.98	-67.04	-54.46	2.40	29.56	-41.73	-372.00	-365.26	-48.47	-46.71
		330	1056.11	15.36	-67.67	-54.78	2.47	30.07	59.12	-353.84	-340.13	45.42	-73.97
		843	490.67	0.10	-72.00	-54.84	-17.06	30.71	187.57	45.07	98.72	133.92	-69.04
565	9	856	279.80	0.85	-63.91	-48.06	-15.00	27.84	94.49	11.94	67.28	39.16	-38.80
		411	917.28	12.04	-59.77	-48.06	0.33	26.52	-38.67	-352.41	-345.72	-45.36	-45.34
		330	1002.44	12.51	-59.49	-47.38	0.40	26.93	55.36	-337.59	-324.02	41.79	-71.76
		843	458.50	0.59	-63.14	-47.48	-15.07	27.43	175.49	39.79	88.98	126.30	-65.23
565	10	856	274.45	0.88	-63.77	-48.14	-14.75	27.68	92.57	12.12	66.35	38.34	-37.71
		411	894.08	11.56	-59.89	-48.21	-0.11	26.42	-37.75	-343.28	-336.75	-44.27	-44.18
		330	977.08	12.19	-58.80	-46.57	-0.04	26.81	54.34	-328.87	-315.60	41.07	-70.06
		843	448.64	0.84	-62.39	-46.74	-14.82	27.29	171.71	39.48	87.50	123.68	-63.59
565	11	856	285.78	1.51	-59.78	-43.41	-14.86	27.12	96.47	8.07	57.80	46.74	-43.85
		411	1086.19	9.13	-56.45	-43.41	-3.91	26.17	-41.43	-418.85	-410.42	-49.85	-55.76
		330	1186.91	9.51	-56.23	-42.85	-3.86	26.47	57.29	-407.77	-391.27	40.80	-86.02
		843	497.62	1.34	-59.19	-42.93	-14.91	26.82	187.20	27.14	76.95	137.39	-74.11
566	1	662	231.70	1.69	-20.89	-17.01	-2.19	8.52	76.65	-10.68	32.53	33.44	-43.66
		856	558.70	-10.67	-24.69	-15.15	-20.21	6.53	199.38	-11.63	130.48	57.27	-98.95
		843	717.54	10.86	-22.21	9.19	-20.54	7.23	284.98	51.07	96.11	239.94	-92.23
		299	610.85	14.89	-5.52	11.24	-1.87	7.82	222.20	-7.93	-1.84	216.10	-36.95
566	2	662	226.32	1.53	-20.24	-16.44	-2.26	8.26	74.96	-10.34	31.89	32.72	-42.65
		856	546.07	-10.21	-23.80	-14.65	-19.36	6.37	195.05	-11.09	127.94	56.02	-96.59
		843	701.18	10.44	-21.32	8.80	-19.67	7.03	278.79	50.50	94.50	234.79	-90.05
		299	597.38	14.31	-5.49	10.76	-1.95	7.59	217.45	-7.50	-1.54	211.49	-36.10
566	3	662	225.36	1.56	-20.69	-16.75	-2.37	8.49	74.58	-10.16	31.78	32.64	-42.37
		856	543.29	-10.38	-24.39	-14.94	-19.83	6.57	193.94	-11.01	127.28	55.65	-96.01
		843	697.64	10.47	-21.86	8.75	-20.15	7.24	277.18	50.16	94.03	233.31	-89.64
		299	594.23	14.44	-5.76	10.74	-2.05	7.82	216.25	-7.42	-1.47	210.30	-36.00
566	4	662	218.12	3.09	-17.28	-14.50	0.31	7.00	71.69	-11.81	29.75	30.13	-41.75
		856	526.66	-10.49	-22.52	-12.84	-20.17	4.77	189.05	-10.16	123.91	54.97	-93.45
		843	688.25	10.09	-21.49	9.09	-20.48	5.54	274.90	52.98	92.92	234.96	-85.26
		299	588.08	13.89	-2.31	10.96	0.62	6.23	215.32	-6.44	-1.24	210.12	-33.56
566	5	662	219.64	3.06	-14.33	-11.85	0.58	6.08	72.60	-12.17	29.66	30.77	-42.38

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		856	523.41	-8.77	-19.82	-10.56	-18.03	4.07	188.20	-10.47	123.63	54.10	-93.05
		843	693.43	7.54	-19.17	6.66	-18.29	4.75	277.93	54.05	94.37	237.61	-86.04
		299	597.61	11.01	-2.03	8.14	0.84	5.40	219.97	-5.30	0.40	214.28	-35.36
566	6	662	266.65	5.13	-11.11	-8.88	2.90	5.59	88.47	-16.10	34.35	38.02	-52.25
		856	618.40	-7.34	-21.26	-8.08	-20.52	3.13	222.07	-15.05	145.02	61.99	-111.05
		843	836.99	3.86	-21.37	3.23	-20.74	3.93	335.45	62.64	112.80	285.29	-105.68
		299	728.04	8.52	-1.12	4.27	3.13	4.79	269.53	-6.09	2.12	261.32	-46.87
566	7	662	225.67	1.50	-21.02	-17.15	-2.38	8.50	74.63	-10.21	31.89	32.53	-42.42
		856	546.25	-10.59	-24.51	-15.25	-19.85	6.57	195.02	-11.00	127.84	56.18	-96.58
		843	699.00	11.11	-21.86	9.43	-20.18	7.25	277.66	50.14	93.98	233.82	-89.73
		299	594.21	15.07	-5.62	11.49	-2.05	7.82	215.97	-7.77	-1.96	210.16	-35.58
566	8	662	173.27	0.97	-17.19	-13.97	-2.25	6.94	57.13	-7.74	24.52	24.87	-32.44
		856	420.43	-8.37	-19.74	-12.43	-15.68	5.45	149.70	-8.78	97.55	43.36	-74.46
		843	535.20	9.00	-17.38	7.56	-15.94	5.98	211.93	37.14	70.79	178.28	-68.91
		299	453.16	12.14	-4.90	9.23	-1.99	6.41	164.13	-6.59	-2.25	159.79	-26.88
566	9	662	164.08	1.26	-14.10	-11.46	-1.38	5.79	54.44	-7.53	23.10	23.81	-30.98
		856	395.12	-7.29	-16.86	-10.22	-13.93	4.41	141.36	-7.82	93.12	40.41	-69.78
		843	508.98	7.22	-15.28	6.10	-14.16	4.89	202.73	37.41	69.38	170.76	-65.30
		299	434.68	10.00	-3.68	7.48	-1.15	5.31	158.57	-5.05	-0.64	154.16	-26.50
566	10	662	160.56	1.19	-13.99	-11.32	-1.48	5.78	53.29	-7.24	22.68	23.37	-30.26
		856	386.56	-7.12	-16.70	-10.10	-13.72	4.43	138.34	-7.48	91.35	39.51	-68.15
		843	497.93	7.01	-15.08	5.86	-13.94	4.90	198.40	36.91	68.23	167.07	-63.85
		299	425.45	9.76	-3.81	7.20	-1.26	5.31	155.26	-4.77	-0.43	150.93	-25.97
566	11	662	183.47	3.17	-8.66	-6.95	1.45	4.16	61.01	-10.54	24.11	26.36	-35.75
		856	428.28	-5.55	-14.84	-6.29	-14.10	2.52	153.96	-9.72	101.20	43.04	-76.50
		843	575.34	3.33	-14.80	2.79	-14.27	3.06	230.76	43.85	78.66	195.95	-72.76
		299	499.80	6.37	-1.15	3.61	1.62	3.62	184.87	-4.03	1.56	179.27	-32.01
567	1	843	767.62	4.21	-112.45	-73.73	-34.52	54.94	247.08	-34.14	43.58	169.36	-125.76
		330	1471.37	-11.51	-124.08	-68.73	-66.86	56.28	223.88	-392.04	-334.13	165.97	-179.76
		486	1309.19	55.63	-93.67	29.34	-67.37	56.87	52.17	-436.03	-396.54	12.69	-133.11
		858	444.71	64.53	-63.98	34.56	-34.01	54.35	79.63	-82.39	-18.83	16.08	-79.11
567	2	843	749.71	3.91	-109.19	-71.94	-33.34	53.15	242.36	-31.99	43.52	166.85	-122.53
		330	1438.57	-12.05	-121.06	-67.03	-66.08	54.50	219.84	-382.49	-326.01	163.36	-175.58
		486	1279.12	54.50	-91.67	29.42	-66.58	55.11	50.33	-426.25	-387.59	11.66	-130.12
		858	432.40	63.28	-61.57	34.55	-32.85	52.55	77.38	-80.29	-18.07	15.16	-77.07
567	3	843	748.58	4.33	-111.18	-72.26	-34.59	54.59	241.26	-31.92	43.56	165.78	-122.16
		330	1427.28	-10.80	-122.62	-67.32	-66.11	55.90	218.40	-378.77	-322.69	162.31	-174.20
		486	1269.76	55.80	-92.67	29.74	-66.62	56.48	52.30	-421.11	-382.75	13.94	-129.18
		858	435.01	64.50	-63.68	34.90	-34.08	54.02	79.43	-78.52	-16.50	17.41	-77.14
567	4	843	743.00	6.10	-109.58	-66.40	-37.08	55.95	232.99	-41.76	28.84	162.39	-120.05
		330	1478.42	-6.39	-120.62	-62.14	-64.87	57.10	219.65	-397.41	-340.08	162.32	-179.13
		486	1320.46	50.18	-94.04	21.44	-65.30	57.61	43.16	-447.73	-410.70	6.13	-129.63
		858	418.97	58.28	-69.03	25.89	-36.64	55.44	56.73	-92.31	-41.78	6.20	-70.56
567	5	843	755.78	7.04	-102.40	-61.75	-33.61	52.88	236.77	-46.36	23.45	166.96	-122.03
		330	1506.09	-8.01	-116.88	-57.61	-67.28	54.22	221.73	-406.59	-350.60	165.74	-179.01
		486	1339.16	49.84	-93.31	24.21	-67.68	54.89	41.32	-455.64	-418.77	4.45	-130.25
		858	429.68	58.36	-62.98	28.59	-33.20	52.21	57.95	-97.00	-44.72	5.67	-73.27
567	6	843	931.09	14.20	-111.58	-63.71	-33.68	61.07	280.13	-78.18	9.85	192.09	-154.25
		330	1815.61	-4.46	-130.93	-59.46	-75.92	62.69	255.60	-499.79	-434.80	190.61	-211.83
		486	1596.86	55.65	-106.95	25.01	-76.31	63.58	50.30	-544.52	-501.18	6.96	-154.60
		858	553.71	66.02	-69.76	29.55	-33.29	60.19	78.27	-126.36	-56.53	8.44	-97.02
567	7	843	745.87	3.57	-110.94	-73.14	-34.24	53.85	241.30	-30.56	45.00	165.73	-121.79
		330	1430.32	-11.68	-122.02	-68.19	-65.51	55.15	219.21	-379.75	-323.00	162.46	-175.41
		486	1273.56	54.56	-91.77	28.81	-66.02	55.72	50.74	-423.94	-385.27	12.07	-129.85
		858	429.19	63.25	-63.00	33.97	-33.73	53.28	77.00	-78.92	-17.26	15.34	-76.24
567	8	843	568.92	2.74	-87.60	-58.62	-26.23	42.17	184.17	-22.32	35.80	126.05	-92.86
		330	1089.56	-8.90	-95.36	-54.68	-49.57	43.15	166.75	-289.76	-246.53	123.52	-133.66
		486	971.71	42.91	-70.41	22.49	-49.98	43.56	39.30	-322.82	-293.51	9.99	-98.76
		858	327.16	49.68	-48.92	26.59	-25.82	41.75	59.83	-58.49	-11.17	12.51	-57.96
567	9	843	546.24	3.09	-78.26	-50.75	-24.43	38.49	176.17	-24.12	30.80	121.25	-89.35
		330	1045.02	-8.29	-87.22	-47.27	-48.24	39.46	159.87	-277.40	-236.31	118.78	-127.60
		486	927.82	39.18	-66.74	21.03	-48.59	39.91	36.82	-309.03	-280.81	8.60	-94.68
		858	316.34	45.48	-44.88	24.67	-24.08	38.04	56.46	-59.09	-13.70	11.07	-56.43
567	10	843	535.66	3.16	-77.56	-49.93	-24.46	38.29	172.94	-22.89	30.79	119.26	-87.35
		330	1020.53	-7.90	-86.41	-46.49	-47.82	39.25	156.83	-270.03	-229.95	116.75	-124.51
		486	905.92	39.27	-66.19	21.25	-48.17	39.69	36.89	-300.75	-273.15	9.30	-92.50
		858	310.94	45.46	-44.72	24.86	-24.12	37.86	56.35	-56.95	-12.41	11.81	-55.34
567	11	843	636.49	8.65	-77.79	-45.18	-23.96	41.89	194.51	-48.57	12.06	133.88	-105.18
		330	1236.03	-4.31	-91.09	-42.13	-53.27	43.03	177.48	-337.25	-292.23	132.47	-145.41
		486	1087.51	39.16	-74.09	18.63	-53.56	43.64	35.76	-369.28	-338.94	5.42	-106.62
		858	376.52	46.26	-48.05	21.89	-23.68	41.28	55.64	-83.46	-34.65	6.83	-66.39
568	1	299	546.89	7.49	-16.85	6.93	-16.29	3.65	214.61	32.88	36.34	211.15	-24.85

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		843	546.69	7.66	-38.84	7.49	-38.68	2.74	214.44	45.85	59.27	201.02	-45.64
		858	307.01	-6.89	-38.79	-7.03	-38.66	2.07	79.98	-48.44	8.24	23.29	-63.77
		664	236.93	-4.64	-17.91	-6.24	-16.31	4.32	58.62	-39.89	-14.69	33.42	-42.98
568	2	299	536.62	7.17	-16.62	6.61	-16.06	3.61	210.57	32.24	35.58	207.24	-24.16
		843	535.65	7.31	-37.55	7.14	-37.38	2.74	210.55	45.92	58.90	197.56	-44.38
		858	297.92	-6.40	-37.50	-6.55	-37.36	2.11	77.98	-46.59	9.06	22.34	-61.93
		664	229.58	-4.28	-17.61	-5.81	-16.08	4.24	56.57	-38.83	-14.27	32.01	-41.71
568	3	299	535.37	7.08	-17.73	6.41	-17.06	4.02	209.80	32.18	35.51	206.47	-24.12
		843	534.82	7.12	-39.10	6.91	-38.88	3.14	209.77	45.67	58.69	196.75	-44.34
		858	299.77	-5.96	-39.04	-6.15	-38.85	2.49	79.03	-45.73	9.13	24.17	-61.93
		664	232.70	-3.79	-18.73	-5.43	-17.09	4.68	58.02	-38.18	-14.05	33.88	-41.70
568	4	299	513.41	6.83	-8.54	6.17	-7.88	3.12	204.29	33.34	35.83	201.81	-20.45
		843	531.70	6.81	-41.31	6.75	-41.25	1.78	207.75	44.30	56.40	195.66	-42.78
		858	263.50	-9.33	-41.20	-9.35	-41.18	0.77	63.08	-48.58	2.36	12.15	-55.61
		664	179.48	-4.06	-12.33	-8.44	-7.95	4.12	38.01	-37.92	-18.21	18.30	-33.28
568	5	299	532.47	4.89	-10.58	3.62	-9.31	4.24	211.58	34.10	36.69	208.98	-21.30
		843	548.08	4.17	-38.21	3.94	-37.98	3.10	215.69	47.24	59.88	203.05	-44.38
		858	272.42	-5.91	-38.05	-6.06	-37.90	2.22	65.26	-49.80	3.87	11.58	-57.40
		664	186.17	-1.95	-12.91	-5.46	-9.39	5.11	38.04	-39.84	-19.32	17.52	-34.31
568	6	299	653.27	2.68	-18.95	-0.95	-15.32	8.08	258.90	42.15	46.16	254.89	-29.21
		843	668.51	0.24	-40.99	-1.03	-39.71	7.14	262.91	53.06	71.60	244.37	-59.56
		858	379.32	-1.03	-40.66	-2.08	-39.60	6.37	86.61	-72.81	2.14e-04	13.80	-79.41
		664	266.75	2.46	-19.81	-1.92	-15.43	8.85	54.45	-55.57	-25.44	24.32	-49.06
568	7	299	531.42	7.75	-16.20	7.28	-15.73	3.32	208.55	31.98	35.27	205.25	-23.90
		843	531.05	8.00	-38.33	7.87	-38.21	2.40	208.37	45.18	57.97	195.58	-43.86
		858	294.92	-7.27	-38.29	-7.37	-38.19	1.73	77.33	-46.02	8.75	22.57	-61.29
		664	227.51	-5.06	-17.23	-6.55	-15.75	3.98	56.48	-38.20	-13.95	32.24	-41.32
568	8	299	404.17	6.36	-14.03	6.02	-13.70	2.60	157.88	23.66	26.26	155.29	-18.48
		843	400.77	6.63	-29.41	6.52	-29.31	1.96	156.80	33.28	42.78	147.30	-32.91
		858	226.38	-5.68	-29.40	-5.78	-29.31	1.50	59.90	-34.46	6.78	18.67	-46.80
		664	179.37	-4.15	-14.68	-5.13	-13.70	3.06	45.59	-28.68	-9.74	26.66	-32.37
568	9	299	391.41	4.88	-11.59	4.40	-11.11	2.76	153.93	23.96	26.36	151.53	-17.51
		843	392.43	4.89	-27.56	4.75	-27.43	2.10	154.41	34.07	43.77	144.72	-32.75
		858	217.87	-4.40	-27.52	-4.51	-27.40	1.61	56.74	-34.41	6.55	15.78	-45.34
		664	165.63	-2.74	-12.39	-4.00	-11.13	3.25	40.30	-28.56	-10.85	22.59	-30.10
568	10	299	385.00	4.66	-12.08	4.11	-11.54	2.97	151.26	23.57	25.90	148.93	-17.10
		843	385.85	4.59	-27.71	4.42	-27.54	2.32	151.82	33.98	43.44	142.35	-32.03
		858	213.83	-3.88	-27.66	-4.02	-27.51	1.84	56.21	-32.90	7.04	16.27	-44.32
		664	163.25	-2.27	-12.84	-3.55	-11.56	3.45	39.97	-27.61	-10.50	22.85	-29.39
568	11	299	450.50	2.17	-12.72	0.03	-10.57	5.22	178.54	29.11	31.82	175.83	-19.93
		843	460.09	0.73	-28.72	0.01	-28.00	4.54	181.34	38.08	50.62	168.80	-40.48
		858	257.92	-1.17	-28.53	-1.76	-27.93	4.00	60.44	-47.96	1.97	10.51	-54.03
		664	182.18	1.20	-13.45	-1.60	-10.65	5.77	37.98	-37.27	-16.83	17.54	-33.48
569	1	858	359.59	28.87	-71.08	22.73	-64.94	24.00	58.80	-76.05	-36.97	19.72	-61.18
		486	1052.28	30.02	-161.01	24.31	-155.29	32.54	-0.29	-365.71	-359.27	-6.72	-48.06
		86	1078.95	-10.28	-162.02	-16.38	-155.91	29.82	119.22	-303.78	-300.66	116.11	-36.18
		844	471.07	-2.51	-75.87	-14.06	-64.32	26.72	160.10	4.09	21.64	142.54	-49.30
569	2	858	342.79	28.44	-66.79	23.40	-61.75	21.31	56.70	-72.43	-34.57	18.84	-58.78
		486	1028.80	29.71	-155.61	24.82	-150.72	29.71	-2.13	-358.74	-352.61	-8.26	-46.33
		86	1057.47	-7.27	-156.39	-12.35	-151.31	27.04	115.04	-298.76	-295.65	111.93	-35.75
		844	457.22	-0.69	-70.67	-10.20	-61.16	23.98	156.37	5.05	22.40	139.03	-48.20
569	3	858	347.66	28.83	-68.52	23.55	-63.24	22.05	59.01	-71.64	-33.79	21.16	-59.27
		486	1020.35	29.95	-159.96	24.85	-154.86	30.69	0.64	-353.28	-347.14	-5.50	-46.20
		86	1054.79	-4.74	-160.63	-9.92	-155.45	27.95	119.46	-292.58	-289.44	116.32	-35.80
		844	468.22	1.68	-72.21	-7.87	-62.65	24.79	160.47	6.42	23.91	142.98	-48.87
569	4	858	345.91	27.46	-93.06	11.13	-76.73	41.25	40.45	-79.23	-53.00	14.23	-49.50
		486	1104.59	27.45	-168.20	14.41	-155.16	48.80	2.41	-384.51	-378.03	-4.08	-49.67
		86	1121.28	-42.83	-174.90	-61.80	-155.93	46.32	105.56	-341.90	-340.29	103.95	-26.81
		844	415.68	-22.25	-111.57	-57.87	-75.95	43.73	127.24	-20.24	-15.26	122.26	-26.64
569	5	858	324.51	26.53	-76.36	16.82	-66.66	30.08	37.58	-77.64	-52.09	12.02	-47.86
		486	1120.52	27.46	-150.08	19.26	-141.88	37.27	-6.85	-397.68	-391.65	-12.88	-48.17
		86	1135.73	-28.14	-153.20	-38.81	-142.54	34.93	90.46	-356.27	-354.10	88.29	-31.03
		844	396.46	-15.10	-86.64	-35.75	-66.00	32.41	120.21	-21.55	-14.54	113.20	-30.73
569	6	858	421.50	30.71	-85.48	19.32	-74.09	34.54	46.31	-107.03	-69.66	8.94	-65.83
		486	1312.96	31.30	-143.95	21.48	-134.13	40.30	-16.43	-475.21	-467.66	-23.98	-58.36
		86	1288.35	-16.89	-147.21	-29.42	-134.68	38.42	84.00	-418.15	-414.40	80.25	-43.24
		844	457.34	-6.87	-93.43	-26.76	-73.54	36.42	130.66	-33.89	-16.40	113.17	-50.71
569	7	858	347.42	28.26	-70.26	22.10	-64.10	23.86	57.38	-72.50	-34.64	19.52	-59.02
		486	1024.39	29.42	-159.88	23.71	-154.17	32.38	0.23	-355.22	-348.99	-6.00	-46.64
		86	1054.88	-11.51	-160.93	-17.65	-154.79	29.67	118.82	-295.06	-292.13	115.89	-34.70
		844	461.72	-3.52	-75.26	-15.30	-63.48	26.58	157.77	5.87	22.22	141.41	-47.09
569	8	858	267.40	22.10	-54.00	17.45	-49.35	18.21	45.92	-54.22	-24.33	16.04	-45.82

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		486	780.41	22.84	-124.27	18.50	-119.93	24.87	-0.20	-270.38	-265.81	-4.77	-34.84
		86	807.88	-4.93	-124.88	-9.41	-120.40	22.75	94.17	-221.95	-219.59	91.81	-27.21
		844	365.60	0.57	-57.24	-7.78	-48.89	20.33	126.56	7.95	21.89	112.62	-38.19
569	9	858	250.44	20.47	-49.08	16.59	-45.21	15.95	40.73	-53.41	-26.11	13.43	-42.72
		486	745.67	21.40	-112.37	17.69	-108.66	21.95	-0.83	-259.70	-255.12	-5.41	-34.12
		86	764.62	-6.83	-113.02	-10.75	-109.10	20.04	82.59	-216.97	-214.76	80.38	-25.67
		844	328.12	-1.72	-52.19	-9.13	-44.77	17.87	111.32	2.15	14.25	99.21	-34.28
569	10	858	243.80	20.47	-47.68	17.05	-44.26	14.87	40.84	-50.96	-24.35	14.23	-41.65
		486	727.92	21.37	-111.80	17.99	-108.42	20.92	-0.32	-252.80	-248.38	-4.73	-33.08
		86	751.15	-3.73	-112.27	-7.16	-108.84	19.00	82.72	-210.75	-208.52	80.50	-25.46
		844	326.54	0.65	-50.18	-5.69	-43.85	16.79	111.52	3.44	15.51	99.46	-34.03
569	11	858	284.56	21.34	-56.93	14.70	-50.29	21.81	33.74	-70.58	-44.28	7.44	-45.30
		486	890.40	21.93	-102.71	16.12	-96.91	26.26	-9.80	-320.53	-315.34	-15.00	-39.83
		86	880.36	-10.87	-104.43	-18.00	-97.30	24.82	63.03	-280.51	-277.95	60.46	-29.59
		844	319.84	-4.32	-61.76	-16.18	-49.89	23.25	94.96	-18.95	-6.88	82.90	-35.06
570	1	664	359.30	-3.93	-37.02	-5.94	-35.01	7.90	72.89	-77.34	-15.55	11.10	-73.93
		858	366.06	-5.00	-71.30	-5.22	-71.08	3.78	90.45	-60.39	3.98	26.08	-74.61
		844	588.78	12.69	-71.72	12.38	-71.42	5.10	205.40	5.01	22.66	187.76	-56.78
		309	552.78	14.42	-35.56	13.54	-34.67	6.58	189.65	-13.74	3.13	172.77	-56.10
570	2	664	350.12	-3.91	-35.06	-5.58	-33.39	7.02	70.71	-76.13	-15.04	9.62	-72.37
		858	355.35	-4.71	-67.74	-4.86	-67.58	3.10	87.90	-59.19	4.67	24.04	-72.91
		844	574.85	12.68	-68.14	12.45	-67.90	4.36	201.59	5.96	23.49	184.05	-55.88
		309	541.64	14.28	-33.77	13.57	-33.07	5.76	186.41	-12.99	3.78	169.63	-55.35
570	3	664	350.27	-3.84	-36.68	-5.32	-35.20	6.82	72.27	-74.42	-14.87	12.72	-72.04
		858	357.17	-4.48	-69.45	-4.61	-69.32	2.92	89.76	-57.40	5.13	27.23	-72.74
		844	582.01	12.81	-69.85	12.60	-69.64	4.17	204.11	6.48	23.65	186.94	-55.66
		309	548.46	14.35	-35.51	13.72	-34.88	5.57	188.75	-12.67	3.65	172.43	-54.96
570	4	664	319.68	-0.31	-44.76	-6.80	-38.27	15.70	51.12	-78.27	-19.54	-7.62	-64.42
		858	313.73	-5.01	-85.08	-6.42	-83.67	10.55	67.61	-58.37	-2.16	11.40	-62.63
		844	528.57	7.20	-85.64	5.58	-84.02	12.17	181.81	11.55	20.76	172.60	-38.50
		309	477.54	10.59	-42.00	6.50	-37.92	14.08	163.72	-6.75	3.38	153.59	-40.30
570	5	664	327.59	-0.82	-40.20	-4.63	-36.39	11.64	51.85	-83.01	-19.45	-11.71	-67.32
		858	311.43	-3.44	-73.54	-4.25	-72.73	7.51	65.42	-63.12	-2.31	4.62	-64.18
		844	518.67	7.64	-73.98	6.67	-73.02	8.82	181.36	11.61	23.66	169.31	-43.58
		309	483.03	9.81	-38.42	7.48	-36.09	10.34	166.62	-7.12	6.52	152.98	-46.73
570	6	664	424.33	-0.09	-55.98	-2.96	-53.10	12.35	70.49	-105.50	-23.05	-11.97	-87.82
		858	400.08	-1.55	-82.35	-2.60	-81.30	9.14	79.69	-86.42	-8.81	2.09	-82.88
		844	603.01	8.44	-82.68	7.29	-81.53	10.16	205.63	-0.66	22.18	182.80	-64.73
		309	583.20	10.03	-54.91	7.99	-52.86	11.33	194.72	-18.04	7.95	168.74	-69.67
570	7	664	347.80	-4.00	-35.85	-6.12	-33.73	7.94	70.50	-74.82	-15.02	10.70	-71.51
		858	355.62	-5.18	-70.35	-5.40	-70.13	3.78	88.42	-57.88	4.76	25.78	-72.39
		844	576.69	12.57	-70.78	12.26	-70.46	5.11	201.59	6.19	22.80	184.98	-54.50
		309	539.90	14.33	-34.31	13.42	-33.39	6.61	185.63	-12.72	3.02	169.89	-53.61
570	8	664	268.58	-3.63	-28.40	-5.03	-27.00	5.72	56.08	-56.14	-11.05	10.99	-55.02
		858	277.57	-4.27	-54.28	-4.40	-54.14	2.61	70.24	-43.70	4.21	22.33	-56.24
		844	451.60	10.70	-54.61	10.50	-54.41	3.60	157.56	3.88	16.99	144.46	-42.92
		309	423.49	12.03	-27.32	11.45	-26.74	4.72	145.23	-10.39	1.73	133.11	-41.70
570	9	664	254.13	-2.49	-25.77	-3.78	-24.48	5.32	50.77	-55.70	-11.10	6.17	-52.53
		858	256.62	-3.17	-49.56	-3.31	-49.43	2.47	63.04	-43.15	3.18	16.70	-52.66
		844	413.70	8.64	-49.85	8.44	-49.66	3.38	145.10	4.69	17.31	132.47	-40.17
		309	389.82	9.79	-24.82	9.22	-24.25	4.41	134.16	-9.19	3.04	121.94	-40.04
570	10	664	249.05	-2.43	-25.59	-3.44	-24.59	4.72	50.42	-54.07	-10.72	7.07	-51.48
		858	251.64	-2.88	-48.54	-2.97	-48.45	1.99	62.65	-41.49	3.82	17.34	-51.63
		844	409.95	8.70	-48.81	8.56	-48.67	2.86	144.38	5.50	17.87	132.02	-39.55
		309	387.40	9.75	-24.80	9.32	-24.37	3.85	133.66	-8.59	3.33	121.75	-39.41
570	11	664	290.35	-0.35	-36.31	-2.13	-34.53	7.79	49.45	-71.36	-15.26	-6.64	-60.25
		858	275.50	-1.30	-55.66	-1.85	-55.10	5.45	57.10	-57.65	-3.93	3.37	-57.26
		844	421.52	6.23	-55.90	5.61	-55.28	6.19	145.22	1.54	17.05	129.72	-44.58
		309	406.54	7.33	-35.55	6.13	-34.36	7.05	136.95	-11.54	5.71	119.70	-47.58
571	1	844	534.99	-9.31	-61.92	-12.78	-58.46	-13.05	188.46	-10.41	21.83	156.22	-73.30
		86	1127.06	-10.25	-111.35	-11.49	-110.10	-11.14	168.23	-297.37	-267.81	138.67	-113.53
		491	981.13	15.74	-110.83	14.98	-110.07	-9.75	20.34	-343.07	-317.00	-5.74	-93.78
		859	270.41	19.37	-61.17	16.69	-58.49	-14.45	49.25	-64.79	-27.36	11.82	-53.55
571	2	844	517.47	-2.14	-59.46	-8.99	-52.62	-18.59	185.60	-7.70	23.83	154.08	-71.41
		86	1109.51	-5.12	-108.12	-7.88	-105.35	-16.66	165.27	-294.17	-264.23	135.32	-113.41
		491	969.83	17.54	-107.18	15.65	-105.30	-15.22	15.08	-343.59	-316.38	-12.14	-94.98
		859	273.90	22.53	-58.00	17.20	-52.67	-20.03	44.93	-66.64	-28.32	6.62	-52.98
571	3	844	523.69	0.87	-61.74	-6.78	-54.09	-20.50	188.86	-5.60	25.21	158.05	-71.01
		86	1106.81	-2.58	-113.55	-5.73	-110.39	-18.44	169.51	-288.30	-258.36	139.57	-113.19
		491	963.57	19.24	-112.52	17.04	-110.32	-16.90	18.75	-338.54	-311.18	-8.61	-95.00
		859	275.41	24.71	-60.33	18.55	-54.16	-22.04	47.19	-64.92	-27.61	9.87	-52.83
571	4	844	549.79	-17.66	-136.49	-54.36	-99.79	54.90	157.91	-34.29	-12.22	135.84	-61.27

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		86	1161.79	-16.21	-137.04	-51.86	-101.39	55.11	148.19	-325.95	-307.76	130.00	-91.07
		491	996.45	17.19	-127.16	-8.28	-101.69	55.02	9.73	-350.50	-340.56	-0.22	-59.02
		859	262.58	19.62	-124.88	-5.77	-99.49	54.99	18.97	-58.36	-45.01	5.62	-29.22
571	5	844	524.80	-20.38	-89.26	-32.75	-76.89	26.44	158.48	-34.08	-8.12	132.53	-65.75
		86	1190.20	-19.90	-94.97	-31.13	-83.73	26.78	141.15	-346.42	-323.43	118.16	-103.33
		491	1045.40	5.60	-91.98	-2.48	-83.90	26.89	-9.93	-384.15	-367.45	-26.63	-77.26
		859	260.27	7.44	-84.96	-0.80	-76.72	26.34	12.20	-76.61	-52.15	-12.26	-39.68
571	6	844	632.69	-13.70	-96.81	-25.12	-85.39	28.61	175.23	-66.69	-18.75	127.28	-96.43
		86	1329.82	-10.98	-87.39	-23.56	-74.81	28.34	137.15	-403.54	-372.71	106.33	-125.37
		491	1183.92	11.74	-84.05	2.74	-75.05	27.95	9.53	-425.13	-399.60	-16.00	-102.20
		859	409.17	12.80	-93.74	4.22	-85.16	29.00	57.18	-97.85	-45.63	4.96	-73.27
571	7	844	523.32	-10.83	-61.13	-13.98	-57.98	-12.18	185.54	-7.17	23.03	155.33	-70.06
		86	1104.14	-11.59	-111.01	-12.66	-109.94	-10.26	167.16	-288.97	-260.40	138.59	-110.53
		491	958.79	15.00	-110.54	14.37	-109.92	-8.86	19.02	-335.33	-310.37	-5.93	-90.66
		859	253.96	18.52	-60.42	16.11	-58.01	-13.59	45.56	-61.69	-26.94	10.81	-50.19
571	8	844	399.24	-0.81	-47.77	-7.15	-41.43	-16.05	145.74	-1.01	22.09	122.64	-53.45
		86	845.68	-3.75	-88.99	-6.25	-86.49	-14.40	131.98	-218.21	-195.07	108.84	-86.99
		491	736.11	14.72	-88.15	13.01	-86.44	-13.17	14.73	-258.17	-237.24	-6.19	-72.62
		859	204.54	19.20	-46.40	14.28	-41.48	-17.28	35.22	-47.69	-20.08	7.61	-39.07
571	9	844	378.94	-5.51	-43.30	-8.13	-40.68	-9.60	133.34	-8.06	15.13	110.15	-52.35
		86	801.70	-6.28	-77.15	-7.26	-76.16	-8.29	118.30	-212.99	-191.92	97.23	-80.85
		491	698.71	11.35	-76.76	10.74	-76.14	-7.33	12.90	-245.62	-226.82	-5.91	-67.14
		859	195.09	13.94	-42.74	11.90	-40.70	-10.56	34.52	-47.28	-19.77	7.01	-38.64
571	10	844	372.58	0.12	-43.17	-4.80	-38.25	-13.73	133.56	-5.38	17.01	111.17	-51.08
		86	790.41	-2.01	-78.37	-4.06	-76.32	-12.34	119.01	-207.96	-186.67	97.73	-80.66
		491	688.98	13.30	-77.70	11.88	-76.28	-11.30	12.02	-243.11	-223.58	-7.51	-67.82
		859	197.89	16.89	-42.26	12.93	-38.30	-14.78	33.38	-47.35	-19.90	5.93	-38.24
571	11	844	431.53	-10.88	-59.75	-14.99	-55.64	13.55	125.96	-39.29	-7.41	94.08	-65.21
		86	913.66	-9.97	-60.56	-13.96	-56.56	13.65	101.03	-271.97	-250.20	79.26	-87.43
		491	811.43	6.85	-59.60	3.93	-56.68	13.62	6.84	-291.16	-272.71	-11.61	-71.82
		859	269.59	7.88	-58.43	4.97	-55.52	13.58	38.93	-65.65	-29.92	3.20	-49.60
572	1	309	505.84	15.61	-51.57	13.22	-49.17	-12.45	174.34	-6.73	-1.08	168.70	-31.46
		844	490.20	16.89	-55.69	14.59	-53.38	-12.73	181.18	21.97	27.63	175.52	-29.49
		859	131.73	-8.88	-57.19	-12.54	-53.53	-12.79	40.69	-8.87	14.48	17.34	-24.74
		665	144.32	-7.42	-52.72	-11.12	-49.03	-12.40	27.58	-31.30	-14.24	10.52	-26.71
572	2	309	492.87	17.23	-45.70	13.95	-42.42	-13.99	171.57	-6.00	-0.46	166.03	-30.87
		844	476.76	18.54	-49.83	15.41	-46.71	-14.28	178.36	23.16	28.86	172.66	-29.20
		859	134.51	-8.29	-52.19	-13.61	-46.87	-14.34	38.78	-10.90	15.10	12.77	-24.81
		665	144.48	-6.64	-47.71	-12.09	-42.26	-13.94	24.34	-32.41	-14.22	6.14	-26.48
572	3	309	500.83	17.87	-46.37	14.27	-42.76	-14.79	174.46	-6.00	-0.61	169.06	-30.74
		844	484.98	19.17	-51.29	15.76	-47.88	-15.12	181.32	23.58	29.08	175.82	-28.93
		859	133.40	-8.08	-53.82	-13.85	-48.04	-15.20	40.56	-8.30	15.63	16.63	-24.42
		665	145.17	-6.33	-48.57	-12.30	-42.60	-14.71	26.74	-30.92	-14.05	9.88	-26.23
572	4	309	476.70	-0.44	-117.32	-1.91	-115.85	13.01	148.25	-2.47	-0.99	146.76	-14.88
		844	467.00	-0.56	-108.24	-2.27	-106.53	13.43	158.41	22.74	23.97	157.18	-12.85
		859	88.56	7.50	-108.19	5.85	-106.54	13.73	11.69	0.47	10.83	1.33	-2.99
		665	90.16	6.70	-117.17	5.38	-115.85	12.72	-6.00	-17.22	-14.13	-9.09	-5.01
572	5	309	465.45	2.97	-88.06	2.83	-87.91	3.66	152.04	-0.75	1.94	149.35	-20.06
		844	453.60	3.24	-79.54	3.04	-79.35	4.01	161.77	26.22	29.43	158.56	-20.60
		859	121.78	0.17	-79.65	-0.06	-79.42	4.31	15.96	-20.11	10.54	-14.69	-12.89
		665	119.56	0.18	-87.96	0.05	-87.84	3.36	-7.60	-33.25	-16.95	-23.90	-12.35
572	6	309	550.49	4.85	-105.60	4.85	-105.59	0.72	178.63	-4.84	4.15	169.65	-39.60
		844	537.12	5.21	-88.81	5.19	-88.79	1.41	188.62	17.13	29.64	176.11	-44.60
		859	198.30	0.70	-88.96	0.65	-88.92	2.00	40.67	-40.57	3.08	-2.98	-40.51
		665	187.98	0.80	-105.46	0.80	-105.46	0.12	20.17	-52.02	-22.41	-9.45	-35.51
572	7	309	495.10	15.15	-50.71	12.92	-48.47	-11.92	170.59	-6.24	-1.19	165.54	-29.44
		844	479.79	16.41	-55.16	14.26	-53.01	-12.21	177.45	22.67	27.58	172.54	-27.12
		859	119.92	-8.96	-56.57	-12.38	-53.16	-12.28	38.06	-6.21	15.23	16.63	-22.13
		665	132.95	-7.54	-51.77	-10.98	-48.33	-11.85	25.10	-29.01	-13.54	9.63	-24.45
572	8	309	383.14	14.91	-36.35	11.97	-33.41	-11.92	132.63	-5.68	-1.58	128.53	-23.46
		844	368.43	16.05	-39.19	13.23	-36.38	-12.14	136.99	16.56	20.30	133.25	-20.90
		859	98.54	-6.72	-41.48	-11.68	-36.52	-12.16	30.99	-4.67	12.09	14.23	-17.79
		665	113.19	-5.31	-38.33	-10.38	-33.27	-11.90	22.39	-22.66	-9.80	9.52	-20.35
572	9	309	358.23	10.73	-35.45	9.02	-33.73	-8.73	124.21	-3.92	0.06	120.23	-22.21
		844	348.19	11.59	-38.76	9.95	-37.12	-8.94	129.62	17.15	21.41	125.35	-21.49
		859	95.96	-5.98	-39.81	-8.57	-37.22	-9.00	28.45	-7.51	10.77	10.17	-17.98
		665	100.89	-4.97	-36.26	-7.60	-33.63	-8.67	17.50	-23.04	-10.59	5.05	-18.70
572	10	309	355.44	11.99	-32.55	9.60	-30.17	-10.03	124.27	-3.51	0.32	120.44	-21.81
		844	345.29	12.85	-36.32	10.61	-34.07	-10.27	129.70	18.04	22.22	125.52	-21.18
		859	96.86	-5.57	-37.91	-9.30	-34.17	-10.34	28.41	-7.23	11.41	9.78	-17.80
		665	101.29	-4.39	-33.93	-8.26	-30.06	-9.96	17.04	-22.83	-10.49	4.70	-18.43
572	11	309	382.85	4.40	-65.11	4.37	-65.08	-1.41	126.54	-2.82	2.96	120.76	-26.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		844	373.97	4.75	-56.81	4.73	-56.80	-1.09	133.71	14.50	22.53	125.68	-29.89
		859	133.11	-1.23	-56.89	-1.24	-56.88	-0.78	28.54	-25.22	4.44	-1.12	-26.74
		665	122.79	-0.93	-65.03	-0.98	-64.99	-1.72	13.43	-34.60	-15.13	-6.04	-23.58
573	1	859	123.15	27.01	-55.74	18.91	-47.64	-24.59	14.91	-31.33	-21.04	4.62	-19.23
		491	831.76	30.48	-51.49	22.11	-43.13	-24.81	-25.49	-314.52	-313.27	-26.74	-18.96
		118	815.94	-17.47	-67.27	-41.23	-43.50	-24.88	34.63	-281.92	-281.09	33.80	-16.15
		845	190.06	-17.71	-67.62	-38.07	-47.26	-24.53	69.76	6.54	11.14	65.16	-16.42
573	2	859	123.26	32.64	-50.94	19.62	-37.92	-30.31	10.78	-30.33	-19.61	0.06	-18.05
		491	828.05	35.70	-48.92	22.99	-36.21	-30.23	-30.89	-316.40	-314.99	-32.31	-20.07
		118	823.29	-9.64	-70.86	-43.88	-36.62	-30.40	26.23	-287.28	-286.26	25.22	-17.80
		845	168.76	-8.83	-69.20	-40.52	-37.51	-30.14	62.27	4.42	9.11	57.58	-15.79
573	3	859	126.39	37.16	-52.81	21.25	-36.90	-34.33	13.67	-28.24	-17.95	3.38	-18.04
		491	823.20	39.19	-53.91	24.61	-39.32	-33.84	-27.43	-312.46	-310.92	-28.97	-20.90
		118	817.80	-6.94	-75.26	-42.44	-39.75	-34.14	27.34	-285.06	-283.91	26.19	-18.87
		845	174.50	-3.69	-71.82	-39.05	-36.46	-34.04	63.27	4.33	9.06	58.54	-16.01
573	4	859	178.46	23.71	-172.90	-2.98	-146.21	67.35	-2.32	-42.41	-41.49	-3.24	6.02
		491	864.20	42.56	-72.53	-0.51	-29.46	55.70	-30.22	-336.23	-335.38	-31.07	16.13
		118	854.38	25.08	-93.83	-39.60	-29.15	59.22	38.72	-289.46	-287.91	37.18	22.46
		845	253.42	-8.70	-176.08	-38.26	-146.52	63.82	67.49	3.50	5.98	65.01	12.35
573	5	859	128.46	13.35	-112.55	2.59	-101.79	35.20	-20.38	-43.00	-42.94	-20.44	1.12
		491	922.00	25.47	-28.83	5.89	-9.25	26.07	-53.25	-366.88	-366.86	-53.27	2.51
		118	925.01	5.29	-66.44	-51.99	-9.17	28.78	6.79	-330.91	-330.73	6.61	7.83
		845	166.33	-34.01	-117.43	-49.57	-101.87	32.50	40.32	-7.69	-6.81	39.44	6.44
573	6	859	248.51	13.17	-114.54	5.98	-107.35	29.45	5.90	-69.34	-55.53	-7.91	-29.13
		491	988.80	17.08	-54.11	8.36	-45.39	23.34	-38.37	-380.51	-379.48	-39.40	-18.74
		118	942.78	-13.75	-65.36	-33.76	-45.36	25.14	44.19	-328.03	-327.61	43.76	-12.61
		845	300.32	-22.92	-116.43	-31.97	-107.38	27.64	81.47	-9.87	-3.65	75.25	-23.00
573	7	859	108.55	25.55	-55.31	18.35	-48.11	-23.03	12.76	-27.85	-19.28	4.20	-16.56
		491	816.31	29.37	-49.06	21.56	-41.25	-23.49	-25.95	-309.12	-308.12	-26.95	-16.81
		118	802.86	-18.17	-65.13	-41.68	-41.61	-23.48	32.89	-277.77	-277.12	32.25	-14.17
		845	183.24	-19.64	-66.64	-38.54	-47.74	-23.04	66.90	8.20	11.71	63.39	-13.92
573	8	859	96.13	28.16	-41.00	16.17	-29.01	-26.18	11.56	-19.95	-11.57	3.17	-13.92
		491	629.46	29.92	-41.49	18.85	-30.42	-25.84	-21.02	-238.86	-237.73	-22.15	-15.61
		118	625.45	-6.59	-58.86	-34.68	-30.76	-26.06	22.19	-216.81	-215.93	21.30	-14.51
		845	135.78	-4.30	-56.34	-31.98	-28.67	-25.97	50.69	6.17	10.24	46.62	-12.82
573	9	859	86.36	19.73	-38.51	13.52	-32.31	-17.96	8.93	-22.62	-15.49	1.79	-13.20
		491	592.93	22.08	-36.00	15.77	-29.69	-18.06	-19.64	-225.02	-224.12	-20.53	-13.55
		118	583.72	-11.22	-47.49	-28.74	-29.96	-18.13	23.22	-202.57	-201.99	22.64	-11.41
		845	130.91	-11.16	-47.39	-26.52	-32.04	-17.90	47.93	3.68	6.64	44.97	-11.06
573	10	859	88.03	25.39	-36.90	14.82	-26.34	-23.38	8.24	-20.91	-13.77	1.10	-12.54
		491	588.20	26.93	-37.35	17.16	-27.58	-23.08	-20.71	-223.87	-222.81	-21.77	-14.62
		118	584.74	-5.36	-51.93	-29.42	-27.88	-23.27	19.17	-204.31	-203.56	18.42	-12.92
		845	121.79	-3.36	-49.74	-27.06	-26.04	-23.19	44.31	2.46	5.48	41.29	-10.84
573	11	859	152.23	8.31	-67.45	6.34	-65.48	12.06	3.90	-43.72	-34.65	-5.17	-18.70
		491	680.11	9.98	-32.80	8.14	-30.95	8.69	-26.80	-261.67	-260.90	-27.57	-13.42
		118	653.69	-17.61	-37.97	-24.59	-30.99	9.66	28.52	-228.18	-227.83	28.17	-9.44
		845	191.07	-20.40	-68.16	-23.13	-65.44	11.08	54.44	-5.44	-1.58	50.57	-14.72
574	1	665	253.14	-7.04	-30.64	-8.29	-29.39	-5.29	31.48	-71.15	-14.99	-24.68	-51.09
		859	233.44	-6.23	-42.80	-7.56	-41.48	-6.83	42.10	-53.08	1.95	-12.94	-47.00
		845	339.14	7.71	-42.48	6.90	-41.67	-6.31	125.67	15.23	25.87	115.03	-32.58
		543	329.05	8.70	-30.09	7.80	-29.19	-5.81	115.86	-3.65	8.93	103.28	-36.67
574	2	665	256.29	-4.90	-19.00	-8.39	-15.51	-6.09	29.45	-74.29	-14.58	-30.26	-51.27
		859	238.05	-5.17	-33.15	-7.68	-30.64	-8.00	39.76	-56.90	1.96	-19.10	-47.17
		845	320.02	8.02	-32.24	6.62	-30.85	-7.37	120.89	14.10	25.90	109.08	-33.49
		543	310.04	9.38	-17.13	7.55	-15.30	-6.72	111.73	-4.45	9.36	97.92	-37.60
574	3	665	253.54	-2.64	-17.67	-8.17	-12.14	-7.25	30.64	-72.09	-14.38	-27.07	-50.97
		859	235.72	-3.97	-32.50	-7.48	-28.99	-9.37	40.83	-54.65	2.28	-16.10	-46.85
		845	320.72	8.63	-31.20	6.64	-29.21	-8.67	121.84	14.35	26.03	110.15	-33.46
		543	310.18	10.39	-14.74	7.56	-11.91	-7.95	112.83	-4.28	9.37	99.18	-37.58
574	4	665	260.77	-5.80	-219.73	-6.80	-218.73	14.63	2.88	-59.15	-15.67	-40.60	-28.40
		859	192.89	-2.74	-159.13	-5.97	-155.91	22.24	12.13	-39.28	1.20	-28.35	-21.04
		845	357.42	4.51	-157.98	2.04	-155.50	19.90	107.43	32.19	32.58	107.04	-5.42
		543	388.24	3.28	-220.42	1.99	-219.13	16.96	96.80	13.69	15.71	94.79	-12.78
574	5	665	294.59	-6.58	-148.92	-7.09	-148.42	8.46	5.93	-83.63	-16.81	-60.89	-38.98
		859	236.18	-4.58	-107.09	-6.44	-105.23	13.69	13.33	-65.20	-1.99	-49.88	-31.12
		845	300.88	1.91	-106.33	0.55	-104.97	12.09	97.51	26.68	30.94	93.26	-16.83
		543	324.74	1.27	-149.36	0.60	-148.68	10.06	90.45	7.93	16.13	82.25	-24.69
574	6	665	338.98	-5.93	-146.81	-5.94	-146.80	1.23	33.38	-93.78	-22.75	-37.65	-63.14
		859	281.03	-5.04	-110.49	-5.35	-110.19	5.66	41.71	-71.13	-6.32	-23.09	-55.79
		845	432.64	1.45	-110.13	1.29	-109.97	4.31	144.14	15.73	27.35	132.52	-36.84
		543	449.71	1.41	-147.06	1.37	-147.02	2.59	133.84	-4.96	10.93	117.96	-44.19
574	7	665	242.00	-7.47	-32.13	-8.36	-31.24	-4.59	28.87	-68.80	-14.29	-25.64	-48.51

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		859	222.76	-6.60	-43.24	-7.61	-42.23	-6.00	39.55	-51.03	2.69	-14.17	-44.49
		845	328.84	7.53	-43.02	6.92	-42.41	-5.52	121.91	16.58	26.30	112.19	-30.48
		543	319.31	8.47	-31.71	7.82	-31.06	-5.07	112.28	-2.25	9.31	100.72	-34.49
574	8	665	191.50	-2.68	-13.32	-7.14	-8.86	-5.25	24.16	-53.80	-10.58	-19.07	-38.75
		859	180.69	-3.93	-25.48	-6.53	-22.87	-7.02	32.40	-41.06	1.97	-10.64	-36.18
		845	248.79	7.28	-24.43	5.92	-23.07	-6.44	93.72	9.78	18.75	84.75	-25.95
		543	238.82	8.69	-10.63	6.72	-8.67	-5.84	86.44	-3.93	6.20	76.31	-28.51
574	9	665	182.68	-4.53	-20.54	-5.54	-19.53	-3.91	21.45	-52.26	-10.80	-20.02	-36.56
		859	167.58	-4.02	-28.91	-5.06	-27.87	-4.97	29.08	-38.99	1.71	-11.62	-33.37
		845	238.18	5.15	-28.64	4.51	-28.00	-4.61	89.14	11.95	19.62	81.47	-23.09
		543	231.86	5.83	-20.12	5.11	-19.40	-4.26	82.27	-2.08	7.11	73.08	-26.28
574	10	665	182.83	-2.24	-13.18	-5.47	-9.94	-4.99	21.01	-52.80	-10.45	-21.34	-36.50
		859	168.85	-2.78	-23.18	-5.02	-20.93	-6.38	28.41	-39.89	1.90	-13.38	-33.29
		845	227.98	5.68	-22.39	4.37	-21.08	-5.92	87.02	11.45	19.71	78.76	-23.58
		543	221.43	6.77	-11.59	4.98	-9.80	-5.45	80.60	-2.44	7.36	70.80	-26.79
574	11	665	230.26	-4.23	-84.75	-4.23	-84.75	-0.28	22.52	-64.85	-15.10	-27.22	-43.26
		859	194.22	-3.77	-66.11	-3.83	-66.05	1.97	28.85	-49.00	-2.89	-17.26	-38.26
		845	290.02	1.42	-65.97	1.39	-65.95	1.29	99.40	12.23	20.44	91.19	-25.46
		543	298.80	1.54	-84.86	1.54	-84.85	0.40	92.27	-2.82	8.22	81.23	-30.46
575	1	845	317.23	-0.57	-47.53	-36.42	-11.68	-19.96	113.73	1.76	25.21	90.28	-45.57
		118	910.11	-0.64	-45.61	-33.84	-12.40	-19.77	84.83	-281.13	-259.80	63.50	-85.74
		495	830.45	19.47	-25.01	7.18	-12.72	-19.89	-36.69	-326.87	-305.15	-58.41	-76.36
		860	206.06	21.68	-23.27	9.77	-11.36	-19.84	10.75	-62.53	-20.15	-31.63	-36.19
575	2	845	317.39	10.68	-48.37	-38.03	0.34	-22.44	109.57	-0.62	24.41	84.55	-46.16
		118	921.13	5.98	-47.14	-35.40	-5.76	-22.04	79.09	-287.45	-265.36	57.00	-87.23
		495	846.45	23.32	-22.53	6.85	-6.06	-22.00	-42.45	-334.21	-311.60	-65.06	-78.01
		860	214.69	28.00	-17.83	9.53	0.64	-22.48	8.09	-67.44	-21.83	-37.51	-36.94
575	3	845	324.36	18.85	-50.20	-36.02	4.67	-27.90	110.65	0.82	25.33	86.13	-45.73
		118	924.00	10.34	-50.51	-33.52	-6.65	-27.30	81.02	-286.66	-264.03	58.39	-88.37
		495	852.75	28.14	-27.86	7.19	-6.91	-27.09	-44.10	-336.29	-312.91	-67.48	-79.27
		860	220.44	35.58	-20.84	9.80	4.93	-28.10	5.88	-69.16	-23.54	-39.73	-36.63
575	4	845	358.14	-13.78	-205.52	-50.65	-168.64	75.57	88.32	5.75	12.95	81.12	-23.30
		118	824.60	55.67	-93.49	-47.25	9.43	68.98	58.41	-268.62	-262.97	52.76	-42.59
		495	726.48	63.81	-63.94	-8.42	8.29	63.33	-37.15	-283.74	-277.83	-43.06	-37.71
		860	193.07	27.17	-201.39	-6.72	-167.50	81.22	11.19	-27.79	-1.90	-14.70	-18.41
575	5	845	321.40	-19.56	-146.57	-56.83	-109.30	57.83	80.79	-12.03	4.85	63.92	-35.80
		118	931.25	53.85	-79.32	-53.28	27.81	52.82	42.66	-315.31	-305.14	32.49	-59.47
		495	834.65	60.73	-42.30	-8.38	26.81	48.42	-56.93	-334.47	-323.81	-67.58	-53.32
		860	210.89	23.31	-137.73	-6.13	-108.30	62.24	6.69	-56.68	-13.83	-36.16	-29.65
575	6	845	449.51	-23.04	-124.42	-38.13	-109.32	36.09	125.23	-28.23	1.59	95.40	-60.72
		118	982.65	5.15	-62.11	-35.38	-21.58	32.92	87.57	-315.55	-297.00	69.02	-84.46
		495	895.46	21.57	-42.90	0.94	-22.28	30.07	-14.83	-335.29	-316.98	-33.13	-74.37
		860	293.38	15.12	-120.87	2.86	-108.62	38.94	38.40	-63.54	-18.39	-6.75	-50.63
575	7	845	302.42	-3.56	-46.86	-37.14	-13.28	-18.07	110.45	4.36	26.16	88.65	-42.87
		118	894.41	-0.41	-44.06	-34.53	-9.93	-18.03	82.12	-276.83	-256.48	61.77	-83.00
		495	816.96	18.35	-21.94	6.68	-10.27	-18.28	-38.96	-322.78	-301.94	-59.79	-74.02
		860	195.77	19.15	-22.84	9.26	-12.95	-17.82	8.45	-60.66	-19.30	-32.91	-33.88
575	8	845	246.03	15.48	-40.74	-29.78	4.52	-22.27	84.91	3.53	22.11	66.34	-34.16
		118	706.47	8.05	-41.00	-27.75	-5.20	-21.77	62.96	-217.80	-200.12	45.28	-68.21
		495	652.86	22.16	-22.31	5.26	-5.41	-21.59	-34.35	-257.45	-239.38	-52.42	-60.87
		860	165.21	28.55	-16.44	7.38	4.73	-22.46	3.49	-51.99	-17.15	-31.35	-26.82
575	9	845	227.21	0.17	-32.82	-25.22	-7.43	-13.89	80.97	0.35	17.26	64.06	-32.82
		118	652.19	0.04	-31.48	-23.42	-8.01	-13.75	59.81	-202.28	-187.14	44.66	-61.15
		495	595.23	13.90	-16.88	5.25	-8.23	-13.83	-27.15	-234.67	-219.11	-42.72	-54.67
		860	149.30	15.46	-15.62	7.05	-7.21	-13.80	7.67	-45.70	-14.71	-23.32	-26.33
575	10	845	231.18	10.96	-34.30	-25.00	1.65	-18.30	79.25	-0.16	17.33	61.76	-32.91
		118	659.87	6.14	-34.19	-23.24	-4.81	-17.94	57.69	-205.35	-189.49	41.82	-62.62
		495	607.60	18.68	-18.43	5.26	-5.01	-17.84	-31.27	-239.90	-223.42	-47.76	-56.28
		860	157.29	23.04	-14.12	7.07	1.84	-18.40	4.96	-49.38	-16.60	-27.82	-26.58
575	11	845	295.01	-19.17	-68.68	-26.17	-61.68	17.25	87.35	-16.30	4.14	66.91	-41.24
		118	689.34	-2.20	-35.18	-24.27	-13.11	15.52	61.31	-221.38	-207.80	47.73	-60.44
		495	630.00	10.01	-21.77	1.78	-13.54	13.92	-15.06	-239.30	-225.68	-28.68	-53.56
		860	186.84	8.33	-66.35	3.22	-61.24	18.85	22.81	-46.04	-13.74	-9.50	-34.36
576	1	543	285.14	19.85	-17.32	11.11	-8.58	-15.76	106.46	3.14	5.17	104.43	-14.33
		845	268.21	22.14	-13.53	12.78	-4.17	-15.69	111.74	30.14	33.07	108.82	-15.17
		860	142.88	6.07	-27.10	-16.63	-4.41	-15.41	20.64	-38.37	17.29	-35.02	-13.64
		666	124.54	4.71	-28.06	-15.01	-8.34	-16.04	-5.73	-44.28	-10.60	-39.41	-12.81
576	2	543	277.23	26.00	-4.38	10.42	11.20	-15.18	102.13	3.31	5.65	99.79	-15.02
		845	266.28	25.82	-5.27	12.07	8.49	-15.44	107.73	29.85	33.45	104.13	-16.36
		860	159.84	15.46	-24.92	-17.76	8.30	-15.43	20.36	-44.72	16.73	-41.09	-14.94
		666	128.65	18.14	-22.82	-16.07	11.39	-15.20	-6.35	-50.16	-11.08	-45.43	-13.59
576	3	543	285.26	32.57	-1.65	10.64	20.29	-16.41	102.78	3.18	5.54	100.42	-15.15

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		845	271.73	30.00	-3.73	12.35	13.93	-16.85	108.45	30.00	33.59	104.87	-16.39
		860	166.48	20.93	-26.35	-19.17	13.75	-16.96	20.34	-45.92	16.83	-42.40	-14.85
		666	137.62	26.52	-23.42	-17.37	20.47	-16.30	-6.61	-51.46	-11.22	-46.85	-13.62
576	4	543	490.74	8.92	-343.56	8.91	-343.55	1.24	103.16	10.76	11.95	101.97	10.43
		845	355.53	9.81	-184.57	9.43	-184.19	8.60	103.27	40.58	41.79	102.05	8.65
		860	265.67	23.35	-186.26	22.35	-185.25	14.48	25.94	-33.30	25.61	-32.98	4.36
		666	318.56	20.71	-342.55	20.65	-342.49	-4.64	-2.98	-34.31	-4.23	-33.06	6.14
576	5	543	389.16	5.21	-235.30	5.19	-235.28	2.45	92.33	12.34	12.35	92.33	0.51
		845	291.62	6.04	-120.78	5.56	-120.30	7.76	93.51	41.39	41.63	93.26	-3.55
		860	263.27	15.88	-122.12	14.82	-121.07	12.00	21.12	-54.52	20.48	-53.88	-6.92
		666	295.97	13.62	-234.52	13.60	-234.51	-1.79	-8.63	-54.99	-8.80	-54.82	-2.85
576	6	543	471.25	6.55	-197.84	6.38	-197.67	-5.83	130.56	4.76	7.66	127.66	-18.86
		845	404.21	7.06	-115.41	7.03	-115.37	-2.06	137.24	31.34	36.78	131.81	-23.37
		860	183.37	6.89	-115.98	6.88	-115.97	1.00	26.49	-29.31	14.79	-17.62	-22.71
		666	198.77	6.78	-197.46	6.39	-197.07	-8.89	0.54	-36.63	-14.33	-21.76	-18.21
576	7	543	280.13	18.36	-21.02	11.15	-13.80	-15.23	103.46	3.99	5.55	101.90	-12.35
		845	259.92	21.07	-14.49	12.81	-6.23	-15.02	108.36	31.24	33.53	106.07	-13.10
		860	144.23	4.17	-26.54	-15.88	-6.49	-14.62	20.48	-39.14	18.02	-36.68	-11.86
		666	125.58	1.70	-29.57	-14.32	-13.55	-15.63	-6.37	-44.43	-9.96	-40.85	-11.11
576	8	543	215.37	26.54	-1.09	9.24	16.21	-13.37	76.86	1.35	3.19	75.02	-11.65
		845	202.57	25.07	-2.32	10.70	12.05	-13.68	80.20	21.36	23.70	77.87	-11.48
		860	126.89	17.51	-21.65	-16.03	11.89	-13.73	15.26	-34.54	12.83	-32.10	-10.74
		666	105.17	21.32	-19.46	-14.51	16.37	-13.32	-3.85	-38.78	-7.68	-34.95	-10.91
576	9	543	203.20	13.66	-10.80	7.33	-4.47	-10.71	76.70	3.10	4.48	75.31	-10.00
		845	194.24	15.06	-8.87	8.45	-2.26	-10.70	81.04	23.04	25.32	78.76	-11.28
		860	106.07	4.59	-18.28	-11.27	-2.41	-10.54	15.20	-28.88	12.80	-26.48	-10.00
		666	89.96	4.01	-18.51	-10.18	-4.32	-10.87	-4.98	-32.98	-8.04	-29.93	-8.73
576	10	543	203.93	20.62	-1.98	7.07	11.57	-11.07	74.64	3.13	4.69	73.08	-10.46
		845	196.20	19.34	-3.34	8.21	7.79	-11.34	79.23	22.95	25.61	76.56	-11.95
		860	119.17	12.78	-17.79	-12.69	7.67	-11.40	15.04	-33.07	12.54	-30.58	-10.67
		666	96.81	16.09	-15.89	-11.50	11.69	-11.01	-5.44	-37.00	-8.38	-34.06	-9.17
576	11	543	306.61	4.94	-109.75	4.70	-109.52	-5.19	90.08	4.00	5.86	88.22	-12.52
		845	268.26	5.39	-64.18	5.25	-64.04	-3.13	95.22	23.69	27.38	91.53	-15.83
		860	128.56	1.82	-64.42	1.79	-64.39	-1.42	17.92	-23.32	11.41	-16.81	-15.04
		666	131.33	2.13	-109.59	1.70	-109.17	-6.90	-2.36	-27.87	-10.11	-20.12	-11.73
577	1	860	85.90	21.46	-14.60	6.27	0.59	-17.80	-19.66	-35.23	-19.94	-34.95	-2.09
		495	722.41	15.49	-26.00	8.57	-19.07	-15.48	-66.13	-294.33	-294.21	-66.25	-5.13
		131	745.16	-9.45	-45.98	-35.95	-19.48	-16.30	17.30	-263.74	-263.66	17.22	-4.57
		846	129.95	7.96	-40.39	-33.43	1.00	-16.98	48.59	10.54	10.60	48.53	-1.54
577	2	860	101.48	28.27	-9.98	4.88	13.42	-18.64	-21.29	-40.63	-21.59	-40.34	-2.37
		495	731.92	15.02	-22.90	7.20	-15.08	-15.35	-71.72	-300.44	-300.29	-71.87	-5.84
		131	759.25	-6.96	-47.17	-38.59	-15.55	-16.47	13.51	-269.84	-269.76	13.42	-4.92
		846	131.97	19.42	-41.49	-35.95	13.88	-17.51	45.01	8.88	8.94	44.95	-1.45
577	3	860	111.85	38.16	-11.65	5.07	21.43	-23.52	-21.17	-42.48	-21.31	-42.34	-1.73
		495	737.69	20.12	-23.60	7.58	-11.06	-19.77	-74.04	-303.65	-303.44	-74.24	-6.86
		131	771.00	-0.87	-52.99	-42.29	-11.57	-21.05	7.98	-275.52	-275.41	7.86	-5.76
		846	128.27	29.16	-46.62	-39.40	21.95	-22.24	39.78	6.71	6.73	39.77	-0.62
577	4	860	262.10	30.17	-238.20	10.12	-218.15	70.55	1.68	-38.12	-11.45	-25.00	18.71
		495	662.24	51.48	-42.03	9.01	0.44	46.56	-63.24	-270.35	-265.00	-68.59	32.86
		131	631.58	85.27	-33.18	50.18	1.91	54.08	26.60	-211.56	-210.67	25.70	14.58
		846	306.68	60.77	-233.79	46.60	-219.62	63.03	69.30	42.88	42.88	69.29	0.43
577	5	860	231.29	24.86	-171.16	4.34	-150.64	60.02	-19.79	-50.08	-24.50	-45.37	10.98
		495	746.34	50.25	-34.50	3.59	12.17	42.16	-86.60	-309.70	-307.24	-89.06	23.30
		131	706.74	71.73	-25.75	32.73	13.25	47.76	12.84	-252.38	-252.07	12.53	9.03
		846	239.67	45.18	-166.76	30.14	-151.72	54.42	56.64	30.26	30.67	56.23	-3.29
577	6	860	140.20	16.65	-138.79	10.20	-132.35	30.98	-10.96	-35.09	-29.12	-16.94	-10.41
		495	752.86	18.88	-36.83	10.74	-28.69	19.68	-52.00	-299.12	-299.10	-52.02	-2.21
		131	747.38	21.32	-39.00	10.45	-28.13	23.18	36.27	-252.83	-252.63	36.06	-7.70
		846	281.14	14.93	-138.02	9.82	-132.91	27.48	75.49	13.01	17.36	71.14	-15.90
577	7	860	86.56	18.29	-14.44	6.15	-2.31	-15.81	-18.67	-36.03	-18.67	-36.03	-0.02
		495	713.78	14.62	-23.14	8.36	-16.88	-14.04	-67.75	-291.68	-291.64	-67.79	-3.04
		131	735.61	-8.73	-42.58	-34.06	-17.25	-14.69	15.80	-261.22	-261.18	15.76	-3.20
		846	121.99	4.43	-38.05	-31.69	-1.94	-15.16	47.52	11.79	11.79	47.52	-0.18
577	8	860	86.89	29.31	-9.04	3.38	16.90	-17.94	-14.34	-32.90	-14.47	-32.77	-1.57
		495	564.57	15.02	-18.06	5.43	-8.47	-15.01	-57.49	-232.71	-232.57	-57.63	-5.06
		131	591.06	-1.33	-42.82	-35.27	-8.88	-16.01	7.05	-210.03	-209.94	6.95	-4.50
		846	99.49	22.49	-38.10	-32.92	17.31	-16.94	31.86	8.11	8.16	31.82	-1.02
577	9	860	61.99	15.88	-9.74	4.67	1.48	-12.71	-14.78	-25.96	-14.86	-25.88	-0.97
		495	517.93	11.32	-17.78	6.25	-12.71	-11.03	-48.19	-211.31	-211.24	-48.27	-3.48
		131	534.50	-5.79	-31.76	-24.56	-13.00	-11.63	11.21	-190.01	-189.96	11.16	-3.03
		846	91.22	6.74	-27.78	-22.81	1.77	-12.12	33.57	6.40	6.41	33.56	-0.52
577	10	860	78.19	25.05	-7.99	4.00	13.06	-15.89	-15.58	-30.02	-15.62	-29.98	-0.77

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		495	526.43	13.85	-16.41	5.70	-8.26	-13.42	-52.59	-216.48	-216.36	-52.71	-4.45
		131	548.85	-1.07	-35.61	-28.08	-8.61	-14.27	6.03	-196.55	-196.48	5.96	-3.69
		846	90.34	18.48	-31.20	-26.13	13.41	-15.04	28.69	4.25	4.25	28.69	-0.01
577	11	860	79.04	9.38	-74.91	6.85	-72.37	14.39	-11.96	-23.87	-19.96	-15.87	-5.60
		495	534.48	10.03	-20.63	7.46	-18.06	8.50	-40.34	-213.97	-213.95	-40.36	-1.87
		131	530.33	5.74	-22.32	1.22	-17.81	10.31	21.74	-183.94	-183.83	21.63	-4.77
		846	168.70	3.30	-74.71	1.22	-72.62	12.58	48.03	8.25	10.16	46.12	-8.50
578	1	666	249.20	27.84	-9.80	-9.79	27.82	-0.74	8.07	-83.92	-11.46	-64.39	-37.62
		860	222.88	6.10	-10.02	-9.06	5.14	-3.81	24.34	-68.01	8.32	-52.00	-34.97
		846	234.58	8.10	2.42	5.69	4.83	-2.81	96.57	25.61	31.91	90.27	-20.19
		544	236.31	28.28	6.65	6.79	28.14	-1.74	85.03	4.97	12.13	77.87	-22.84
578	2	666	275.93	49.60	-9.48	-9.45	49.56	1.36	7.55	-89.47	-11.80	-70.12	-38.77
		860	243.09	18.22	-9.08	-8.77	17.91	-2.88	23.73	-73.56	7.70	-57.53	-36.09
		846	236.85	17.72	5.96	6.16	17.52	-1.51	94.66	24.66	31.65	87.67	-20.99
		544	243.26	49.95	7.35	7.35	49.95	-3.99e-03	83.00	4.24	12.15	75.08	-23.67
578	3	666	290.24	64.08	-9.51	-9.48	64.05	1.48	7.18	-92.07	-11.79	-73.09	-39.03
		860	253.34	27.25	-9.18	-8.84	26.91	-3.48	22.85	-76.46	7.19	-60.80	-36.19
		846	234.40	26.65	5.91	6.09	26.47	-1.89	91.45	23.68	31.28	83.85	-21.39
		544	244.59	64.49	7.33	7.33	64.49	-0.12	80.20	3.66	12.30	71.56	-24.23
578	4	666	426.84	-12.08	-429.35	-13.20	-428.24	-21.54	2.52	-57.15	-3.54	-51.09	-18.03
		860	304.88	-10.98	-228.03	-11.08	-227.93	4.67	23.42	-48.59	19.88	-45.05	-15.56
		846	373.38	0.86	-226.34	0.81	-226.28	-3.43	101.10	42.60	44.47	99.24	-10.28
		544	511.13	0.10	-430.31	-0.32	-429.89	-13.43	95.38	18.86	21.05	93.20	-12.75
578	5	666	411.09	-10.62	-303.40	-11.04	-302.98	-11.07	3.51	-84.23	-7.71	-73.01	-29.31
		860	316.50	-8.90	-159.94	-9.29	-159.55	7.68	21.68	-72.81	13.86	-64.98	-26.05
		846	327.19	3.11	-158.42	3.09	-158.40	1.89	99.36	36.12	41.43	94.05	-17.55
		544	418.71	2.60	-304.22	2.51	-304.13	-5.29	92.02	13.86	19.86	86.02	-20.81
578	6	666	331.05	-8.27	-229.60	-9.05	-228.83	-13.07	18.35	-74.89	-13.96	-42.59	-44.37
		860	259.28	-7.86	-135.71	-7.86	-135.70	-0.90	32.19	-56.35	7.24	-31.40	-39.83
		846	378.61	1.12	-135.12	0.96	-134.96	-4.65	123.44	27.49	35.58	115.35	-26.65
		544	434.12	1.01	-229.95	0.64	-229.57	-9.32	113.93	4.61	14.38	104.16	-31.19
578	7	666	242.49	19.78	-9.97	-9.94	19.76	-0.93	6.92	-83.34	-10.75	-65.67	-35.82
		860	220.44	2.83	-10.11	-9.17	1.89	-3.36	23.50	-67.99	9.13	-53.62	-33.29
		846	226.12	6.94	0.39	5.72	1.62	-2.55	94.29	26.62	32.48	88.44	-19.03
		544	224.97	20.25	6.56	6.78	20.03	-1.73	82.99	5.99	12.59	76.39	-21.56
578	8	666	222.53	51.55	-8.26	-8.22	51.51	1.58	5.86	-69.75	-8.69	-55.21	-29.80
		860	194.61	21.41	-7.86	-7.65	21.20	-2.47	18.11	-58.16	5.63	-45.68	-28.22
		846	180.97	20.92	5.35	5.44	20.83	-1.17	70.17	16.76	22.70	64.23	-16.79
		544	188.70	51.88	6.51	6.51	51.88	0.28	61.10	1.98	8.38	54.70	-18.37
578	9	666	181.97	20.54	-6.51	-6.50	20.53	-0.49	5.38	-61.49	-8.29	-47.82	-26.96
		860	162.77	5.27	-6.63	-6.02	4.65	-2.63	17.15	-49.92	6.22	-38.99	-24.77
		846	167.01	6.07	2.13	3.76	4.44	-1.94	68.83	19.42	23.94	64.31	-14.25
		544	168.49	20.83	4.41	4.50	20.74	-1.19	60.75	4.17	9.44	55.48	-16.45
578	10	666	204.85	40.66	-6.34	-6.33	40.65	0.74	4.90	-66.03	-8.47	-52.66	-27.74
		860	179.88	17.01	-6.16	-5.90	16.75	-2.46	16.34	-54.64	5.59	-43.88	-25.45
		846	166.89	16.62	3.82	3.98	16.46	-1.43	65.99	18.35	23.60	60.74	-14.92
		544	173.09	40.94	4.80	4.80	40.94	-0.29	58.07	3.43	9.54	51.97	-17.21
578	11	666	222.27	-5.62	-122.52	-6.09	-122.06	-7.34	10.66	-56.05	-9.67	-35.71	-30.71
		860	181.50	-5.34	-73.61	-5.36	-73.59	-1.02	21.12	-43.05	5.62	-27.55	-27.47
		846	244.10	1.25	-73.34	1.14	-73.22	-2.96	83.76	20.47	25.98	78.25	-17.84
		544	271.50	1.32	-122.66	1.08	-122.43	-5.40	76.80	3.97	10.69	70.08	-21.08
579	1	846	253.64	41.40	-38.54	-31.02	33.88	-23.33	91.10	23.71	32.60	82.21	-22.81
		131	840.15	9.93	-41.33	-29.28	-2.12	-21.73	68.85	-264.54	-248.05	52.36	-72.30
		499	796.73	19.30	-22.03	-0.56	-2.17	-20.65	-82.87	-327.75	-308.51	-102.11	-65.90
		861	195.15	47.04	-11.53	1.57	33.94	-24.41	-22.46	-77.67	-27.86	-72.26	-16.40
579	2	846	256.67	51.07	-38.10	-32.56	45.53	-21.52	89.31	21.43	31.09	79.65	-23.72
		131	850.56	9.10	-40.33	-30.78	-0.45	-19.52	66.17	-270.14	-253.56	49.59	-72.81
		499	805.87	17.62	-18.59	-0.51	-0.46	-18.11	-84.23	-332.10	-312.95	-103.38	-66.18
		861	205.78	55.36	-8.04	1.78	45.54	-22.94	-22.55	-79.08	-28.30	-73.33	-17.09
579	3	846	256.23	60.89	-40.22	-34.94	55.61	-22.49	86.08	19.63	29.90	75.80	-24.02
		131	862.89	13.17	-41.95	-33.08	4.30	-20.26	62.04	-276.21	-259.44	45.27	-73.42
		499	819.73	20.46	-17.27	-1.11	4.30	-18.67	-88.03	-338.10	-318.81	-107.32	-66.72
		861	219.77	64.75	-7.81	1.33	55.61	-24.07	-23.81	-82.44	-29.47	-76.78	-17.32
579	4	846	354.78	16.27	-219.20	16.06	-218.99	-7.06	98.60	52.86	56.22	95.24	-11.93
		131	681.29	32.26	-1.01	16.57	14.68	-16.61	69.17	-211.75	-194.86	52.27	-66.80
		499	728.44	33.17	-16.67	2.94	13.56	-24.35	-73.07	-296.91	-266.20	-103.79	-77.02
		861	306.93	0.89	-217.87	0.88	-217.87	0.68	-6.14	-69.81	-15.12	-60.83	-22.16
579	5	846	309.93	6.50	-153.11	6.49	-153.11	-0.24	95.95	35.59	44.75	86.79	-21.66
		131	771.49	21.10	3.53	7.24	17.38	-7.18	62.13	-250.92	-232.54	43.74	-73.61
		499	796.74	24.22	-4.91	2.79	16.52	-12.85	-75.68	-326.55	-296.81	-105.42	-81.09
		861	277.73	1.85	-152.43	1.66	-152.24	5.43	-4.79	-77.11	-19.53	-62.37	-29.13
579	6	846	344.69	-3.74	-119.95	-4.25	-119.44	-7.70	114.00	16.58	32.32	98.27	-35.86

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		131	824.77	5.68	-19.54	-3.39	-10.47	-12.10	85.93	-255.53	-234.42	64.83	-82.23
		499	796.78	10.73	-22.45	-0.65	-11.08	-15.75	-56.61	-320.12	-291.94	-84.79	-81.43
		861	253.82	-0.85	-118.97	-0.99	-118.84	-4.05	-0.86	-75.70	-25.20	-51.35	-35.06
579	7	846	244.72	37.94	-37.93	-30.05	30.06	-23.15	89.41	25.90	33.91	81.40	-21.09
		131	830.80	11.74	-40.19	-28.33	-0.12	-21.80	67.14	-262.03	-245.87	50.98	-71.14
		499	792.27	20.57	-21.24	-0.48	-0.19	-20.90	-84.76	-326.45	-307.23	-103.98	-65.38
		861	195.12	43.82	-12.11	1.57	30.14	-24.04	-22.82	-78.19	-27.46	-73.56	-15.33
579	8	846	194.62	48.47	-33.50	-29.53	44.50	-17.60	65.78	17.69	25.30	58.17	-17.55
		131	660.00	9.83	-34.56	-27.96	3.22	-15.80	48.19	-210.11	-197.02	35.10	-56.67
		499	627.45	15.70	-13.70	-1.21	3.21	-14.53	-68.18	-258.90	-244.10	-82.98	-51.02
		861	171.23	51.53	-6.20	0.82	44.51	-18.87	-18.37	-63.33	-21.78	-59.91	-11.91
579	9	846	182.02	29.55	-26.23	-21.05	24.36	-16.20	65.16	16.00	22.58	58.59	-16.74
		131	603.23	7.47	-28.18	-19.86	-0.85	-15.08	48.58	-190.79	-179.07	36.87	-51.65
		499	572.17	13.80	-14.85	-0.17	-0.88	-14.32	-59.56	-235.50	-221.66	-73.41	-47.38
		861	140.63	33.36	-7.67	1.30	24.39	-16.96	-15.68	-56.01	-20.01	-51.69	-12.47
579	10	846	183.48	40.32	-27.12	-23.22	36.43	-15.73	62.37	13.74	21.08	55.03	-17.41
		131	615.87	9.24	-28.48	-21.96	2.72	-14.26	44.79	-197.27	-185.41	32.92	-52.27
		499	584.95	14.44	-12.20	-0.47	2.71	-13.22	-62.43	-241.25	-227.38	-76.30	-47.84
		861	154.27	43.13	-5.54	1.16	36.43	-16.77	-16.44	-58.66	-20.90	-54.20	-12.98
579	11	846	221.51	-5.16	-61.83	-6.17	-60.82	-7.51	77.88	12.04	22.42	67.51	-23.99
		131	594.32	4.25	-15.22	-5.47	-5.49	-9.73	58.03	-185.74	-171.50	43.79	-57.16
		499	571.70	8.91	-14.96	-0.22	-5.83	-11.60	-45.05	-231.19	-212.45	-63.78	-56.01
		861	171.38	0.40	-61.00	-0.13	-60.48	-5.65	-4.05	-54.55	-18.53	-40.07	-22.84
580	1	544	235.11	37.98	6.40	7.31	37.06	-5.29	83.68	8.67	8.67	83.67	0.58
		846	220.60	42.02	7.95	8.76	41.21	-5.21	85.01	40.50	40.50	85.01	-0.04
		861	257.76	41.42	-15.25	-14.82	40.99	-4.94	24.13	-69.55	24.05	-69.46	-2.84
		667	208.04	37.88	-14.03	-13.43	37.28	-5.57	-7.70	-70.88	-7.78	-70.80	-2.22
580	2	544	244.47	57.93	6.22	6.37	57.78	-2.77	81.94	8.71	8.71	81.94	0.09
		846	223.77	52.83	7.46	7.68	52.62	-3.14	83.47	40.47	40.49	83.46	-0.75
		861	268.70	52.64	-15.04	-14.89	52.49	-3.24	23.79	-71.13	23.68	-71.01	-3.35
		667	226.13	58.01	-13.59	-13.49	57.91	-2.66	-8.01	-72.62	-8.10	-72.53	-2.51
580	3	544	247.53	75.18	5.50	5.53	75.14	-1.57	78.69	8.77	8.77	78.69	-0.26
		846	222.48	63.16	6.67	6.76	63.07	-2.28	80.29	40.29	40.32	80.25	-1.24
		861	284.89	63.09	-15.61	-15.52	63.00	-2.66	23.34	-74.94	23.20	-74.80	-3.77
		667	247.85	75.23	-14.11	-14.09	75.21	-1.18	-8.24	-76.47	-8.35	-76.36	-2.79
580	4	544	583.94	36.87	-466.07	32.51	-461.71	-46.67	107.13	18.78	20.00	105.91	10.31
		846	373.60	41.58	-225.59	36.92	-220.92	-34.98	100.84	55.71	56.00	100.55	3.61
		861	360.51	2.46	-226.09	-0.35	-223.28	-25.17	31.17	-59.96	30.31	-59.09	-8.85
		667	448.51	7.03	-466.19	0.19	-459.34	-56.48	-5.60	-53.83	-5.70	-53.73	-2.15
580	5	544	487.67	29.35	-341.10	26.39	-338.15	-32.95	102.95	18.33	18.54	102.74	4.21
		846	324.39	33.03	-158.47	29.94	-155.39	-24.10	99.25	53.60	53.81	99.04	-3.09
		861	323.07	0.11	-158.97	-1.65	-157.21	-16.63	28.76	-64.50	26.78	-62.53	-13.44
		667	377.51	3.76	-341.14	-1.04	-336.33	-40.41	-7.76	-59.57	-8.49	-58.83	-6.13
580	6	544	458.59	19.73	-250.18	17.28	-247.73	-25.60	114.36	11.64	12.18	113.83	-7.42
		846	342.30	22.53	-121.31	19.88	-118.66	-19.36	115.59	43.45	45.62	113.42	-12.33
		861	261.16	-2.18	-121.64	-3.86	-119.95	-14.08	26.47	-52.47	22.12	-48.11	-18.02
		667	292.97	0.52	-250.30	-3.35	-246.43	-30.88	-7.09	-51.94	-11.32	-47.70	-13.12
580	7	544	225.15	29.68	6.30	8.00	27.97	-6.08	82.52	9.15	9.20	82.47	1.82
		846	214.54	38.36	8.39	9.54	37.21	-5.76	83.56	41.17	41.20	83.54	1.07
		861	259.65	37.48	-15.14	-14.60	36.94	-5.27	24.62	-70.94	24.58	-70.89	-2.11
		667	205.43	29.25	-14.23	-13.21	28.24	-6.56	-7.40	-71.98	-7.43	-71.95	-1.37
580	8	544	186.12	59.91	5.05	5.09	59.87	-1.54	57.98	5.54	5.54	57.97	-0.32
		846	165.36	50.67	6.07	6.17	50.57	-2.10	58.69	28.79	28.79	58.69	0.11
		861	219.57	50.59	-13.24	-13.15	50.51	-2.38	17.80	-57.18	17.74	-57.11	-2.15
		667	191.18	59.96	-11.94	-11.92	59.94	-1.26	-5.38	-57.96	-5.50	-57.83	-2.58
580	9	544	170.87	27.47	4.28	4.79	26.96	-3.41	61.07	7.06	7.07	61.06	0.64
		846	161.04	29.84	5.29	5.76	29.37	-3.37	62.27	30.63	30.64	62.26	-0.54
		861	186.95	29.49	-10.24	-9.98	29.23	-3.20	17.63	-50.63	17.54	-50.54	-2.44
		667	151.28	27.45	-9.40	-9.05	27.10	-3.57	-5.99	-51.77	-6.03	-51.74	-1.26
580	10	544	177.76	48.16	3.76	3.80	48.12	-1.34	58.30	7.13	7.13	58.30	0.17
		846	162.07	41.59	4.57	4.65	41.51	-1.74	59.67	30.49	30.54	59.62	-1.21
		861	202.04	41.53	-10.45	-10.38	41.45	-1.94	17.19	-53.63	17.07	-53.50	-2.96
		667	173.35	48.20	-9.45	-9.42	48.18	-1.14	-6.30	-54.88	-6.35	-54.83	-1.58
580	11	544	286.82	11.84	-132.76	10.33	-131.25	-14.69	78.03	8.81	9.02	77.82	-3.80
		846	219.75	13.66	-61.17	11.93	-59.45	-11.23	79.23	32.30	33.49	78.05	-7.37
		861	178.13	-2.71	-61.38	-3.90	-60.19	-8.28	18.54	-40.75	16.47	-38.68	-10.88
		667	188.08	-1.05	-132.92	-3.45	-130.51	-17.64	-6.35	-40.55	-8.00	-38.91	-7.31
581	1	861	220.71	34.17	0.07	2.35	31.88	-8.53	-8.14	-78.02	-11.49	-74.68	14.92
		499	735.23	83.63	3.51	6.04	81.10	-14.00	-108.85	-310.74	-310.64	-108.95	4.49
		327	783.40	82.12	-54.64	-53.49	80.97	-12.47	-33.24	-286.83	-286.71	-33.36	5.37
		847	115.06	33.22	-51.65	-50.44	32.01	-10.06	23.50	-10.14	12.44	0.92	15.80
581	2	861	226.75	42.66	0.09	1.17	41.58	-6.68	-9.76	-78.88	-12.94	-75.69	14.49

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		499	743.57	81.67	3.16	4.71	80.12	-10.91	-109.80	-313.96	-313.85	-109.90	4.69
		327	789.86	80.65	-54.03	-53.32	79.94	-9.76	-31.58	-288.63	-288.50	-31.72	5.82
		847	113.50	42.43	-50.94	-50.27	41.76	-7.83	23.83	-8.93	12.41	2.50	15.62
581	3	861	239.93	52.46	-1.15	-0.40	51.71	-6.29	-11.34	-82.02	-14.48	-78.88	14.56
		499	756.02	83.31	1.86	3.00	82.17	-9.59	-113.21	-319.11	-318.99	-113.32	4.93
		327	800.84	82.50	-54.05	-53.50	81.94	-8.72	-32.42	-292.87	-292.72	-32.57	6.25
		847	117.05	52.43	-50.98	-50.48	51.93	-7.16	23.47	-9.80	11.79	1.88	15.88
581	4	861	336.85	29.88	-220.23	29.77	-220.13	-5.19	9.42	-63.68	7.61	-61.87	11.37
		499	663.95	98.57	11.81	36.51	73.87	-39.15	-100.62	-277.72	-277.10	-101.24	-10.47
		327	741.17	81.31	-57.88	-51.60	75.03	-28.88	-43.11	-275.05	-273.89	-44.27	-16.35
		847	159.00	-47.30	-222.66	-48.67	-221.29	-15.46	12.54	-6.62	10.81	-4.90	5.48
581	5	861	284.63	22.47	-162.84	22.42	-162.80	2.91	-2.50	-64.72	-3.12	-64.09	6.22
		499	715.49	77.68	17.06	28.27	66.47	-23.53	-101.82	-300.65	-299.99	-102.48	-11.43
		327	786.84	69.31	-52.92	-50.90	67.30	-15.57	-30.97	-288.62	-287.75	-31.84	-14.94
		847	111.32	-47.80	-163.85	-48.02	-163.63	-5.06	10.82	4.83	9.11	6.54	2.71
581	6	861	227.49	15.56	-124.77	15.55	-124.77	1.02	-9.30	-56.70	-9.30	-56.69	-0.56
		499	705.69	73.33	12.45	20.71	65.07	-20.84	-89.31	-296.62	-295.62	-90.32	-14.42
		327	768.82	67.45	-52.06	-50.33	65.72	-14.27	-27.76	-280.75	-279.96	-28.55	-14.13
		847	84.29	-47.24	-125.81	-47.63	-125.41	-5.55	6.41	5.02	6.36	5.08	-0.27
581	7	861	223.37	30.70	0.28	2.92	28.06	-8.56	-6.85	-79.38	-10.55	-75.68	15.97
		499	732.30	85.15	3.95	6.68	82.42	-14.63	-110.22	-310.04	-309.92	-110.35	5.00
		327	782.04	83.53	-54.92	-53.70	82.31	-12.92	-34.92	-286.90	-286.78	-35.05	5.50
		847	118.25	29.49	-51.96	-50.64	28.17	-10.28	23.80	-11.59	12.59	-0.38	16.46
581	8	861	187.10	40.91	-1.38	-0.98	40.51	-4.07	-7.02	-63.18	-9.29	-60.91	11.06
		499	579.92	64.02	1.05	1.73	63.34	-6.53	-87.69	-244.83	-244.71	-87.80	4.26
		327	613.59	63.47	-43.85	-43.52	63.15	-5.89	-23.99	-223.31	-223.19	-24.11	4.89
		847	93.29	40.97	-41.37	-41.10	40.70	-4.71	20.12	-5.09	12.23	2.79	11.69
581	9	861	158.37	24.85	0.26	1.95	23.16	-6.22	-6.45	-56.18	-8.95	-53.68	10.86
		499	527.08	59.46	2.68	4.52	57.62	-10.05	-77.98	-222.83	-222.76	-78.05	3.14
		327	562.09	58.37	-37.89	-37.05	57.53	-8.98	-23.78	-206.17	-206.08	-23.87	3.96
		847	81.47	24.15	-35.82	-34.92	23.25	-7.29	16.34	-8.11	7.73	0.50	11.68
581	10	861	168.99	34.89	-0.30	0.42	34.17	-4.97	-8.23	-58.40	-10.61	-56.02	10.66
		499	538.62	59.24	1.81	2.84	58.21	-7.60	-80.40	-227.48	-227.40	-80.48	3.39
		327	571.77	58.57	-37.55	-37.05	58.07	-6.89	-23.32	-209.52	-209.42	-23.43	4.45
		847	82.44	34.78	-35.40	-34.94	34.32	-5.68	16.34	-7.94	7.37	1.03	11.72
581	11	861	152.68	9.29	-63.88	9.28	-63.87	-0.91	-7.59	-43.83	-7.74	-43.69	2.26
		499	508.69	53.42	7.97	12.67	48.72	-13.85	-67.33	-214.78	-214.42	-67.70	-7.36
		327	553.24	50.22	-36.46	-35.29	49.06	-9.98	-20.94	-202.59	-202.33	-21.20	-6.87
		847	48.01	-32.63	-64.93	-33.36	-64.21	-4.78	6.44	0.72	4.35	2.81	2.75
582	1	667	334.80	48.14	-12.59	-11.06	46.61	9.53	4.35	-109.76	-2.64	-102.77	-27.37
		861	332.86	37.10	-10.98	-9.67	35.79	7.85	14.50	-106.07	8.79	-100.36	-25.61
		847	158.76	38.33	10.35	13.21	35.48	8.46	61.97	13.08	30.84	44.22	-23.51
		548	163.41	49.22	12.49	14.80	46.91	8.92	58.25	2.97	19.40	41.81	-25.27
582	2	667	349.31	66.44	-12.07	-10.05	64.43	12.42	4.22	-110.83	-2.94	-103.67	-27.79
		861	340.49	46.21	-10.39	-8.76	44.58	9.47	14.43	-106.82	8.55	-100.94	-26.04
		847	163.52	47.44	10.46	13.72	44.19	10.48	62.94	13.66	30.85	45.75	-23.49
		548	172.28	67.33	12.87	15.38	64.82	11.41	59.06	3.31	19.36	43.01	-25.24
582	3	667	369.25	83.91	-11.80	-9.51	81.62	14.64	4.01	-114.15	-3.16	-106.97	-28.22
		861	354.65	56.03	-10.04	-8.28	54.27	10.64	14.07	-110.00	8.14	-104.07	-26.46
		847	166.59	57.13	10.81	14.15	53.80	11.97	62.85	13.35	30.78	45.43	-23.64
		548	179.04	84.66	13.31	15.89	82.08	13.31	58.89	3.11	19.47	42.53	-25.40
582	4	667	550.44	-24.82	-435.18	-32.04	-427.96	-53.93	11.16	-96.96	2.58	-88.38	-29.22
		861	420.57	-25.46	-207.96	-28.35	-205.08	-22.77	21.65	-98.35	14.16	-90.87	-29.01
		847	255.37	6.18	-208.07	1.17	-203.07	-32.35	73.39	4.08	32.36	45.11	-34.07
		548	403.53	5.24	-434.49	0.72	-429.97	-44.34	71.00	-2.62	20.77	47.60	-34.28
582	5	667	485.26	-21.41	-323.18	-26.04	-318.56	-37.07	10.99	-101.03	-0.39	-89.65	-33.84
		861	387.95	-21.49	-153.95	-22.96	-152.48	-13.89	21.14	-99.88	11.17	-89.91	-33.27
		847	263.26	6.88	-153.82	4.09	-151.02	-21.00	81.79	6.97	31.45	57.32	-35.10
		548	368.25	6.83	-322.76	4.08	-320.01	-29.96	79.07	-1.60	19.89	57.58	-35.66
582	6	667	418.66	-18.04	-240.33	-20.81	-237.56	-24.66	11.97	-97.68	-4.64	-81.07	-39.31
		861	343.98	-17.69	-116.86	-18.30	-116.25	-7.75	20.08	-93.64	6.47	-80.03	-36.91
		847	252.70	6.83	-116.59	5.46	-115.23	-12.92	81.59	3.53	28.90	56.22	-36.56
		548	327.25	7.26	-240.13	5.71	-238.59	-19.49	79.70	-6.73	17.79	55.18	-38.96
582	7	667	331.44	39.52	-12.93	-11.57	38.16	8.34	4.37	-110.55	-2.16	-104.02	-26.59
		861	333.81	33.45	-11.36	-10.12	32.21	7.34	14.61	-107.21	9.26	-101.86	-24.95
		847	154.96	34.72	10.28	13.05	31.96	7.74	60.92	13.02	31.09	42.85	-23.21
		548	157.08	40.82	12.20	14.61	38.42	7.94	57.17	3.20	19.67	40.69	-24.85
582	8	667	284.37	67.46	-10.09	-8.18	65.54	12.03	3.34	-86.92	-2.12	-81.46	-21.52
		861	271.80	43.85	-8.60	-7.13	42.39	8.65	11.08	-83.77	6.31	-78.99	-20.73
		847	127.77	44.89	9.04	11.94	41.99	9.78	47.84	9.21	22.30	34.75	-18.28
		548	136.93	68.11	11.24	13.42	65.94	10.91	44.26	1.90	13.88	32.29	-19.07
582	9	667	241.48	34.26	-8.47	-7.41	33.20	6.65	3.02	-79.43	-1.99	-74.42	-19.70

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		861	240.62	26.81	-7.39	-6.47	25.90	5.51	10.56	-76.72	6.59	-72.75	-18.18
		847	115.01	27.58	7.07	8.95	25.69	5.92	45.09	10.35	23.18	32.27	-16.76
		548	118.72	34.97	8.47	10.03	33.41	6.23	42.55	2.64	14.60	30.59	-18.28
582	10	667	260.63	54.13	-8.03	-6.55	52.65	9.48	2.83	-81.87	-2.28	-76.76	-20.17
		861	252.73	37.32	-6.86	-5.71	36.17	7.06	10.31	-78.90	6.22	-74.81	-18.66
		847	119.29	38.04	7.30	9.47	35.87	7.87	45.58	10.51	23.15	32.94	-16.84
		548	127.22	54.65	8.92	10.63	52.95	8.67	42.91	2.72	14.64	30.99	-18.35
582	11	667	277.07	-11.48	-126.02	-12.83	-124.67	-12.35	6.91	-72.38	-3.10	-62.37	-26.33
		861	236.99	-11.06	-58.78	-11.27	-58.57	-3.16	13.30	-69.46	5.30	-61.45	-24.46
		847	162.17	5.21	-58.59	4.65	-58.03	-5.96	55.97	5.07	22.10	38.94	-24.02
		548	202.28	5.68	-125.90	4.98	-125.20	-9.55	54.46	-2.74	13.70	38.02	-25.89
583	1	847	233.25	47.50	-54.11	-52.83	46.22	11.32	93.06	68.13	78.74	82.45	-12.32
		327	889.17	96.27	-48.32	-47.70	95.64	9.51	-29.97	-327.11	-317.65	-39.43	-52.16
		404	922.47	95.26	-13.61	-13.10	94.75	7.44	-78.63	-372.76	-335.50	-115.89	-97.84
		347	333.74	50.17	-11.64	-8.59	47.12	13.39	97.62	-30.72	60.90	5.99	-58.00
583	2	847	233.87	55.42	-53.65	-52.05	53.82	13.10	94.24	68.59	78.63	84.20	-12.52
		327	893.17	94.27	-48.02	-47.05	93.29	11.72	-28.64	-328.59	-319.25	-37.98	-52.10
		404	924.59	93.41	-13.84	-12.90	92.47	10.01	-77.30	-373.70	-336.78	-114.22	-97.88
		347	336.47	57.96	-11.69	-8.39	54.65	14.81	98.61	-29.53	61.11	7.97	-58.30
583	3	847	239.75	64.25	-53.40	-51.71	62.56	13.99	94.76	68.96	78.69	85.03	-12.50
		327	903.46	94.94	-47.95	-46.76	93.75	12.97	-29.36	-332.92	-323.64	-38.64	-52.25
		404	934.64	94.22	-13.83	-12.58	92.97	11.56	-77.82	-378.01	-341.05	-114.77	-98.63
		347	340.45	66.53	-11.20	-8.02	63.34	15.41	99.54	-29.35	61.28	8.90	-58.88
583	4	847	327.48	-70.46	-191.22	-70.85	-190.83	6.80	103.33	51.02	77.13	77.21	-26.16
		327	888.56	85.93	-62.11	-61.96	85.78	-4.80	-25.88	-321.95	-305.21	-42.61	-68.37
		404	950.28	85.59	-14.35	-12.01	83.25	-15.12	-66.82	-375.44	-325.72	-116.54	-113.46
		347	384.61	-5.03	-189.91	-6.63	-188.31	17.13	106.04	-46.12	56.63	3.29	-71.25
583	5	847	337.40	-63.02	-146.97	-66.00	-143.99	15.55	112.72	52.99	75.62	90.09	-28.98
		327	924.56	72.15	-58.33	-58.00	71.82	6.57	-15.92	-334.40	-318.37	-31.95	-69.63
		404	974.64	69.74	-11.31	-11.28	69.71	-1.55	-57.06	-384.46	-336.85	-104.68	-115.42
		347	401.45	-2.01	-145.89	-6.01	-141.88	23.67	114.62	-40.12	57.15	17.35	-74.77
583	6	847	313.92	-54.42	-113.28	-60.97	-106.73	18.51	108.74	45.78	70.90	83.62	-30.83
		327	898.38	82.04	-55.01	-54.17	81.21	10.68	-18.12	-326.16	-310.55	-33.74	-67.57
		404	943.03	79.53	-14.82	-14.68	79.39	3.62	-57.50	-372.74	-326.44	-103.80	-111.59
		347	399.18	-3.79	-111.38	-10.26	-104.92	25.57	111.95	-43.38	55.01	13.56	-74.85
583	7	847	233.39	43.89	-54.76	-53.47	42.60	11.20	92.19	68.45	79.09	81.55	-11.81
		327	888.55	97.37	-48.79	-48.22	96.79	9.18	-31.33	-327.24	-317.82	-40.75	-51.95
		404	922.87	96.29	-13.45	-13.01	95.85	6.94	-79.90	-373.26	-335.88	-117.28	-97.82
		347	332.73	46.80	-11.71	-8.44	43.53	13.44	97.14	-31.10	61.03	5.02	-57.68
583	8	847	185.66	51.23	-43.40	-42.25	50.07	10.40	72.96	55.50	63.05	65.41	-8.65
		327	692.04	72.78	-39.10	-38.25	71.93	9.73	-20.84	-253.64	-246.30	-28.17	-40.66
		404	714.73	72.23	-11.40	-10.49	71.32	8.70	-60.37	-289.19	-260.83	-88.73	-75.40
		347	258.44	52.88	-8.95	-6.76	50.69	11.43	75.27	-21.89	48.53	4.85	-43.39
583	9	847	166.65	33.57	-37.52	-36.50	32.55	8.44	67.21	48.22	55.64	59.80	-9.27
		327	638.10	68.37	-33.43	-32.92	67.87	7.14	-21.78	-235.29	-228.63	-28.44	-37.11
		404	662.41	67.66	-9.30	-8.88	67.24	5.67	-55.83	-267.65	-240.90	-82.59	-70.37
		347	241.61	35.56	-8.13	-5.74	33.18	9.92	71.03	-22.01	43.36	5.65	-42.53
583	10	847	170.92	42.88	-37.13	-35.88	41.63	9.93	68.20	48.64	55.61	61.23	-9.37
		327	646.05	67.63	-33.23	-32.40	66.81	9.07	-21.44	-238.51	-231.95	-28.00	-37.16
		404	669.17	67.09	-9.42	-8.58	66.25	7.96	-55.38	-270.57	-243.98	-81.97	-70.81
		347	245.33	44.63	-7.86	-5.43	42.19	11.04	72.11	-21.27	43.58	7.27	-43.02
583	11	847	210.16	-33.04	-60.40	-41.02	-52.42	12.44	75.94	35.78	51.28	60.45	-19.55
		327	642.75	60.47	-37.14	-36.52	59.84	7.80	-15.31	-234.64	-224.68	-25.28	-45.67
		404	673.54	58.89	-9.94	-9.76	58.71	3.55	-44.13	-267.61	-235.87	-75.87	-78.01
		347	276.33	-1.12	-56.83	-6.67	-51.28	16.68	79.02	-29.07	40.09	9.85	-51.89
584	1	548	216.82	42.63	13.88	15.26	41.25	-6.14	74.44	3.84	3.86	74.42	-1.15
		847	239.18	48.78	17.29	18.52	47.55	-6.11	90.40	59.35	61.41	88.34	-7.74
		347	161.68	47.60	-11.54	-11.01	47.07	-5.58	48.43	-4.29	48.29	-4.15	-2.73
		547	72.97	42.61	-8.73	-7.85	41.73	-6.67	-7.82	-19.51	-9.27	-18.06	3.86
584	2	548	231.19	56.78	14.40	14.79	56.38	-4.06	76.04	3.76	3.77	76.02	-1.02
		847	246.23	55.72	17.34	17.85	55.20	-4.41	92.03	59.65	61.52	90.16	-7.55
		347	162.05	55.09	-10.82	-10.55	54.82	-4.21	48.55	-2.48	48.44	-2.36	-2.39
		547	77.76	57.05	-7.74	-7.45	56.77	-4.26	-7.43	-18.39	-9.31	-16.50	4.14
584	3	548	243.60	72.77	14.33	14.43	72.67	-2.39	76.60	3.71	3.72	76.59	-0.93
		847	252.73	64.40	17.13	17.34	64.19	-3.11	92.95	60.08	61.90	91.13	-7.52
		347	165.59	64.03	-10.40	-10.26	63.89	-3.23	48.83	-1.78	48.74	-1.69	-2.12
		547	86.81	73.03	-7.26	-7.20	72.97	-2.27	-7.23	-18.45	-9.44	-16.24	4.46
584	4	548	485.40	31.64	-398.66	25.63	-392.66	-50.48	84.74	4.90	6.04	83.59	-9.48
		847	338.38	39.94	-206.24	32.96	-199.26	-40.86	105.06	52.98	64.22	93.82	-21.42
		347	255.72	-11.03	-207.28	-16.44	-201.87	-32.12	52.99	-9.95	46.36	-3.32	-19.33
		547	296.60	-3.56	-399.11	-12.64	-390.04	-59.22	-5.25	-20.11	-11.82	-13.55	-7.38
584	5	548	453.79	27.05	-302.23	22.54	-297.71	-38.30	96.50	3.69	4.84	95.34	-10.29

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		847	344.46	33.85	-156.69	28.64	-151.47	-31.08	116.35	54.94	63.75	107.54	-21.53
		347	199.92	-9.72	-157.67	-13.87	-153.52	-24.43	53.85	2.55	46.38	10.01	-18.09
		547	206.77	-3.52	-302.58	-10.44	-295.66	-44.95	1.23	-15.93	-12.52	-2.18	-6.85
584	6	548	394.65	22.54	-233.82	19.32	-230.59	-28.57	91.19	0.31	2.78	88.72	-14.78
		847	315.29	28.08	-117.70	24.41	-114.03	-22.84	113.16	48.73	59.69	102.20	-24.21
		347	185.15	-8.73	-118.56	-11.60	-115.69	-17.52	52.31	-1.82	43.89	6.60	-19.62
		547	177.14	-3.54	-234.03	-8.63	-228.93	-33.89	0.69	-20.59	-13.01	-6.88	-10.19
584	7	548	209.40	36.24	13.19	15.58	33.85	-7.02	73.65	4.10	4.11	73.64	-0.67
		847	235.54	45.50	17.20	18.94	43.75	-6.81	89.38	59.80	61.82	87.36	-7.45
		347	162.65	43.91	-11.87	-11.19	43.23	-6.12	48.66	-5.38	48.53	-5.25	-2.61
		547	71.80	35.73	-9.36	-8.00	34.37	-7.71	-7.64	-20.50	-9.17	-18.97	4.17
584	8	548	181.44	57.57	12.11	12.23	57.45	-2.33	56.08	2.09	2.10	56.07	-0.73
		847	186.26	52.00	14.51	14.73	51.78	-2.86	67.28	43.92	44.83	66.37	-4.52
		347	126.38	51.65	-9.06	-8.92	51.51	-2.90	36.03	-1.91	36.02	-1.89	-0.76
		547	67.32	57.80	-6.39	-6.31	57.72	-2.29	-5.36	-13.54	-6.71	-12.19	3.03
584	9	548	160.41	30.55	9.53	10.31	29.77	-3.98	55.35	3.23	3.24	55.34	-0.68
		847	177.38	34.02	11.75	12.49	33.28	-4.00	67.61	44.23	45.94	65.89	-6.10
		347	117.25	33.30	-7.65	-7.32	32.97	-3.67	35.94	-2.49	35.81	-2.36	-2.25
		547	52.55	30.60	-5.71	-5.20	30.08	-4.31	-5.54	-14.27	-6.90	-12.91	3.16
584	10	548	175.30	47.32	9.76	9.85	47.22	-1.89	56.54	3.15	3.16	56.54	-0.56
		847	184.83	42.70	11.66	11.84	42.52	-2.33	69.01	44.65	46.21	67.45	-5.97
		347	119.38	42.42	-7.02	-6.91	42.31	-2.37	36.16	-1.09	36.06	-0.99	-1.92
		547	60.08	47.50	-4.90	-4.83	47.43	-1.86	-5.17	-13.72	-6.99	-11.90	3.50
584	11	548	250.98	14.56	-123.25	12.57	-121.26	-16.44	64.38	1.54	2.64	63.28	-8.25
		847	210.07	18.13	-58.85	15.77	-56.49	-13.29	80.20	38.38	44.98	73.60	-15.25
		347	120.70	-5.60	-59.50	-7.65	-57.46	-10.30	37.37	-0.40	33.36	3.61	-11.64
		547	97.93	-2.43	-123.49	-5.63	-120.29	-19.43	-3.07	-12.62	-8.98	-6.70	-4.64
585	1	547	174.25	65.23	-7.66	-7.26	64.83	-5.39	24.34	-32.31	24.10	-32.07	-3.65
		347	161.24	37.71	-7.90	-7.26	37.07	-5.37	13.55	-44.06	9.60	-40.11	-14.56
		675	213.66	37.75	-5.53	-4.85	37.07	-5.37	1.25	-71.64	-4.47	-65.92	-19.60
		676	216.82	65.24	-5.26	-4.85	64.83	-5.39	11.13	-58.98	10.03	-57.89	-8.70
585	2	547	178.67	79.06	-7.21	-6.96	78.81	-4.67	24.36	-30.60	24.13	-30.37	-3.54
		347	161.21	44.20	-7.38	-6.96	43.78	-4.65	13.62	-42.44	9.59	-38.40	-14.49
		675	213.83	44.22	-5.27	-4.83	43.78	-4.65	1.28	-70.09	-4.53	-64.27	-19.53
		676	221.68	79.07	-5.09	-4.83	78.81	-4.67	11.10	-57.34	10.01	-56.25	-8.58
585	3	547	187.52	95.27	-6.82	-6.62	95.06	-4.53	24.50	-29.99	24.29	-29.78	-3.36
		347	164.81	52.59	-6.96	-6.62	52.25	-4.51	13.57	-41.94	9.49	-37.86	-14.48
		675	217.12	52.60	-5.18	-4.83	52.25	-4.51	1.12	-69.47	-4.77	-63.58	-19.53
		676	230.29	95.27	-5.03	-4.83	95.06	-4.53	11.09	-56.56	10.02	-55.49	-8.42
585	4	547	365.21	-13.34	-362.64	-13.79	-362.20	-12.46	29.91	-34.36	25.35	-29.81	-16.50
		347	283.41	-12.95	-201.46	-13.79	-200.62	-12.56	23.63	-50.74	10.09	-37.19	-28.70
		675	339.70	-1.43	-201.41	-2.22	-200.62	-12.56	9.68	-78.50	-5.34	-63.48	-33.15
		676	419.11	-1.79	-362.63	-2.22	-362.20	-12.46	16.01	-62.18	9.92	-56.09	-20.95
585	5	547	279.27	-11.50	-273.19	-11.80	-272.89	-8.82	31.28	-23.92	25.26	-17.90	-17.21
		347	232.60	-11.26	-158.35	-11.80	-157.81	-8.88	26.30	-41.91	9.27	-24.88	-29.53
		675	286.58	-1.81	-158.31	-2.31	-157.81	-8.88	11.54	-69.44	-6.33	-51.57	-33.58
		676	331.87	-2.03	-273.18	-2.31	-272.89	-8.82	17.01	-51.93	9.67	-44.60	-21.26
585	6	547	257.73	-10.44	-214.53	-10.54	-214.43	-4.53	31.01	-30.62	23.91	-23.52	-19.68
		347	223.38	-10.35	-121.39	-10.54	-121.20	-4.58	25.65	-46.77	8.25	-29.37	-30.94
		675	276.33	-3.14	-121.38	-3.31	-121.20	-4.58	10.86	-73.98	-6.36	-56.76	-34.13
		676	311.05	-3.22	-214.52	-3.31	-214.43	-4.53	16.99	-58.60	9.29	-50.90	-22.87
585	7	547	172.04	58.31	-7.90	-7.42	57.83	-5.63	24.42	-33.03	24.23	-32.84	-3.28
		347	160.93	34.22	-8.18	-7.42	33.46	-5.62	13.49	-44.75	9.74	-41.00	-14.29
		675	212.94	34.27	-5.60	-4.79	33.46	-5.62	1.15	-72.25	-4.42	-66.68	-19.44
		676	213.72	58.33	-5.29	-4.79	57.83	-5.63	11.09	-59.54	10.07	-58.52	-8.42
585	8	547	144.67	76.22	-6.05	-5.89	76.06	-3.60	18.16	-22.85	18.04	-22.73	-2.23
		347	127.21	41.84	-6.16	-5.89	41.57	-3.58	9.65	-32.37	6.89	-29.61	-10.41
		675	165.84	41.85	-4.08	-3.80	41.57	-3.58	0.92	-52.67	-3.57	-48.18	-14.85
		676	175.37	76.22	-3.96	-3.80	76.06	-3.60	8.47	-42.19	7.58	-41.30	-6.66
585	9	547	125.15	46.10	-5.05	-4.77	45.83	-3.73	17.91	-23.13	17.73	-22.95	-2.67
		347	115.55	26.62	-5.21	-4.77	26.18	-3.72	10.30	-31.35	7.34	-28.40	-10.69
		675	154.19	26.64	-3.85	-3.39	26.18	-3.72	1.02	-51.74	-3.04	-47.68	-14.05
		676	157.07	46.11	-3.67	-3.39	45.83	-3.73	8.08	-42.96	7.35	-42.24	-6.04
585	10	547	132.50	62.79	-4.58	-4.42	62.63	-3.25	18.00	-21.84	17.84	-21.68	-2.51
		347	117.53	34.87	-4.68	-4.42	34.61	-3.23	10.31	-30.17	7.28	-27.15	-10.64
		675	156.11	34.88	-3.65	-3.38	34.61	-3.23	0.94	-50.53	-3.21	-46.38	-14.01
		676	164.55	62.79	-3.54	-3.38	62.63	-3.25	8.06	-41.62	7.35	-40.91	-5.88
585	11	547	158.12	-6.49	-109.41	-6.60	-109.31	-3.25	21.04	-21.62	17.62	-18.20	-11.58
		347	144.11	-6.40	-61.94	-6.60	-61.75	-3.28	16.62	-32.46	6.59	-22.43	-19.79
		675	182.72	-2.36	-61.93	-2.54	-61.75	-3.28	5.99	-52.67	-4.09	-42.59	-22.12
		676	196.31	-2.44	-109.41	-2.54	-109.31	-3.25	10.87	-42.29	6.94	-38.36	-13.91
586	1	347	353.95	48.58	-25.20	-14.34	37.72	26.15	-5.49	-122.25	-52.93	-74.81	-57.35

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		404	661.62	8.69	-44.11	-14.34	-21.08	26.18	-14.16	-251.71	-239.65	-26.21	-52.14
		324	641.67	26.66	-35.44	12.31	-21.08	26.18	5.10	-231.55	-231.46	5.01	-4.66
		675	154.76	54.08	-4.06	12.31	37.72	26.15	-34.28	-54.04	-44.73	-43.58	-9.86
586	2	347	355.86	55.54	-25.22	-14.12	44.44	27.80	-5.00	-121.48	-53.22	-73.26	-57.37
		404	666.65	9.22	-47.34	-14.12	-24.01	27.84	-12.75	-252.34	-240.49	-24.60	-51.94
		324	647.24	27.66	-39.01	12.66	-24.01	27.84	6.93	-232.15	-232.07	6.85	-4.37
		675	155.61	60.57	-3.47	12.66	44.44	27.80	-33.39	-53.22	-44.80	-41.81	-9.80
586	3	347	360.84	63.63	-24.64	-13.95	52.94	28.79	-5.18	-122.21	-54.20	-73.19	-57.74
		404	676.61	9.37	-49.61	-13.95	-26.29	28.84	-12.41	-255.50	-243.72	-24.19	-52.20
		324	658.57	28.59	-41.44	13.44	-26.29	28.84	8.25	-235.17	-235.10	8.18	-4.22
		675	158.55	68.11	-1.72	13.44	52.94	28.79	-33.14	-53.25	-45.58	-40.82	-9.77
586	4	347	426.78	-7.61	-199.85	-8.06	-199.40	9.29	8.91	-135.40	-54.14	-72.36	-71.58
		404	687.61	-0.74	-19.56	-8.06	-12.23	9.18	-0.94	-257.05	-237.06	-20.93	-68.70
		324	649.99	15.10	-15.31	12.01	-12.23	9.18	11.86	-232.41	-230.82	10.28	-19.62
		675	229.91	12.42	-199.80	12.01	-199.40	9.29	-21.77	-67.28	-47.90	-41.15	-22.50
586	5	347	393.80	-5.48	-158.70	-7.65	-156.53	18.10	13.72	-132.68	-57.52	-61.44	-73.18
		404	729.67	2.19	-40.66	-7.65	-30.81	18.03	9.43	-263.64	-245.15	-9.06	-68.60
		324	696.76	20.65	-37.12	14.33	-30.81	18.03	25.44	-238.55	-237.25	24.14	-18.51
		675	203.34	16.23	-158.42	14.33	-156.53	18.10	-13.49	-64.37	-49.61	-28.24	-23.09
586	6	347	388.13	-5.62	-126.20	-11.45	-120.36	25.87	11.75	-134.34	-57.10	-65.49	-72.92
		404	700.96	10.33	-42.04	-11.45	-20.26	25.82	3.93	-256.14	-237.74	-14.47	-66.69
		324	658.85	25.47	-34.83	10.89	-20.26	25.82	18.83	-229.91	-228.59	17.51	-18.08
		675	193.20	15.81	-125.28	10.89	-120.36	25.87	-15.36	-66.09	-47.95	-33.50	-24.31
586	7	347	352.98	45.34	-25.38	-14.17	34.12	25.83	-5.97	-122.58	-52.82	-75.73	-57.17
		404	661.05	8.74	-43.37	-14.17	-20.47	25.86	-15.05	-251.99	-239.90	-27.13	-52.13
		324	641.38	26.57	-34.69	12.35	-20.47	25.86	4.37	-231.92	-231.83	4.28	-4.62
		675	153.92	51.27	-4.80	12.35	34.12	25.83	-34.88	-54.19	-44.74	-44.32	-9.65
586	8	347	273.55	50.21	-19.73	-11.58	42.07	22.44	-3.50	-91.90	-39.85	-55.55	-43.50
		404	513.75	6.80	-39.06	-11.58	-20.69	22.47	-10.18	-194.45	-185.66	-18.97	-39.27
		324	500.12	21.60	-32.63	9.66	-20.69	22.47	5.19	-179.21	-179.15	5.14	-3.11
		675	120.49	53.54	-1.82	9.66	42.07	22.44	-25.00	-39.79	-33.35	-31.44	-7.34
586	9	347	255.41	34.50	-17.56	-9.72	26.67	18.62	-3.98	-88.40	-38.54	-53.84	-41.51
		404	477.09	6.39	-31.28	-9.72	-15.17	18.64	-9.51	-181.06	-172.28	-18.30	-37.82
		324	462.46	19.29	-25.25	9.21	-15.17	18.64	4.29	-166.48	-166.42	4.23	-3.32
		675	111.42	38.50	-2.62	9.21	26.67	18.62	-24.96	-39.04	-32.69	-31.32	-7.01
586	10	347	259.24	42.83	-17.22	-9.51	35.13	20.09	-3.81	-88.38	-39.25	-52.94	-41.73
		404	485.42	6.78	-34.35	-9.51	-18.06	20.12	-8.55	-183.17	-174.54	-17.18	-37.85
		324	471.85	20.37	-28.59	9.84	-18.06	20.12	6.04	-168.50	-168.44	5.99	-3.08
		675	113.52	46.22	-1.25	9.84	35.13	20.09	-24.31	-38.62	-33.16	-29.78	-6.95
586	11	347	271.01	-2.32	-66.95	-8.12	-61.16	18.47	5.55	-95.08	-40.86	-48.66	-50.16
		404	498.69	7.32	-30.15	-8.12	-14.71	18.44	0.49	-183.48	-171.21	-11.78	-45.91
		324	471.60	18.62	-24.91	8.42	-14.71	18.44	11.83	-165.48	-164.83	11.17	-10.78
		675	125.76	13.02	-65.75	8.42	-61.16	18.47	-14.43	-45.75	-34.47	-25.72	-15.04
587	1	675	193.96	37.50	5.04	7.75	34.79	8.97	-46.00	-74.48	-50.80	-69.68	-10.66
		324	625.17	8.54	-94.96	7.75	-94.17	9.05	-22.10	-232.00	-231.74	-22.36	7.38
		394	661.50	2.14	-95.02	1.29	-94.17	9.05	22.13	-223.10	-219.26	18.29	30.46
		673	112.16	37.04	-0.96	1.29	34.79	8.97	-20.41	-46.93	-38.31	-29.03	12.42
587	2	675	194.38	43.88	5.04	8.08	40.83	10.44	-45.92	-73.15	-50.95	-68.12	-10.57
		324	629.94	9.13	-97.78	8.08	-96.74	10.52	-20.51	-232.60	-232.33	-20.78	7.64
		394	667.01	2.69	-97.85	1.57	-96.74	10.52	24.07	-223.61	-219.73	20.19	30.74
		673	112.27	43.43	-1.03	1.57	40.83	10.44	-19.02	-46.47	-38.36	-27.14	12.53
587	3	675	197.30	51.83	6.01	8.77	49.07	10.90	-46.53	-72.59	-51.83	-67.29	-10.49
		324	641.10	9.87	-101.33	8.77	-100.23	10.99	-19.33	-235.58	-235.29	-19.62	7.88
		394	679.41	3.50	-101.39	2.34	-100.23	10.99	25.85	-226.47	-222.56	21.94	31.18
		673	115.31	51.48	-0.08	2.34	49.07	10.90	-17.97	-46.86	-39.10	-25.73	12.81
587	4	675	290.58	7.48	-192.27	7.15	-191.94	-8.06	-34.91	-84.52	-52.94	-66.49	-23.86
		324	634.19	7.76	-101.36	7.15	-100.75	-8.12	-17.60	-232.33	-232.12	-17.81	-6.59
		394	664.88	2.44	-101.39	1.80	-100.75	-8.12	22.53	-221.31	-220.14	21.36	16.88
		673	174.44	2.14	-192.28	1.80	-191.94	-8.06	-27.31	-40.97	-40.96	-27.32	-0.40
587	5	675	243.63	9.34	-152.59	9.34	-152.58	-0.58	-31.10	-79.37	-55.23	-55.24	-24.13
		324	676.14	9.34	-117.98	9.34	-117.98	-0.60	-5.74	-238.54	-238.40	-5.88	-5.69
		394	711.86	3.59	-117.98	3.59	-117.98	-0.60	36.69	-226.92	-225.66	35.43	18.16
		673	158.22	3.59	-152.59	3.59	-152.58	-0.58	-13.92	-42.50	-42.49	-13.92	-0.28
587	6	675	236.49	6.87	-121.34	6.10	-120.57	9.86	-32.51	-82.84	-53.67	-61.68	-24.84
		324	634.33	7.01	-100.79	6.10	-99.88	9.85	-13.26	-230.08	-229.90	-13.44	-6.17
		394	663.31	1.05	-100.84	0.09	-99.88	9.85	28.46	-218.32	-217.14	27.27	17.03
		673	124.99	0.89	-121.38	0.09	-120.57	9.86	-20.84	-41.05	-40.91	-20.97	-1.64
587	7	675	193.13	34.19	4.96	7.75	31.39	8.60	-46.23	-74.86	-50.81	-70.29	-10.49
		324	625.41	8.48	-95.07	7.75	-94.34	8.67	-22.64	-232.34	-232.07	-22.91	7.50
		394	661.96	2.18	-95.12	1.40	-94.34	8.67	21.69	-223.48	-219.60	17.81	30.61
		673	112.44	33.68	-0.89	1.40	31.39	8.60	-20.59	-47.31	-38.33	-29.57	12.62
587	8	675	150.12	40.83	3.78	6.06	38.55	8.91	-34.13	-54.98	-38.14	-50.96	-8.22

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		324	487.84	7.02	-78.07	6.06	-77.11	8.98	-14.61	-179.27	-179.05	-14.84	6.02
		394	517.55	2.09	-78.13	1.08	-77.11	8.98	20.42	-172.14	-169.17	17.45	23.75
		673	85.40	40.56	-0.93	1.08	38.55	8.91	-12.82	-34.12	-28.26	-18.68	9.51
587	9	675	139.94	26.64	4.11	5.96	24.78	6.20	-33.67	-53.78	-36.97	-50.47	-7.45
		324	450.01	6.49	-67.91	5.96	-67.38	6.25	-16.08	-167.04	-166.84	-16.28	5.44
		394	476.02	1.89	-67.94	1.32	-67.38	6.25	15.54	-160.74	-157.93	12.73	22.09
		673	82.67	26.32	-0.21	1.32	24.78	6.20	-14.99	-34.53	-28.06	-21.46	9.20
587	10	675	141.80	34.59	4.65	6.53	32.71	7.27	-33.98	-52.71	-37.55	-49.15	-7.36
		324	458.85	7.22	-71.44	6.53	-70.75	7.33	-14.54	-169.03	-168.82	-14.75	5.72
		394	485.95	2.64	-71.48	1.91	-70.75	7.33	17.61	-162.61	-159.76	14.76	22.49
		673	83.48	34.34	0.28	1.91	32.71	7.27	-13.66	-34.46	-28.49	-19.63	9.41
587	11	675	156.21	5.72	-62.20	5.05	-61.54	6.69	-26.52	-58.07	-38.57	-46.03	-15.33
		324	454.55	5.64	-71.15	5.05	-70.56	6.70	-11.29	-165.85	-165.82	-11.32	-2.08
		394	476.47	1.28	-71.18	0.66	-70.56	6.70	18.94	-157.97	-156.75	17.72	14.63
		673	83.77	1.37	-62.25	0.66	-61.54	6.69	-16.84	-29.65	-29.50	-16.99	1.38
588	1	676	212.09	72.41	-4.67	-4.61	72.35	2.10	15.28	-53.27	10.72	-48.71	-17.08
		675	177.91	33.67	-4.73	-4.61	33.55	2.12	-1.97	-58.77	-3.07	-57.68	-7.81
		673	124.09	33.67	-6.97	-6.86	33.55	2.12	7.94	-33.18	4.90	-30.14	-10.75
		639	169.18	72.41	-6.91	-6.86	72.35	2.10	27.01	-29.49	18.69	-21.17	-20.02
588	2	676	215.89	85.37	-4.77	-4.69	85.29	2.72	15.35	-51.61	10.72	-46.97	-16.99
		675	177.33	39.72	-4.86	-4.69	39.55	2.75	-2.02	-57.06	-3.13	-55.95	-7.72
		673	123.52	39.72	-6.93	-6.77	39.55	2.75	7.97	-31.53	4.85	-28.40	-10.66
		639	172.43	85.37	-6.85	-6.77	85.29	2.72	27.21	-27.94	18.70	-19.42	-19.93
588	3	676	223.20	101.54	-4.79	-4.71	101.47	2.76	15.45	-50.58	10.77	-45.90	-16.94
		675	179.67	47.85	-4.86	-4.71	47.71	2.79	-2.23	-56.04	-3.33	-54.94	-7.62
		673	124.73	47.85	-6.84	-6.70	47.71	2.79	7.91	-30.22	4.71	-27.03	-10.57
		639	178.05	101.54	-6.77	-6.70	101.47	2.76	27.51	-26.68	18.81	-17.99	-19.89
588	4	676	398.60	-0.63	-345.07	-0.73	-344.97	-5.67	23.42	-60.03	10.82	-47.44	-29.87
		675	288.37	-0.55	-193.14	-0.73	-192.97	-5.76	3.08	-62.35	-4.20	-55.07	-20.58
		673	233.60	-7.26	-193.15	-7.43	-192.97	-5.76	15.88	-39.64	3.79	-27.55	-22.92
		639	345.11	-7.34	-345.07	-7.43	-344.97	-5.67	37.03	-38.14	18.81	-19.91	-32.21
588	5	676	317.44	-1.34	-261.03	-1.36	-261.01	-2.44	25.81	-50.50	10.72	-35.42	-30.39
		675	231.93	-1.32	-153.90	-1.36	-153.86	-2.51	4.08	-52.07	-5.23	-42.76	-20.88
		673	180.92	-6.90	-153.90	-6.95	-153.86	-2.51	18.70	-30.77	2.90	-14.97	-23.07
		639	268.72	-6.92	-261.03	-6.95	-261.01	-2.44	40.77	-29.55	18.85	-7.63	-32.57
588	6	676	303.08	-3.02	-209.67	-3.05	-209.64	2.59	25.10	-57.46	10.28	-42.64	-31.68
		675	226.91	-2.99	-121.62	-3.05	-121.56	2.54	3.74	-58.30	-5.44	-49.12	-22.03
		673	178.25	-7.04	-121.62	-7.09	-121.56	2.54	17.02	-36.95	2.61	-22.55	-23.88
		639	257.71	-7.06	-209.67	-7.09	-209.64	2.59	38.82	-36.55	18.33	-16.06	-33.53
588	7	676	208.83	65.82	-4.56	-4.51	65.77	1.84	15.16	-53.63	10.76	-49.24	-16.83
		675	177.08	30.25	-4.61	-4.51	30.15	1.86	-1.96	-59.32	-2.99	-58.29	-7.60
		673	122.92	30.24	-6.98	-6.89	30.15	1.86	7.88	-33.55	4.98	-30.65	-10.58
		639	166.00	65.81	-6.93	-6.89	65.77	1.84	26.83	-29.70	18.73	-21.60	-19.80
588	8	676	168.77	81.30	-3.79	-3.73	81.24	2.35	11.62	-37.22	8.00	-33.61	-12.79
		675	136.84	37.70	-3.86	-3.73	37.57	2.38	-1.36	-42.18	-2.25	-41.29	-5.96
		673	96.26	37.70	-5.46	-5.33	37.57	2.38	6.47	-22.96	3.72	-20.21	-8.56
		639	135.47	81.30	-5.40	-5.33	81.24	2.35	21.03	-19.58	13.97	-12.53	-15.39
588	9	676	154.14	51.04	-3.26	-3.22	51.01	1.42	11.13	-39.06	7.91	-35.85	-12.29
		675	128.93	23.93	-3.30	-3.22	23.86	1.43	-1.42	-42.72	-2.15	-41.99	-5.44
		673	89.36	23.93	-4.85	-4.78	23.86	1.43	5.69	-23.97	3.70	-21.98	-7.42
		639	122.49	51.04	-4.81	-4.78	51.01	1.42	19.52	-21.60	13.76	-15.84	-14.26
588	10	676	160.33	67.23	-3.32	-3.28	67.18	1.78	11.22	-37.57	7.94	-34.29	-12.21
		675	129.91	31.81	-3.37	-3.28	31.72	1.80	-1.56	-41.20	-2.29	-40.47	-5.33
		673	89.72	31.81	-4.78	-4.69	31.72	1.80	5.66	-22.31	3.60	-20.25	-7.32
		639	127.44	67.23	-4.73	-4.69	67.18	1.78	19.78	-20.02	13.83	-14.07	-14.19
588	11	676	191.04	-2.33	-105.68	-2.35	-105.65	1.69	16.22	-41.02	7.67	-32.48	-20.40
		675	148.30	-2.31	-62.37	-2.35	-62.32	1.66	1.16	-41.87	-3.47	-37.24	-13.34
		673	112.06	-4.86	-62.37	-4.91	-62.32	1.66	10.18	-25.50	2.43	-17.76	-14.71
		639	159.09	-4.88	-105.68	-4.91	-105.65	1.69	25.79	-25.22	13.57	-13.00	-21.77
589	1	673	96.65	32.41	2.01	2.08	32.34	-1.40	-4.67	-33.08	-14.49	-23.26	13.51
		394	671.29	2.10	-78.56	2.08	-78.54	-1.33	-18.83	-251.16	-247.26	-22.73	29.83
		328	711.54	-12.26	-78.56	-12.28	-78.54	-1.33	32.79	-240.19	-234.40	26.99	39.35
		671	144.10	32.39	-12.33	-12.28	32.34	-1.40	39.39	-14.55	-1.62	26.46	23.03
589	2	673	95.57	38.04	2.34	2.34	38.04	-0.08	-4.02	-32.15	-14.56	-21.61	13.62
		394	675.67	2.34	-81.11	2.34	-81.11	-0.01	-17.15	-251.70	-247.76	-21.08	30.12
		328	716.95	-12.06	-81.11	-12.06	-81.11	-0.01	34.84	-240.61	-234.78	29.01	39.65
		671	151.88	38.04	-12.06	-12.06	38.04	-0.08	41.05	-14.15	-1.58	28.49	23.15
589	3	673	97.41	46.14	3.10	3.10	46.14	-0.08	-3.48	-31.76	-15.11	-20.12	13.91
		394	687.58	3.10	-84.61	3.10	-84.61	-7.58e-03	-15.64	-254.77	-250.81	-19.60	30.53
		328	730.25	-11.35	-84.61	-11.35	-84.61	-7.58e-03	36.93	-243.58	-237.70	31.06	40.16
		671	161.28	46.14	-11.35	-11.35	46.14	-0.08	42.89	-14.35	-2.01	30.54	23.54
589	4	673	165.76	4.48	-193.01	2.82	-191.36	-18.02	-17.81	-21.01	-18.02	-20.80	0.79

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		394	671.00	6.42	-87.94	2.82	-84.33	-18.08	-17.27	-248.15	-247.02	-18.40	16.09
		328	709.19	-6.82	-88.55	-11.04	-84.33	-18.08	31.23	-237.46	-234.91	28.67	26.08
		671	213.94	-9.26	-193.14	-11.04	-191.36	-18.02	29.55	-9.18	-5.90	26.28	10.78
589	5	673	117.81	5.37	-154.49	4.53	-153.65	-11.58	-8.81	-19.61	-19.53	-8.89	0.94
		394	710.61	5.78	-102.51	4.53	-101.25	-11.61	-5.02	-254.19	-252.98	-6.23	17.31
		328	755.49	-8.18	-102.70	-9.63	-101.25	-11.61	45.82	-242.79	-240.13	43.16	27.57
		671	225.92	-8.71	-154.58	-9.63	-153.65	-11.58	43.02	-9.20	-6.68	40.50	11.19
589	6	673	113.55	0.90	-124.02	0.90	-124.02	0.57	-17.52	-18.76	-18.60	-17.68	-0.41
		394	663.60	0.90	-82.97	0.90	-82.97	0.54	-13.70	-245.20	-244.06	-14.83	16.17
		328	702.72	-12.84	-82.97	-12.84	-82.97	0.54	36.39	-233.78	-231.22	33.84	26.16
		671	174.35	-12.84	-124.02	-12.84	-124.02	0.57	33.34	-8.10	-5.76	30.99	9.58
589	7	673	96.79	29.10	2.06	2.19	28.98	-1.83	-4.61	-33.51	-14.48	-23.64	13.70
		394	672.09	2.22	-78.85	2.19	-78.81	-1.77	-19.18	-251.54	-247.60	-23.12	29.99
		328	712.40	-12.11	-78.86	-12.16	-78.81	-1.77	32.51	-240.59	-234.74	26.66	39.52
		671	142.30	29.06	-12.24	-12.16	28.98	-1.83	39.32	-14.81	-1.62	26.14	23.23
589	8	673	72.17	36.37	1.63	1.64	36.36	0.63	-1.74	-22.73	-9.68	-14.79	10.18
		394	524.19	1.65	-65.48	1.64	-65.47	0.69	-11.51	-194.14	-191.09	-14.56	23.41
		328	557.97	-9.66	-65.48	-9.67	-65.47	0.69	29.88	-185.20	-180.70	25.39	30.77
		671	124.33	36.37	-9.67	-9.67	36.36	0.63	34.31	-8.44	0.70	25.16	17.53
589	9	673	71.26	23.08	1.82	1.89	23.00	-1.29	-3.54	-24.55	-11.01	-17.08	10.06
		394	482.96	1.92	-56.12	1.89	-56.10	-1.24	-13.85	-180.78	-177.94	-16.69	21.57
		328	511.53	-8.26	-56.13	-8.30	-56.10	-1.24	22.84	-173.05	-168.84	18.64	28.39
		671	103.62	23.05	-8.35	-8.30	23.00	-1.29	27.83	-11.49	-1.91	18.25	16.88
589	10	673	71.69	30.67	2.45	2.46	30.66	-0.56	-2.87	-23.82	-11.36	-15.33	10.28
		394	491.98	2.46	-59.48	2.46	-59.47	-0.51	-12.08	-182.78	-179.91	-14.95	21.96
		328	521.89	-7.77	-59.48	-7.78	-59.47	-0.51	25.15	-174.93	-170.68	20.90	28.84
		671	113.00	30.67	-7.79	-7.78	30.66	-0.56	29.76	-11.37	-2.12	20.52	17.17
589	11	673	70.14	1.24	-63.87	1.24	-63.87	-0.20	-11.29	-15.98	-13.29	-13.97	2.32
		394	478.16	1.24	-58.56	1.24	-58.56	-0.20	-11.12	-177.35	-176.17	-12.30	13.97
		328	506.15	-8.61	-58.56	-8.61	-58.56	-0.20	24.75	-169.39	-167.07	22.44	21.07
		671	109.87	-8.61	-63.87	-8.61	-63.87	-0.20	23.92	-7.35	-4.20	20.77	9.41
590	1	639	134.86	67.01	-8.22	-7.32	66.12	8.16	20.94	-24.89	4.58	-8.54	-21.96
		673	130.41	33.71	-8.95	-7.32	32.08	8.18	23.62	-22.12	21.72	-20.22	-9.14
		671	115.01	33.70	-9.12	-7.50	32.08	8.18	47.95	18.54	34.44	32.05	-14.65
		850	186.29	67.01	-8.39	-7.50	66.12	8.16	61.00	0.03	17.30	43.73	-27.47
590	2	639	136.90	79.28	-8.17	-7.29	78.39	8.75	21.52	-23.64	4.57	-6.69	-21.87
		673	129.58	39.40	-8.94	-7.29	37.76	8.77	23.65	-20.33	21.71	-18.38	-9.05
		671	118.88	39.40	-9.08	-7.44	37.76	8.77	48.74	19.60	34.43	33.91	-14.57
		850	195.74	79.27	-8.32	-7.44	78.39	8.75	62.27	0.62	17.29	45.60	-27.39
590	3	639	140.58	95.35	-7.97	-7.23	94.61	8.73	22.14	-22.60	4.57	-5.03	-21.85
		673	130.38	47.19	-8.64	-7.23	45.78	8.76	23.71	-18.80	21.74	-16.83	-8.94
		671	125.83	47.18	-8.72	-7.31	45.78	8.76	49.82	20.78	34.57	36.03	-14.50
		850	209.10	95.35	-8.05	-7.31	94.61	8.73	63.97	1.27	17.41	47.83	-27.42
590	4	639	298.67	-7.15	-341.45	-7.15	-341.45	-0.09	33.46	-36.52	4.83	-7.88	-34.41
		673	229.26	-7.15	-191.71	-7.15	-191.71	-0.18	29.39	-28.17	20.23	-19.01	-21.06
		671	224.68	-7.32	-191.71	-7.32	-191.71	-0.18	59.78	7.25	33.28	33.75	-26.27
		850	372.26	-7.32	-341.45	-7.32	-341.45	-0.09	73.23	-10.48	17.87	44.87	-39.62
590	5	639	243.07	-6.93	-261.04	-6.96	-261.01	2.97	39.56	-29.99	4.61	4.96	-34.77
		673	176.40	-6.91	-154.22	-6.96	-154.16	2.90	31.65	-18.01	19.71	-6.08	-21.22
		671	235.12	-6.86	-154.22	-6.92	-154.16	2.90	67.33	12.69	32.92	47.11	-26.38
		850	359.39	-6.89	-261.04	-6.92	-261.01	2.97	82.72	-6.76	17.81	58.15	-39.94
590	6	639	220.92	-7.26	-216.01	-7.61	-215.66	8.53	36.04	-35.68	4.35	-3.99	-35.61
		673	175.79	-7.00	-124.79	-7.61	-124.18	8.47	30.04	-25.48	19.02	-14.46	-22.15
		671	206.63	-6.55	-124.79	-7.16	-124.18	8.47	61.53	7.19	31.94	36.78	-27.06
		850	316.96	-6.82	-216.01	-7.16	-215.66	8.53	75.47	-10.95	17.27	47.25	-40.52
590	7	639	132.09	60.79	-8.24	-7.33	59.88	7.90	20.64	-24.91	4.62	-8.89	-21.75
		673	129.20	30.36	-8.99	-7.33	28.70	7.92	23.62	-22.44	21.81	-20.63	-8.95
		671	114.67	30.36	-9.14	-7.49	28.70	7.92	47.72	18.61	34.54	31.79	-14.49
		850	182.44	60.79	-8.40	-7.49	59.88	7.90	60.72	0.17	17.35	43.54	-27.30
590	8	639	106.43	76.10	-6.40	-5.77	75.47	7.18	17.40	-16.45	3.21	-2.26	-16.70
		673	98.94	37.33	-6.97	-5.77	36.12	7.20	18.61	-13.24	16.78	-11.41	-7.41
		671	98.39	37.31	-7.52	-6.33	36.12	7.20	38.86	15.31	26.18	27.99	-11.74
		850	163.34	76.10	-6.95	-6.33	75.47	7.18	49.23	0.53	12.61	37.15	-21.03
590	9	639	97.67	47.37	-5.69	-5.09	46.77	5.60	14.90	-18.30	3.52	-6.91	-15.76
		673	94.92	23.87	-6.18	-5.09	22.79	5.62	17.00	-16.52	15.81	-15.33	-6.20
		671	81.92	23.88	-6.09	-4.99	22.79	5.62	34.32	13.84	25.21	22.95	-10.18
		850	133.22	47.37	-5.59	-4.99	46.77	5.60	43.92	0.36	12.92	31.37	-19.73
590	10	639	100.89	63.11	-5.56	-5.04	62.60	5.92	15.53	-16.99	3.51	-4.97	-15.70
		673	94.91	31.36	-6.01	-5.04	30.39	5.94	17.04	-14.67	15.83	-13.45	-6.09
		671	87.90	31.37	-5.86	-4.89	30.39	5.94	35.32	15.13	25.29	25.16	-10.09
		850	145.68	63.12	-5.40	-4.89	62.60	5.92	45.55	1.07	12.98	33.65	-19.70
590	11	639	133.90	-4.94	-110.09	-5.26	-109.77	5.81	23.16	-24.16	3.39	-4.39	-23.34

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		673	111.80	-4.69	-64.59	-5.26	-64.02	5.78	19.94	-17.76	14.31	-12.13	-13.43
		671	129.08	-4.25	-64.58	-4.81	-64.02	5.78	41.79	7.61	23.82	25.58	-17.07
		850	197.03	-4.49	-110.09	-4.81	-109.77	5.81	51.96	-5.74	12.90	33.32	-26.98
591	1	671	328.95	19.95	-9.72	-7.53	17.76	7.76	135.20	45.95	76.33	104.83	42.29
		328	807.10	-4.49	-17.37	-9.37	-12.49	6.25	-36.68	-317.35	-306.42	-47.61	54.30
		381	876.94	-10.26	-34.12	-32.08	-12.30	6.67	46.57	-296.79	-296.61	46.39	7.82
		672	473.76	18.60	-34.87	-33.84	17.57	7.34	198.98	85.97	86.13	198.83	-4.19
591	2	671	335.58	25.54	-9.77	-7.18	22.95	9.20	136.66	46.48	76.45	106.69	42.48
		328	810.00	-4.22	-20.05	-9.03	-15.24	7.28	-34.91	-317.90	-306.90	-45.91	54.70
		381	880.20	-11.98	-34.93	-31.85	-15.05	7.82	48.77	-297.14	-296.95	48.58	8.18
		672	482.60	24.07	-34.90	-33.60	22.77	8.66	201.32	86.27	86.41	201.17	-4.04
591	3	671	345.18	32.99	-8.52	-6.39	30.86	9.15	139.20	46.93	76.72	109.42	43.14
		328	819.80	-5.00	-21.77	-8.27	-18.50	6.64	-33.27	-321.49	-310.42	-44.34	55.38
		381	891.61	-14.98	-34.50	-31.16	-18.33	7.36	51.23	-300.63	-300.43	51.02	8.55
		672	496.23	31.79	-34.00	-32.90	30.69	8.43	204.89	86.60	86.71	204.78	-3.69
591	4	671	390.67	-7.28	-199.24	-9.18	-197.34	-19.02	121.58	51.45	68.27	104.76	29.94
		328	785.48	-3.40	-23.35	-10.52	-16.24	-9.56	-36.07	-310.85	-304.73	-42.19	40.55
		381	873.50	-8.69	-37.33	-30.13	-15.88	-12.42	47.35	-296.02	-295.97	47.30	-4.09
		672	573.36	-30.39	-199.25	-31.95	-197.69	-16.16	196.06	75.22	77.03	194.25	-14.69
591	5	671	399.60	-6.11	-163.24	-6.99	-162.36	-11.73	133.11	53.71	68.56	118.26	30.96
		328	822.37	-7.47	-34.07	-8.43	-33.11	-4.96	-23.68	-317.57	-311.22	-30.03	42.75
		381	904.79	-23.32	-38.00	-28.53	-32.80	-7.02	62.61	-301.62	-301.61	62.60	-2.12
		672	593.07	-29.60	-163.37	-30.31	-162.67	-9.68	212.34	76.73	78.17	210.90	-13.91
591	6	671	345.80	-9.30	-136.69	-9.38	-136.62	3.09	120.25	52.31	67.43	105.12	28.26
		328	784.34	-3.82	-23.44	-10.77	-16.49	9.39	-32.73	-307.07	-300.90	-38.90	40.68
		381	867.13	-12.96	-33.48	-30.25	-16.19	7.47	52.07	-290.97	-290.94	52.04	-2.91
		672	543.15	-31.73	-137.15	-31.97	-136.91	5.00	198.01	75.44	77.38	196.06	-15.32
591	7	671	327.82	16.66	-9.57	-7.47	14.56	7.11	135.40	45.76	76.41	104.75	42.52
		328	807.70	-5.04	-17.07	-9.30	-12.82	5.75	-36.91	-317.78	-306.78	-47.91	54.48
		381	877.43	-10.85	-33.73	-31.95	-12.63	6.13	46.38	-297.18	-297.00	46.20	7.92
		672	471.84	15.29	-34.63	-33.71	14.37	6.74	199.01	86.04	86.19	198.86	-4.04
591	8	671	265.50	26.37	-8.00	-5.68	24.05	8.62	107.29	39.08	61.82	84.55	32.16
		328	629.22	-3.27	-18.43	-7.27	-14.43	6.67	-25.33	-246.24	-237.56	-34.00	42.91
		381	686.13	-10.97	-30.07	-26.76	-14.28	7.23	41.94	-229.11	-228.94	41.76	6.86
		672	387.72	25.12	-29.47	-28.25	23.90	8.07	160.48	70.28	70.45	160.31	-3.88
591	9	671	237.01	14.09	-6.22	-4.99	12.86	4.84	97.28	31.75	53.77	75.26	30.96
		328	578.82	-3.73	-11.79	-6.23	-9.29	3.73	-26.34	-227.85	-220.04	-34.14	38.89
		381	628.20	-7.96	-22.71	-21.51	-9.16	4.04	32.47	-213.58	-213.46	32.35	5.48
		672	338.11	13.31	-23.26	-22.69	12.74	4.53	141.83	60.28	60.36	141.75	-2.46
591	10	671	246.04	21.37	-5.59	-4.36	20.14	5.61	99.51	32.29	53.99	77.81	31.43
		328	585.87	-3.84	-14.41	-5.62	-12.63	3.95	-24.44	-230.15	-222.27	-32.32	39.49
		381	636.33	-10.62	-22.88	-20.99	-12.51	4.43	35.06	-215.71	-215.57	34.92	5.88
		672	350.62	20.64	-22.78	-22.16	20.03	5.14	145.11	60.63	60.68	145.06	-2.18
591	11	671	240.33	-5.94	-72.98	-6.02	-72.90	2.25	88.83	35.42	48.83	75.42	23.16
		328	565.97	-3.34	-15.18	-7.01	-11.51	5.48	-24.21	-222.07	-216.98	-29.30	31.32
		381	622.61	-9.50	-22.32	-20.49	-11.33	4.49	35.49	-210.31	-210.11	35.49	-0.48
		672	371.83	-21.44	-73.29	-21.65	-73.09	3.24	141.09	54.63	55.50	140.22	-8.64
592	1	850	226.67	57.87	-9.24	-8.42	57.05	7.36	58.53	-27.01	-12.78	44.30	-31.85
		671	324.79	26.26	-13.31	-11.05	24.00	9.19	138.19	51.89	80.22	109.87	-40.52
		672	434.62	34.27	16.74	26.76	24.25	8.68	182.43	79.89	81.37	180.95	-12.24
		631	353.30	58.61	22.43	24.23	56.81	7.87	115.49	-11.72	-11.62	115.39	-3.56
592	2	850	236.76	69.19	-9.20	-8.50	68.49	7.37	60.15	-26.68	-12.79	46.26	-31.83
		671	330.69	31.79	-13.28	-11.16	29.67	9.54	139.66	52.53	80.23	111.96	-40.57
		672	442.76	37.47	19.37	26.93	29.91	8.92	184.47	79.90	81.35	183.02	-12.21
		631	366.08	69.67	22.99	24.40	68.26	7.99	117.41	-11.76	-11.67	117.32	-3.48
592	3	850	251.77	85.12	-8.85	-8.40	84.67	6.49	62.20	-26.60	-12.99	48.60	-31.98
		671	340.28	39.61	-12.73	-11.09	37.97	9.12	141.97	53.61	80.82	114.76	-40.79
		672	456.01	42.71	22.74	27.25	38.19	8.35	187.98	80.55	81.96	186.57	-12.24
		631	385.24	85.32	23.85	24.71	84.45	7.25	120.49	-11.94	-11.85	120.40	-3.43
592	4	850	421.97	-4.95	-336.93	-5.81	-336.07	16.89	68.59	-36.46	-12.27	44.40	-44.23
		671	436.17	-7.24	-203.66	-7.65	-203.25	8.96	145.18	40.85	80.41	105.62	-50.62
		672	555.64	22.61	-203.31	22.02	-202.72	11.53	185.45	77.28	83.19	179.54	-24.58
		631	569.11	20.32	-337.17	19.74	-336.60	14.32	120.87	-12.02	-9.49	118.33	-18.18
592	5	850	411.98	-5.16	-261.18	-6.18	-260.15	16.16	80.06	-34.41	-12.49	58.15	-45.04
		671	449.84	-7.50	-166.08	-8.19	-165.39	10.47	155.82	45.03	80.53	120.32	-51.70
		672	570.29	23.89	-165.73	23.08	-164.93	12.33	199.99	77.75	83.18	194.56	-25.18
		631	557.36	21.49	-261.34	20.77	-260.62	14.29	134.76	-12.22	-9.85	132.39	-18.52
592	6	850	369.89	-5.64	-224.59	-7.62	-222.61	20.71	71.47	-36.09	-11.83	47.20	-44.96
		671	415.85	-7.81	-139.27	-9.68	-137.40	15.58	146.14	39.38	78.05	107.47	-51.31
		672	518.39	24.04	-138.80	22.19	-136.95	17.27	185.29	74.39	80.65	179.03	-25.59
		631	497.92	21.33	-224.54	19.85	-223.06	19.02	121.59	-12.06	-9.23	118.76	-19.24
592	7	850	222.95	52.14	-9.24	-8.34	51.25	7.34	58.28	-26.93	-12.82	44.17	-31.68

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		671	322.99	22.99	-13.37	-10.97	20.59	9.03	138.04	52.13	80.40	109.77	-40.37
		672	432.89	32.85	14.74	26.75	20.84	8.56	182.54	80.13	81.57	181.10	-12.08
		631	349.73	53.11	22.11	24.22	51.00	7.81	115.58	-11.73	-11.64	115.49	-3.39
592	8	850	194.47	67.52	-7.59	-7.18	67.12	5.51	48.20	-19.79	-9.44	37.86	-24.42
		671	267.96	31.43	-10.87	-9.45	30.02	7.60	111.35	39.95	60.75	90.54	-32.45
		672	349.39	34.50	18.78	23.07	30.21	7.00	143.69	59.54	60.61	142.62	-9.43
		631	290.43	67.72	20.11	20.91	66.92	6.12	89.96	-9.61	-9.59	89.94	-1.41
592	9	850	163.14	41.16	-6.17	-5.65	40.64	4.94	41.98	-19.68	-9.45	31.75	-22.94
		671	230.90	18.62	-8.92	-7.42	17.12	6.25	98.41	38.21	58.69	77.93	-28.53
		672	313.97	23.58	11.79	18.09	17.28	5.88	131.87	58.99	60.06	130.80	-8.76
		631	258.24	41.60	15.27	16.39	40.48	5.31	84.73	-8.18	-8.07	84.62	-3.18
592	10	850	176.97	56.31	-5.96	-5.64	55.99	4.45	44.02	-19.45	-9.56	34.13	-23.02
		671	239.34	26.03	-8.60	-7.45	24.88	6.21	100.48	39.19	59.02	80.65	-28.67
		672	325.80	28.30	15.10	18.37	25.03	5.70	134.96	59.36	60.39	133.93	-8.76
		631	275.97	56.46	16.04	16.66	55.84	4.96	87.51	-8.30	-8.20	87.41	-3.11
592	11	850	234.14	-3.83	-116.11	-5.20	-114.73	12.36	49.10	-24.66	-8.91	33.36	-30.23
		671	279.30	-5.24	-73.97	-6.66	-72.55	9.80	102.86	31.23	57.48	76.60	-34.52
		672	355.57	16.83	-73.55	15.55	-72.27	10.65	133.29	56.10	59.66	129.74	-16.17
		631	328.97	14.97	-116.02	13.96	-115.01	11.50	87.98	-8.23	-6.74	86.49	-11.89
593	1	672	354.16	35.37	-29.70	-28.05	33.71	-10.25	144.55	79.85	80.14	144.26	-4.35
		381	898.96	24.96	-31.77	-29.78	22.98	-10.43	38.51	-304.84	-302.98	36.65	-25.23
		353	856.93	27.17	-5.30	-1.32	23.19	-10.64	-95.73	-355.30	-342.16	-108.87	-56.89
		674	203.65	36.07	-5.60	-3.02	33.49	-10.03	61.59	-21.89	40.96	-1.26	-36.01
593	2	672	361.87	39.99	-29.17	-27.91	38.72	-9.27	146.65	80.11	80.36	146.39	-4.10
		381	901.65	22.26	-31.44	-29.66	20.48	-9.61	40.50	-305.11	-303.30	38.68	-25.01
		353	857.77	24.58	-4.87	-1.00	20.71	-9.94	-94.09	-355.47	-342.53	-107.03	-56.69
		674	200.66	40.35	-4.56	-2.70	38.49	-8.93	62.01	-20.20	41.12	0.69	-35.79
593	3	672	375.77	48.81	-28.72	-27.30	47.40	-10.38	150.37	80.60	80.80	150.17	-3.73
		381	913.84	19.45	-31.58	-29.09	16.96	-10.99	43.14	-308.71	-306.92	41.35	-25.06
		353	868.50	22.93	-5.97	-0.25	17.21	-11.51	-93.51	-359.60	-346.74	-106.37	-57.07
		674	200.33	49.06	-3.85	-1.95	47.16	-9.86	62.31	-18.89	40.97	2.45	-35.74
593	4	672	446.12	-18.73	-187.90	-24.01	-182.62	-29.42	149.37	69.44	73.17	145.64	-16.87
		381	905.20	21.51	-38.47	-24.77	7.81	-25.18	42.02	-307.12	-303.61	38.51	-34.83
		353	877.63	23.74	-23.22	-7.23	7.75	-22.25	-84.29	-357.34	-340.03	-101.60	-66.54
		674	313.57	-2.72	-188.37	-8.53	-182.55	-32.35	72.15	-29.88	36.75	5.52	-48.57
593	5	672	464.49	-18.05	-152.93	-22.99	-147.98	-25.35	164.72	71.87	74.52	162.06	-15.48
		381	935.52	7.77	-39.49	-23.89	-7.83	-22.22	56.20	-312.85	-309.67	53.03	-34.09
		353	896.46	13.45	-26.77	-5.48	-7.84	-20.08	-74.37	-363.20	-347.07	-90.50	-66.32
		674	282.07	-1.61	-153.14	-6.77	-147.97	-27.50	76.44	-20.77	37.13	18.54	-47.71
593	6	672	422.66	-24.54	-129.72	-25.19	-129.08	-8.19	151.59	70.30	73.84	148.05	-16.61
		381	894.40	12.30	-26.76	-26.09	11.64	-5.05	44.57	-302.36	-299.00	41.22	-33.94
		353	858.85	12.06	-7.91	-7.48	11.63	-2.89	-80.02	-351.69	-334.74	-96.97	-65.71
		674	271.81	-7.90	-129.95	-8.79	-129.07	-10.34	74.38	-26.41	38.11	9.86	-48.38
593	7	672	352.44	32.65	-29.85	-27.87	30.68	-10.93	144.55	79.91	80.19	144.27	-4.24
		381	899.45	24.63	-31.85	-29.59	22.38	-11.05	38.39	-305.20	-303.35	36.55	-25.13
		353	857.77	27.05	-5.71	-1.25	22.59	-11.23	-95.94	-355.65	-342.56	-109.04	-56.83
		674	204.50	33.63	-6.11	-2.95	30.47	-10.75	61.53	-21.86	40.98	-1.31	-35.94
593	8	672	287.66	39.37	-24.65	-23.58	38.30	-8.21	114.73	64.66	64.78	114.61	-2.41
		381	699.87	15.04	-26.96	-25.07	13.14	-8.72	34.31	-234.91	-233.41	32.81	-20.04
		353	664.32	17.78	-5.53	-1.09	13.34	-9.15	-72.13	-274.96	-265.04	-82.06	-43.76
		674	153.71	39.54	-3.94	-2.50	38.10	-7.78	47.46	-14.57	33.15	-0.26	-26.13
593	9	672	256.13	24.75	-19.95	-18.75	23.56	-7.22	104.70	56.33	56.57	104.46	-3.39
		381	645.60	17.10	-21.40	-19.94	15.64	-7.36	27.59	-219.47	-218.19	26.31	-17.74
		353	615.51	18.74	-3.34	-0.40	15.79	-7.51	-68.12	-255.22	-245.80	-77.54	-40.91
		674	148.01	25.27	-3.42	-1.56	23.41	-7.06	44.89	-15.32	28.96	0.61	-26.56
593	10	672	268.16	32.21	-19.39	-18.33	31.16	-7.29	107.93	56.75	56.93	107.75	-3.05
		381	653.87	14.05	-21.30	-19.55	12.30	-7.67	30.16	-221.62	-220.38	28.92	-17.65
		353	621.94	16.41	-3.74	0.20	12.46	-8.00	-66.89	-257.61	-248.34	-76.16	-41.01
		674	146.36	32.45	-2.42	-0.96	31.00	-6.97	45.32	-13.69	28.97	2.67	-26.41
593	11	672	287.76	-16.43	-67.61	-17.16	-66.88	-6.08	108.45	51.18	53.07	106.57	-10.21
		381	642.92	10.02	-18.57	-17.89	9.34	-4.37	30.91	-218.05	-215.98	28.85	-22.58
		353	616.49	10.10	-4.55	-3.82	9.37	-3.21	-59.42	-253.18	-241.67	-70.93	-45.81
		674	184.19	-3.93	-67.74	-4.76	-66.91	-7.24	52.07	-17.90	27.38	6.79	-33.43
594	1	631	307.97	54.72	22.57	25.73	51.56	-9.57	106.87	1.73	2.20	106.39	7.04
		672	318.28	39.68	18.33	23.76	34.25	-9.30	129.77	58.52	59.83	128.46	9.58
		674	149.36	36.45	-6.48	-4.54	34.52	-8.91	56.93	12.41	46.99	22.35	18.54
		640	90.49	52.96	-8.13	-6.46	51.29	-9.96	11.73	-22.09	-10.64	0.29	16.00
594	2	631	320.56	64.96	23.63	25.98	62.61	-9.57	108.85	1.69	2.16	108.38	7.09
		672	326.01	43.40	19.64	23.98	39.06	-9.18	131.84	58.51	59.81	130.54	9.68
		674	149.36	40.99	-6.31	-4.66	39.35	-8.67	57.55	13.85	47.01	24.39	18.70
		640	93.93	63.77	-8.04	-6.60	62.33	-10.08	13.13	-21.55	-10.64	2.23	16.10
594	3	631	339.60	81.54	24.53	26.56	79.51	-10.56	111.82	1.56	2.04	111.34	7.25

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		672	339.28	50.86	20.70	24.48	47.08	-9.99	135.50	59.07	60.37	134.21	9.86
		674	152.28	48.99	-6.61	-5.01	47.39	-9.31	58.82	15.05	47.36	26.52	19.25
		640	106.12	80.64	-8.43	-6.99	79.20	-11.24	14.51	-21.84	-10.97	3.65	16.64
594	4	631	521.93	17.37	-339.56	17.37	-339.56	-0.57	110.43	3.05	3.40	110.08	-6.11
		672	413.46	16.74	-175.60	16.66	-175.52	-3.92	132.19	63.00	63.28	131.91	-4.41
		674	166.87	2.36	-176.00	2.09	-175.73	-6.95	50.17	23.26	49.47	23.96	4.29
		640	247.49	0.90	-339.37	0.89	-339.35	2.46	2.64	-10.93	-10.42	2.13	2.59
594	5	631	511.50	19.12	-265.14	19.12	-265.14	-1.36	124.66	2.60	2.95	124.31	-6.53
		672	432.59	18.27	-142.58	18.17	-142.49	-3.89	147.95	63.26	63.49	147.72	-4.39
		674	176.12	1.46	-142.85	1.20	-142.59	-6.14	51.74	36.04	49.79	37.98	5.17
		640	231.53	-0.11	-265.03	-0.12	-265.03	0.88	14.93	-11.10	-10.74	14.57	3.04
594	6	631	458.06	17.59	-236.01	17.52	-235.94	4.17	111.97	2.46	3.01	111.42	-7.72
		672	385.13	16.75	-121.57	16.73	-121.55	1.82	133.97	61.40	61.78	133.59	-5.25
		674	146.18	2.21	-121.66	2.21	-121.66	-0.27	49.63	27.85	48.99	28.49	3.69
		640	188.93	1.24	-235.99	1.07	-235.83	6.27	6.42	-9.88	-9.78	6.33	1.22
594	7	631	304.70	49.88	21.85	25.69	46.03	-9.64	107.02	1.72	2.22	106.52	7.25
		672	316.78	37.62	17.34	23.73	31.24	-9.42	129.89	58.63	59.99	128.54	9.74
		674	149.70	33.66	-6.66	-4.50	31.50	-9.07	57.09	12.28	47.08	22.29	18.67
		640	90.51	47.61	-8.26	-6.42	45.77	-9.98	11.87	-22.29	-10.69	0.27	16.18
594	8	631	254.57	64.65	20.57	22.45	62.77	-8.90	83.25	0.93	1.31	82.87	5.55
		672	254.53	41.64	17.26	20.69	38.21	-8.48	100.96	42.19	43.45	99.70	8.50
		674	116.94	39.90	-5.79	-4.36	38.47	-7.96	44.57	10.55	34.72	20.40	15.43
		640	81.19	63.78	-7.32	-6.05	62.51	-9.42	11.71	-15.56	-7.41	3.57	12.48
594	9	631	226.10	38.94	15.45	17.42	36.97	-6.52	78.56	1.41	1.75	78.22	5.13
		672	233.25	27.34	12.56	16.09	23.81	-6.30	95.39	44.05	44.87	94.57	6.43
		674	108.25	25.28	-4.30	-3.02	24.00	-6.01	41.66	9.60	34.93	16.34	13.06
		640	66.05	37.88	-5.42	-4.32	36.78	-6.81	8.35	-16.55	-8.19	-0.01	11.76
594	10	631	243.67	53.88	16.50	17.88	52.50	-7.06	81.31	1.32	1.66	80.97	5.25
		672	244.87	33.56	13.87	16.49	30.94	-6.68	98.58	44.36	45.17	97.76	6.59
		674	109.83	32.24	-4.37	-3.28	31.15	-6.23	42.67	11.12	35.14	18.65	13.45
		640	74.00	53.26	-5.58	-4.61	52.29	-7.51	9.89	-16.41	-8.37	1.85	12.11
594	11	631	299.63	12.87	-122.76	12.86	-122.75	1.12	81.13	2.08	2.20	81.01	-3.07
		672	263.85	12.18	-62.74	12.18	-62.74	-0.12	97.48	45.89	45.96	97.42	-1.81
		674	97.96	0.75	-62.79	0.73	-62.76	-1.21	37.36	18.43	36.04	19.75	4.81
		640	103.45	-0.09	-122.77	-0.13	-122.73	2.21	4.39	-8.75	-7.71	3.34	3.55
595	1	674	223.50	38.17	-2.32	-1.52	37.36	-5.65	-14.80	-89.39	-55.88	-48.31	-37.10
		353	624.83	15.71	-3.37	-1.52	13.85	-5.66	-20.00	-241.27	-236.16	-25.11	-33.24
		407	592.17	14.92	-16.16	-15.10	13.85	-5.66	-38.26	-234.03	-232.50	-39.80	17.25
		862	183.45	37.97	-15.70	-15.10	37.36	-5.65	-43.17	-72.04	-52.22	-62.99	13.39
595	2	674	222.96	42.36	-1.79	-1.24	41.82	-4.88	-13.92	-88.40	-55.87	-46.45	-36.94
		353	626.13	12.78	-2.94	-1.24	11.08	-4.89	-18.26	-241.42	-236.41	-23.27	-33.06
		407	594.13	11.95	-16.10	-15.22	11.08	-4.89	-36.53	-234.30	-232.75	-38.08	17.44
		862	182.22	42.23	-15.63	-15.22	41.82	-4.88	-42.43	-71.03	-52.20	-61.26	13.56
595	3	674	222.94	52.47	-1.03	-0.10	51.55	-6.99	-14.03	-88.32	-56.78	-45.57	-36.72
		353	636.14	13.04	-3.82	-0.10	9.32	-6.99	-17.10	-244.89	-239.91	-22.08	-33.32
		407	604.55	11.11	-17.94	-16.15	9.32	-6.99	-37.95	-238.84	-237.23	-39.56	17.89
		862	193.43	52.26	-16.86	-16.15	51.55	-6.99	-43.41	-73.74	-54.10	-63.05	14.49
595	4	674	331.63	-1.82	-166.04	-5.87	-161.98	-25.49	-0.71	-102.47	-58.09	-45.09	-50.46
		353	648.57	33.49	-22.35	-5.87	17.02	-25.47	-13.96	-243.16	-235.19	-21.93	-42.00
		407	562.21	37.06	-15.34	4.70	17.02	-25.47	-33.85	-225.07	-224.73	-34.19	8.02
		862	228.23	8.51	-165.79	4.70	-161.98	-25.49	-47.61	-57.36	-47.63	-57.34	-0.45
595	5	674	307.40	0.15	-133.20	-3.97	-129.09	-23.07	5.12	-97.91	-59.24	-33.55	-49.89
		353	669.18	22.24	-24.25	-3.97	1.96	-23.05	-3.05	-248.20	-240.90	-10.35	-41.66
		407	590.96	25.78	-20.35	3.47	1.96	-23.05	-25.20	-231.54	-231.14	-25.59	9.02
		862	189.85	7.37	-132.99	3.47	-129.09	-23.07	-48.27	-50.01	-49.48	-48.80	0.80
595	6	674	294.06	-8.37	-121.66	-8.41	-121.62	-2.10	3.28	-99.52	-56.03	-40.20	-50.79
		353	632.14	14.40	-8.60	-8.41	14.21	-2.08	-10.61	-238.40	-230.68	-18.34	-41.23
		407	552.82	14.59	2.94	3.32	14.21	-2.08	-25.69	-218.38	-218.12	-25.94	7.00
		862	181.43	3.36	-121.65	3.32	-121.62	-2.10	-42.29	-49.00	-43.48	-47.81	-2.56
595	7	674	223.05	35.96	-2.51	-1.38	34.83	-6.51	-14.96	-89.42	-55.98	-48.40	-37.03
		353	625.40	15.87	-3.83	-1.38	13.41	-6.51	-20.07	-241.50	-236.43	-25.14	-33.13
		407	592.37	14.84	-16.19	-14.75	13.41	-6.51	-38.26	-234.28	-232.72	-39.83	17.45
		862	183.14	35.67	-15.59	-14.75	34.83	-6.51	-43.09	-72.26	-52.27	-63.08	13.54
595	8	674	167.53	41.42	-1.64	-1.06	40.85	-4.95	-10.59	-65.97	-41.67	-34.89	-27.48
		353	484.38	9.09	-3.49	-1.06	6.67	-4.96	-14.16	-186.83	-183.14	-17.84	-24.96
		407	461.26	7.85	-14.17	-12.99	6.67	-4.96	-29.68	-182.35	-181.17	-30.86	13.36
		862	146.67	41.30	-13.45	-12.99	40.85	-4.95	-32.21	-55.39	-39.69	-47.90	10.84
595	9	674	161.72	27.23	-1.17	-0.46	26.53	-4.41	-10.48	-64.78	-40.82	-34.45	-26.96
		353	449.42	11.27	-2.13	-0.46	9.61	-4.42	-13.41	-173.25	-169.51	-17.15	-24.17
		407	425.30	10.54	-11.44	-10.51	9.61	-4.42	-27.07	-168.06	-166.91	-28.22	12.70
		862	133.17	27.05	-11.03	-10.51	26.53	-4.41	-31.31	-52.43	-38.22	-45.51	9.91
595	10	674	161.41	35.17	-0.44	0.32	34.41	-5.15	-10.04	-64.19	-41.31	-32.93	-26.75

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		353	455.71	9.88	-2.46	0.32	7.09	-5.16	-11.80	-175.25	-171.59	-15.47	-24.21
		407	432.17	8.46	-12.46	-11.09	7.09	-5.16	-26.89	-170.73	-169.54	-28.09	13.05
		862	138.71	34.99	-11.67	-11.09	34.41	-5.15	-31.43	-53.38	-39.27	-45.55	10.52
595	11	674	200.07	-4.19	-61.90	-4.29	-61.79	-2.44	-0.43	-70.42	-40.90	-29.95	-34.57
		353	453.45	10.22	-4.70	-4.29	9.81	-2.43	-8.22	-171.63	-166.46	-13.39	-28.61
		407	403.14	10.37	-0.83	-0.28	9.81	-2.43	-20.17	-159.28	-158.92	-20.52	7.00
		862	122.82	-0.18	-61.89	-0.28	-61.79	-2.44	-33.09	-37.35	-33.37	-37.08	1.05
596	1	640	174.70	65.58	-5.66	-5.53	65.44	-3.14	20.93	-35.05	20.59	-34.71	4.33
		674	145.16	38.08	-5.75	-5.53	37.85	-3.14	7.20	-40.11	7.17	-40.07	1.27
		862	179.69	38.09	-3.16	-2.92	37.85	-3.14	0.14	-57.66	-0.12	-57.41	-3.80
		668	203.73	65.58	-3.07	-2.92	65.44	-3.14	13.32	-52.06	13.31	-52.05	-0.73
596	2	640	176.67	75.78	-5.89	-5.79	75.68	-2.87	20.99	-33.22	20.61	-32.84	4.51
		674	143.39	42.50	-5.96	-5.79	42.33	-2.87	7.22	-38.27	7.18	-38.22	1.46
		862	177.76	42.51	-2.34	-2.16	42.33	-2.87	0.14	-55.90	-0.09	-55.66	-3.63
		668	205.56	75.79	-2.26	-2.16	75.68	-2.87	13.35	-50.29	13.34	-50.28	-0.58
596	3	640	187.09	93.48	-6.30	-6.18	93.37	-3.40	21.12	-32.73	20.67	-32.28	4.89
		674	148.27	52.29	-6.38	-6.18	52.09	-3.40	7.04	-37.70	6.96	-37.62	1.97
		862	186.62	52.31	-1.12	-0.90	52.09	-3.40	-0.14	-57.06	-0.30	-56.90	-3.01
		668	220.22	93.49	-1.02	-0.90	93.37	-3.40	13.42	-51.56	13.42	-51.56	-0.10
596	4	640	329.34	5.17	-317.99	5.04	-317.86	-6.59	22.38	-31.78	20.67	-30.08	-9.46
		674	226.46	5.29	-163.73	5.04	-163.48	-6.57	10.84	-38.84	7.86	-35.86	-11.81
		862	257.81	-30.68	-163.80	-31.01	-163.48	-6.57	7.01	-57.88	1.86	-52.72	-17.54
		668	355.31	-30.85	-318.01	-31.01	-317.86	-6.59	18.21	-50.49	14.67	-46.94	-15.20
596	5	640	253.38	3.43	-248.02	3.32	-247.91	-5.37	22.60	-20.59	20.75	-18.74	-8.75
		674	174.04	3.53	-130.65	3.32	-130.43	-5.35	10.79	-27.88	7.51	-24.60	-10.78
		862	213.75	-25.91	-130.71	-26.19	-130.43	-5.35	7.17	-48.98	1.78	-43.59	-16.54
		668	287.38	-26.06	-248.04	-26.19	-247.91	-5.37	18.75	-41.46	15.02	-37.74	-14.51
596	6	640	259.24	3.08	-235.66	3.07	-235.65	1.99	22.82	-26.52	20.64	-24.35	-10.13
		674	185.01	3.10	-122.84	3.07	-122.81	2.00	11.93	-34.26	8.16	-30.49	-12.64
		862	211.91	-27.92	-122.85	-27.97	-122.81	2.00	8.96	-51.05	2.24	-44.33	-18.93
		668	279.65	-27.95	-235.67	-27.97	-235.65	1.99	19.39	-42.86	14.72	-38.18	-16.41
596	7	640	171.99	60.86	-5.57	-5.39	60.68	-3.45	20.99	-35.13	20.63	-34.77	4.47
		674	143.72	35.58	-5.68	-5.39	35.28	-3.46	7.25	-40.18	7.20	-40.14	1.40
		862	178.25	35.59	-3.42	-3.12	35.28	-3.46	0.15	-57.73	-0.09	-57.50	-3.68
		668	200.94	60.87	-3.30	-3.12	60.68	-3.45	13.35	-52.13	13.34	-52.12	-0.61
596	8	640	145.16	74.67	-5.48	-5.39	74.59	-2.61	15.96	-25.10	15.55	-24.69	4.06
		674	115.79	41.45	-5.54	-5.39	41.30	-2.62	5.04	-29.49	4.93	-29.37	2.00
		862	142.80	41.46	-1.24	-1.08	41.30	-2.62	-0.06	-43.25	-0.22	-43.09	-2.60
		668	168.21	74.68	-1.17	-1.08	74.59	-2.61	10.41	-38.42	10.40	-38.41	-0.54
596	9	640	124.96	46.47	-3.77	-3.67	46.37	-2.27	15.26	-25.00	15.03	-24.78	3.03
		674	103.35	27.03	-3.84	-3.67	26.86	-2.27	5.62	-28.31	5.61	-28.30	0.75
		862	129.66	27.04	-1.99	-1.81	26.86	-2.27	0.30	-41.64	0.15	-41.49	-2.48
		668	147.38	46.47	-1.91	-1.81	46.37	-2.27	9.58	-37.97	9.58	-37.97	-0.20
596	10	640	131.83	61.97	-4.12	-4.03	61.88	-2.42	15.37	-23.71	15.08	-23.42	3.34
		674	105.05	34.92	-4.18	-4.03	34.77	-2.42	5.53	-26.97	5.49	-26.93	1.14
		862	133.53	34.94	-0.85	-0.68	34.77	-2.42	0.15	-41.31	0.05	-41.21	-2.05
		668	156.55	61.98	-0.78	-0.68	61.88	-2.42	9.64	-37.70	9.64	-37.70	0.15
596	11	640	157.45	1.11	-120.91	1.11	-120.90	0.57	15.78	-19.74	15.06	-19.02	-5.01
		674	116.78	1.11	-62.40	1.11	-62.40	0.58	7.75	-24.56	6.16	-22.97	-6.98
		862	138.87	-15.71	-62.41	-15.72	-62.40	0.58	4.52	-37.29	1.46	-34.23	-10.89
		668	175.28	-15.72	-120.91	-15.72	-120.90	0.57	12.23	-32.14	10.36	-30.27	-8.91
597	1	862	222.65	36.53	-14.24	-3.81	26.10	20.51	57.18	-29.39	27.72	0.07	41.02
		407	816.39	27.45	-18.79	-9.48	18.14	18.54	-60.72	-324.81	-277.39	-108.14	101.37
		354	798.65	25.63	-28.56	-21.42	18.48	18.33	50.83	-260.94	-256.56	46.44	36.70
		851	395.21	33.04	-33.14	-25.85	25.75	20.72	159.68	43.51	48.55	154.65	-23.65
597	2	862	227.04	40.27	-13.94	-2.81	29.14	21.90	58.60	-28.82	28.18	1.60	41.64
		407	818.30	25.12	-17.81	-8.75	16.07	17.51	-59.04	-325.39	-277.67	-106.76	102.15
		354	800.99	23.38	-27.94	-20.46	15.90	18.11	52.52	-261.38	-256.87	48.01	37.38
		851	400.58	36.76	-31.67	-24.23	29.32	21.30	161.14	44.21	48.98	156.37	-23.13
597	3	862	233.65	49.21	-13.18	-3.17	39.20	22.90	59.45	-30.85	28.39	0.20	42.89
		407	832.94	28.68	-16.21	-9.17	21.64	16.32	-61.56	-331.94	-283.44	-110.05	103.73
		354	814.35	27.52	-26.78	-20.23	20.97	17.68	48.67	-268.25	-263.71	44.12	37.69
		851	402.59	46.52	-29.89	-23.24	39.87	21.53	159.20	43.30	48.12	154.37	-23.16
597	4	862	219.08	-2.53	-138.22	-27.68	-113.07	-52.72	48.37	-12.19	25.31	10.86	29.41
		407	793.07	28.22	-32.61	-28.56	24.17	15.16	-63.90	-313.94	-276.23	-101.60	89.48
		354	816.20	40.84	-55.03	-54.18	40.00	-8.94	52.98	-256.78	-255.24	51.44	21.77
		851	482.71	-66.90	-142.12	-80.11	-128.90	-28.63	175.28	34.93	46.31	163.91	-38.30
597	5	862	231.56	9.62e-03	-109.63	-22.47	-87.15	-44.26	58.08	-10.64	28.35	19.09	34.04
		407	821.93	21.53	-26.49	-24.69	19.72	9.13	-56.79	-324.70	-284.85	-96.65	95.33
		354	847.75	33.63	-49.48	-48.24	32.39	-10.07	59.36	-267.47	-265.50	57.39	25.31
		851	486.01	-55.76	-114.08	-70.02	-99.82	-25.07	182.71	38.12	47.70	173.12	-35.98
597	6	862	190.66	-5.14	-107.90	-11.75	-101.29	-25.21	51.55	-5.29	26.99	19.27	28.16

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		407	779.57	22.97	-34.71	-14.97	3.23	27.36	-53.31	-305.51	-268.33	-90.49	89.41
		354	799.56	17.05	-41.67	-40.47	15.85	8.29	68.41	-246.51	-244.74	66.63	23.59
		851	510.85	-62.13	-114.64	-62.86	-113.91	-6.14	186.80	40.17	50.58	176.38	-37.67
597	7	862	221.74	34.25	-13.66	-4.34	24.94	18.96	57.37	-29.58	27.82	-0.02	41.19
		407	816.74	26.74	-18.42	-9.96	18.28	17.62	-60.86	-325.15	-277.57	-108.44	101.54
		354	798.90	25.05	-28.29	-22.01	18.76	17.19	50.53	-261.16	-256.77	46.13	36.74
		851	394.51	30.98	-33.14	-26.62	24.45	19.38	159.57	43.59	48.62	154.55	-23.61
597	8	862	178.05	38.58	-10.90	-2.17	29.85	18.86	46.41	-21.27	23.30	1.83	32.09
		407	638.36	22.73	-13.79	-7.31	16.26	13.95	-46.51	-253.73	-216.27	-83.96	79.74
		354	621.42	21.57	-22.77	-17.05	15.85	14.86	38.32	-203.44	-200.03	34.92	28.50
		851	313.94	36.02	-25.67	-19.90	30.26	17.95	125.00	35.26	39.55	120.71	-19.14
597	9	862	161.23	26.06	-9.60	-2.88	19.33	13.95	41.12	-22.20	19.69	-0.76	29.96
		407	586.08	19.18	-12.53	-6.68	13.33	12.30	-43.96	-233.59	-199.56	-77.99	72.77
		354	574.82	18.10	-19.18	-14.57	13.48	12.28	36.02	-188.44	-185.26	32.85	26.51
		851	281.73	23.90	-22.14	-17.42	19.18	13.98	113.42	30.64	33.99	110.08	-16.30
597	10	862	167.28	33.15	-9.07	-2.53	26.61	15.28	42.38	-23.01	20.06	-0.69	31.00
		407	595.28	19.91	-11.15	-6.51	15.28	11.07	-44.43	-237.55	-202.92	-79.05	74.08
		354	583.54	19.16	-18.20	-13.91	14.86	11.92	34.82	-192.50	-189.24	31.56	27.05
		851	285.84	31.41	-20.36	-15.97	27.02	14.43	113.16	30.51	33.75	109.92	-16.03
597	11	862	132.30	-4.50	-54.24	-7.29	-51.44	-11.45	37.89	-8.70	19.28	9.90	22.82
		407	565.52	16.38	-21.07	-9.73	5.04	17.20	-39.90	-222.81	-194.53	-68.18	66.13
		354	574.74	13.19	-26.33	-25.15	12.02	6.70	45.71	-180.34	-178.70	44.06	19.22
		851	340.44	-37.94	-58.46	-37.98	-58.42	-0.95	128.37	28.89	35.12	122.15	-24.09
598	1	668	140.07	60.46	-5.21	-0.82	56.07	-16.41	22.07	-31.41	0.89	-10.23	-26.16
		862	166.27	40.94	-7.89	-6.50	39.55	-8.14	65.26	11.95	58.19	19.02	-18.08
		851	267.71	41.18	6.27	9.51	37.94	-10.12	103.78	75.31	75.32	103.77	0.37
		641	221.71	61.57	4.29	8.18	57.67	-14.42	75.55	16.98	18.01	74.52	-7.71
598	2	668	146.23	68.98	-5.75	-0.36	63.60	-19.33	23.19	-30.80	0.95	-8.56	-26.57
		862	166.40	45.93	-7.70	-6.06	44.29	-9.24	65.97	13.11	58.38	20.70	-18.54
		851	273.07	45.93	4.72	8.50	42.15	-11.89	105.36	75.41	75.41	105.36	-0.06
		641	231.95	70.20	3.49	7.95	65.74	-16.67	77.21	16.87	17.98	76.10	-8.10
598	3	668	152.40	87.22	-6.69	1.31	79.22	-26.21	21.58	-31.45	0.27	-10.14	-25.99
		862	165.06	57.30	-6.93	-4.33	54.70	-12.66	65.27	13.01	58.30	19.98	-17.76
		851	275.58	57.04	1.57	7.09	51.52	-16.61	104.41	75.43	75.49	104.35	1.29
		641	238.43	88.56	1.95	8.11	82.40	-22.26	75.07	16.62	17.46	74.23	-6.94
598	4	668	315.71	19.06	-276.14	-17.73	-239.35	97.51	40.85	-43.90	12.08	-15.13	-40.13
		862	248.63	-16.83	-173.64	-28.66	-161.82	41.41	78.39	0.08	66.85	11.62	-27.76
		851	338.30	80.67	-162.00	62.23	-143.56	64.31	107.44	81.31	89.75	99.00	-12.22
		641	388.72	46.59	-275.91	28.29	-257.61	74.61	84.47	22.76	34.98	72.25	-24.59
598	5	668	300.17	15.22	-215.16	-13.88	-186.06	76.54	46.42	-41.19	12.25	-7.01	-42.73
		862	250.15	-15.61	-136.32	-25.05	-126.88	32.41	82.96	5.88	68.36	20.48	-30.20
		851	337.81	70.98	-126.29	56.82	-112.13	50.92	115.74	83.01	91.15	107.60	-14.15
		641	369.52	41.78	-214.69	27.89	-200.80	58.03	92.50	22.65	35.04	80.11	-26.68
598	6	668	319.41	17.10	-233.65	-21.26	-195.30	90.26	48.36	-40.38	14.11	-6.13	-43.20
		862	261.99	-18.40	-140.01	-32.69	-125.71	39.16	83.42	2.75	68.00	18.16	-31.71
		851	344.48	75.77	-128.56	56.07	-108.86	60.31	117.66	78.57	89.91	106.32	-17.74
		641	391.69	42.62	-230.90	23.87	-212.15	69.12	96.22	21.83	36.02	82.03	-29.22
598	7	668	138.96	57.40	-4.95	-0.69	53.15	-15.73	21.98	-31.40	0.82	-10.24	-26.11
		862	165.57	38.56	-7.77	-6.40	37.19	-7.84	65.20	12.10	58.21	19.09	-17.96
		851	266.87	38.94	6.80	10.04	35.70	-9.68	103.87	75.41	75.42	103.86	0.53
		641	219.49	58.49	4.66	8.52	54.63	-13.89	75.54	17.02	18.04	74.53	-7.62
598	8	668	117.17	68.99	-5.45	0.57	62.97	-20.29	16.88	-23.36	0.36	-6.83	-19.80
		862	133.17	44.84	-6.30	-4.47	43.02	-9.48	52.74	10.26	46.21	16.80	-15.33
		851	208.93	44.71	2.68	6.83	40.56	-12.53	78.62	56.79	56.79	78.62	-0.03
		641	180.42	70.15	2.45	7.17	65.43	-17.24	55.45	10.48	10.94	54.99	-4.50
598	9	668	101.24	43.29	-3.60	-0.24	39.94	-12.08	15.72	-22.94	0.58	-7.80	-18.87
		862	116.19	29.41	-5.10	-3.97	28.29	-6.13	45.66	8.58	41.25	13.00	-12.01
		851	194.58	29.56	3.61	6.09	27.08	-7.63	75.61	54.98	55.02	75.57	0.91
		641	161.75	44.05	2.55	5.45	41.15	-10.58	55.63	13.49	14.35	54.77	-5.95
598	10	668	107.88	58.17	-4.44	0.93	52.80	-17.53	15.44	-22.96	0.24	-7.76	-18.78
		862	115.66	38.52	-4.58	-2.77	36.71	-8.64	45.67	9.18	41.31	13.53	-11.83
		851	198.92	38.37	0.99	4.74	34.62	-11.23	75.99	55.02	55.11	75.90	1.42
		641	170.99	59.05	1.24	5.40	54.88	-14.94	55.35	13.30	14.04	54.61	-5.53
598	11	668	190.72	8.89	-120.20	-11.60	-99.71	47.18	30.33	-27.92	7.93	-5.53	-28.34
		862	164.43	-10.82	-71.23	-18.53	-63.52	20.15	55.60	3.62	46.70	12.52	-19.58
		851	225.07	42.21	-64.74	31.95	-54.48	31.50	81.54	58.58	63.12	76.99	-9.15
		641	241.83	23.84	-118.43	14.16	-108.75	35.83	66.54	16.75	24.35	58.94	-17.91
599	1	851	233.25	41.27	-38.07	-27.79	30.98	26.65	-36.99	-93.94	-91.53	-39.41	-11.48
		354	682.09	29.16	-46.54	-35.48	18.10	26.74	-56.10	-265.32	-249.16	-72.27	55.87
		125	531.64	38.09	-11.08	6.61	20.39	23.60	-66.27	-219.89	-199.88	-86.28	51.71
		863	178.87	47.60	-18.24	0.68	28.69	29.79	-31.22	-64.44	-42.25	-53.42	-15.64
599	2	851	233.68	45.63	-37.62	-27.78	35.79	26.88	-35.90	-93.37	-91.22	-38.05	-10.91

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		354	685.06	27.30	-46.69	-35.94	16.55	26.07	-54.70	-266.07	-249.73	-71.04	56.45
		125	534.61	35.68	-10.67	5.67	19.35	22.14	-65.85	-221.08	-200.88	-86.05	52.22
		863	179.34	51.50	-18.27	0.24	32.99	30.81	-31.67	-63.77	-42.38	-53.06	-15.14
599	3	851	240.86	57.78	-39.92	-29.90	47.75	29.65	-40.77	-96.57	-94.04	-43.29	-11.60
		354	703.49	33.64	-49.65	-38.73	22.73	28.11	-60.77	-273.84	-257.20	-77.41	57.18
		125	550.03	40.90	-10.78	4.09	26.03	23.40	-72.83	-228.18	-207.77	-93.24	52.48
		863	200.32	62.89	-19.58	-1.14	44.44	34.36	-34.02	-69.71	-44.61	-59.12	-16.30
599	4	851	273.03	8.70	-130.25	-12.20	-109.35	-49.68	-10.34	-95.02	-85.54	-19.81	-26.69
		354	627.63	67.16	-8.66	3.03	55.46	-27.38	-49.45	-255.06	-249.24	-55.27	34.09
		125	519.07	42.49	-6.07	-5.27	41.70	-6.16	-74.69	-218.39	-213.73	-79.34	25.44
		863	295.62	26.17	-136.87	-15.11	-95.59	-70.90	-11.49	-82.43	-50.04	-43.88	-35.34
599	5	851	267.86	13.71	-97.77	-12.37	-71.69	-47.20	-7.97	-94.09	-86.44	-15.62	-24.50
		354	667.49	69.13	-12.77	0.66	55.70	-30.32	-46.54	-268.73	-262.36	-52.91	37.08
		125	564.95	47.85	-16.78	-13.76	44.83	-13.63	-79.50	-235.97	-230.95	-84.52	27.58
		863	282.80	26.61	-107.50	-20.07	-60.82	-63.89	-16.91	-85.36	-55.03	-47.23	-34.00
599	6	851	253.37	9.33	-116.89	-1.35	-106.21	-35.13	3.80	-84.55	-77.77	-2.98	-23.52
		354	624.42	39.78	1.51	11.55	29.74	-16.84	-31.31	-246.05	-240.33	-37.03	34.58
		125	513.02	18.35	2.52	2.56	18.32	0.75	-56.27	-213.65	-209.04	-60.89	26.54
		863	244.75	19.17	-119.18	-5.21	-94.80	-52.71	-3.61	-69.70	-46.48	-26.84	-31.55
599	7	851	233.57	40.15	-37.26	-27.98	30.86	25.15	-37.24	-94.03	-91.59	-39.68	-11.52
		354	681.51	29.08	-45.41	-35.44	19.11	25.36	-56.46	-265.43	-249.25	-72.64	55.85
		125	531.27	37.22	-10.17	5.77	21.29	22.39	-67.20	-220.07	-200.02	-87.25	51.60
		863	179.44	45.88	-17.29	-0.10	28.69	28.12	-31.46	-65.19	-42.36	-54.30	-15.77
599	8	851	179.50	45.81	-32.48	-24.51	37.85	23.67	-32.02	-71.96	-69.82	-34.16	-9.00
		354	536.22	25.31	-40.46	-31.76	16.61	22.29	-47.56	-208.54	-195.75	-60.35	43.53
		125	419.79	31.28	-8.91	2.99	19.37	18.35	-56.11	-174.17	-158.68	-71.60	39.86
		863	155.02	49.98	-16.09	-1.19	35.09	27.61	-24.92	-53.24	-32.75	-45.41	-12.67
599	9	851	169.68	29.55	-26.26	-19.22	22.50	18.53	-26.06	-68.31	-66.60	-27.76	-8.31
		354	490.89	21.31	-32.07	-24.51	13.75	18.61	-39.84	-191.06	-179.51	-51.39	40.17
		125	382.22	27.25	-7.40	4.53	15.32	16.46	-47.99	-158.23	-143.81	-62.41	37.17
		863	129.22	33.76	-12.41	0.42	20.93	20.68	-22.87	-46.81	-30.90	-38.78	-11.30
599	10	851	173.92	38.72	-27.29	-20.39	31.82	20.20	-28.16	-69.76	-68.00	-29.92	-8.38
		354	502.77	23.80	-33.81	-26.32	16.32	19.37	-42.43	-195.80	-183.98	-54.25	40.90
		125	392.44	28.85	-7.27	3.13	18.45	16.35	-51.63	-162.84	-148.20	-66.28	37.60
		863	141.08	42.27	-13.17	-0.59	29.69	23.22	-24.44	-49.73	-32.22	-41.95	-11.67
599	11	851	170.47	0.10	-58.35	-4.53	-53.72	-15.79	-3.47	-63.01	-58.96	-7.52	-14.99
		354	450.81	21.77	0.06	1.61	20.21	-5.60	-26.39	-180.03	-174.61	-31.81	28.34
		125	368.67	15.26	1.18	2.28	14.17	3.77	-43.21	-153.99	-148.90	-48.30	23.19
		863	153.65	8.43	-58.95	-2.85	-47.67	-25.15	-7.97	-49.30	-33.25	-24.02	-20.14
600	1	641	113.26	57.98	11.03	16.90	52.10	-15.53	32.92	-4.10	25.58	3.24	14.76
		851	72.55	44.12	4.44	11.02	37.54	-14.76	28.42	12.04	27.57	12.88	3.62
		863	270.88	42.81	-9.45	-6.82	40.18	-11.42	1.66	-88.85	-5.04	-82.14	23.70
		669	327.56	54.96	-15.36	-9.87	49.47	-18.87	5.46	-104.27	-7.03	-91.78	34.84
600	2	641	114.83	67.29	11.74	18.35	60.67	-17.99	33.01	-2.75	25.60	4.66	14.49
		851	75.09	48.15	4.56	11.97	40.74	-16.37	28.43	13.72	27.62	14.53	3.36
		863	271.36	46.88	-8.12	-5.24	44.00	-12.25	1.69	-88.17	-5.10	-81.38	23.75
		669	332.30	64.22	-14.47	-7.67	57.42	-22.11	5.46	-103.83	-7.12	-91.25	34.88
600	3	641	135.75	86.92	12.84	21.29	78.47	-23.55	33.52	-7.12	25.25	1.14	16.36
		851	79.30	60.21	4.77	14.09	50.89	-20.74	28.25	9.85	26.86	11.25	4.87
		863	296.46	58.94	-6.48	-2.59	55.04	-15.48	0.89	-95.19	-6.66	-87.64	25.85
		669	364.64	83.75	-13.66	-4.23	74.32	-28.81	5.27	-111.28	-8.26	-97.75	37.34
600	4	641	232.29	-15.43	-251.09	-28.26	-238.26	53.48	39.88	-3.70	39.84	-3.66	-1.21
		851	140.70	-5.88	-114.35	-16.21	-104.02	31.84	45.10	2.38	41.76	5.72	-11.47
		863	335.46	-33.31	-121.14	-35.12	-119.32	12.51	11.30	-94.13	10.69	-93.52	7.98
		669	450.40	-24.58	-249.68	-51.30	-222.96	72.81	11.68	-105.81	8.78	-102.91	18.24
600	5	641	184.55	-10.69	-184.29	-18.04	-176.94	34.97	40.37	1.37	40.30	1.44	-1.75
		851	131.92	-4.31	-82.42	-9.20	-77.53	18.91	46.50	7.86	41.96	12.41	-12.45
		863	321.53	-23.24	-89.17	-23.56	-88.84	4.62	9.96	-96.16	9.11	-95.31	9.48
		669	419.61	-19.07	-182.18	-35.63	-165.63	49.26	10.92	-109.74	7.45	-106.27	20.17
600	6	641	182.35	-10.44	-225.06	-24.22	-211.28	52.61	42.49	8.61	41.07	10.03	-6.80
		851	165.16	-2.73	-105.09	-14.87	-92.95	33.10	51.60	10.87	43.37	19.10	-16.35
		863	281.24	-33.39	-109.86	-37.08	-106.16	16.40	14.26	-75.85	14.20	-75.80	2.22
		669	381.18	-24.93	-225.81	-52.68	-198.07	69.31	13.32	-86.28	11.91	-84.87	11.78
600	7	641	113.68	56.32	10.61	16.64	50.29	-15.47	32.99	-4.47	25.57	2.94	14.93
		851	72.25	43.27	4.17	10.94	36.51	-14.79	28.50	11.78	27.59	12.69	3.78
		863	272.59	41.81	-9.34	-6.56	39.03	-11.59	1.69	-89.72	-5.12	-82.91	24.01
		669	329.03	53.31	-15.14	-9.59	47.76	-18.67	5.46	-105.25	-7.14	-92.65	35.15
600	8	641	105.97	69.26	10.59	17.52	62.32	-18.94	24.96	-6.55	18.44	-0.03	12.76
		851	60.75	47.86	3.90	11.61	40.15	-16.72	20.25	5.92	18.83	7.34	4.29
		863	226.69	46.68	-5.52	-2.36	43.52	-12.46	0.52	-72.40	-5.27	-66.60	19.72
		669	278.93	66.60	-11.46	-3.81	58.96	-23.20	4.47	-84.11	-5.66	-73.98	28.19
600	9	641	81.89	41.63	7.57	11.72	37.48	-11.14	24.18	-2.49	18.94	2.75	10.60

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		851	54.68	31.52	3.03	7.66	26.89	-10.51	21.48	9.47	20.96	9.99	2.43
		863	196.90	30.65	-6.28	-4.39	28.76	-8.14	1.51	-64.62	-3.40	-59.71	17.33
		669	238.18	39.58	-10.36	-6.39	35.61	-13.51	3.77	-76.14	-5.43	-66.94	25.50
600	10	641	94.14	57.72	8.58	14.17	52.13	-15.60	24.51	-4.17	18.75	1.59	11.48
		851	56.78	40.46	3.22	9.37	34.31	-13.83	21.36	8.29	20.57	9.08	3.13
		863	211.11	39.62	-4.63	-2.04	37.02	-10.39	1.08	-68.14	-4.30	-62.76	18.53
		669	258.79	55.57	-9.41	-3.25	49.41	-19.03	3.66	-80.03	-6.11	-70.26	26.88
600	11	641	107.89	-4.29	-115.67	-11.12	-108.84	26.72	27.63	6.44	27.54	6.53	-1.38
		851	96.39	-0.93	-51.39	-6.72	-45.60	16.08	33.49	9.70	29.74	13.45	-8.66
		863	190.51	-19.58	-54.16	-21.20	-52.54	7.32	7.75	-56.64	7.29	-56.18	5.40
		669	253.38	-15.59	-116.49	-30.17	-101.91	35.47	7.37	-65.38	5.09	-63.10	12.68
601	1	863	259.44	47.41	-28.15	16.62	2.63	37.13	54.29	-38.66	22.17	-6.54	44.21
		125	843.27	57.05	-32.77	10.08	14.20	44.86	-69.13	-334.00	-276.26	-126.87	109.36
		358	775.96	47.47	-38.38	-7.78	16.86	41.12	51.59	-252.81	-248.57	47.34	35.70
		852	435.75	33.40	-50.00	-16.56	-0.04	40.87	174.63	42.91	49.86	167.68	-29.45
601	2	863	262.65	50.72	-25.04	18.25	7.43	37.49	55.39	-38.85	22.67	-6.13	44.86
		125	847.51	55.89	-30.56	11.03	14.29	43.20	-68.95	-336.20	-278.11	-127.04	110.23
		358	781.49	46.32	-37.39	-7.66	16.59	40.06	51.53	-255.14	-250.82	47.21	36.16
		852	433.17	36.42	-47.61	-16.32	5.13	40.63	174.94	43.14	49.97	168.12	-29.21
601	3	863	268.53	61.41	-23.84	20.22	17.35	42.60	51.99	-43.36	20.51	-11.87	44.84
		125	865.90	63.65	-30.28	12.61	20.76	46.79	-75.59	-344.69	-285.34	-134.94	111.57
		358	792.00	54.64	-38.33	-6.47	22.78	44.12	45.89	-261.63	-257.28	41.54	36.30
		852	425.03	47.93	-47.53	-14.94	15.33	45.27	172.11	41.07	48.57	164.61	-30.43
601	4	863	175.44	-24.39	-108.59	-59.26	-73.72	-41.48	35.49	-13.93	17.28	4.28	23.84
		125	821.81	44.87	-53.10	-51.59	43.36	12.06	-80.53	-325.72	-290.10	-116.14	86.40
		358	861.17	54.65	-53.23	-52.94	54.37	-5.55	56.34	-269.20	-268.80	55.94	11.38
		852	515.15	-49.33	-100.82	-65.42	-84.72	-23.87	193.29	21.66	38.58	176.36	-51.17
601	5	863	184.55	-7.92	-79.70	-50.72	-36.91	-35.22	39.17	-19.05	17.52	2.61	28.14
		125	880.40	53.08	-47.04	-46.63	52.68	6.35	-85.75	-351.68	-314.01	-123.42	92.73
		358	928.85	62.00	-52.52	-52.01	61.49	-7.62	52.36	-296.75	-296.21	51.82	13.72
		852	498.80	-31.54	-77.58	-63.41	-45.72	-21.25	194.15	19.02	35.31	177.85	-50.87
601	6	863	193.62	-25.12	-100.70	-44.66	-81.16	-33.09	50.18	-3.43	23.75	23.00	26.80
		125	827.28	21.83	-43.83	-40.88	18.88	13.59	-60.88	-323.79	-288.68	-95.99	89.44
		358	889.89	28.95	-48.85	-48.79	28.89	-2.22	79.09	-270.00	-269.38	78.47	14.78
		852	563.94	-54.24	-99.25	-62.32	-91.16	-17.28	211.09	29.42	43.05	197.46	-47.86
601	7	863	257.41	46.01	-26.68	15.58	3.75	35.87	53.71	-39.21	22.07	-7.57	44.04
		125	842.52	56.77	-31.42	9.18	16.17	43.96	-70.33	-334.22	-276.42	-128.13	109.14
		358	774.19	47.60	-37.16	-8.46	18.89	40.11	49.76	-252.99	-248.80	45.57	35.35
		852	431.61	32.65	-48.85	-17.23	1.03	39.71	173.29	42.52	49.69	166.13	-29.75
601	8	863	205.13	48.68	-19.58	16.41	12.69	34.08	40.61	-31.22	16.99	-7.60	33.75
		125	664.71	50.57	-25.03	9.89	15.66	37.69	-57.29	-263.83	-217.80	-103.32	85.95
		358	604.29	42.82	-31.89	-6.45	17.39	35.40	36.08	-198.37	-195.08	32.79	27.56
		852	333.81	37.03	-39.78	-13.71	10.96	36.37	134.90	33.33	39.71	128.52	-24.65
601	9	863	186.76	33.66	-18.91	11.51	3.23	25.96	38.61	-28.90	15.62	-5.91	31.99
		125	605.03	40.09	-22.16	7.11	10.82	31.07	-50.51	-240.27	-198.97	-91.80	78.30
		358	558.49	33.74	-26.03	-4.88	12.59	28.58	36.30	-182.73	-179.68	33.26	25.63
		852	308.40	24.44	-33.74	-10.75	1.46	28.44	123.96	30.11	34.91	119.15	-20.68
601	10	863	191.82	41.48	-16.56	13.51	11.41	29.00	37.34	-31.51	14.70	-8.87	32.34
		125	617.62	43.77	-20.79	8.51	14.46	32.14	-54.10	-246.21	-204.02	-96.28	79.53
		358	567.40	37.73	-26.00	-4.15	15.87	30.25	33.13	-187.62	-184.53	30.04	25.97
		852	302.36	32.51	-32.37	-9.85	10.00	30.89	122.55	29.09	34.19	117.45	-21.22
601	11	863	131.62	-16.24	-49.61	-22.54	-43.32	-13.05	36.02	-9.02	16.50	10.51	22.32
		125	593.89	18.18	-25.97	-21.20	13.42	13.69	-46.32	-234.20	-205.87	-74.65	67.23
		358	619.64	19.70	-28.09	-27.66	19.27	4.50	51.36	-192.06	-191.25	50.55	14.01
		852	379.56	-35.12	-50.23	-36.18	-49.17	-3.86	144.15	22.68	31.12	135.70	-30.90
602	1	669	184.69	33.84	-22.12	-21.00	32.72	7.83	25.61	-43.98	3.86	-22.23	-32.26
		863	224.24	28.84	-34.29	-33.93	28.48	4.74	75.61	4.37	66.84	13.14	-23.41
		852	291.27	36.13	17.01	21.86	31.29	8.31	114.50	81.70	81.78	114.43	1.55
		658	210.38	30.75	8.42	9.26	29.91	4.25	79.93	17.93	18.80	79.06	-7.29
602	2	669	183.38	41.08	-21.31	-21.01	40.79	4.27	25.66	-43.78	3.67	-21.79	-32.30
		863	224.70	33.74	-34.48	-34.36	33.62	2.87	75.97	5.00	67.10	13.87	-23.47
		852	294.33	38.13	19.63	21.75	36.00	5.90	114.96	81.78	81.87	114.87	1.73
		658	216.80	38.45	9.46	9.51	38.40	1.24	80.03	17.62	18.44	79.21	-7.10
602	3	669	187.28	56.81	-21.95	-21.93	56.79	-1.19	22.23	-46.47	2.88	-27.12	-30.90
		863	227.80	45.98	-35.71	-35.71	45.98	-0.45	73.96	1.84	66.59	9.20	-21.83
		852	294.08	47.93	20.27	20.40	47.80	1.87	112.23	81.36	81.85	111.75	3.83
		658	217.73	55.23	8.43	8.70	54.97	-3.51	75.91	17.66	18.13	75.44	-5.24
602	4	669	300.61	36.09	-194.37	17.71	-175.99	62.43	47.30	-64.87	18.32	-35.89	-49.10
		863	321.52	27.27	-119.26	22.71	-114.70	25.44	96.20	-18.63	81.21	-3.64	-38.69
		852	317.26	42.97	-114.52	33.11	-104.66	38.15	113.97	80.56	98.05	96.48	-16.69
		658	321.56	32.87	-197.32	21.58	-186.03	49.72	80.45	18.94	35.16	64.23	-27.10
602	5	669	282.19	27.46	-126.95	17.88	-117.38	37.24	45.61	-66.91	16.88	-38.17	-49.07

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		863	315.91	22.27	-76.19	20.93	-74.85	11.39	97.39	-18.43	82.71	-3.75	-38.53
		852	294.66	34.11	-71.84	30.04	-67.77	20.35	113.23	83.54	99.22	97.56	-14.82
		658	269.08	26.87	-129.74	21.59	-124.46	28.27	77.66	18.86	33.39	63.13	-25.36
602	6	669	336.27	31.87	-192.88	9.71	-170.73	67.00	59.86	-56.48	20.96	-17.58	-54.88
		863	309.35	17.92	-117.86	11.18	-111.12	29.49	106.11	-9.37	84.36	12.38	-45.15
		852	362.30	48.96	-112.82	36.54	-100.41	43.06	131.76	80.78	100.14	112.40	-24.74
		658	378.77	34.91	-194.63	21.72	-181.43	53.43	100.95	18.23	36.74	82.44	-34.47
602	7	669	183.90	33.60	-21.11	-20.17	32.66	7.11	24.86	-44.50	3.73	-23.37	-31.93
		863	223.05	28.60	-33.16	-32.87	28.32	4.19	75.15	3.80	66.75	12.20	-22.99
		852	288.90	35.38	17.52	21.85	31.05	7.66	113.34	81.62	81.76	113.20	2.09
		658	206.55	30.56	8.90	9.53	29.93	3.64	78.42	17.95	18.74	77.64	-6.84
602	8	669	141.67	45.54	-18.09	-18.08	45.53	-0.78	17.23	-34.34	2.39	-19.50	-23.35
		863	181.64	36.02	-29.68	-29.68	36.02	0.11	59.34	2.15	52.74	8.75	-18.28
		852	222.52	37.67	17.16	17.35	37.48	1.97	84.43	61.55	61.72	84.25	1.98
		658	164.83	44.26	7.42	7.61	44.07	-2.64	56.22	11.16	11.37	56.01	-3.09
602	9	669	133.72	24.47	-14.91	-14.30	23.86	4.85	18.08	-32.50	2.69	-17.11	-23.27
		863	157.67	21.18	-23.23	-23.05	21.01	2.76	52.96	2.57	47.37	8.16	-15.83
		852	211.24	25.42	12.21	14.72	22.91	5.18	82.99	59.49	59.63	82.84	1.82
		658	152.83	22.32	5.82	6.19	21.96	2.43	58.31	14.22	14.95	57.58	-5.62
602	10	669	135.16	37.24	-14.82	-14.82	37.24	-0.16	16.21	-33.89	2.14	-19.82	-22.52
		863	159.93	30.73	-24.04	-24.04	30.73	-0.13	52.08	1.12	47.23	5.97	-14.96
		852	212.81	32.23	13.77	13.90	32.09	1.60	81.79	59.24	59.67	81.36	3.08
		658	156.86	36.00	5.76	5.87	35.88	-1.88	56.05	14.10	14.58	55.56	-4.48
602	11	669	210.86	16.26	-102.66	2.76	-89.16	37.72	37.08	-39.42	12.18	-14.52	-35.84
		863	198.19	6.34	-60.88	2.01	-56.55	16.51	69.68	-4.84	57.10	7.74	-27.91
		852	238.93	30.31	-57.69	22.88	-50.26	24.48	89.88	61.68	69.83	81.72	-12.79
		658	238.30	20.72	-103.07	13.11	-95.45	29.75	69.16	15.22	24.92	59.46	-20.72
603	1	852	211.70	26.20	-38.36	-3.86	-8.30	32.20	-23.16	-84.21	-82.44	-24.93	-10.24
		358	648.64	29.94	-38.22	-6.58	-1.70	34.00	-42.68	-254.48	-241.61	-55.55	50.60
		284	533.05	41.43	-28.61	14.43	-1.62	34.09	-49.71	-216.47	-201.86	-64.32	47.14
		864	147.00	34.62	-32.35	10.65	-8.38	32.11	-23.78	-52.62	-42.70	-33.70	-13.70
603	2	852	210.69	29.17	-35.02	-4.84	-1.02	32.04	-24.09	-84.76	-83.02	-25.84	-10.14
		358	655.71	29.70	-37.07	-7.89	0.52	33.12	-43.88	-257.32	-244.32	-56.88	51.06
		284	539.51	39.90	-26.33	12.58	0.98	32.60	-53.41	-219.90	-205.09	-68.23	47.40
		864	151.47	36.86	-29.13	9.21	-1.48	32.56	-26.30	-54.67	-43.79	-37.18	-13.80
603	3	852	221.96	39.32	-39.98	-6.12	5.46	39.23	-30.64	-89.52	-87.23	-32.93	-11.38
		358	671.44	36.26	-44.61	-10.55	2.20	39.93	-51.12	-263.87	-250.17	-64.81	52.21
		284	546.30	48.90	-29.38	16.29	3.23	38.59	-55.73	-222.50	-206.96	-71.27	48.47
		864	165.75	49.08	-32.42	12.22	4.44	40.56	-26.41	-56.99	-44.02	-39.38	-15.12
603	4	852	301.30	-14.91	-84.77	-27.14	-72.54	-26.55	-2.05	-106.01	-93.39	-14.67	-33.94
		358	686.36	34.84	-23.03	-20.53	32.34	-11.76	-43.49	-269.25	-265.97	-46.77	27.03
		284	574.05	24.45	-7.88	-7.86	24.43	0.88	-58.00	-234.61	-231.59	-61.02	22.91
		864	267.33	5.21	-86.61	-16.77	-64.63	-39.18	-3.03	-84.89	-59.01	-28.92	-38.07
603	5	852	324.83	-12.89	-51.29	-35.58	-28.59	-18.88	-12.60	-117.46	-104.46	-25.60	-34.55
		358	768.41	45.46	-33.15	-32.28	44.60	-8.20	-56.39	-301.09	-297.01	-60.47	31.33
		284	648.71	39.32	-15.01	-15.01	39.32	0.33	-77.92	-266.62	-262.61	-81.94	27.22
		864	276.34	4.47	-50.35	-22.57	-23.31	-27.41	-18.22	-98.89	-70.06	-47.06	-38.66
603	6	852	287.61	-8.70	-92.10	-21.50	-79.31	-30.05	15.74	-95.48	-87.09	7.35	-29.37
		358	717.99	21.70	-23.00	-15.04	13.74	-17.10	-21.20	-275.37	-271.89	-24.68	29.52
		284	621.77	8.65	-9.68	-7.65	6.61	-5.75	-43.15	-249.76	-246.50	-46.41	25.75
		864	251.35	6.77	-93.89	-14.94	-72.18	-41.40	2.67	-78.75	-61.69	-14.39	-33.14
603	7	852	211.59	26.26	-37.18	-4.68	-6.23	31.71	-24.75	-84.83	-82.82	-26.75	-10.79
		358	647.25	30.52	-37.12	-7.40	0.80	33.57	-44.74	-254.43	-241.59	-57.58	50.28
		284	530.13	41.68	-26.99	13.84	0.85	33.71	-52.06	-215.91	-201.35	-66.63	46.62
		864	149.84	34.45	-30.75	9.99	-6.29	31.57	-24.35	-54.03	-42.58	-35.80	-14.45
603	8	852	164.91	30.92	-32.53	-6.21	4.60	31.26	-24.43	-66.55	-64.65	-26.33	-8.73
		358	512.00	27.44	-36.86	-10.07	0.64	31.70	-40.25	-201.00	-190.43	-50.82	39.84
		284	417.12	38.08	-23.76	12.71	1.61	30.42	-42.71	-169.83	-158.02	-54.51	36.90
		864	126.76	39.16	-26.18	9.34	3.64	32.55	-19.41	-42.85	-32.24	-30.02	-11.67
603	9	852	155.12	19.12	-26.27	-2.29	-4.86	22.66	-16.42	-61.63	-60.31	-17.74	-7.62
		358	466.86	21.85	-26.13	-4.12	-0.15	23.91	-30.58	-183.29	-174.11	-39.76	36.30
		284	382.39	29.57	-19.52	10.17	-0.12	24.00	-36.49	-155.54	-144.99	-47.04	33.83
		864	107.21	24.75	-22.07	7.58	-4.89	22.57	-17.56	-38.66	-31.19	-25.02	-10.09
603	10	852	160.50	26.37	-27.13	-3.55	2.79	26.56	-20.58	-64.57	-62.97	-22.18	-8.25
		358	479.47	25.37	-29.68	-6.33	2.02	27.21	-35.27	-188.50	-178.87	-44.90	37.20
		284	389.75	33.74	-19.96	11.20	2.58	26.50	-39.83	-158.89	-147.83	-50.90	34.57
		864	117.63	32.78	-22.10	8.45	2.23	27.26	-19.01	-41.09	-31.93	-28.18	-10.88
603	11	852	190.39	-8.15	-48.24	-12.09	-44.31	-11.93	5.09	-67.79	-62.89	0.19	-18.25
		358	501.85	9.52	-9.92	-8.82	8.43	-4.48	-19.08	-194.45	-190.93	-22.60	24.59
		284	427.35	4.95	-2.59	-2.10	4.46	1.86	-33.56	-173.33	-169.79	-37.09	21.95
		864	154.68	1.37	-48.34	-6.64	-40.34	-18.27	-3.02	-53.02	-41.75	-14.29	-20.89
604	1	658	89.87	11.96	-3.80	9.52	-1.37	5.70	33.99	8.91	29.08	13.82	9.95

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		852	79.60	15.27	5.81	6.03	15.05	1.42	31.79	20.70	31.54	20.95	-1.64
		864	197.74	14.28	-18.06	-18.05	14.28	0.41	2.65	-67.35	-0.72	-63.98	14.99
		670	225.12	1.12	-26.83	-25.12	-0.60	6.71	5.99	-80.28	-3.18	-71.12	26.58
604	2	658	89.61	12.91	7.36	11.50	8.77	2.42	34.17	7.88	28.84	13.21	10.57
		852	80.85	20.13	7.38	7.47	20.04	-1.08	31.46	20.78	31.35	20.89	-1.10
		864	209.51	19.90	-16.35	-16.30	19.85	-1.33	2.44	-70.60	-1.41	-66.75	16.32
		670	242.33	9.17	-23.09	-22.87	8.95	2.67	5.84	-84.19	-3.92	-74.43	27.99
604	3	658	93.69	22.60	13.74	13.76	22.58	-0.36	34.68	2.83	28.69	8.82	12.44
		852	77.79	29.77	8.42	8.93	29.26	-3.26	30.56	15.74	30.55	15.75	0.42
		864	226.16	29.84	-16.14	-15.98	29.67	-2.76	1.72	-74.78	-2.31	-70.75	17.09
		670	261.65	22.19	-22.44	-22.42	22.18	-0.86	5.96	-87.81	-4.17	-77.68	29.11
604	4	658	189.85	-14.98	-160.75	-20.61	-155.12	28.09	45.95	-5.09	44.70	-3.84	-7.90
		852	159.71	-9.27	-73.26	-12.82	-69.71	14.64	54.81	-4.07	46.91	3.83	-20.07
		864	297.76	-22.86	-79.31	-22.97	-79.20	2.43	12.84	-88.18	12.79	-88.14	-2.21
		670	367.71	-19.63	-158.52	-32.52	-145.63	40.30	11.51	-96.73	10.58	-95.81	9.96
604	5	658	169.07	-6.92	-85.47	-7.54	-84.85	6.95	44.18	-9.80	43.94	-9.56	-3.56
		852	154.50	-3.61	-34.81	-3.65	-34.77	-1.17	51.20	-5.72	45.39	0.08	-17.23
		864	312.84	-10.39	-42.42	-12.61	-40.19	-8.15	7.19	-105.38	7.03	-105.22	4.30
		670	373.75	-15.88	-82.48	-18.93	-79.43	13.92	8.20	-117.49	5.58	-114.86	17.97
604	6	658	174.64	-12.01	-162.55	-18.49	-156.08	30.55	52.56	9.52	46.81	15.27	-14.64
		852	193.31	-7.32	-82.30	-11.93	-77.70	18.00	66.13	7.42	49.21	24.34	-26.59
		864	263.41	-23.12	-87.05	-23.88	-86.28	6.96	15.45	-72.58	14.90	-72.03	-6.91
		670	328.16	-19.73	-161.03	-33.27	-147.49	41.59	12.77	-81.37	12.50	-81.10	5.05
604	7	658	90.97	11.64	-2.00	9.65	-9.63e-03	4.82	34.00	7.00	28.98	12.02	10.50
		852	78.40	16.30	6.18	6.22	16.27	0.58	31.52	19.12	31.43	19.21	-1.08
		864	205.24	15.51	-17.53	-17.53	15.50	-0.42	2.69	-69.81	-0.85	-66.27	15.63
		670	232.95	2.04	-25.78	-24.50	0.76	5.83	6.02	-82.78	-3.29	-73.47	27.20
604	8	658	71.18	18.68	11.69	11.77	18.60	-0.74	25.89	1.09	21.06	5.91	9.82
		852	55.82	23.75	7.10	7.66	23.19	-3.00	21.69	10.69	21.61	10.77	0.93
		864	171.70	23.80	-13.09	-12.93	23.63	-2.44	1.11	-56.48	-1.98	-53.39	12.96
		670	198.63	18.20	-18.23	-18.18	18.16	-1.30	5.02	-65.80	-2.53	-58.25	21.85
604	9	658	65.33	8.24	-1.53	6.52	0.19	3.72	24.91	6.47	21.45	9.92	7.19
		852	59.71	11.51	4.05	4.14	11.43	0.80	24.03	15.20	23.84	15.39	-1.29
		864	146.32	10.90	-12.29	-12.29	10.90	0.10	2.24	-49.71	-0.28	-47.18	11.17
		670	166.78	1.76	-18.15	-17.12	0.72	4.41	4.14	-59.45	-2.67	-52.65	19.65
604	10	658	67.42	13.53	8.84	8.87	13.50	0.36	25.29	3.09	21.24	7.14	8.57
		852	58.69	19.56	5.51	5.75	19.32	-1.80	23.29	12.49	23.29	12.50	-0.14
		864	162.10	19.54	-11.23	-11.14	19.45	-1.66	1.73	-53.83	-1.17	-50.94	12.34
		670	187.09	13.38	-15.62	-15.62	13.38	0.21	4.12	-63.64	-3.22	-56.30	21.06
604	11	658	101.01	-5.23	-89.57	-9.04	-85.76	17.53	33.17	8.86	31.30	10.73	-6.47
		852	117.89	-3.13	-42.81	-5.84	-40.10	10.01	42.69	8.24	33.66	17.27	-15.15
		864	174.06	-15.06	-45.44	-15.53	-44.97	3.74	8.42	-51.67	8.40	-51.66	-0.99
		670	219.21	-13.27	-89.26	-21.65	-80.89	23.80	6.95	-59.11	6.05	-58.20	7.69
605	1	864	267.87	27.31	-60.87	11.04	-44.60	34.21	69.36	-26.12	25.01	18.24	47.62
		284	848.35	44.44	-54.40	7.88	-17.84	47.72	-47.07	-328.11	-279.29	-95.89	106.48
		362	843.88	33.27	-52.30	-4.60	-14.42	42.50	83.80	-263.22	-259.58	80.15	35.36
		853	521.98	13.11	-73.44	-12.32	-48.01	39.42	197.89	41.11	44.71	194.28	-23.50
605	2	864	270.19	30.38	-55.40	11.88	-36.90	35.28	67.75	-28.40	24.71	14.65	47.81
		284	858.17	47.40	-51.01	8.20	-11.81	48.18	-51.49	-333.26	-283.73	-101.02	107.25
		362	849.52	36.25	-50.00	-5.29	-8.46	43.10	78.38	-267.94	-264.33	74.77	35.20
		853	509.29	15.80	-69.31	-13.26	-40.25	40.36	194.34	40.20	44.11	190.43	-24.25
605	3	864	275.65	39.97	-59.11	16.70	-35.83	42.00	65.48	-29.75	22.96	12.77	47.34
		284	862.48	52.86	-56.22	12.54	-15.90	52.65	-52.94	-334.91	-283.97	-103.88	108.49
		362	843.42	41.50	-55.78	-1.30	-12.98	48.29	80.15	-265.38	-261.55	76.32	36.17
		853	517.76	24.88	-72.54	-8.91	-38.76	46.37	197.08	41.27	45.38	192.97	-24.97
605	4	864	154.15	-31.42	-72.41	-38.67	-65.16	-15.64	39.35	-9.59	7.77	21.98	23.42
		284	869.95	10.74	-40.55	-34.98	5.17	15.96	-59.97	-340.94	-309.61	-91.31	88.45
		362	948.33	12.21	-38.24	-37.64	11.61	5.47	94.57	-287.13	-286.21	93.65	18.72
		853	589.53	-44.58	-72.58	-45.56	-71.59	-5.15	218.39	19.71	31.17	206.94	-46.31
605	5	864	130.03	-27.47	-29.13	-29.12	-27.48	0.13	30.84	-24.27	1.21	5.36	27.48
		284	968.95	33.52	-38.24	-28.90	24.18	24.15	-80.81	-384.56	-348.24	-117.13	98.56
		362	1028.00	32.98	-40.66	-37.11	29.43	15.77	77.90	-325.75	-324.38	76.54	23.47
		853	560.17	-28.49	-49.74	-45.49	-32.73	8.50	211.19	12.90	25.08	199.02	-47.60
605	6	864	214.01	-23.72	-78.73	-34.80	-67.65	-22.06	60.48	-6.62	14.11	39.75	31.01
		284	950.37	-8.42	-35.35	-34.39	-9.38	4.98	-44.81	-368.86	-336.05	-77.62	97.75
		362	1068.21	-3.00	-43.74	-43.25	-3.49	-4.42	114.59	-320.87	-319.50	113.22	24.35
		853	640.11	-46.60	-79.49	-52.55	-73.54	-12.66	239.21	22.04	30.66	230.59	-42.39
605	7	864	263.46	27.41	-58.81	10.57	-41.97	34.18	66.97	-26.73	24.52	15.72	46.64
		284	843.19	45.71	-52.72	7.53	-14.55	47.96	-49.73	-326.91	-278.08	-98.56	105.60
		362	834.36	34.86	-50.72	-4.76	-11.09	42.67	80.42	-261.33	-257.82	76.91	34.49
		853	514.00	13.82	-71.72	-12.47	-45.43	39.47	195.17	40.81	44.79	191.19	-24.47
605	8	864	211.39	32.34	-47.71	13.76	-29.13	33.80	51.15	-20.74	18.83	11.58	35.77

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		284	662.26	42.25	-45.68	9.94	-13.37	42.39	-39.49	-256.17	-216.57	-79.08	83.73
		362	644.20	32.40	-45.67	-2.32	-10.95	38.80	63.12	-200.98	-198.04	60.19	27.69
		853	405.41	18.86	-59.29	-8.88	-31.55	37.39	154.36	33.84	37.36	150.84	-20.27
605	9	864	191.72	19.40	-41.57	7.71	-29.89	24.00	48.84	-19.85	17.62	11.37	34.20
		284	607.48	31.42	-37.24	5.67	-11.49	33.24	-35.25	-235.79	-200.87	-70.18	76.05
		362	604.87	24.00	-35.75	-2.57	-9.18	29.69	58.64	-189.74	-187.16	56.06	25.18
		853	368.94	10.17	-50.11	-7.74	-32.20	27.54	140.16	28.77	31.32	137.60	-16.67
605	10	864	196.10	26.45	-40.61	10.85	-25.02	28.33	46.69	-21.89	16.48	8.33	34.05
		284	615.33	36.09	-38.25	8.26	-10.42	35.98	-38.52	-239.57	-203.47	-74.62	77.17
		362	604.60	28.57	-37.68	-0.73	-8.37	32.90	56.61	-190.94	-188.26	53.93	25.63
		853	366.56	16.69	-49.60	-5.84	-27.06	31.40	139.70	28.86	31.69	136.87	-17.49
605	11	864	146.55	-15.79	-44.66	-17.75	-42.69	-7.27	43.09	-8.21	11.57	23.32	24.97
		284	661.46	-1.33	-23.28	-17.81	-6.80	9.49	-34.42	-258.01	-232.40	-60.03	71.20
		362	728.29	-2.49	-24.65	-24.05	-3.10	3.62	75.66	-221.68	-220.45	74.43	19.06
		853	434.52	-29.97	-46.51	-30.09	-46.39	-1.39	163.06	18.23	23.51	157.78	-27.17
606	1	670	230.84	8.16	-59.59	-23.05	-28.37	33.77	45.61	-36.87	8.61	0.14	-41.02
		864	243.01	-1.29	-47.73	-33.18	-15.84	21.54	84.53	11.25	67.12	28.67	-31.19
		853	344.79	36.21	-27.41	19.65	-10.85	27.91	143.82	83.89	86.26	141.45	-11.68
		659	322.39	19.75	-47.50	5.61	-33.36	27.40	118.04	22.63	27.75	112.92	-21.51
606	2	670	221.16	9.15	-50.38	-22.99	-18.24	29.67	42.49	-38.04	7.92	-3.48	-39.86
		864	237.44	1.80	-43.65	-33.48	-8.37	18.94	82.55	10.08	66.86	25.77	-29.85
		853	331.42	35.38	-19.50	19.63	-3.75	24.83	140.09	84.34	86.13	138.30	-9.84
		659	302.60	19.32	-36.27	5.90	-22.85	23.78	113.61	22.64	27.19	109.05	-19.84
606	3	670	222.15	12.30	-48.28	-25.78	-10.20	29.27	42.21	-38.64	7.93	-4.36	-39.95
		864	240.83	6.46	-45.56	-37.19	-1.90	19.11	82.59	9.31	67.05	24.85	-29.96
		853	331.03	37.31	-15.31	19.32	2.68	24.96	141.39	84.75	86.55	139.59	-9.93
		659	300.60	20.55	-30.31	5.03	-14.78	23.42	114.92	22.89	27.43	110.38	-19.93
606	4	670	321.50	17.73	-122.82	3.29	-108.37	42.68	61.97	-61.92	21.46	-21.42	-58.12
		864	324.96	9.03	-82.74	2.96	-76.67	22.80	107.92	-19.09	82.30	6.53	-50.97
		853	368.51	30.05	-79.94	21.04	-70.94	30.16	141.19	75.33	97.19	119.33	-31.02
		659	358.98	21.54	-123.30	12.35	-114.11	35.32	110.91	16.81	36.35	91.38	-38.17
606	5	670	292.49	7.01	-53.21	-1.16	-45.04	20.62	51.22	-70.23	17.70	-36.71	-54.29
		864	311.28	-0.51	-34.33	-4.11	-30.73	10.43	100.82	-25.34	80.75	-5.27	-46.15
		853	317.74	21.32	-31.83	16.87	-27.38	14.72	130.42	80.56	97.25	113.73	-23.53
		659	276.58	14.23	-52.65	9.97	-48.39	16.33	98.01	18.48	34.20	82.29	-31.67
606	6	670	352.13	17.30	-126.68	3.02	-112.40	43.04	74.40	-57.32	22.39	-5.31	-64.39
		864	356.78	7.22	-87.18	1.29	-81.25	22.90	121.71	-11.07	87.62	23.02	-58.00
		853	417.65	34.08	-83.81	25.50	-75.24	30.62	160.27	77.04	100.53	136.78	-37.46
		659	413.39	24.21	-127.17	15.46	-118.42	35.33	128.97	14.78	35.30	108.45	-43.84
606	7	670	226.15	8.33	-56.73	-22.54	-25.87	32.49	43.66	-37.68	8.48	-2.49	-40.30
		864	239.76	-0.57	-45.85	-32.58	-13.83	20.61	83.18	9.99	66.94	26.22	-30.41
		853	336.13	35.73	-25.07	19.62	-8.95	26.84	140.62	83.98	86.11	138.48	-10.79
		659	311.32	19.52	-44.46	5.80	-30.74	26.26	114.68	22.74	27.65	109.76	-20.67
606	8	670	170.00	10.13	-38.46	-21.24	-7.09	23.24	33.01	-28.28	6.30	-1.57	-30.39
		864	193.64	5.14	-37.64	-30.99	-1.51	15.50	66.34	7.77	53.00	21.12	-24.57
		853	253.23	30.72	-12.07	16.52	2.14	20.15	108.02	63.56	65.34	106.24	-8.72
		659	228.47	17.10	-23.15	4.70	-10.74	18.58	86.66	15.53	18.65	83.55	-14.55
606	9	670	164.27	5.81	-40.45	-15.77	-18.87	23.08	31.86	-27.49	6.05	-1.68	-29.42
		864	169.26	-0.42	-32.19	-22.60	-10.01	14.58	58.96	7.47	47.63	18.80	-21.33
		853	245.69	24.74	-18.07	13.24	-6.57	18.97	102.89	61.41	62.81	101.48	-7.49
		659	229.12	13.44	-32.08	3.66	-22.30	18.69	84.83	17.41	21.23	81.01	-15.59
606	10	670	159.72	7.99	-34.05	-17.29	-8.77	20.58	30.00	-28.50	5.67	-4.18	-28.83
		864	168.34	3.84	-30.94	-24.83	-2.26	13.23	57.92	6.34	47.59	16.68	-20.64
		853	238.18	25.36	-11.35	13.06	0.95	17.33	101.55	61.87	62.97	100.45	-6.52
		659	217.05	13.85	-22.50	3.34	-11.98	16.48	83.09	17.56	21.05	79.60	-14.71
606	11	670	231.10	9.35	-76.19	-1.29	-65.55	28.23	47.90	-38.89	13.71	-4.70	-42.41
		864	231.11	1.47	-51.27	-3.45	-46.35	15.34	79.56	-4.88	59.02	15.66	-36.23
		853	283.54	22.92	-48.76	16.49	-42.34	20.47	110.77	58.85	70.74	98.89	-21.81
		659	278.89	15.42	-75.83	9.14	-69.56	23.10	90.56	13.39	25.42	78.53	-28.00
607	1	853	282.79	10.23	-73.06	4.68	-67.52	20.77	15.28	-83.81	-83.40	14.87	-6.37
		362	730.59	4.82	-79.35	-1.01	-73.53	21.37	3.84	-266.22	-256.28	-6.09	50.84
		288	707.98	36.54	-75.62	33.04	-72.12	19.49	29.95	-235.11	-221.44	16.28	58.61
		865	254.91	33.09	-73.95	28.07	-68.92	22.65	37.27	-48.58	-48.56	37.24	1.40
607	2	853	273.80	10.58	-67.65	2.53	-59.60	23.77	8.79	-86.37	-85.75	8.17	-7.66
		362	727.91	4.57	-75.05	-3.75	-66.74	24.35	-3.82	-271.32	-261.15	-13.99	51.16
		288	700.00	38.37	-69.93	33.60	-65.15	22.23	21.89	-238.37	-224.61	8.12	58.25
		865	237.84	35.14	-68.14	28.18	-61.18	25.90	30.29	-49.21	-49.21	30.28	-0.57
607	3	853	279.33	16.14	-70.34	6.49	-60.69	27.23	10.72	-85.77	-85.25	10.20	-7.07
		362	723.89	8.76	-82.43	-0.11	-73.56	27.01	-1.05	-267.05	-256.55	-11.55	51.79
		288	695.93	41.53	-76.75	36.35	-71.57	24.21	27.35	-232.40	-218.22	13.16	59.02
		865	245.73	40.20	-71.45	31.43	-62.68	30.03	34.91	-46.92	-46.92	34.91	0.17
607	4	853	335.13	-23.51	-75.14	-25.84	-72.81	-10.72	24.69	-107.54	-102.02	19.17	-26.43

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		362	781.64	-28.68	-55.12	-30.38	-53.42	-6.48	2.10	-291.42	-287.32	-2.00	34.47
		288	747.86	9.76	-54.25	9.30	-53.79	-5.44	21.69	-258.85	-251.73	14.57	44.11
		865	286.64	3.64	-74.26	1.82	-72.44	-11.76	38.44	-69.13	-66.44	35.75	-16.80
607	5	853	347.66	-25.56	-52.75	-35.62	-42.69	13.13	-1.36	-128.97	-122.10	-8.23	-28.79
		362	875.59	-28.01	-60.15	-45.89	-42.28	15.97	-28.54	-333.01	-326.48	-35.07	44.10
		288	786.51	24.31	-43.36	21.38	-40.43	13.76	0.06	-286.93	-276.97	-9.90	52.53
		865	270.98	14.74	-48.50	10.77	-44.53	15.34	21.35	-77.01	-72.59	16.94	-20.36
607	6	853	354.58	-17.87	-76.31	-30.42	-63.76	-24.00	33.97	-111.41	-108.01	30.57	-21.97
		362	913.61	-19.33	-64.15	-33.72	-49.76	-20.93	11.81	-336.13	-331.39	7.07	40.34
		288	877.53	2.78	-57.73	-4.93	-50.02	-20.18	6.32	-318.44	-310.24	-1.89	50.97
		865	289.02	-0.61	-73.24	-10.35	-63.50	-24.74	22.79	-88.03	-86.86	21.62	-11.34
607	7	853	276.61	10.49	-70.87	4.24	-64.62	21.66	12.49	-83.84	-83.25	11.90	-7.47
		362	716.65	5.14	-76.77	-1.49	-70.13	22.35	0.52	-263.49	-253.71	-9.26	49.85
		288	690.94	37.10	-72.72	33.12	-68.75	20.51	26.90	-231.18	-217.80	13.52	57.21
		865	245.30	33.57	-71.55	28.02	-66.00	23.50	34.68	-47.34	-47.34	34.68	-0.11
607	8	853	207.55	11.90	-55.59	3.84	-47.53	21.89	7.91	-63.43	-63.05	7.54	-5.16
		362	549.65	5.63	-65.95	-1.65	-58.67	21.64	-0.95	-203.07	-194.91	-9.11	39.78
		288	533.73	32.65	-61.12	28.51	-56.98	19.27	22.54	-176.93	-166.03	11.64	45.32
		865	188.64	31.74	-56.49	24.47	-49.21	24.27	28.29	-34.18	-34.18	28.29	0.37
607	9	853	204.04	7.81	-50.31	3.81	-46.31	14.72	10.46	-61.18	-60.82	10.09	-5.09
		362	523.10	4.10	-54.65	-0.09	-50.46	15.13	1.96	-191.14	-184.12	-5.06	36.14
		288	502.05	25.76	-52.04	23.22	-49.50	13.83	19.06	-168.38	-158.65	9.32	41.59
		865	177.79	23.44	-50.90	19.82	-47.28	16.01	24.48	-35.35	-35.35	24.48	0.36
607	10	853	202.21	11.07	-48.77	4.81	-42.52	18.31	7.93	-62.28	-61.85	7.50	-5.47
		362	519.40	6.29	-56.35	0.41	-50.48	18.26	-0.77	-191.59	-184.26	-8.09	36.66
		288	495.40	28.54	-52.67	25.06	-49.19	16.46	17.61	-166.88	-156.86	7.59	41.81
		865	172.84	27.37	-49.49	21.69	-43.81	20.11	23.19	-34.44	-34.44	23.18	-0.33
607	11	853	243.79	-12.45	-47.47	-15.69	-44.23	-10.15	20.80	-76.48	-74.49	18.82	-13.76
		362	624.28	-15.10	-40.42	-18.26	-37.26	-8.37	6.20	-229.80	-225.84	2.25	30.30
		288	596.18	3.77	-38.86	2.13	-37.22	-8.20	5.75	-214.50	-207.98	-0.77	37.34
		865	196.83	0.84	-46.63	-1.52	-44.27	-10.32	16.42	-57.25	-56.63	15.80	-6.72
608	1	659	165.63	5.42	-61.45	-1.45	-54.58	20.30	56.29	33.98	36.91	53.35	-7.54
		853	194.11	4.45	-50.09	-2.29	-43.35	17.95	69.58	23.80	37.81	55.57	-21.10
		865	68.81	-4.65	-51.36	-11.83	-44.18	16.85	11.11	-10.53	4.22	-3.64	-10.08
		848	65.25	-5.47	-63.24	-14.95	-53.76	21.40	4.49	-7.03	3.32	-5.86	3.49
608	2	659	145.32	6.39	-50.76	0.35	-44.72	17.57	50.23	34.38	36.48	48.12	-5.38
		853	174.21	4.95	-41.15	-0.94	-35.25	15.39	63.95	23.52	37.01	50.46	-19.07
		865	57.11	-4.77	-42.71	-11.66	-35.83	14.62	6.61	-14.50	3.21	-11.10	-7.76
		848	80.27	-6.07	-52.98	-14.91	-44.15	18.34	4.63	-15.38	2.68	-13.43	5.93
608	3	659	149.49	7.71	-48.84	0.81	-41.93	18.51	52.52	34.39	36.74	50.17	-6.10
		853	178.78	6.02	-40.68	-0.80	-33.86	16.49	65.69	23.73	37.42	52.00	-19.67
		865	63.08	-3.83	-42.63	-12.21	-34.25	15.97	9.28	-12.03	4.09	-6.84	-9.15
		848	65.74	-5.46	-51.59	-15.50	-41.55	19.04	4.86	-10.12	3.42	-8.67	4.43
608	4	659	182.82	-3.54	-82.14	-5.44	-80.24	12.06	64.69	18.31	47.44	35.55	-22.41
		853	236.26	-2.69	-73.79	-4.40	-72.08	10.90	82.52	7.03	49.23	40.33	-37.48
		865	166.49	-2.62	-74.35	-3.94	-73.02	9.67	21.08	-38.21	10.99	-28.11	-22.28
		848	153.55	-2.21	-81.59	-4.50	-79.30	13.29	10.41	-34.09	9.21	-32.89	-7.22
608	5	659	128.54	4.72	-26.00	4.67	-25.95	1.18	52.41	14.95	46.26	21.09	-13.88
		853	179.68	2.25	-34.31	2.16	-34.21	1.87	67.60	3.18	45.43	25.35	-30.61
		865	174.44	-4.50	-33.38	-4.93	-32.95	3.50	8.54	-54.39	4.82	-50.66	-14.85
		848	170.61	-5.90	-27.22	-5.91	-27.21	-0.45	5.71	-54.97	5.65	-54.91	1.88
608	6	659	198.72	-1.03	-75.86	-1.86	-75.03	7.85	71.80	24.25	48.14	47.91	-23.77
		853	265.19	-1.11	-74.90	-1.91	-74.10	7.66	94.44	13.18	49.96	57.66	-40.45
		865	167.62	-1.83	-74.96	-2.62	-74.17	7.57	11.77	-42.15	5.37	-35.75	-17.44
		848	175.30	-1.99	-75.82	-2.86	-74.96	7.95	3.56	-45.51	3.55	-45.50	-0.77
608	7	659	155.87	5.41	-58.51	-1.15	-51.95	19.40	52.90	33.89	36.75	50.04	-6.79
		853	183.80	4.45	-46.87	-1.99	-40.44	16.99	66.37	23.45	37.67	52.15	-20.21
		865	64.12	-4.79	-48.18	-11.68	-41.29	15.86	9.81	-12.10	4.44	-6.74	-9.42
		848	71.22	-5.60	-60.36	-14.86	-51.10	20.53	4.70	-10.02	3.52	-8.85	4.00
608	8	659	114.50	6.73	-37.57	1.54	-32.38	14.25	40.18	25.63	27.32	38.49	-4.66
		853	134.89	5.05	-31.49	-0.02	-26.42	12.63	49.13	17.18	26.96	39.35	-14.72
		865	50.77	-3.51	-33.21	-10.11	-26.62	12.34	8.15	-8.15	3.11	-3.11	-7.53
		848	43.10	-5.11	-39.98	-12.93	-32.17	14.54	4.25	-4.75	3.47	-3.97	2.53
608	9	659	115.34	3.62	-42.11	-1.20	-37.29	14.04	39.43	24.88	26.96	37.35	-5.09
		853	137.11	3.05	-34.12	-1.70	-29.37	12.41	49.78	17.87	28.28	39.37	-14.96
		865	44.76	-3.05	-34.98	-8.06	-29.97	11.62	6.70	-8.64	3.21	-5.16	-6.43
		848	54.03	-3.54	-43.33	-10.18	-36.69	14.84	3.05	-8.34	1.89	-7.19	3.44
608	10	659	106.50	4.90	-35.11	0.06	-30.26	13.05	37.34	25.11	26.87	35.58	-4.29
		853	128.72	3.93	-28.90	-0.88	-24.10	11.60	47.63	17.82	28.06	37.39	-14.16
		865	42.89	-2.61	-30.12	-8.27	-24.45	11.12	5.87	-9.66	3.14	-6.93	-5.91
		848	54.28	-3.54	-36.85	-10.49	-29.91	13.53	3.25	-10.05	1.94	-8.74	3.96
608	11	659	132.92	-0.37	-49.70	-1.42	-48.65	7.13	47.88	19.64	33.20	34.32	-14.11

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		853	176.39	-0.52	-47.42	-1.49	-46.45	6.70	63.63	11.93	35.03	40.53	-25.70
		865	105.20	-2.01	-47.56	-2.95	-46.63	6.46	7.48	-26.63	3.85	-23.00	-10.52
		848	112.58	-2.28	-49.64	-3.46	-48.47	7.37	2.05	-29.25	2.02	-29.21	1.07
609	1	865	428.42	23.50	-100.86	23.50	-100.86	-0.68	127.39	-25.00	9.38	93.01	63.69
		288	1050.28	15.26	-160.00	12.29	-157.03	-22.61	52.70	-339.02	-289.02	2.71	130.71
		181	1216.52	-5.62	-161.97	-7.42	-160.18	-16.66	219.41	-268.48	-255.58	206.52	78.26
		854	805.31	-9.52	-98.22	-10.02	-97.72	-6.63	297.32	42.32	42.81	296.83	11.24
609	2	865	405.51	24.94	-94.30	24.84	-94.21	3.39	120.58	-26.32	8.21	86.05	62.29
		288	1038.47	15.62	-150.20	13.72	-148.30	-17.63	44.12	-342.45	-291.67	-6.66	130.58
		181	1193.14	-5.12	-152.25	-6.10	-151.26	-11.98	210.82	-269.37	-256.75	198.21	76.81
		854	784.29	-8.87	-91.31	-8.94	-91.24	-2.26	291.21	42.84	43.13	290.92	8.52
609	3	865	414.40	28.05	-98.19	27.91	-98.05	4.22	124.30	-24.15	9.79	90.36	62.35
		288	1031.71	18.21	-157.50	16.30	-155.59	-18.21	49.45	-334.83	-284.18	-1.20	130.00
		181	1191.14	-3.27	-159.73	-4.22	-158.79	-12.14	215.82	-261.38	-248.63	203.07	76.94
		854	794.89	-6.98	-94.89	-7.02	-94.86	-1.84	294.98	44.99	45.34	294.63	9.29
609	4	865	377.90	6.50	-90.99	4.34	-88.82	-14.35	104.02	-27.09	-10.11	87.03	44.02
		288	1092.98	-0.48	-157.34	-9.67	-148.15	-36.83	41.43	-363.98	-322.35	-0.20	123.06
		181	1269.77	-28.23	-158.91	-36.11	-151.03	-31.11	228.07	-289.65	-278.54	216.96	75.02
		854	816.21	-33.42	-93.62	-41.09	-85.95	-20.08	304.26	33.64	33.70	304.20	-4.03
609	5	865	340.10	22.18	-74.25	21.31	-73.38	9.11	91.32	-36.34	-16.01	70.99	46.71
		288	1141.66	7.63	-141.56	5.86	-139.79	-16.13	19.74	-399.14	-349.48	-29.93	135.42
		181	1286.64	-22.37	-143.83	-23.15	-143.05	-9.67	217.24	-309.08	-296.66	204.82	79.91
		854	811.01	-28.32	-70.28	-28.48	-70.12	2.64	306.02	36.52	36.81	305.73	-8.79
609	6	865	399.26	2.95	-74.91	-2.32	-69.65	-19.55	106.66	-40.95	-14.00	79.71	57.03
		288	1280.05	-6.40	-124.87	-17.62	-113.66	-34.68	23.69	-451.81	-403.18	-24.94	144.08
		181	1426.15	-37.06	-127.71	-50.00	-114.77	-31.71	212.82	-380.26	-367.87	200.42	84.83
		854	815.61	-40.60	-86.68	-58.75	-68.53	-22.52	305.09	21.30	21.32	305.07	-2.22
609	7	865	412.93	23.49	-98.24	23.48	-98.23	0.54	122.97	-24.01	9.26	89.69	61.51
		288	1025.71	15.08	-155.59	12.50	-153.01	-20.84	49.19	-332.97	-283.60	-0.18	128.17
		181	1187.38	-5.36	-157.57	-6.86	-156.06	-15.04	214.59	-261.77	-249.30	202.12	76.07
		854	789.58	-9.13	-95.50	-9.45	-95.18	-5.26	292.35	43.21	43.57	291.99	9.41
609	8	865	322.61	22.63	-78.33	22.46	-78.16	4.21	97.95	-16.33	9.24	72.38	47.62
		288	793.35	14.11	-124.07	12.88	-122.83	-13.02	40.36	-255.75	-216.44	1.05	100.47
		181	916.29	-3.93	-125.78	-4.52	-125.19	-8.46	168.94	-197.86	-188.05	159.14	59.17
		854	619.96	-7.27	-75.80	-7.27	-75.79	-0.35	230.67	37.42	37.62	230.47	6.32
609	9	865	298.45	16.40	-69.29	16.39	-69.28	-0.45	88.39	-18.61	6.24	63.55	45.18
		288	744.74	10.83	-110.44	8.75	-108.36	-15.76	34.61	-242.69	-207.09	-0.99	92.76
		181	861.16	-3.32	-111.82	-4.57	-110.57	-11.57	153.32	-192.55	-183.48	144.25	55.27
		854	565.76	-5.87	-67.42	-6.22	-67.07	-4.63	209.12	29.52	29.85	208.79	7.68
609	10	865	290.63	18.90	-67.78	18.85	-67.72	2.27	86.68	-18.14	6.47	62.07	44.43
		288	734.47	12.45	-109.03	10.97	-107.55	-13.31	32.81	-240.37	-204.40	-3.16	92.37
		181	847.05	-2.03	-110.56	-2.79	-109.80	-9.06	151.33	-188.60	-179.62	142.34	54.54
		854	559.96	-4.49	-65.54	-4.55	-65.48	-1.97	207.82	31.01	31.26	207.57	6.60
609	11	865	282.21	4.18	-54.08	2.05	-51.94	-10.94	76.76	-27.35	-6.75	56.16	41.48
		288	872.26	-1.75	-90.37	-7.87	-84.26	-22.46	18.40	-305.26	-270.52	-16.35	100.19
		181	977.34	-21.96	-91.62	-28.23	-85.35	-19.94	149.65	-254.64	-245.86	140.87	58.92
		854	571.37	-26.00	-58.14	-33.29	-50.85	-13.46	213.37	17.91	17.91	213.37	0.21
610	1	848	413.29	-3.19	-67.38	-13.97	-56.60	24.00	121.03	-31.28	10.52	79.23	-67.97
		865	440.10	-7.88	-86.03	-21.87	-72.04	29.96	158.04	29.00	78.58	108.46	-62.77
		854	629.67	16.61	-82.14	7.03	-72.56	29.23	244.03	78.94	89.51	233.46	-40.42
		660	605.60	11.60	-65.12	2.56	-56.08	24.72	214.98	10.70	21.45	204.23	-45.61
610	2	848	393.11	-3.39	-60.83	-14.96	-49.25	23.04	114.38	-31.98	10.10	72.30	-66.24
		865	420.85	-8.80	-78.83	-23.42	-64.21	28.47	152.07	28.28	78.37	101.98	-60.76
		854	606.94	17.88	-74.04	8.34	-64.49	28.04	237.37	79.90	89.76	227.51	-38.15
		660	581.54	12.17	-57.98	3.16	-48.97	23.47	208.03	11.29	21.50	197.83	-43.63
610	3	848	404.51	-3.53	-63.11	-16.14	-50.50	24.34	118.59	-31.23	10.62	76.74	-67.22
		865	433.24	-9.28	-81.86	-25.07	-66.07	29.94	156.16	28.98	78.92	106.22	-62.11
		854	618.14	18.81	-76.58	8.56	-66.34	29.53	240.94	79.33	89.70	230.56	-39.60
		660	592.88	12.76	-59.95	3.04	-50.23	24.74	211.60	10.90	21.41	201.08	-44.72
610	4	848	400.74	-5.41	-44.86	-7.22	-43.05	8.26	116.89	-42.87	17.09	56.92	-77.36
		865	465.11	-5.33	-77.66	-12.92	-70.07	22.17	164.72	9.43	86.81	87.35	-77.64
		854	596.74	4.10	-77.40	-0.16	-73.14	18.14	231.20	70.22	89.70	211.73	-52.50
		660	548.87	4.05	-43.41	0.61	-39.98	12.29	196.73	4.56	19.98	181.30	-52.21
610	5	848	374.49	-5.98	-23.78	-17.59	-12.16	8.48	106.35	-47.28	14.92	44.15	-75.41
		865	439.35	-12.39	-55.74	-28.10	-40.03	20.84	156.58	8.10	87.55	77.13	-74.05
		854	569.25	12.70	-48.06	6.60	-41.96	18.26	228.54	76.88	93.34	212.08	-47.18
		660	517.44	8.91	-16.63	2.51	-10.23	11.07	192.79	7.02	20.71	179.10	-48.54
610	6	848	384.05	-5.83	-33.28	-6.23	-32.88	3.28	109.37	-48.73	13.40	47.24	-77.22
		865	441.46	-7.44	-64.93	-12.77	-59.61	16.66	158.99	9.48	86.59	81.88	-74.72
		854	589.11	6.45	-64.86	4.00	-62.41	12.97	233.19	78.29	93.95	217.54	-46.69
		660	537.73	5.21	-31.45	3.83	-30.08	6.97	196.66	7.00	20.76	182.90	-49.19
610	7	848	402.44	-3.11	-65.03	-13.93	-54.21	23.51	117.49	-31.23	10.66	75.59	-66.90

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		865	430.32	-7.88	-83.30	-21.84	-69.34	29.29	154.77	28.34	78.37	104.74	-61.82
		854	614.68	16.72	-79.28	7.25	-69.80	28.63	238.81	78.64	89.09	228.36	-39.56
		660	589.98	11.63	-62.68	2.70	-53.74	24.17	209.78	10.81	21.38	199.21	-44.63
610	8	848	316.36	-3.03	-49.86	-13.66	-39.23	19.62	93.54	-22.97	8.50	62.07	-51.73
		865	345.82	-8.22	-65.32	-21.44	-52.10	24.08	124.43	22.67	62.26	84.84	-49.61
		854	479.93	16.50	-60.52	8.20	-52.22	23.88	186.07	59.29	67.94	177.43	-31.96
		660	458.72	11.05	-46.95	3.22	-39.12	19.82	162.49	6.34	14.17	154.66	-34.08
610	9	848	288.21	-2.09	-46.35	-9.46	-38.98	16.49	83.79	-23.05	7.38	53.37	-48.21
		865	303.78	-5.18	-59.00	-14.74	-49.45	20.57	109.44	20.56	55.62	74.38	-43.44
		854	442.66	11.10	-56.42	4.50	-49.82	20.05	172.52	57.89	64.95	165.46	-27.56
		660	425.95	7.79	-44.84	1.55	-38.61	17.01	152.17	8.99	16.71	144.45	-32.33
610	10	848	283.42	-2.30	-43.95	-10.66	-35.59	16.68	82.44	-23.03	7.43	51.98	-47.80
		865	300.04	-5.99	-56.66	-16.52	-46.13	20.56	108.41	20.54	55.80	73.14	-43.07
		854	436.27	12.32	-53.33	5.35	-46.36	20.22	170.80	58.11	65.06	163.86	-27.11
		660	418.89	8.43	-41.97	1.82	-35.36	17.02	150.29	9.10	16.69	142.70	-31.83
610	11	848	271.76	-4.02	-26.94	-5.16	-25.80	4.98	77.28	-32.70	8.98	35.60	-53.36
		865	304.00	-5.05	-47.18	-9.68	-42.54	13.18	109.92	9.76	60.07	59.61	-50.08
		854	419.97	5.27	-46.64	2.82	-44.18	11.02	166.36	57.68	67.42	156.62	-31.04
		660	388.23	4.07	-25.97	2.26	-24.16	7.15	141.97	6.95	16.33	132.60	-34.32
611	1	854	519.74	27.84	-79.87	-3.73	-48.30	-49.03	127.16	-73.62	-64.69	118.23	41.39
		181	1070.07	16.67	-182.61	-7.36	-158.58	-64.90	100.97	-304.18	-280.93	77.73	94.22
		373	904.64	0.28	-190.61	-38.92	-151.41	-77.11	9.85	-309.39	-286.43	-13.11	82.48
		866	302.41	-1.94	-80.78	-27.26	-55.46	-36.81	35.69	-78.49	-70.19	27.39	29.65
611	2	854	494.90	25.87	-72.71	-2.04	-44.80	-44.41	118.51	-74.00	-65.90	110.40	38.66
		181	1046.27	15.78	-172.51	-5.57	-151.15	-59.70	92.33	-303.48	-280.58	69.43	92.41
		373	883.71	-0.33	-179.75	-35.84	-144.24	-71.49	5.46	-305.66	-283.36	-16.84	80.25
		866	282.24	-2.85	-73.50	-24.62	-51.72	-32.62	31.16	-75.71	-68.67	24.12	26.50
611	3	854	507.39	28.93	-75.31	0.40	-46.79	-46.47	124.95	-70.55	-62.03	116.43	39.91
		181	1041.35	19.41	-178.34	-2.72	-156.21	-62.34	99.27	-294.08	-271.42	76.61	91.66
		373	874.01	-0.13	-186.28	-37.23	-149.18	-74.36	9.93	-298.24	-275.99	-12.32	79.76
		866	289.79	-2.17	-76.81	-25.16	-53.82	-34.46	35.20	-74.31	-66.60	27.49	28.02
611	4	854	484.15	-3.77	-82.93	-46.69	-40.01	-39.44	112.37	-90.72	-86.29	107.94	29.65
		181	1077.12	-37.19	-188.24	-60.71	-164.72	-54.76	89.28	-329.12	-306.01	66.17	95.59
		373	924.31	1.26	-186.87	-30.78	-154.83	-70.71	10.87	-315.32	-290.55	-13.91	86.42
		866	271.55	-12.86	-64.80	-27.77	-49.90	-23.49	31.95	-74.91	-70.83	27.87	20.47
611	5	854	464.14	-3.55	-58.19	-29.82	-31.93	-27.30	99.56	-96.29	-92.17	95.44	28.11
		181	1092.41	-27.78	-171.45	-42.17	-157.07	-43.13	73.95	-345.85	-321.34	49.45	98.42
		373	930.85	-0.09	-170.89	-23.53	-147.45	-58.76	0.88	-325.85	-301.01	-23.96	86.59
		866	250.75	-13.83	-46.45	-18.74	-41.54	-11.67	24.77	-74.58	-71.84	22.03	16.27
611	6	854	486.09	-13.42	-81.34	-64.76	-30.00	-29.17	80.10	-121.91	-118.11	76.30	27.45
		181	1256.10	-60.23	-160.68	-81.86	-139.04	-41.29	47.54	-438.31	-410.50	19.72	112.88
		373	1122.43	0.65	-153.86	-23.68	-129.53	-56.28	-23.92	-414.37	-387.52	-50.77	98.82
		866	271.31	-17.05	-48.47	-26.01	-39.51	-14.18	7.55	-96.87	-95.13	5.81	13.39
611	7	854	504.34	27.01	-76.95	-3.04	-46.90	-47.13	123.47	-71.47	-63.13	115.13	39.45
		181	1039.47	16.35	-177.79	-6.59	-154.85	-62.67	98.07	-295.32	-272.77	75.53	91.44
		373	875.31	0.08	-185.48	-37.56	-147.84	-74.62	9.41	-299.24	-276.95	-12.88	79.88
		866	289.58	-2.21	-77.84	-26.13	-53.92	-35.18	34.38	-74.97	-67.31	26.72	27.89
611	8	854	389.78	21.63	-59.11	-0.65	-36.82	-36.09	97.63	-51.89	-45.07	90.80	31.22
		181	799.11	13.84	-140.79	-3.36	-123.59	-48.62	78.17	-223.57	-206.13	60.73	70.40
		373	674.06	-0.42	-146.79	-29.23	-117.98	-58.20	10.13	-228.00	-210.78	-7.09	61.68
		866	225.90	-2.35	-59.97	-19.89	-42.43	-26.52	29.37	-56.11	-49.71	22.97	22.50
611	9	854	364.54	19.61	-55.02	-2.05	-33.36	-33.88	88.13	-53.22	-47.25	82.17	28.41
		181	756.47	12.08	-125.99	-4.47	-109.44	-44.84	69.31	-217.17	-200.77	52.90	66.56
		373	636.67	0.25	-131.58	-26.82	-104.51	-53.25	4.55	-219.58	-203.51	-11.52	57.83
		866	207.83	-1.20	-55.77	-18.68	-38.29	-25.47	23.05	-55.30	-50.00	17.74	19.68
611	10	854	357.70	20.22	-52.49	0.25	-32.52	-32.46	86.90	-51.52	-45.78	81.16	27.59
		181	740.50	13.60	-123.61	-1.89	-108.12	-43.43	68.36	-211.56	-195.48	52.28	65.14
		373	619.65	0.03	-129.17	-25.88	-103.27	-51.73	4.60	-213.39	-197.71	-11.08	56.32
		866	200.83	-1.33	-53.56	-17.52	-37.37	-24.16	22.78	-52.98	-48.00	17.80	18.78
611	11	854	331.25	-5.86	-53.29	-35.96	-23.19	-22.84	61.95	-80.01	-76.93	58.87	20.67
		181	859.01	-30.97	-113.47	-45.86	-98.58	-31.73	39.62	-291.69	-272.74	20.67	76.93
		373	757.56	0.39	-111.08	-18.35	-92.35	-41.68	-14.21	-277.90	-259.67	-32.45	66.91
		866	189.51	-9.60	-37.81	-17.99	-29.42	-12.90	7.35	-65.45	-63.85	5.75	10.65
612	1	660	387.42	10.68	-44.98	8.62	-42.93	10.51	146.35	31.64	36.78	141.21	-23.73
		854	472.40	5.45	-80.09	2.79	-77.43	14.85	169.79	29.73	39.35	160.17	-35.42
		866	144.63	-0.83	-78.99	-6.56	-73.26	20.37	36.06	1.46	1.64	35.88	-2.45
		849	84.27	-5.38	-47.69	-5.97	-47.10	4.99	20.84	-4.85	-0.92	16.92	9.24
612	2	660	364.85	10.88	-40.75	8.94	-38.81	9.81	138.93	32.07	36.80	134.19	-22.00
		854	446.82	5.69	-73.89	3.21	-71.41	13.84	161.64	29.75	39.04	152.35	-33.74
		866	124.54	-1.16	-72.93	-6.67	-67.42	19.11	30.14	1.60	1.72	30.03	-1.82
		849	71.45	-5.81	-43.35	-6.36	-42.79	4.54	17.37	-6.02	-0.52	11.87	9.93
612	3	660	378.89	10.94	-43.53	8.72	-41.31	10.78	143.39	31.51	36.66	138.24	-23.44

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		854	461.03	5.79	-77.00	3.02	-74.23	14.88	166.33	30.04	39.60	156.77	-34.80
		866	139.24	-0.67	-76.08	-6.53	-70.23	20.18	35.14	2.44	2.66	34.92	-2.69
		849	79.79	-5.36	-46.07	-6.11	-45.32	5.48	20.08	-3.97	-0.28	16.39	8.67
612	4	660	341.47	18.84	-11.08	18.81	-11.05	0.92	136.63	29.84	38.80	127.66	-29.61
		854	447.78	8.87	-69.89	8.07	-69.09	7.93	162.68	26.89	41.43	148.15	-41.98
		866	102.81	-6.47	-67.37	-11.97	-61.88	17.45	22.76	0.57	2.84	20.49	-6.73
		849	37.59	-5.95	-24.27	-11.97	-18.25	-8.60	5.75	-5.53	0.21	2.83e-03	5.64
612	5	660	310.46	20.81	0.60	20.72	0.69	1.32	128.12	32.58	40.05	120.65	-25.65
		854	413.08	10.74	-54.53	9.84	-53.63	7.61	153.12	27.54	41.09	139.57	-38.96
		866	69.16	-5.85	-53.57	-12.71	-46.71	16.73	12.92	-0.71	1.61	10.60	-5.13
		849	53.12	-1.28	-18.52	-13.57	-6.23	-7.80	5.44	-13.20	0.57	-8.32	8.19
612	6	660	290.54	24.57	2.70	23.49	3.78	-4.74	121.67	36.43	41.89	116.22	-20.87
		854	401.38	11.40	-55.47	11.34	-55.41	2.02	147.84	24.04	36.47	135.41	-37.21
		866	54.39	-10.67	-51.72	-14.57	-47.82	12.04	-6.98	-11.00	-7.01	-10.97	-0.35
		849	121.88	6.12	-25.74	-15.81	-3.81	-14.76	5.56	-37.31	-1.59	-30.16	15.99
612	7	660	375.61	10.50	-43.63	8.48	-41.62	10.24	142.11	31.36	36.50	136.96	-23.31
		854	458.18	5.39	-77.54	2.80	-74.95	14.42	165.11	29.86	39.44	155.53	-34.71
		866	137.27	-0.87	-76.49	-6.45	-70.91	19.77	34.20	2.24	2.44	34.00	-2.52
		849	78.71	-5.34	-46.25	-5.94	-45.65	4.90	19.40	-4.46	-0.50	15.44	8.88
612	8	660	296.11	9.31	-34.07	7.67	-32.43	8.29	111.52	23.29	27.30	107.50	-18.38
		854	358.74	5.00	-60.39	2.93	-58.32	11.44	128.64	21.76	28.94	121.46	-26.75
		866	115.81	-1.17	-59.67	-5.73	-55.12	15.67	30.00	1.75	2.00	29.76	-2.62
		849	67.29	-5.12	-36.17	-5.66	-35.63	4.06	17.70	-1.54	0.37	15.80	5.75
612	9	660	268.82	7.17	-31.08	5.71	-29.62	7.33	102.06	23.29	26.86	98.49	-16.38
		854	328.98	3.64	-55.31	1.76	-53.43	10.35	118.98	22.29	29.18	112.08	-24.88
		866	93.22	-0.34	-54.55	-4.32	-50.57	14.14	22.65	1.49	1.56	22.58	-1.22
		849	54.10	-3.41	-32.91	-3.84	-32.48	3.54	12.87	-4.64	-0.75	8.98	7.28
612	10	660	264.09	7.32	-30.27	5.77	-28.72	7.48	100.41	23.22	26.79	96.84	-16.22
		854	322.69	3.83	-53.59	1.89	-51.65	10.37	117.05	22.46	29.32	110.19	-24.53
		866	90.23	-0.26	-52.93	-4.31	-48.88	14.03	22.13	2.04	2.13	22.04	-1.35
		849	51.52	-3.40	-32.01	-3.92	-31.49	3.81	12.46	-4.17	-0.40	8.69	6.96
612	11	660	213.18	14.05	-3.74	13.97	-3.67	-1.14	88.34	25.97	29.70	84.60	-14.79
		854	289.53	6.73	-41.41	6.52	-41.19	3.22	106.78	19.13	27.58	98.33	-25.87
		866	31.02	-5.82	-39.39	-8.77	-36.43	9.51	-3.23	-3.46	-3.24	-3.45	-0.05
		849	72.76	-1.43	-16.31	-9.30	-8.43	-7.43	4.49	-22.79	-1.12	-17.17	11.03
613	1	866	516.31	34.97	-76.72	-1.88	-39.87	-52.52	153.56	-27.80	33.29	92.48	85.72
		373	1346.62	23.78	-51.01	-13.50	-13.73	-37.40	35.17	-478.62	-421.41	-22.03	161.61
		197	1521.76	19.62	-77.80	-49.22	-8.96	-44.36	210.13	-430.87	-417.61	196.87	91.23
		855	807.99	-8.20	-101.58	-65.15	-44.64	-45.55	312.23	36.23	37.09	311.38	15.33
613	2	866	495.88	32.49	-71.67	-0.54	-38.65	-48.47	148.01	-26.97	32.20	88.84	82.78
		373	1319.29	20.96	-47.78	-12.10	-14.73	-34.35	31.21	-470.93	-414.51	-25.20	158.58
		197	1490.48	16.24	-73.68	-47.26	-10.18	-40.96	206.82	-421.39	-408.62	194.06	88.63
		855	795.84	-10.00	-95.98	-62.79	-43.20	-41.86	308.71	37.48	38.09	308.10	12.83
613	3	866	501.23	34.20	-75.13	-1.19	-39.74	-51.16	150.26	-24.83	34.25	91.18	82.79
		373	1301.82	22.85	-49.83	-12.75	-14.23	-36.33	34.29	-462.31	-406.76	-21.26	156.53
		197	1470.64	18.46	-76.16	-48.17	-9.53	-43.18	204.71	-415.11	-402.53	192.13	87.38
		855	787.74	-8.82	-99.55	-63.94	-44.44	-44.30	305.27	37.78	38.48	304.58	13.64
613	4	866	445.88	32.97	-57.73	14.89	-39.65	-36.23	136.56	-21.48	29.43	85.64	73.85
		373	1370.03	12.13	-40.80	-3.52	-25.15	-24.16	27.89	-491.57	-428.56	-35.12	169.59
		197	1512.09	-2.05	-73.61	-55.58	-20.08	-31.07	221.16	-417.78	-402.19	205.56	98.59
		855	819.91	-27.32	-94.13	-76.72	-44.72	-29.32	326.36	55.78	55.81	326.33	2.85
613	5	866	432.40	31.71	-49.44	19.61	-37.34	-28.91	133.40	-22.99	27.87	82.54	73.26
		373	1385.93	9.86	-37.17	0.48	-27.78	-18.80	21.44	-501.40	-436.97	-42.99	171.86
		197	1527.35	-8.67	-67.04	-52.69	-23.03	-25.13	223.31	-422.54	-407.30	208.08	98.02
		855	835.36	-30.36	-85.54	-73.81	-42.10	-22.58	333.61	57.54	57.54	333.61	-0.58
613	6	866	461.50	27.06	-40.26	19.99	-33.19	-20.63	133.46	-44.59	12.73	76.13	83.19
		373	1671.19	4.46	-33.86	-0.27	-29.13	-12.60	8.09	-617.14	-540.89	-68.16	204.59
		197	1850.44	-16.09	-64.11	-55.54	-24.65	-18.38	259.62	-520.48	-501.36	240.50	120.62
		855	970.14	-32.69	-81.97	-76.99	-37.67	-14.86	384.80	52.27	52.27	384.79	-0.78
613	7	866	499.85	33.79	-74.81	-1.53	-39.49	-50.88	149.45	-25.50	33.57	90.38	82.74
		373	1304.39	22.63	-49.65	-12.95	-14.07	-36.14	33.79	-463.67	-408.03	-21.85	156.79
		197	1473.84	18.37	-75.78	-48.00	-9.41	-42.94	204.89	-416.24	-403.56	192.21	87.84
		855	787.75	-8.75	-99.02	-63.61	-44.15	-44.07	305.16	37.33	38.05	304.44	13.79
613	8	866	390.05	26.20	-59.02	-0.46	-32.36	-39.51	118.44	-16.82	28.59	73.04	63.87
		373	1004.57	16.54	-38.46	-10.09	-11.83	-27.49	28.51	-355.67	-312.29	-14.87	121.59
		197	1132.56	12.91	-60.37	-39.48	-7.99	-33.09	158.95	-318.20	-308.43	149.18	67.58
		855	610.72	-9.46	-79.23	-52.50	-36.20	-33.92	237.56	31.97	32.45	237.08	9.86
613	9	866	360.23	24.35	-53.07	-1.38	-27.34	-36.47	106.72	-20.24	22.90	63.58	60.13
		373	949.56	16.78	-35.68	-9.25	-9.64	-26.23	22.91	-338.54	-298.33	-17.30	113.65
		197	1074.89	13.84	-53.70	-33.44	-6.42	-30.95	148.45	-304.58	-295.37	139.24	63.94
		855	570.93	-4.92	-69.88	-44.23	-30.56	-31.75	220.67	25.31	25.86	220.12	10.42
613	10	866	351.84	23.92	-52.18	-0.99	-27.27	-35.71	104.89	-18.59	23.44	62.86	58.51

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		373	924.66	16.27	-35.02	-8.83	-9.92	-25.64	22.42	-329.49	-290.20	-16.87	110.83
		197	1046.49	13.19	-52.79	-32.86	-6.73	-30.29	145.44	-295.83	-286.99	136.60	61.80
		855	559.68	-5.27	-68.75	-43.56	-30.45	-31.06	216.81	26.17	26.64	216.34	9.48
613	11	866	329.43	19.02	-31.88	10.77	-23.63	-18.76	95.54	-29.55	11.48	54.50	58.73
		373	1129.83	4.84	-24.94	-1.90	-18.20	-12.46	7.85	-415.48	-364.71	-42.92	137.53
		197	1257.20	-6.25	-45.84	-36.96	-15.13	-16.51	175.92	-354.34	-341.90	163.48	80.27
		855	660.29	-19.74	-57.76	-50.81	-26.70	-14.70	260.91	34.29	34.30	260.90	1.47
614	1	849	425.27	-11.37	-30.00	-12.60	-28.77	4.63	134.66	-33.80	5.13	95.73	-71.01
		866	357.93	-20.18	-66.69	-27.23	-59.64	16.69	134.37	38.41	68.40	104.39	-44.48
		855	686.80	29.26	-63.31	26.77	-60.83	14.96	274.76	97.09	107.64	264.20	-42.00
		661	729.26	19.65	-28.43	18.79	-27.58	6.36	275.84	24.09	44.38	255.55	-68.53
614	2	849	413.83	-11.14	-28.14	-12.69	-26.59	4.89	130.60	-33.77	5.46	91.38	-70.07
		866	350.72	-19.81	-63.44	-27.09	-56.15	16.27	132.12	37.55	69.16	100.51	-44.61
		855	671.53	29.00	-59.72	26.48	-57.20	14.74	269.48	96.31	106.96	258.83	-41.59
		661	712.14	19.34	-26.47	18.42	-25.55	6.41	269.56	23.39	43.26	249.70	-67.05
614	3	849	414.95	-10.93	-29.56	-12.12	-28.37	4.55	131.43	-32.82	5.57	93.05	-69.51
		866	353.76	-19.54	-65.74	-26.45	-58.83	16.48	132.89	37.97	68.53	102.33	-44.35
		855	668.99	28.79	-62.48	26.34	-60.03	14.74	267.59	95.26	105.77	257.08	-41.23
		661	707.62	19.42	-28.02	18.57	-27.17	6.29	267.42	23.18	42.80	247.80	-66.38
614	4	849	414.11	-5.86	-36.15	-29.70	-12.31	12.40	129.95	-35.27	7.73	86.94	-72.50
		866	377.91	-27.01	-71.05	-53.37	-44.69	21.59	139.17	29.72	72.89	96.00	-53.49
		855	666.78	48.26	-49.29	42.74	-43.78	22.53	266.69	87.07	101.38	252.38	-48.64
		661	701.87	28.72	-16.35	25.59	-13.22	11.45	263.46	16.08	36.23	243.32	-67.65
614	5	849	413.06	-2.69	-36.25	-29.48	-9.46	13.47	128.48	-36.64	8.03	83.80	-73.35
		866	381.51	-23.54	-67.57	-52.70	-38.40	20.82	141.23	29.23	76.42	94.04	-55.30
		855	666.65	48.80	-42.87	42.98	-37.05	22.35	268.70	89.01	103.81	253.90	-49.40
		661	701.83	29.05	-14.39	25.48	-10.81	11.94	263.60	15.48	35.42	243.66	-67.45
614	6	849	456.09	3.52	-42.43	-35.39	-3.51	16.55	138.83	-45.15	6.71	86.97	-82.77
		866	398.80	-18.65	-71.21	-60.98	-28.88	20.81	147.49	27.82	81.77	93.54	-59.54
		855	752.12	54.72	-33.37	47.68	-26.33	23.89	306.84	100.27	117.26	289.85	-56.77
		661	813.67	31.63	-10.88	26.82	-6.06	13.47	307.40	18.08	42.21	283.27	-80.00
614	7	849	413.85	-11.17	-29.06	-12.39	-27.83	4.51	130.98	-33.05	5.45	92.47	-69.52
		866	351.41	-19.76	-65.40	-26.79	-58.37	16.47	131.98	37.71	68.15	101.55	-44.08
		855	668.99	28.73	-62.03	26.28	-59.57	14.73	267.72	95.37	105.82	257.27	-41.14
		661	708.30	19.31	-27.49	18.46	-26.64	6.25	267.92	23.40	43.13	248.20	-66.58
614	8	849	323.60	-9.08	-23.60	-10.41	-22.27	4.20	103.13	-24.30	4.48	74.35	-53.28
		866	283.47	-16.36	-52.63	-22.39	-46.59	13.51	106.22	29.57	53.88	81.91	-35.67
		855	516.97	24.39	-49.52	22.29	-47.41	12.29	205.88	71.53	80.02	197.38	-32.69
		661	543.89	16.30	-22.22	15.52	-21.45	5.41	204.39	16.06	30.62	189.83	-50.30
614	9	849	298.16	-7.69	-20.57	-8.42	-19.84	2.97	93.97	-24.60	3.77	65.60	-50.58
		866	247.66	-13.60	-45.85	-18.30	-41.15	11.38	93.27	27.23	48.78	71.72	-30.96
		855	485.30	19.61	-43.69	17.95	-42.03	10.11	194.87	70.43	77.79	187.51	-29.35
		661	516.54	13.23	-19.52	12.67	-18.96	4.23	196.08	18.09	32.78	181.39	-48.97
614	10	849	292.44	-7.45	-20.32	-8.15	-19.62	2.92	92.18	-24.06	4.01	64.11	-49.75
		866	245.38	-13.25	-45.33	-17.87	-40.70	11.26	92.46	26.97	48.86	70.58	-30.89
		855	475.41	19.35	-43.23	17.71	-41.59	9.99	190.89	69.42	76.75	183.56	-28.93
		661	504.51	13.10	-19.29	12.55	-18.74	4.19	191.40	17.59	31.90	177.09	-47.78
614	11	849	315.24	-1.19	-25.70	-21.08	-5.81	9.59	96.32	-30.94	4.65	60.73	-57.12
		866	269.54	-15.42	-45.70	-37.05	-24.07	13.67	100.57	21.33	56.21	65.69	-39.33
		855	521.13	33.59	-26.89	29.57	-22.87	15.08	212.65	72.25	83.14	201.76	-37.56
		661	563.34	19.64	-9.52	17.13	-7.01	8.18	213.62	14.75	31.57	196.79	-55.35
615	1	661	448.96	30.80	-7.17	28.86	-5.22	-8.36	184.60	49.21	50.36	183.45	-12.40
		855	544.76	16.15	-36.94	15.12	-35.92	-7.30	217.42	53.65	62.27	208.80	-36.57
		857	60.49	-13.76	-30.58	-13.76	-30.58	-0.29	8.75	-13.47	2.75	-7.48	-9.86
		663	113.30	0.02	-32.93	-22.35	-10.56	-15.38	-2.42	-39.56	-9.16	-32.82	14.32
615	2	661	437.46	29.43	-7.16	27.62	-5.36	-7.93	180.03	48.57	49.72	178.87	-12.28
		855	530.63	15.63	-34.49	14.60	-33.47	-7.10	212.39	52.90	61.63	203.66	-36.28
		857	60.84	-13.05	-28.51	-13.07	-28.49	-0.56	9.04	-13.61	2.94	-7.51	-10.05
		663	110.41	-0.38	-31.35	-21.39	-10.34	-14.47	-2.44	-38.82	-8.96	-32.30	13.95
615	3	661	433.80	30.06	-7.50	28.15	-5.59	-8.25	178.35	47.96	49.10	177.21	-12.16
		855	526.49	15.88	-35.76	14.81	-34.69	-7.35	210.37	52.44	60.95	201.86	-35.66
		857	59.58	-13.44	-29.59	-13.46	-29.56	-0.61	9.02	-12.95	3.20	-7.13	-9.69
		663	109.58	-0.32	-32.33	-21.93	-10.71	-14.99	-2.20	-38.22	-8.64	-31.78	13.80
615	4	661	445.91	35.92	-4.95	34.72	-3.74	-6.92	181.81	44.38	45.92	180.27	-14.48
		855	548.57	20.29	-33.83	19.48	-33.01	-6.59	218.28	51.25	58.96	210.56	-35.06
		857	41.77	-13.98	-27.52	-14.01	-27.49	0.65	8.59	-6.73	5.72	-3.86	-5.98
		663	118.18	-0.79	-32.91	-24.43	-9.27	-14.16	-0.91	-40.57	-7.32	-34.16	14.60
615	5	661	444.29	33.66	-5.56	32.60	-4.50	-6.36	181.37	45.05	46.60	179.81	-14.49
		855	544.81	19.47	-29.74	18.60	-28.86	-6.51	217.91	51.16	59.27	209.80	-35.86
		857	43.97	-12.94	-24.00	-12.94	-23.99	-0.15	8.59	-7.99	5.08	-4.48	-6.78
		663	116.99	-1.75	-30.61	-22.99	-9.36	-12.72	-1.18	-40.87	-7.58	-34.47	14.60
615	6	661	525.55	34.72	-3.28	33.90	-2.46	-5.53	215.25	52.60	54.32	213.53	-16.62

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		855	643.37	20.09	-29.19	19.47	-28.57	-5.50	257.66	57.76	67.53	247.89	-43.08
		857	53.43	-12.58	-23.60	-12.71	-23.47	1.17	7.38	-13.19	1.91	-7.73	-9.09
		663	137.89	-0.81	-29.61	-22.87	-7.56	-12.20	-3.48	-49.90	-11.29	-42.09	17.37
615	7	661	434.80	30.02	-7.22	28.14	-5.34	-8.15	178.84	48.08	49.23	177.69	-12.18
		855	527.79	15.84	-35.66	14.81	-34.63	-7.22	210.93	52.63	61.17	202.39	-35.75
		857	59.63	-13.38	-29.50	-13.40	-29.49	-0.46	9.04	-13.00	3.22	-7.18	-9.72
		663	109.88	-0.20	-32.11	-21.83	-10.48	-14.91	-2.25	-38.35	-8.72	-31.88	13.85
615	8	661	333.88	24.19	-6.57	22.70	-5.08	-6.62	136.68	35.85	36.71	135.82	-9.27
		855	404.86	13.03	-27.87	12.09	-26.93	-6.13	161.24	39.00	45.09	155.15	-26.60
		857	42.14	-10.70	-23.03	-10.77	-22.96	-0.92	6.15	-8.89	2.18	-4.92	-6.63
		663	84.60	-0.79	-25.99	-17.74	-9.04	-11.83	-1.24	-29.22	-6.21	-24.25	10.69
615	9	661	317.17	21.10	-4.72	19.76	-3.38	-5.73	130.80	35.63	36.47	129.96	-8.90
		855	385.07	10.98	-25.59	10.31	-24.92	-4.93	154.21	39.12	45.58	147.75	-26.50
		857	45.40	-9.45	-21.21	-9.45	-21.21	-0.05	6.97	-10.09	2.46	-5.58	-7.53
		663	79.96	0.19	-22.55	-15.28	-7.09	-10.61	-1.92	-28.10	-6.65	-23.36	10.08
615	10	661	308.76	20.69	-4.91	19.37	-3.58	-5.67	127.33	34.93	35.77	126.49	-8.77
		855	374.94	10.83	-24.93	10.13	-24.23	-4.95	150.30	38.44	44.84	143.89	-25.99
		857	44.92	-9.27	-20.65	-9.28	-20.64	-0.23	7.13	-9.80	2.71	-5.38	-7.43
		663	77.89	-8.86e-04	-22.22	-15.05	-7.17	-10.39	-1.80	-27.35	-6.36	-22.78	9.79
615	11	661	359.67	23.25	-2.53	22.56	-1.84	-4.16	147.83	37.51	38.67	146.67	-11.25
		855	439.76	13.18	-21.29	12.72	-20.83	-3.93	176.55	41.42	48.50	169.47	-30.12
		857	41.45	-8.79	-17.33	-8.86	-17.26	0.76	6.22	-9.94	2.00	-5.71	-7.10
		663	93.62	-0.30	-20.68	-15.57	-5.42	-8.84	-2.51	-33.84	-7.84	-28.51	11.77
616	1	855	469.91	-4.15	-70.84	-56.83	-18.16	-27.17	115.62	-82.56	-76.72	109.78	33.51
		197	1403.19	40.31	-53.06	-47.80	35.04	-21.54	68.58	-474.07	-464.01	58.51	73.21
		402	1416.36	32.34	-74.42	-72.50	30.42	-14.19	-6.08	-513.71	-507.90	-11.89	54.01
		857	425.57	2.75	-86.69	-70.40	-13.54	-34.52	40.64	-121.88	-120.61	39.38	14.31
616	2	855	460.53	-3.47	-67.12	-54.11	-16.48	-25.66	113.07	-80.92	-75.53	107.69	31.86
		197	1367.67	36.52	-51.08	-45.92	31.37	-20.62	67.68	-462.08	-452.35	57.96	71.11
		402	1378.24	29.20	-70.47	-68.47	27.20	-13.99	-5.19	-500.34	-494.69	-10.84	52.58
		857	415.46	2.74	-81.56	-66.51	-12.31	-32.29	40.02	-119.00	-117.87	38.89	13.33
616	3	855	453.91	-3.61	-69.18	-55.66	-17.14	-26.53	112.39	-78.63	-73.24	107.00	31.64
		197	1350.87	38.10	-52.27	-46.92	32.76	-21.32	67.15	-455.66	-446.12	57.61	69.98
		402	1363.46	30.41	-73.38	-71.35	28.38	-14.37	-5.46	-494.09	-488.62	-10.93	51.39
		857	410.49	2.82	-84.70	-69.12	-12.76	-33.48	39.56	-116.84	-115.74	38.46	13.05
616	4	855	446.65	-3.76	-70.26	-58.01	-16.02	-25.78	118.45	-68.30	-62.00	112.15	33.72
		197	1366.78	33.95	-58.05	-53.38	29.28	-20.19	69.24	-459.31	-449.17	59.11	72.50
		402	1369.44	28.31	-62.15	-59.74	25.89	-14.58	-10.64	-502.06	-496.72	-15.97	50.91
		857	386.64	2.80	-76.51	-61.08	-12.63	-31.39	38.07	-110.56	-109.56	37.07	12.13
616	5	855	451.63	-2.36	-64.50	-53.93	-12.92	-23.34	117.42	-71.29	-65.44	111.57	32.71
		197	1370.32	27.24	-55.21	-50.64	22.67	-18.86	69.92	-461.74	-451.53	59.71	72.94
		402	1369.00	22.82	-56.71	-53.96	20.07	-14.53	-8.95	-503.21	-497.60	-14.56	52.37
		857	389.66	2.84	-68.54	-55.38	-10.32	-27.68	38.28	-112.49	-111.51	37.29	12.15
616	6	855	550.71	-3.75	-63.71	-53.61	-13.85	-22.44	134.32	-98.14	-90.62	126.81	41.12
		197	1678.03	28.65	-55.58	-51.98	25.04	-17.04	79.06	-571.69	-558.52	65.89	91.63
		402	1670.26	24.83	-48.46	-46.18	22.55	-12.72	-10.07	-618.36	-610.43	-18.00	68.99
		857	478.89	2.39	-63.49	-49.75	-11.35	-26.76	44.75	-144.35	-142.53	42.92	18.47
616	7	855	455.19	-3.72	-68.87	-55.36	-17.24	-26.41	112.68	-78.98	-73.55	107.25	31.81
		197	1354.55	38.22	-51.97	-46.71	32.96	-21.13	67.19	-457.03	-447.44	57.60	70.26
		402	1366.63	30.56	-72.64	-70.65	28.58	-14.17	-5.58	-495.47	-489.98	-11.07	51.56
		857	411.22	2.77	-84.16	-68.54	-12.85	-33.37	39.68	-117.20	-116.09	38.58	13.11
616	8	855	344.39	-2.87	-55.12	-44.95	-13.05	-20.69	85.83	-58.66	-54.27	81.44	24.79
		197	1038.38	29.44	-42.69	-38.66	25.41	-16.56	51.14	-349.90	-342.53	43.76	53.88
		402	1049.35	23.73	-56.98	-55.36	22.12	-11.30	-4.92	-380.50	-376.27	-9.15	39.63
		857	311.98	2.21	-66.06	-54.09	-9.75	-25.95	29.47	-88.95	-88.01	28.52	10.54
616	9	855	334.77	-2.69	-48.74	-38.84	-12.60	-18.92	82.48	-58.80	-54.95	78.63	23.01
		197	989.65	27.69	-36.18	-32.37	23.88	-15.13	49.25	-334.24	-327.25	42.26	51.32
		402	997.60	22.04	-52.03	-50.64	20.66	-10.03	-3.67	-361.71	-357.69	-7.68	37.70
		857	302.06	1.96	-60.25	-48.92	-9.38	-24.01	29.46	-86.16	-85.40	28.69	9.39
616	10	855	325.91	-2.40	-47.82	-38.19	-12.03	-18.56	80.69	-56.63	-53.02	77.08	21.97
		197	960.59	26.47	-35.74	-31.89	22.61	-15.01	48.46	-324.01	-317.31	41.76	49.52
		402	968.22	20.97	-51.45	-50.01	19.52	-10.13	-3.32	-350.80	-346.98	-7.14	36.24
		857	293.71	2.00	-59.15	-48.21	-8.94	-23.44	28.86	-83.37	-82.69	28.18	8.69
616	11	855	379.51	-2.52	-44.74	-37.05	-10.20	-16.29	92.85	-67.44	-62.67	88.09	27.23
		197	1142.27	21.18	-37.55	-34.69	18.32	-12.63	55.07	-388.47	-379.75	46.35	61.55
		402	1138.59	17.86	-37.60	-36.02	16.29	-9.21	-5.89	-419.83	-414.65	-11.07	46.02
		857	331.49	1.75	-47.35	-37.44	-8.16	-19.71	31.72	-98.63	-97.57	30.66	11.70
617	1	411	1155.73	16.21	-122.93	-106.80	0.09	-44.53	44.07	-378.78	-370.64	35.94	-58.09
		696	557.05	-9.11	-127.09	-106.80	-29.40	-44.52	17.42	-171.00	-162.81	9.24	-38.40
		677	537.08	40.79	-57.63	12.56	-29.40	-44.52	25.46	-178.78	-148.12	-5.20	-72.94
		330	1082.66	51.29	-38.64	12.56	0.09	-44.53	43.01	-377.46	-355.95	21.50	-92.63
617	2	411	1127.93	14.48	-118.87	-103.08	-1.31	-43.09	43.49	-369.89	-361.85	35.45	-57.08

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		696	547.02	-8.60	-122.71	-103.08	-28.24	-43.07	17.47	-168.11	-159.76	9.12	-38.46
		677	529.64	40.25	-55.33	13.15	-28.24	-43.07	25.25	-176.49	-145.96	-5.28	-72.30
		330	1058.15	49.61	-37.77	13.15	-1.31	-43.09	42.23	-369.23	-348.05	21.05	-90.91
617	3	411	1121.59	15.27	-120.17	-104.29	-0.62	-43.58	43.10	-367.27	-359.26	35.09	-56.77
		696	544.54	-8.80	-124.16	-104.29	-28.68	-43.57	17.49	-166.84	-158.52	9.17	-38.27
		677	526.27	40.23	-56.23	12.69	-28.68	-43.57	25.10	-175.10	-144.82	-5.18	-71.73
		330	1051.16	50.12	-38.06	12.69	-0.62	-43.58	41.77	-366.58	-345.56	20.75	-90.23
617	4	411	1101.57	15.01	-124.40	-108.31	-1.08	-44.54	42.53	-358.98	-350.81	34.37	-56.68
		696	520.94	-8.48	-128.17	-108.31	-28.35	-44.53	15.37	-158.10	-150.69	7.96	-35.07
		677	499.88	40.05	-57.34	11.05	-28.35	-44.53	26.29	-163.53	-134.00	-3.24	-68.80
		330	1028.78	49.94	-39.97	11.05	-1.08	-44.54	44.74	-355.69	-334.11	23.17	-90.41
617	5	411	1128.99	8.74	-114.67	-98.84	-7.10	-41.27	43.23	-372.44	-364.26	35.05	-57.73
		696	538.92	-7.06	-117.39	-98.84	-25.60	-41.26	16.49	-166.59	-158.38	8.27	-37.90
		677	523.39	41.17	-51.09	15.68	-25.60	-41.26	26.16	-174.26	-143.39	-4.71	-72.34
		330	1060.66	47.11	-38.52	15.68	-7.10	-41.27	43.68	-370.90	-349.28	22.06	-92.17
617	6	411	1394.78	9.29	-122.89	-105.58	-8.02	-44.60	48.97	-467.47	-458.23	39.73	-68.45
		696	646.65	-8.09	-125.97	-105.58	-28.48	-44.59	18.07	-204.71	-196.12	9.48	-42.89
		677	622.30	47.27	-54.73	21.02	-28.48	-44.59	27.76	-211.39	-176.75	-6.87	-84.16
		330	1310.66	53.40	-40.41	21.02	-8.02	-44.60	48.10	-463.59	-438.86	23.38	-109.73
617	7	411	1120.14	15.99	-121.29	-105.41	0.12	-43.90	43.30	-366.20	-358.17	35.27	-56.76
		696	542.41	-8.94	-125.38	-105.41	-28.90	-43.89	17.20	-165.94	-157.78	9.04	-37.78
		677	523.75	39.96	-56.87	11.99	-28.90	-43.89	25.27	-173.82	-143.63	-4.92	-71.41
		330	1049.36	50.36	-38.25	11.99	0.12	-43.90	42.45	-365.16	-344.02	21.30	-90.39
617	8	411	864.27	12.92	-92.15	-80.26	1.04	-33.28	33.05	-283.00	-277.06	27.11	-42.94
		696	418.15	-7.06	-95.38	-80.26	-22.18	-33.27	13.21	-128.32	-122.28	7.16	-28.62
		677	402.57	30.60	-43.15	9.63	-22.18	-33.27	18.76	-134.35	-111.67	-3.92	-54.39
		330	809.19	38.89	-28.22	9.63	1.04	-33.28	31.84	-282.27	-266.45	16.02	-68.70
617	9	411	813.80	10.39	-86.96	-75.33	-1.25	-31.58	31.55	-266.50	-260.54	25.59	-41.72
		696	394.86	-6.18	-89.73	-75.33	-20.59	-31.56	12.67	-121.01	-114.84	6.50	-28.06
		677	382.75	29.19	-40.61	9.18	-20.59	-31.56	18.65	-127.04	-104.67	-3.73	-52.53
		330	763.47	35.97	-28.04	9.18	-1.25	-31.58	30.94	-265.94	-250.37	15.37	-66.19
617	10	411	794.84	9.86	-85.43	-73.93	-1.64	-31.05	31.01	-260.11	-254.22	25.12	-40.98
		696	387.93	-6.01	-88.11	-73.93	-20.20	-31.04	12.71	-118.71	-112.45	6.46	-27.99
		677	376.75	28.88	-39.82	9.25	-20.20	-31.04	18.45	-125.00	-102.83	-3.72	-51.85
		330	745.97	35.32	-27.72	9.25	-1.64	-31.05	30.25	-259.90	-244.60	14.95	-64.85
617	11	411	946.54	6.55	-86.95	-74.64	-5.75	-31.61	34.26	-315.76	-309.20	27.70	-47.48
		696	444.52	-5.61	-89.11	-74.64	-20.08	-31.60	13.01	-139.72	-133.34	6.63	-30.55
		677	430.02	32.77	-38.98	13.88	-20.08	-31.60	19.92	-145.15	-120.57	-4.66	-58.76
		330	890.03	37.16	-29.04	13.88	-5.75	-31.61	33.76	-313.78	-296.43	16.41	-75.68
618	1	330	1326.11	25.41	-85.94	16.16	-76.69	-30.74	50.43	-466.62	-405.13	-11.05	-167.36
		677	638.33	25.22	-78.74	13.85	-67.37	-32.44	145.01	-124.70	-49.84	70.16	-120.77
		784	791.90	50.80	-75.52	42.23	-66.95	-31.76	268.76	-28.31	-2.36	242.81	-83.88
		486	1409.62	47.62	-85.02	39.71	-77.11	-31.42	192.54	-388.59	-357.65	161.60	-130.47
618	2	330	1303.58	24.64	-83.53	16.45	-75.35	-28.61	49.77	-458.06	-397.75	-10.55	-164.29
		677	629.38	24.65	-75.36	14.31	-65.01	-30.46	143.62	-122.76	-47.89	68.76	-119.74
		784	777.57	48.71	-72.40	40.91	-64.60	-29.74	263.07	-29.66	-3.23	236.64	-83.90
		486	1387.12	45.61	-82.85	38.53	-75.76	-29.33	187.84	-383.58	-353.08	157.34	-128.45
618	3	330	1293.45	24.94	-84.62	16.13	-75.82	-29.78	49.67	-454.58	-394.81	-10.09	-162.99
		677	625.90	24.78	-77.24	13.89	-66.35	-31.50	142.78	-121.70	-47.50	68.58	-118.82
		784	776.47	49.74	-74.15	41.52	-65.93	-30.82	262.71	-29.17	-3.07	236.62	-83.29
		486	1380.15	46.62	-83.79	39.06	-76.23	-30.47	188.11	-380.55	-350.38	157.94	-127.45
618	4	330	1260.90	24.21	-83.79	15.13	-74.72	-29.96	49.15	-443.58	-380.31	-14.13	-164.84
		677	587.37	24.69	-74.13	12.79	-62.23	-32.16	137.05	-109.88	-41.00	68.17	-110.74
		784	748.81	50.72	-70.48	42.00	-61.76	-31.32	267.28	-2.15	18.66	246.47	-71.92
		486	1320.39	47.13	-82.94	39.37	-75.18	-30.80	194.97	-351.45	-320.65	164.17	-126.02
618	5	330	1332.05	23.25	-80.59	18.33	-75.67	-22.06	48.69	-467.71	-403.77	-15.25	-170.09
		677	607.24	24.90	-63.98	17.04	-56.12	-25.24	142.40	-115.77	-41.42	68.04	-116.91
		784	765.53	40.68	-61.76	34.62	-55.71	-24.16	270.68	-10.56	13.99	246.14	-79.38
		486	1394.07	37.60	-80.80	32.89	-76.09	-23.14	195.17	-380.70	-348.37	162.84	-132.56
618	6	330	1649.07	26.65	-89.57	22.69	-85.60	-21.09	51.87	-582.99	-507.11	-24.00	-205.94
		677	709.75	29.93	-66.26	22.80	-59.14	-25.19	164.22	-139.65	-53.98	78.56	-136.72
		784	900.89	30.90	-65.19	24.53	-58.82	-23.90	321.84	-10.22	17.36	294.26	-91.64
		486	1701.50	28.43	-90.30	24.05	-85.92	-22.38	230.54	-474.61	-435.77	191.70	-160.86
618	7	330	1284.89	24.99	-84.47	15.65	-75.13	-30.58	49.88	-451.66	-391.63	-10.16	-162.81
		677	624.42	24.59	-77.92	13.23	-66.56	-32.18	142.23	-121.35	-47.84	68.72	-118.20
		784	772.77	51.28	-74.59	42.82	-66.13	-31.52	261.90	-27.90	-2.35	236.36	-82.16
		486	1368.22	48.10	-83.45	40.21	-75.56	-31.23	187.59	-376.25	-346.14	157.48	-126.76
618	8	330	986.61	19.41	-63.81	12.33	-56.74	-23.21	37.68	-347.00	-302.14	-7.18	-123.47
		677	482.35	18.66	-59.99	10.31	-51.64	-24.23	109.00	-95.13	-39.07	52.94	-91.11
		784	596.30	40.90	-57.44	34.76	-51.31	-23.78	198.78	-26.40	-6.73	179.11	-63.57
		486	1054.50	38.49	-62.92	32.63	-57.07	-23.66	141.38	-292.18	-269.80	118.99	-95.93
618	9	330	942.68	17.81	-61.36	11.66	-55.21	-21.19	36.37	-331.20	-286.83	-8.00	-119.76

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		677	453.71	18.04	-54.94	10.19	-47.10	-22.61	104.09	-87.52	-33.15	49.73	-86.38
		784	561.46	34.46	-52.79	28.47	-46.80	-22.07	192.02	-18.23	0.77	173.01	-60.29
		486	1001.21	32.20	-60.89	26.82	-55.50	-21.73	137.74	-275.36	-252.91	115.29	-93.66
618	10	330	924.54	17.55	-60.63	11.65	-54.72	-20.66	35.95	-324.51	-281.09	-7.47	-117.33
		677	446.84	17.80	-54.11	10.22	-46.53	-22.09	102.86	-85.86	-31.85	48.85	-85.30
		784	552.90	33.87	-52.03	28.07	-46.24	-21.55	188.66	-18.72	0.38	169.57	-59.96
		486	984.84	31.64	-60.20	26.46	-55.02	-21.20	135.28	-270.89	-248.87	113.25	-91.99
618	11	330	1122.11	18.47	-63.35	15.29	-60.16	-15.83	37.17	-395.85	-343.48	-15.19	-141.19
		677	493.39	20.63	-47.99	15.17	-42.52	-18.58	114.77	-95.83	-35.45	54.39	-95.24
		784	622.12	23.40	-47.06	18.63	-42.28	-17.70	221.49	-8.16	11.73	201.60	-64.60
		486	1163.41	21.53	-63.80	18.12	-60.40	-16.70	158.86	-323.15	-296.31	132.01	-110.55
619	1	486	1191.44	32.24	-162.90	30.58	-161.24	-17.92	92.70	-361.75	-349.59	80.55	-73.33
		784	531.57	38.20	-59.25	31.82	-52.87	-24.11	134.12	-75.66	-71.12	129.57	-30.55
		678	309.95	39.64	-63.15	30.54	-54.06	-29.19	64.93	-50.70	-48.72	62.95	-15.02
		86	1004.21	30.27	-160.92	29.41	-160.05	-12.84	23.45	-336.72	-327.19	13.92	-57.80
619	2	486	1175.68	31.06	-158.11	29.52	-156.57	-17.03	90.20	-358.37	-346.53	78.37	-71.90
		784	518.01	36.65	-56.49	30.51	-50.35	-23.12	130.58	-74.50	-69.69	125.77	-31.04
		678	296.24	35.77	-60.52	26.73	-51.49	-28.08	59.34	-52.87	-50.25	56.71	-16.97
		86	992.67	26.20	-156.23	25.40	-155.43	-12.07	18.97	-336.75	-327.08	9.31	-57.83
619	3	486	1171.95	31.41	-162.81	29.77	-161.17	-17.76	92.04	-354.78	-343.10	80.36	-71.30
		784	520.90	37.19	-58.77	30.75	-52.33	-24.01	131.31	-74.45	-69.72	126.57	-30.86
		678	305.04	35.86	-62.96	26.39	-53.49	-29.09	62.74	-52.92	-50.15	59.96	-17.69
		86	992.18	25.85	-160.88	24.98	-160.01	-12.68	23.49	-333.27	-323.53	13.76	-58.13
619	4	486	1092.79	33.76	-152.78	33.69	-152.71	3.57	93.86	-320.61	-309.37	82.61	-67.33
		784	502.28	37.61	-33.07	37.48	-32.94	-3.03	142.00	-52.71	-49.59	138.88	-24.43
		678	305.92	65.48	-35.35	64.70	-34.57	-8.85	80.29	-24.14	-24.09	80.25	2.25
		86	916.44	66.28	-151.49	65.87	-151.08	9.39	29.25	-289.15	-283.87	23.97	-40.65
619	5	486	1167.14	27.08	-140.60	26.92	-140.44	5.04	89.36	-356.28	-344.87	77.94	-70.39
		784	493.24	29.65	-26.16	29.62	-26.13	-1.35	138.46	-56.88	-52.02	133.60	-30.42
		678	250.51	45.32	-28.20	44.68	-27.56	-6.83	52.07	-38.97	-38.17	51.28	-8.46
		86	984.38	45.47	-139.61	44.87	-139.01	10.52	2.64	-338.05	-331.02	-4.38	-48.43
619	6	486	1409.89	17.46	-135.92	17.46	-135.92	0.25	93.98	-450.19	-435.85	79.64	-87.16
		784	555.77	20.60	-29.48	19.93	-28.81	-5.75	154.88	-69.80	-63.42	148.51	-37.30
		678	236.88	35.31	-31.96	33.51	-30.15	-10.87	36.97	-50.87	-49.35	35.45	-11.46
		86	1183.40	33.82	-134.76	33.64	-134.59	5.38	-23.97	-431.22	-421.77	-33.42	-61.32
619	7	486	1157.43	32.83	-161.40	31.24	-159.81	-17.50	91.35	-349.57	-337.78	79.56	-71.13
		784	520.58	38.64	-58.39	32.49	-52.23	-23.64	131.38	-73.56	-69.18	127.00	-29.64
		678	308.17	40.26	-62.20	31.47	-53.42	-28.69	65.68	-48.84	-46.97	63.81	-14.52
		86	976.42	31.18	-159.44	30.36	-158.63	-12.46	25.56	-324.77	-315.57	16.36	-56.01
619	8	486	896.96	26.84	-126.29	25.43	-124.87	-14.64	69.09	-271.75	-262.80	60.14	-54.51
		784	403.23	31.39	-45.14	26.03	-39.78	-19.53	97.75	-61.84	-58.48	94.39	-22.91
		678	245.11	28.65	-48.63	20.69	-40.67	-23.49	50.24	-43.25	-41.22	48.21	-13.62
		86	760.86	20.22	-124.78	19.43	-123.99	-10.68	21.62	-253.19	-245.54	13.96	-45.22
619	9	486	845.40	21.50	-113.84	20.41	-112.76	-12.08	66.21	-256.89	-248.27	57.59	-52.06
		784	373.52	25.60	-41.53	21.33	-37.26	-16.38	96.45	-50.77	-47.31	93.00	-22.30
		678	210.79	27.23	-44.17	21.15	-38.09	-19.93	43.73	-34.73	-33.19	42.18	-10.91
		86	711.64	20.96	-112.47	20.41	-111.92	-8.53	13.46	-240.82	-234.14	6.78	-40.67
619	10	486	834.57	21.04	-113.79	19.96	-112.72	-11.99	65.84	-253.02	-244.66	57.49	-50.93
		784	367.62	25.04	-41.26	20.74	-36.96	-16.33	94.90	-50.11	-46.54	91.33	-22.47
		678	208.14	25.12	-44.05	18.84	-37.78	-19.87	42.53	-35.99	-33.98	40.52	-12.39
		86	704.94	18.50	-112.45	17.96	-111.90	-8.45	13.48	-238.90	-232.11	6.69	-40.85
619	11	486	966.58	13.16	-98.73	13.12	-98.69	-1.98	66.92	-306.02	-296.19	57.09	-59.74
		784	387.24	15.70	-24.86	14.73	-23.89	-6.18	108.01	-47.53	-43.04	103.51	-26.05
		678	169.94	24.71	-26.73	22.79	-24.81	-9.75	28.20	-34.83	-33.54	26.91	-8.93
		86	811.04	22.79	-97.79	22.77	-97.77	1.59	-12.89	-293.32	-286.69	-19.52	-42.62
620	1	86	1088.64	34.43	-105.97	29.61	-101.15	25.57	32.84	-367.33	-333.56	-0.92	-111.23
		678	486.05	35.63	-82.85	31.23	-78.45	22.40	95.34	-88.91	-51.98	58.40	-73.77
		785	608.07	19.06	-83.97	13.49	-78.40	23.30	189.27	-27.36	-15.40	177.31	-49.47
		491	1131.38	19.70	-106.23	14.66	-101.19	24.67	135.46	-314.46	-296.98	117.98	-86.94
620	2	86	1082.65	30.33	-100.57	26.50	-96.74	22.08	28.55	-369.67	-335.05	-6.06	-112.19
		678	474.89	31.33	-79.42	27.90	-75.99	19.17	91.32	-90.80	-52.10	52.63	-74.50
		785	592.86	16.98	-80.24	12.68	-75.94	20.00	184.13	-28.49	-15.44	171.09	-51.02
		491	1123.48	17.62	-100.73	13.67	-96.79	21.25	130.74	-316.74	-298.40	112.39	-88.72
620	3	86	1081.86	29.81	-105.36	26.32	-101.87	21.43	33.25	-366.09	-331.55	-1.29	-112.26
		678	482.63	30.72	-82.28	27.69	-79.25	18.25	94.77	-90.34	-51.70	56.14	-75.22
		785	600.97	16.94	-82.99	13.12	-79.17	19.16	185.92	-29.58	-15.87	172.20	-52.60
		491	1125.44	17.56	-105.47	14.04	-101.95	20.51	133.49	-314.43	-295.71	114.77	-89.64
620	4	86	1008.70	105.84	-130.26	59.50	-83.92	93.77	35.82	-316.29	-293.56	13.09	-86.52
		678	474.29	117.81	-70.28	64.93	-17.40	84.56	108.03	-49.58	-21.06	79.51	-60.68
		785	557.54	81.49	-94.16	4.68	-17.35	87.13	189.71	-4.86	-1.12	185.97	-26.71
		491	1038.39	64.72	-139.91	8.78	-83.98	91.20	126.46	-280.52	-273.62	119.55	-52.55
620	5	86	1102.59	77.54	-103.48	43.36	-69.30	70.85	10.01	-376.68	-346.03	-20.64	-104.46

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		678	449.37	86.53	-56.57	47.58	-17.62	63.69	87.25	-71.61	-34.30	49.93	-67.35
		785	541.50	57.89	-74.76	0.71	-17.58	65.69	184.11	-7.70	-1.16	177.57	-34.83
		491	1121.40	45.27	-110.70	3.91	-69.34	68.85	118.98	-324.87	-312.89	107.00	-71.94
620	6	86	1296.68	51.89	-85.13	33.76	-67.00	46.42	-14.70	-470.21	-430.50	-54.41	-128.50
		678	444.44	56.17	-57.41	37.01	-38.25	42.53	66.34	-97.19	-59.58	28.73	-68.82
		785	621.21	28.28	-66.83	-0.21	-38.34	43.56	217.68	-1.22	3.79	212.67	-32.74
		491	1313.77	24.91	-89.35	2.46	-66.91	45.39	146.16	-383.78	-367.14	129.52	-92.42
620	7	86	1060.65	35.84	-106.10	30.32	-100.58	27.44	34.91	-354.96	-322.34	2.30	-107.95
		678	482.27	37.09	-81.33	31.99	-76.23	24.03	96.57	-85.56	-48.92	59.93	-73.01
		785	597.28	20.27	-82.65	13.79	-76.17	25.00	185.20	-27.59	-15.51	173.12	-49.24
		491	1103.81	20.75	-106.41	14.98	-100.64	26.47	132.31	-305.76	-288.94	115.49	-84.17
620	8	86	826.22	23.10	-82.27	20.46	-79.63	16.46	28.12	-277.55	-251.77	2.35	-84.94
		678	380.63	23.57	-64.10	21.30	-61.83	13.93	75.11	-71.00	-41.71	45.82	-58.50
		785	465.96	15.68	-64.51	12.90	-61.73	14.68	141.00	-27.33	-16.65	130.32	-41.04
		491	860.76	15.95	-82.31	13.37	-79.72	15.72	100.75	-240.62	-226.72	86.85	-67.48
620	9	86	775.43	23.99	-73.35	20.61	-69.97	17.82	20.93	-263.61	-238.98	-3.70	-80.00
		678	338.49	24.93	-57.71	21.84	-54.61	15.69	66.02	-62.53	-35.41	38.89	-52.45
		785	427.97	12.17	-58.57	8.20	-54.60	16.29	134.89	-16.98	-8.32	126.23	-35.23
		491	805.58	12.71	-73.57	9.12	-69.98	17.23	96.42	-224.67	-211.89	83.64	-62.78
620	10	86	771.68	21.40	-73.00	18.78	-70.37	15.52	21.16	-262.93	-237.86	-3.90	-80.57
		678	336.68	22.19	-57.38	19.87	-55.06	13.38	65.72	-63.35	-35.26	37.63	-53.26
		785	424.02	10.96	-57.99	8.00	-55.02	13.99	133.04	-18.23	-8.58	123.39	-36.97
		491	802.30	11.49	-73.12	8.78	-70.40	14.91	95.33	-224.67	-211.18	81.85	-64.28
620	11	86	890.82	33.19	-61.27	22.92	-51.00	29.41	-5.48	-320.77	-292.84	-33.41	-89.59
		678	315.34	35.68	-42.91	25.04	-32.28	26.88	49.98	-67.20	-39.63	22.41	-49.70
		785	434.92	16.21	-47.97	0.59	-32.34	27.54	150.41	-2.20	2.34	145.87	-25.93
		491	906.77	14.89	-63.48	2.35	-50.93	28.74	102.32	-263.13	-250.87	90.05	-65.82
621	1	491	914.63	20.85	-37.70	17.45	-34.31	13.68	55.03	-301.29	-295.69	49.42	-44.34
		785	394.68	19.76	-49.79	16.69	-46.72	14.29	86.73	-66.46	-65.08	85.35	-14.46
		679	170.60	12.68	-50.26	8.93	-46.51	14.89	9.23	-59.32	-58.46	-10.08	-6.49
		118	754.28	12.08	-38.18	8.41	-34.52	13.07	-40.69	-294.39	-289.07	-46.01	-36.37
621	2	491	907.55	18.49	-29.37	16.74	-27.61	9.00	49.11	-304.02	-297.91	43.00	-46.05
		785	380.77	17.68	-49.27	16.13	-47.73	10.05	81.26	-66.42	-64.67	79.51	-15.97
		679	163.66	13.40	-49.46	11.42	-47.48	10.98	-15.79	-59.67	-58.28	-17.18	-7.68
		118	753.32	12.81	-29.47	11.21	-27.87	8.07	-47.84	-297.37	-291.52	-53.69	-37.75
621	3	491	908.76	18.75	-32.03	17.29	-30.57	8.48	51.79	-302.27	-295.91	45.43	-47.02
		785	387.98	17.93	-53.15	16.61	-51.83	9.59	83.36	-66.21	-64.14	81.29	-17.47
		679	168.60	12.81	-53.29	11.07	-51.55	10.58	-14.38	-60.60	-58.47	-16.51	-9.68
		118	753.28	12.11	-32.15	10.80	-30.84	7.50	-46.07	-296.54	-290.24	-52.37	-39.23
621	4	491	870.56	96.67	-98.21	8.83	-10.37	96.96	66.41	-280.10	-280.00	66.30	-6.03
		785	411.54	141.92	-55.22	7.83	78.88	91.94	104.01	-39.67	-39.41	103.75	6.14
		679	258.36	130.78	-69.57	-17.02	78.23	88.13	-11.21	-69.23	-63.80	-16.64	16.90
		118	773.28	86.15	-115.66	-19.79	-9.72	100.78	-53.99	-304.48	-304.39	-54.08	4.73
621	5	491	926.62	74.80	-62.24	4.84	7.71	68.51	42.72	-319.48	-318.12	41.36	-22.11
		785	350.79	103.25	-38.93	4.91	59.41	65.66	84.51	-48.03	-47.99	84.47	-2.18
		679	194.84	98.97	-41.49	-1.47	58.95	63.40	-36.52	-68.93	-65.16	-40.29	10.39
		118	812.99	73.84	-68.10	-2.43	8.17	70.77	-83.03	-335.66	-335.30	-83.39	-9.54
621	6	491	1062.95	28.29	-64.02	-0.11	-35.62	42.60	54.58	-359.58	-355.80	50.81	-39.36
		785	394.76	53.69	-28.56	0.63	24.50	39.35	93.87	-69.90	-69.82	93.79	-3.62
		679	176.00	51.05	-25.61	1.55	23.88	36.67	-7.35	-63.11	-62.71	-7.75	4.74
		118	901.40	31.81	-65.70	1.11	-35.00	45.29	-47.55	-351.88	-348.69	-50.74	-31.01
621	7	491	894.23	22.55	-36.65	17.91	-32.01	15.91	54.29	-294.04	-288.85	49.09	-42.23
		785	385.36	21.26	-47.59	17.07	-43.40	16.46	85.72	-63.86	-62.52	84.38	-14.10
		679	166.32	13.42	-48.31	8.30	-43.19	17.03	-10.75	-58.81	-58.03	-11.53	-6.09
		118	738.56	12.91	-37.43	7.69	-32.21	15.35	-41.99	-289.19	-284.35	-46.82	-34.23
621	8	491	695.66	16.87	-24.43	16.03	-23.59	5.83	38.87	-231.24	-226.24	33.87	-36.42
		785	303.60	16.10	-40.77	15.31	-39.98	6.66	61.96	-55.07	-53.51	60.41	-13.41
		679	138.34	9.77	-40.86	8.66	-39.74	7.44	-9.74	-49.25	-47.57	-11.42	-7.97
		118	574.87	9.04	-24.60	8.26	-23.83	5.05	-32.84	-225.42	-220.30	-37.96	-30.98
621	9	491	651.08	13.47	-25.98	11.00	-23.51	9.55	38.70	-215.29	-211.36	34.77	-31.35
		785	275.03	12.79	-34.96	10.58	-32.76	10.02	61.95	-44.78	-43.77	60.94	-10.32
		679	114.86	9.26	-35.23	6.65	-32.62	10.46	-8.42	-40.71	-40.11	-9.01	-4.34
		118	538.83	8.96	-26.19	6.41	-23.65	9.11	-31.54	-211.35	-207.70	-35.19	-25.37
621	10	491	647.81	12.23	-22.75	10.91	-21.43	6.66	36.89	-215.82	-211.48	32.55	-32.84
		785	271.30	11.70	-36.75	10.54	-35.59	7.41	60.08	-44.65	-43.25	58.69	-11.99
		679	113.95	9.29	-36.87	7.84	-35.42	8.06	-11.29	-41.42	-40.12	-12.59	-6.12
		118	538.33	8.92	-22.79	7.74	-21.61	6.01	-34.54	-212.53	-208.35	-38.73	-26.96
621	11	491	733.47	17.11	-40.11	1.24	-24.24	25.62	38.42	-247.64	-244.76	35.53	-28.58
		785	263.39	28.32	-19.84	1.66	6.81	23.94	65.80	-46.58	-46.41	65.63	-4.30
		679	110.02	27.16	-18.12	2.55	6.49	22.55	-7.62	-42.57	-42.47	-7.72	1.89
		118	620.55	19.25	-40.81	2.36	-23.91	27.01	-35.38	-243.26	-240.82	-37.82	-22.39
622	1	118	858.63	22.07	-17.58	6.48	-1.99	19.37	-38.52	-334.17	-310.73	-61.97	-79.88

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		679	288.00	16.60	-50.70	5.90	-40.00	24.61	23.29	-82.31	-47.52	-11.50	-49.63
		786	388.16	18.46	-49.32	9.46	-40.33	23.00	116.75	-24.87	-17.55	109.43	-31.34
		495	900.06	25.68	-17.77	9.57	-1.66	20.98	69.79	-291.59	-280.76	58.96	-61.60
622	2	118	860.56	21.00	-8.68	7.72	4.60	14.76	-45.12	-338.61	-313.83	-69.90	-81.60
		679	286.24	15.00	-51.30	7.16	-43.47	21.40	20.24	-85.30	-46.95	-18.11	-50.76
		786	379.00	15.70	-50.18	9.42	-43.91	19.35	113.74	-23.90	-16.22	106.06	-31.61
		495	895.61	24.36	-9.59	9.74	5.03	16.81	65.45	-294.28	-283.09	54.27	-62.44
622	3	118	862.35	19.22	-7.67	7.31	4.24	13.35	-43.77	-339.06	-313.39	-69.44	-83.19
		679	292.65	13.61	-54.57	6.74	-47.70	20.53	22.40	-86.51	-46.42	-17.69	-52.52
		786	380.64	14.16	-53.55	8.78	-48.17	18.31	113.09	-24.78	-16.15	104.46	-33.40
		495	895.14	22.66	-8.80	9.14	4.72	15.57	64.52	-294.93	-283.13	52.71	-64.07
622	4	118	880.50	116.94	-99.96	-0.70	17.68	108.06	-51.80	-340.21	-333.45	-58.56	-43.64
		679	252.29	189.01	-42.59	0.84	145.59	90.40	0.59	-58.31	-44.89	-12.84	-24.71
		786	422.91	192.92	-52.19	-6.00	146.73	95.85	100.79	-35.68	-34.49	99.60	-12.70
		495	967.27	108.15	-98.38	-6.77	16.54	102.61	56.51	-325.68	-323.05	53.87	-31.63
622	5	118	954.05	105.70	-61.88	7.60	36.22	82.56	-78.84	-378.40	-365.56	-91.68	-60.68
		679	285.25	147.38	-28.79	9.37	109.22	72.57	-7.97	-76.35	-47.94	-36.38	-33.69
		786	383.01	147.04	-43.54	-6.26	109.76	75.60	101.69	-29.00	-26.99	99.68	-16.08
		495	1008.66	97.13	-67.24	-5.81	35.69	79.52	49.09	-349.32	-344.61	44.38	-43.07
622	6	118	1026.41	55.52	-62.49	8.58	-15.56	57.76	-43.44	-391.11	-369.60	-64.94	-83.75
		679	288.91	81.56	-23.65	9.89	48.02	49.03	16.52	-81.53	-56.91	-8.10	-42.52
		786	437.37	81.18	-33.31	-0.65	48.52	51.70	146.59	-18.12	-14.42	142.89	-24.40
		495	1077.94	47.37	-63.91	-0.49	-16.06	55.10	96.23	-337.28	-327.11	86.05	-65.64
622	7	118	844.24	25.16	-18.36	6.21	0.59	21.58	-39.62	-329.05	-306.64	-62.03	-77.36
		679	283.30	18.74	-47.74	5.65	-34.65	26.43	22.36	-80.81	-46.02	-12.42	-48.77
		786	377.31	20.51	-46.17	9.29	-34.95	24.94	112.95	-25.62	-18.36	105.69	-30.88
		495	887.40	28.58	-18.33	9.37	0.89	23.07	66.32	-289.22	-278.97	56.08	-59.47
622	8	118	656.00	14.44	-5.32	5.59	3.54	9.83	-32.19	-257.59	-238.36	-51.42	-62.95
		679	231.10	9.95	-42.86	4.91	-37.82	15.52	18.40	-67.89	-37.55	-11.95	-41.20
		786	295.49	13.13	-41.87	9.43	-38.17	13.77	84.64	-23.30	-16.53	77.87	-26.16
		495	683.26	18.60	-5.22	9.51	3.88	11.57	47.09	-226.03	-217.35	38.41	-47.91
622	9	118	615.87	16.04	-11.94	4.86	-0.77	13.70	-29.13	-240.33	-223.18	-46.27	-57.68
		679	202.12	12.20	-35.32	4.58	-27.71	17.43	15.83	-58.20	-32.40	-9.97	-35.28
		786	273.99	12.05	-34.58	5.42	-27.96	16.28	84.09	-15.34	-10.04	78.78	-22.34
		495	644.29	17.73	-12.61	5.63	-0.52	14.86	50.45	-208.79	-200.82	42.49	-44.75
622	10	118	618.00	14.45	-6.43	5.33	2.70	10.36	-32.03	-243.05	-224.66	-50.42	-59.52
		679	204.94	10.46	-37.40	5.05	-31.99	15.16	15.41	-60.61	-31.79	-13.41	-36.88
		786	269.85	9.51	-36.78	5.04	-32.31	13.67	82.06	-15.30	-9.26	76.02	-23.48
		495	641.55	16.12	-7.70	5.39	3.02	11.85	47.53	-210.65	-202.13	39.01	-46.12
622	11	118	708.88	34.62	-36.89	6.03	-8.30	35.03	-31.94	-271.87	-255.89	-47.92	-59.82
		679	202.72	45.82	-17.83	6.80	21.19	31.00	11.78	-57.48	-37.62	-8.08	-31.32
		786	289.75	44.58	-23.37	-0.19	21.40	32.22	100.52	-11.44	-8.30	97.37	-18.49
		495	743.02	29.84	-38.31	0.04	-8.51	33.81	65.10	-234.14	-226.57	57.53	-46.99
623	1	495	762.31	10.87	-14.81	9.18	-13.12	6.37	12.07	-275.26	-273.69	10.50	-21.23
		786	250.97	10.90	-14.73	9.20	-13.04	6.37	36.76	-65.22	-65.20	36.74	1.36
		685	149.16	11.21	-14.71	9.54	-13.04	6.37	-34.11	-62.29	-62.19	-34.21	1.72
		131	673.20	11.23	-14.78	9.56	-13.11	6.38	-58.41	-272.72	-270.67	-60.46	-20.87
623	2	495	760.53	10.60	-10.27	10.18	-9.85	2.93	7.60	-277.36	-275.69	5.93	-21.76
		786	245.58	10.63	-19.83	10.24	-19.44	3.43	33.11	-64.49	-64.48	33.10	0.98
		685	149.16	12.77	-19.83	12.31	-19.37	3.82	-36.95	-61.64	-61.47	-37.12	2.06
		131	675.72	12.83	-10.20	12.54	-9.92	2.53	-62.26	-274.71	-272.68	-64.29	-20.68
623	3	495	759.35	10.58	-5.54	10.49	-5.45	1.21	5.46	-278.63	-276.71	3.55	-23.25
		786	243.49	10.73	-25.39	10.58	-25.25	2.25	31.62	-63.56	-63.55	31.62	-0.69
		685	150.10	14.64	-25.34	14.41	-25.11	3.06	-40.88	-61.41	-61.34	-40.95	1.21
		131	677.45	14.86	-5.61	14.85	-5.60	0.40	-66.84	-276.69	-274.49	-69.03	-21.34
623	4	495	916.67	54.35	-78.47	-30.85	6.73	63.70	13.38	-325.88	-325.64	13.14	9.15
		786	426.73	239.69	-42.01	-32.08	229.75	51.97	31.76	-82.62	-77.92	27.06	22.69
		685	300.28	234.01	-83.38	-77.49	228.13	42.82	-69.99	-97.08	-96.39	-70.69	4.29
		131	884.43	48.73	-123.04	-82.65	8.35	72.84	-84.29	-344.43	-344.10	-84.62	-9.25
623	5	495	939.72	45.93	-54.43	-24.04	15.54	46.11	-1.20	-344.35	-344.34	-1.20	1.22
		786	364.11	184.72	-31.78	-25.06	178.00	37.56	22.75	-80.39	-77.03	19.40	18.30
		685	284.06	180.80	-63.72	-59.74	176.83	30.90	-75.73	-93.82	-92.45	-77.10	4.78
		131	903.29	42.85	-89.77	-63.63	16.70	52.76	-97.13	-360.34	-359.76	-97.70	-12.30
623	6	495	902.62	19.17	-55.04	-13.19	-22.69	36.80	29.23	-321.10	-320.14	28.27	-18.35
		786	360.52	113.75	-20.33	-13.22	106.64	30.06	51.73	-72.67	-72.40	51.47	5.73
		685	207.12	109.95	-34.89	-30.54	105.61	24.70	-36.25	-74.58	-74.37	-36.47	-2.88
		131	811.70	15.27	-69.78	-32.85	-21.66	42.16	-56.93	-324.84	-322.10	-59.67	-26.96
623	7	495	755.37	11.10	-13.58	8.47	-10.95	7.61	10.36	-273.99	-272.64	9.01	-19.54
		786	241.79	11.44	-9.66	8.43	-6.64	7.38	34.74	-64.79	-64.74	34.70	2.11
		685	150.10	10.36	-9.72	7.30	-6.67	7.21	-36.66	-63.25	-63.10	-36.81	2.00
		131	669.77	10.07	-13.81	7.18	-10.92	7.79	-60.67	-272.83	-271.00	-62.50	-19.65
623	8	495	579.88	10.71	-4.07	10.71	-4.07	-0.10	2.54	-213.02	-211.46	0.97	-18.29

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		786	194.30	10.66	-19.94	10.64	-19.92	0.72	21.67	-53.12	-53.12	21.66	-0.48
		685	121.24	11.90	-19.85	11.84	-19.79	1.39	-30.12	-49.54	-49.52	-30.14	0.59
		131	515.15	12.08	-4.24	12.05	-4.20	-0.76	-48.96	-209.73	-207.86	-50.83	-17.22
623	9	495	545.95	6.75	-10.03	5.32	-8.60	4.69	8.78	-197.48	-196.42	7.71	-14.77
		786	173.53	6.81	-10.51	5.40	-9.10	4.73	27.07	-43.91	-43.89	27.06	1.01
		685	103.24	7.91	-10.43	6.59	-9.11	4.74	-26.00	-43.15	-43.02	-26.14	1.54
		131	483.97	8.00	-9.91	6.69	-8.59	4.68	-44.14	-196.88	-195.54	-45.48	-14.24
623	10	495	544.27	6.36	-4.65	6.04	-4.34	1.83	5.09	-199.34	-198.10	3.85	-15.89
		786	169.33	6.43	-16.15	6.17	-15.89	2.44	24.21	-42.98	-42.98	24.21	-0.13
		685	104.07	9.63	-16.14	9.30	-15.81	2.91	-29.76	-42.67	-42.54	-29.88	1.26
		131	486.43	9.75	-4.55	9.62	-4.42	1.36	-48.83	-199.08	-197.67	-50.24	-14.50
623	11	495	623.79	11.35	-32.38	-7.11	-13.92	21.60	18.31	-222.95	-222.23	17.59	-13.17
		786	232.08	62.01	-11.69	-7.06	-57.38	17.89	35.38	-48.03	-47.89	35.24	3.44
		685	129.86	59.76	-18.63	-15.68	56.81	14.93	-27.35	-49.83	-49.78	-27.39	-1.02
		131	558.26	9.51	-39.73	-16.88	-13.34	24.55	-43.33	-225.84	-224.12	-45.05	-17.63
624	1	131	791.10	28.91	-13.09	7.11	8.70	20.99	-53.52	-314.99	-296.61	-71.89	-66.83
		685	263.27	25.04	-22.30	7.64	-4.90	22.83	10.62	-83.44	-83.01	-29.81	-46.56
		803	281.01	19.22	-25.40	-1.08	-5.10	22.22	72.36	-39.78	-27.79	60.37	-34.66
		499	821.18	26.37	-17.79	-0.33	8.90	21.59	28.03	-291.14	-281.39	18.28	-54.93
624	2	131	792.79	28.46	-10.05	8.16	10.26	19.23	-56.27	-316.79	-298.24	-74.82	-66.99
		685	263.00	22.56	-27.47	8.66	-13.57	22.41	9.71	-84.19	-42.54	-31.94	-46.65
		803	283.10	15.10	-29.66	-0.69	-13.87	21.39	72.51	-38.84	-27.11	60.79	-34.17
		499	822.85	26.27	-15.53	0.20	10.55	20.25	27.49	-292.39	-282.82	17.91	-54.52
624	3	131	795.77	30.20	-5.84	8.96	15.41	17.73	-60.45	-319.74	-300.72	-79.47	-67.60
		685	266.63	21.59	-31.90	9.46	-19.76	22.40	8.88	-86.31	-41.89	-35.54	-47.49
		803	281.96	12.40	-33.59	-1.03	-20.16	20.91	70.88	-38.92	-26.92	58.88	-34.26
		499	823.76	28.70	-12.85	0.04	15.81	19.22	24.47	-295.28	-285.75	14.94	-54.37
624	4	131	969.90	12.31	-44.09	-38.63	6.85	16.68	-83.85	-391.50	-372.68	-102.67	-73.72
		685	328.44	252.26	-40.35	-39.52	251.43	-15.56	-42.71	-106.41	-80.83	-68.29	-31.22
		803	410.07	254.01	-2.94	-2.83	253.89	-5.42	67.11	-46.87	-35.64	55.88	-33.97
		499	973.46	7.25	-10.54	-7.67	4.39	6.54	37.52	-343.50	-327.49	21.50	-76.46
624	5	131	1001.58	12.65	-33.69	-31.46	10.42	9.92	-91.95	-406.77	-386.11	-112.61	-77.95
		685	311.68	190.13	-33.19	-32.35	189.29	-13.68	-41.66	-109.90	-79.22	-72.34	-33.94
		803	388.24	191.32	-2.37	-2.17	191.12	-6.25	75.99	-41.58	-31.77	66.18	-32.51
		499	1009.52	9.01	-6.37	-5.96	8.59	2.48	41.32	-354.07	-338.67	25.91	-76.52
624	6	131	935.00	15.78	-36.54	-11.38	-9.38	26.14	-54.19	-371.49	-347.40	-78.28	-84.05
		685	276.12	123.07	-11.38	-10.79	122.48	8.87	-1.22	-95.71	-61.69	-35.24	-45.35
		803	377.05	125.22	-7.52	-5.97	123.67	14.24	96.33	-33.96	-21.68	84.05	-38.07
		499	956.78	11.79	-29.86	-7.51	-10.56	20.77	57.18	-323.55	-307.39	41.01	-76.77
624	7	131	788.57	28.66	-12.61	5.78	10.26	20.51	-55.68	-315.31	-297.26	-73.73	-66.03
		685	260.08	25.81	-17.74	6.24	1.82	21.67	8.37	-84.04	-43.53	-32.14	-45.85
		803	272.91	21.67	-20.97	-0.98	1.68	21.28	70.00	-40.52	-28.45	57.93	-34.46
		499	819.28	26.59	-16.57	-0.38	10.40	20.90	26.03	-291.87	-282.18	16.34	-54.64
624	8	131	604.15	23.46	-4.00	7.27	12.19	13.51	-44.92	-242.36	-228.25	-59.04	-50.86
		685	209.73	16.49	-25.84	7.46	-16.81	17.34	7.96	-67.26	-33.81	-25.50	-37.38
		803	221.50	11.11	-26.33	1.90	-17.12	16.13	52.20	-34.08	-24.79	42.91	-26.75
		499	628.46	23.06	-8.01	2.56	12.49	14.72	16.24	-226.11	-219.23	9.37	-40.24
624	9	131	569.68	20.45	-8.95	4.91	6.58	14.68	-39.92	-227.45	-213.98	-53.38	-48.41
		685	185.59	17.70	-15.36	5.38	-3.03	15.99	6.71	-59.37	-29.61	-23.05	-32.88
		803	198.03	12.96	-18.16	-2.02	-3.18	15.55	52.96	-25.95	-17.37	44.38	-24.55
		499	590.14	18.31	-12.99	-1.40	6.73	15.11	21.25	-208.95	-201.74	14.05	-40.09
624	10	131	572.33	21.17	-4.93	5.94	10.31	12.87	-43.77	-230.10	-216.27	-57.60	-48.84
		685	187.58	15.61	-20.51	6.39	-11.29	15.75	5.81	-61.03	-28.99	-26.23	-33.39
		803	198.59	8.80	-22.35	-2.00	-11.55	14.82	52.14	-25.47	-16.89	43.56	-24.33
		499	591.52	19.68	-10.31	-1.20	10.57	13.79	19.27	-211.25	-204.17	12.19	-39.78
624	11	131	649.48	13.15	-21.98	-5.36	-3.46	17.54	-40.29	-258.85	-242.20	-56.93	-57.97
		685	192.42	68.66	-5.79	-4.87	67.74	8.23	-0.08	-65.98	-40.00	-26.07	-32.20
		803	247.48	70.01	-6.39	-4.74	68.35	11.12	66.26	-22.70	-13.98	57.54	-26.45
		499	665.29	9.93	-19.41	-5.39	-4.08	14.65	37.43	-226.94	-216.19	26.67	-52.22
625	1	499	760.58	85.11	2.09	3.67	83.52	-11.37	-29.20	-289.90	-289.50	-29.60	-10.18
		803	154.85	12.33	-3.31	2.88	6.14	-7.64	-4.88	-59.64	-59.09	-5.44	5.48
		687	218.46	9.39	-1.21	1.38	6.81	-4.55	-68.39	-88.85	-68.46	-88.78	1.15
		327	710.68	85.36	-0.71	1.79	82.86	-14.46	-111.82	-300.00	-298.87	-112.95	-14.51
625	2	499	761.45	83.42	3.41	5.16	81.67	-11.68	-29.20	-290.82	-290.47	-29.55	-9.59
		803	158.82	8.88	-8.10	4.20	-3.42	-7.59	-4.64	-59.67	-59.01	-5.31	6.02
		687	213.81	4.03	-5.29	1.42	-2.67	-4.18	-68.30	-87.84	-68.44	-87.70	1.65
		327	713.37	83.71	-0.98	1.80	80.93	-15.08	-110.91	-300.94	-299.90	-111.94	-13.96
625	3	499	766.23	85.10	3.68	5.76	83.01	-12.86	-31.36	-293.60	-293.27	-31.68	-9.25
		803	159.66	8.33	-14.45	4.68	-10.80	-8.35	-6.39	-59.78	-59.08	-7.09	6.07
		687	220.41	2.90	-11.62	1.26	-9.98	-4.60	-69.04	-89.31	-69.19	-89.15	1.78
		327	721.39	85.48	-1.64	1.65	82.19	-16.61	-112.78	-304.35	-303.39	-113.74	-13.54
625	4	499	887.41	95.75	-48.59	-36.00	83.17	-40.72	-41.50	-330.96	-328.20	-44.26	-28.10

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		803	318.55	268.83	-38.51	-30.50	260.82	-48.95	-22.03	-83.16	-83.06	-22.14	2.49
		687	368.79	271.64	11.23	24.05	258.83	-56.33	-68.58	-96.88	-70.98	-94.48	-7.88
		327	763.20	100.29	11.65	26.78	85.16	-33.35	-109.44	-323.28	-316.12	-116.60	-38.48
625	5	499	905.46	85.22	-41.41	-27.63	71.44	-39.43	-36.64	-339.14	-336.80	-38.98	-26.54
		803	293.79	204.75	-32.17	-23.23	195.81	-45.15	-15.57	-83.50	-83.25	-15.82	4.06
		687	311.32	208.02	9.00	22.67	194.34	-50.35	-69.27	-87.49	-71.70	-85.06	-6.20
		327	787.91	90.76	7.29	25.14	72.91	-34.23	-102.16	-331.31	-325.24	-108.23	-36.79
625	6	499	844.64	74.87	-22.21	-20.13	72.78	-14.07	-19.81	-311.83	-309.26	-22.38	-27.26
		803	256.93	145.65	-19.25	-17.41	143.81	-17.32	1.47	-67.03	-66.90	1.34	-2.94
		687	270.34	146.01	8.56	11.63	142.94	-20.30	-59.84	-85.49	-65.05	-80.29	-10.32
		327	744.63	75.62	11.27	13.24	73.65	-11.08	-98.27	-313.15	-307.41	-104.01	-34.65
625	7	499	761.70	86.79	0.96	2.89	84.86	-12.72	-31.06	-290.81	-290.42	-31.45	-9.98
		803	153.19	17.68	-3.27	2.22	12.18	-9.22	-6.69	-60.24	-49.61	-7.33	5.80
		687	224.78	15.70	-0.96	1.94	12.80	-6.32	-68.73	-90.51	-68.81	-90.43	1.35
		327	711.60	87.13	-0.47	2.41	84.25	-15.62	-113.43	-300.75	-299.63	-114.54	-14.43
625	8	499	582.03	65.89	5.30	7.20	63.99	-10.56	-25.81	-224.51	-224.23	-26.09	-7.40
		803	132.74	8.95	-11.89	6.19	-9.13	-7.07	-7.47	-50.07	-49.51	-8.03	4.85
		687	169.31	2.67	-9.99	1.14	-8.47	-4.13	-55.35	-67.39	-55.47	-67.27	1.20
		327	548.58	66.14	-1.54	1.27	63.33	-13.50	-84.49	-231.03	-230.19	-85.33	-11.05
625	9	499	547.64	60.32	0.23	1.33	59.22	-8.07	-20.08	-208.08	-207.82	-20.33	-6.92
		803	105.53	8.21	-3.13	0.86	4.22	-5.41	-2.18	-40.37	-39.94	-2.61	4.05
		687	156.36	6.57	-0.82	1.07	4.68	-3.22	-47.49	-64.18	-47.56	-64.11	1.09
		327	511.49	60.54	-0.32	1.46	58.76	-10.26	-81.10	-216.17	-215.44	-81.83	-9.88
625	10	499	550.78	60.30	1.12	2.49	58.93	-8.90	-21.27	-210.14	-209.92	-21.49	-6.40
		803	108.29	5.13	-8.46	1.86	-5.19	-5.81	-3.01	-40.46	-39.94	-3.53	4.38
		687	156.43	2.49	-6.12	1.01	-4.64	-3.25	-47.85	-64.44	-47.97	-64.32	1.44
		327	517.45	60.60	-0.83	1.38	58.39	-11.46	-81.63	-218.59	-217.95	-82.27	-9.34
625	11	499	593.81	54.63	-13.27	-11.89	53.25	-9.57	-15.00	-220.12	-218.80	-16.32	-16.41
		803	161.90	81.96	-11.67	-10.41	80.70	-10.79	1.16	-44.29	-44.28	1.15	-0.62
		687	184.96	82.21	4.87	6.77	80.31	-11.97	-43.87	-61.19	-45.67	-59.39	-5.28
		327	529.41	55.13	6.34	7.82	53.64	-8.38	-73.83	-223.22	-220.19	-76.87	-21.07
626	1	327	757.73	89.73	-2.40	-2.40	89.73	0.35	-142.86	-323.93	-323.92	-142.87	1.16
		687	267.36	20.16	-31.06	-2.62	-8.28	-25.45	-34.24	-103.90	-61.29	-76.84	-33.95
		686	232.28	17.22	-21.81	7.18	-11.78	-17.06	54.08	-41.63	-41.53	53.98	-3.14
		404	829.52	94.03	12.14	12.94	93.23	-8.05	-8.59	-307.62	-304.16	-12.04	31.98
626	2	327	758.83	86.69	-2.56	-2.56	86.68	0.31	-141.67	-324.27	-324.25	-141.69	1.95
		687	268.46	17.88	-38.94	-2.77	-18.29	-27.33	-34.45	-102.54	-61.32	-75.66	-33.28
		686	242.95	16.50	-30.76	7.78	-22.04	-18.33	55.64	-41.66	-41.60	55.58	-2.51
		404	831.51	91.41	12.98	13.96	90.44	-8.68	-6.85	-308.12	-304.52	-10.45	32.72
626	3	327	766.85	86.74	-3.43	-3.43	86.74	-0.40	-143.13	-327.52	-327.49	-143.16	2.41
		687	275.31	17.25	-47.43	-3.63	-26.55	-30.24	-35.03	-103.35	-61.97	-76.41	-33.39
		686	251.69	16.80	-39.50	7.91	-30.61	-20.53	56.43	-42.28	-42.22	56.38	-2.28
		404	840.10	92.12	13.29	14.61	90.80	-10.12	-6.64	-311.47	-307.74	-10.37	33.51
626	4	327	833.78	116.53	-4.51	5.67	106.34	-33.59	-145.60	-354.49	-353.12	-146.96	-16.84
		687	381.30	235.98	6.09	6.09	235.98	0.51	-29.16	-120.36	-70.90	-78.62	-45.44
		686	414.62	241.04	-6.75	-6.30	240.59	-10.57	69.93	-40.82	-39.31	68.41	-12.86
		404	903.72	105.96	-18.01	-13.78	101.73	-22.51	0.84	-322.29	-321.53	0.07	15.73
626	5	327	847.76	98.22	-6.40	4.41	87.41	-31.84	-137.11	-359.34	-358.66	-137.79	-12.31
		687	318.01	170.30	4.22	4.85	169.67	-10.23	-28.70	-112.37	-72.23	-68.84	-41.80
		686	402.46	174.25	-3.95	-2.26	172.57	-17.24	81.70	-41.35	-40.66	81.01	-9.17
		404	926.53	90.83	-13.15	-6.83	84.51	-24.84	13.27	-328.30	-327.09	12.06	20.33
626	6	327	802.58	85.93	5.74	6.55	85.12	-8.00	-131.51	-341.96	-341.08	-132.39	-13.63
		687	306.72	127.61	6.50	6.58	127.52	3.17	-22.04	-108.79	-66.11	-64.73	-43.37
		686	351.06	129.05	2.07	2.07	129.05	-0.47	76.35	-38.83	-37.75	75.27	-11.12
		404	878.44	83.82	-0.71	-0.48	83.60	-4.36	8.68	-313.79	-312.72	7.60	18.62
626	7	327	759.54	91.56	-2.49	-2.49	91.55	-0.84	-144.58	-324.84	-324.84	-144.59	1.03
		687	268.39	22.94	-28.36	-2.72	-2.70	-25.65	-34.77	-105.09	-61.49	-78.36	-34.13
		686	226.41	18.95	-18.42	6.60	-6.07	-17.58	53.14	-41.70	-41.59	53.03	-3.20
		404	830.90	95.86	11.17	12.12	94.92	-8.91	-9.73	-308.39	-304.93	-13.19	31.96
626	8	327	584.12	66.80	-2.91	-2.91	66.80	-0.39	-108.59	-249.31	-249.26	-108.64	2.62
		687	210.40	13.43	-38.06	-2.64	-21.99	-23.86	-27.52	-78.81	-49.22	-57.11	-25.34
		686	201.22	14.74	-31.78	8.20	-25.23	-16.18	42.68	-35.70	-35.69	42.66	-1.21
		404	641.44	71.18	12.74	13.88	70.04	-8.08	-5.75	-238.83	-235.72	-8.86	26.75
626	9	327	544.83	63.54	-1.53	-1.53	63.54	0.11	-102.77	-233.01	-233.01	-102.77	0.45
		687	192.27	14.35	-22.11	-1.89	-5.86	-18.12	-23.90	-74.61	-42.82	-55.69	-24.52
		686	163.42	11.62	-15.79	4.14	-8.31	-12.21	39.54	-27.94	-27.84	39.43	-2.65
		404	596.07	66.57	7.42	8.00	65.99	-5.80	-5.31	-220.37	-218.03	-7.65	22.32
626	10	327	549.89	61.88	-2.10	-2.10	61.88	-0.31	-102.92	-235.00	-234.99	-102.93	1.14
		687	196.74	12.62	-31.10	-2.46	-16.01	-20.78	-24.35	-74.29	-43.20	-55.45	-24.21
		686	174.22	11.21	-25.44	4.54	-18.77	-14.14	40.83	-28.29	-28.22	40.77	-2.18
		404	601.94	65.49	8.07	8.93	64.64	-6.95	-4.23	-222.50	-220.02	-6.72	23.17
626	11	327	569.29	61.34	3.09	3.44	60.98	-4.53	-96.54	-242.95	-242.54	-96.95	-7.77

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		687	207.11	69.66	3.14	3.21	69.58	-2.22	-17.42	-77.03	-45.49	-48.95	-29.76
		686	227.88	70.06	1.17	1.30	69.93	-3.00	51.91	-26.38	-25.74	51.26	-7.09
		404	623.10	60.87	0.31	0.54	60.64	-3.75	4.24	-223.76	-222.78	3.26	14.90
627	1	404	809.17	41.09	-40.88	7.61	-7.39	-40.29	2.48	-296.43	-294.41	0.46	24.49
		686	336.47	50.61	-27.63	11.43	11.55	-39.12	106.19	-22.63	-15.93	99.49	28.60
		810	448.74	41.79	-33.76	-2.48	10.51	-37.22	134.45	-36.14	11.50	86.81	76.53
		324	796.63	39.30	-45.36	0.29	-6.35	-42.20	6.92	-286.13	-266.98	-12.23	72.42
627	2	404	813.83	40.40	-42.56	7.62	-9.79	-40.56	4.24	-296.89	-294.76	2.11	25.24
		686	347.15	46.93	-33.51	11.09	2.33	-39.98	107.89	-22.94	-16.00	100.94	29.33
		810	457.43	38.31	-39.01	-2.21	1.51	-38.61	136.02	-36.37	11.47	88.19	77.19
		324	801.36	38.00	-46.39	0.59	-8.97	-41.92	8.71	-286.66	-267.30	-10.65	73.10
627	3	404	824.18	41.14	-45.02	7.19	-11.07	-42.10	5.17	-300.08	-297.87	2.97	25.86
		686	358.78	45.04	-40.65	10.18	-5.79	-42.09	110.06	-23.22	-16.17	103.02	29.82
		810	469.62	37.17	-45.52	-1.99	-6.36	-41.29	138.49	-36.72	11.47	90.30	78.24
		324	812.85	38.38	-48.16	0.72	-10.50	-42.90	9.94	-289.91	-270.22	-9.75	74.27
627	4	404	863.25	52.57	-54.99	8.78	-11.20	-52.84	12.99	-310.92	-310.39	12.45	13.13
		686	473.54	230.82	16.75	21.77	225.80	-32.40	118.65	-14.53	-12.80	116.92	15.09
		810	486.45	218.68	-2.89	-2.07	217.86	-13.45	135.31	-20.70	15.22	99.40	65.67
		324	835.60	68.85	-74.73	-2.62	-3.26	-71.79	8.87	-296.31	-282.37	-5.07	63.71
627	5	404	904.83	47.15	-64.92	9.04	-26.81	-53.09	26.29	-316.51	-315.59	25.37	17.71
		686	470.70	174.26	11.12	19.75	165.63	-36.53	132.12	-16.44	-13.90	129.58	19.24
		810	486.57	161.90	-3.06	-0.31	159.15	-21.12	147.55	-22.31	14.24	111.01	69.80
		324	876.24	58.75	-79.68	-0.60	-20.34	-68.51	21.86	-302.52	-287.45	6.80	68.26
627	6	404	854.86	32.22	-41.05	11.44	-20.27	-33.02	21.55	-302.05	-301.27	20.76	15.90
		686	424.24	141.34	17.61	20.76	138.20	-19.47	121.33	-14.81	-12.83	119.34	16.33
		810	442.01	133.14	1.74	2.08	132.79	-6.70	132.97	-21.23	13.17	98.58	64.19
		324	818.05	40.33	-52.85	2.35	-14.87	-45.79	14.06	-289.32	-275.27	4.69e-03	63.76
627	7	404	809.55	42.35	-41.69	7.32	-6.66	-41.43	1.47	-297.16	-295.15	-0.54	24.42
		686	333.21	53.66	-26.33	11.28	16.05	-39.92	105.72	-22.61	-15.88	98.99	28.61
		810	448.50	44.85	-32.62	-2.67	14.90	-37.73	134.57	-36.26	11.70	86.61	76.76
		324	797.99	40.97	-46.47	4.18e-03	-5.50	-43.63	6.31	-286.80	-267.57	-12.92	72.58
627	8	404	626.81	34.98	-35.03	8.03	-8.08	-34.07	0.79	-229.00	-227.22	-0.99	20.15
		686	275.06	38.31	-31.83	10.96	-4.48	-34.21	77.95	-25.01	-18.57	71.50	24.94
		810	362.00	30.50	-36.68	-1.18	-5.00	-33.54	102.75	-33.03	3.56	66.15	60.25
		324	617.80	32.04	-38.03	1.57	-7.56	-34.74	8.09	-219.52	-205.09	-6.34	55.46
627	9	404	583.56	27.74	-29.30	4.21	-5.77	-28.08	3.70	-213.17	-211.77	2.30	17.37
		686	243.31	34.28	-20.15	6.62	7.52	-27.21	80.18	-12.03	-7.73	75.89	19.43
		810	322.36	28.71	-23.85	-1.97	6.83	-25.91	98.77	-23.09	11.47	64.21	54.92
		324	574.65	26.78	-32.17	-0.30	-5.08	-29.38	4.79	-206.73	-192.57	-9.38	52.87
627	10	404	591.92	27.75	-31.59	3.98	-7.81	-29.08	5.20	-215.19	-213.69	3.69	18.14
		686	255.81	31.05	-27.23	5.92	-2.11	-28.86	82.33	-12.35	-7.86	77.85	20.11
		810	333.95	26.06	-30.30	-1.70	-2.54	-28.18	101.01	-23.40	11.45	66.15	55.87
		324	583.65	26.27	-33.72	-0.06	-7.39	-29.77	6.46	-208.83	-194.37	-8.00	53.90
627	11	404	608.86	22.60	-29.19	6.33	-12.93	-24.04	14.27	-216.27	-215.58	13.58	12.60
		686	290.54	81.68	8.00	11.80	77.88	-16.29	88.60	-7.69	-6.00	86.91	12.62
		810	307.96	75.83	-0.50	0.57	74.77	-8.96	97.81	-14.66	12.40	70.75	48.07
		324	586.13	27.34	-36.30	0.84	-9.81	-31.37	8.64	-208.40	-197.18	-2.58	48.06
628	1	324	697.39	12.67	-98.99	6.97	-93.29	-24.57	8.51	-240.72	-237.90	5.69	26.37
		810	226.87	29.65	-19.76	6.97	2.92	-24.62	19.27	-66.32	-58.53	11.47	24.62
		689	203.63	35.82	-15.51	17.38	2.92	-24.62	-1.09	-67.75	-61.55	-7.29	19.36
		394	679.87	22.59	-98.50	17.38	-93.29	-24.57	-11.13	-242.86	-240.92	-13.07	21.10
628	2	324	702.71	12.91	-101.17	7.58	-95.85	-24.07	10.29	-241.19	-238.32	7.43	26.69
		810	233.82	25.57	-24.77	7.58	-6.79	-24.12	20.99	-66.59	-58.76	13.15	24.99
		689	208.72	32.50	-21.60	17.69	-6.79	-24.12	0.65	-67.98	-61.76	-5.57	19.70
		394	684.66	22.58	-100.74	17.69	-95.85	-24.07	-9.32	-243.30	-241.32	-11.30	21.41
628	3	324	714.64	13.90	-104.76	8.46	-99.32	-24.81	11.88	-243.95	-241.04	8.97	27.13
		810	242.70	23.98	-31.36	8.46	-15.85	-24.86	22.60	-67.29	-59.48	14.79	25.32
		689	216.03	31.55	-28.89	18.52	-15.85	-24.86	2.10	-68.72	-62.54	-4.07	19.98
		394	696.19	23.53	-104.34	18.52	-99.32	-24.81	-7.88	-246.12	-244.10	-9.89	21.79
628	4	324	711.47	13.98	-114.71	-0.41	-100.32	-40.55	10.92	-245.00	-244.25	10.16	13.87
		810	302.27	233.45	-7.51	-0.41	226.35	-40.75	19.44	-57.65	-55.98	17.77	11.23
		689	250.64	234.00	9.56	17.22	226.35	-40.75	-3.08	-60.40	-59.72	-3.77	6.22
		394	697.31	29.85	-112.96	17.22	-100.32	-40.55	-11.04	-248.31	-247.98	-11.38	8.86
628	5	324	756.47	13.08	-127.46	3.09	-117.47	-36.12	24.28	-250.46	-249.60	23.42	15.33
		810	299.63	171.81	-4.72	3.09	164.01	-36.28	32.39	-60.21	-58.44	30.62	12.68
		689	247.71	172.59	10.61	19.19	164.01	-36.28	9.45	-62.99	-62.23	8.69	7.42
		394	738.40	28.15	-126.43	19.19	-117.47	-36.12	1.88	-253.79	-253.39	1.48	10.07
628	6	324	703.16	4.52	-102.62	1.17	-99.27	-18.63	17.02	-239.20	-238.42	16.24	14.12
		810	263.60	145.41	-1.27	1.17	142.97	-18.77	23.80	-57.27	-55.71	22.24	11.15
		689	212.15	145.68	13.09	15.80	142.97	-18.77	0.13	-60.28	-59.71	-0.43	5.83
		394	685.66	18.74	-102.22	15.80	-99.27	-18.63	-6.10	-242.75	-242.42	-6.43	8.79
628	7	324	698.33	13.18	-99.72	6.93	-93.47	-25.82	7.96	-241.26	-238.40	5.11	26.53

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		810	226.42	32.91	-18.84	6.93	7.13	-25.88	18.92	-66.51	-58.58	10.98	24.80
		689	203.89	38.70	-14.08	17.50	7.13	-25.88	-1.34	-67.93	-61.59	-7.68	19.54
		394	681.04	23.21	-99.18	17.50	-93.47	-25.82	-11.59	-243.38	-241.41	-13.56	21.28
628	8	324	545.93	12.10	-80.58	7.72	-76.21	-19.65	8.09	-186.55	-184.42	5.96	20.24
		810	192.92	19.57	-25.01	7.72	-13.16	-19.69	15.66	-54.95	-48.93	9.64	19.72
		689	174.13	25.17	-23.28	15.05	-13.16	-19.69	2.23	-55.17	-50.62	-2.32	15.51
		394	533.43	19.11	-80.26	15.05	-76.21	-19.65	-4.59	-187.52	-186.10	-6.00	16.04
628	9	324	501.21	8.42	-70.86	4.43	-66.86	-17.35	6.63	-172.88	-170.78	4.52	19.34
		810	159.30	20.50	-14.38	4.43	1.70	-17.39	14.88	-45.59	-39.93	9.22	17.61
		689	141.90	25.03	-11.26	12.07	1.70	-17.39	-0.98	-47.15	-42.47	-5.66	13.93
		394	487.74	15.72	-70.50	12.07	-66.86	-17.35	-8.87	-174.81	-173.32	-10.36	15.66
628	10	324	510.80	9.11	-74.06	5.26	-70.21	-17.48	8.50	-174.68	-172.52	6.34	19.76
		810	168.14	17.12	-20.60	5.26	-8.73	-17.52	16.73	-46.12	-40.46	11.06	18.00
		689	148.54	22.52	-18.55	12.70	-8.73	-17.52	0.78	-47.67	-43.02	-3.87	14.28
		394	496.77	16.24	-73.75	12.70	-70.21	-17.48	-7.06	-176.62	-175.09	-8.60	16.04
628	11	324	503.89	3.87	-72.85	1.21	-70.18	-14.05	11.25	-171.93	-171.07	10.38	12.53
		810	171.68	81.97	-1.27	1.21	79.50	-14.14	17.05	-40.21	-38.36	15.20	10.13
		689	134.40	82.31	8.38	11.19	79.50	-14.14	-0.84	-42.46	-41.45	-1.85	6.41
		394	490.33	13.55	-72.54	11.19	-70.18	-14.05	-6.21	-174.61	-174.15	-6.67	8.82
629	1	394	680.25	18.85	-76.61	17.82	-75.58	-9.89	18.74	-229.32	-226.82	16.24	24.78
		689	201.73	21.24	-11.00	17.82	-7.57	-9.93	-23.69	-78.63	-74.62	-27.70	14.30
		809	204.04	24.56	-10.64	21.49	-7.57	-9.93	-52.08	-83.56	-82.15	-53.48	-6.50
		328	652.75	22.48	-76.58	21.49	-75.58	-9.89	-9.47	-234.41	-234.34	-9.54	3.99
629	2	394	685.43	18.99	-79.02	18.13	-78.15	-9.17	20.61	-229.72	-227.18	18.07	25.10
		689	205.07	20.38	-19.44	18.13	-17.18	-9.21	-21.92	-78.91	-74.87	-25.96	14.63
		809	203.82	23.80	-19.25	21.73	-17.18	-9.21	-50.51	-83.59	-82.39	-51.71	-6.20
		328	657.41	22.57	-78.98	21.73	-78.15	-9.17	-7.61	-234.78	-234.70	-7.69	4.27
629	3	394	697.53	19.80	-82.50	18.94	-81.64	-9.36	22.57	-232.34	-229.76	19.99	25.52
		689	210.88	20.80	-28.39	18.94	-26.53	-9.39	-20.48	-79.78	-75.78	-24.47	14.87
		809	206.46	24.37	-28.26	22.64	-26.53	-9.39	-49.34	-84.53	-83.41	-50.46	-6.18
		328	668.90	23.47	-82.47	22.64	-81.64	-9.36	-5.91	-237.47	-237.38	-6.00	4.48
629	4	394	696.36	24.66	-88.63	17.46	-81.43	-27.64	19.96	-233.08	-232.47	19.35	12.41
		689	235.75	215.44	13.56	17.46	211.53	-27.81	-23.79	-74.02	-73.99	-23.82	1.18
		809	265.04	215.54	18.86	22.87	211.53	-27.81	-41.66	-91.55	-82.02	-51.19	-19.61
		328	673.67	29.75	-88.31	22.87	-81.43	-27.64	-7.73	-240.80	-240.50	-8.03	-8.38
629	5	394	740.81	23.36	-102.16	19.51	-98.31	-21.65	33.82	-238.22	-237.52	33.12	13.78
		689	235.44	153.63	15.97	19.51	150.09	-21.80	-10.96	-76.78	-76.71	-11.03	2.25
		809	236.56	153.77	20.96	24.64	150.09	-21.80	-32.35	-91.80	-84.96	-39.19	-18.97
		328	714.52	28.34	-102.01	24.64	-98.31	-21.65	5.18	-245.99	-245.77	4.96	-7.44
629	6	394	687.34	16.72	-80.36	16.39	-80.03	-5.66	25.19	-227.93	-227.32	24.58	12.42
		689	207.30	133.88	16.11	16.39	133.59	-5.79	-18.48	-73.31	-73.30	-18.50	0.84
		809	239.15	133.89	20.52	20.82	133.59	-5.79	-38.23	-90.61	-81.63	-47.21	-19.74
		328	665.21	21.13	-80.35	20.82	-80.03	-5.66	-3.84	-235.94	-235.66	-4.13	-8.17
629	7	394	681.32	19.20	-77.15	17.90	-75.85	-11.11	18.36	-229.79	-227.25	15.82	24.96
		689	202.20	22.63	-8.42	17.90	-3.69	-11.15	-24.02	-78.84	-74.71	-28.15	14.47
		809	204.52	25.86	-7.90	21.66	-3.69	-11.15	-52.49	-83.59	-82.23	-53.84	-6.35
		328	653.74	22.91	-77.10	21.66	-75.85	-11.11	-9.79	-234.85	-234.77	-9.87	4.14
629	8	394	534.87	16.09	-63.73	15.36	-63.01	-7.58	17.51	-177.73	-175.85	15.63	19.06
		689	168.12	16.88	-22.77	15.36	-21.25	-7.61	-15.40	-63.15	-60.22	-18.32	11.45
		809	162.77	19.38	-22.68	17.95	-21.25	-7.61	-36.33	-66.39	-65.69	-37.04	-4.55
		328	513.72	18.66	-63.71	17.95	-63.01	-7.58	-3.03	-181.37	-181.32	-3.08	3.06
629	9	394	487.78	13.11	-54.78	12.39	-54.06	-6.95	13.34	-164.62	-162.74	11.45	18.21
		689	141.45	14.75	-8.25	12.39	-5.88	-6.98	-17.13	-55.27	-52.20	-20.20	10.38
		809	144.12	17.29	-7.99	15.19	-5.88	-6.98	-38.20	-58.90	-57.80	-39.30	-4.64
		328	467.62	15.88	-54.76	15.19	-54.06	-6.95	-7.58	-168.40	-168.34	-7.64	3.19
629	10	394	497.37	13.63	-58.05	13.01	-57.43	-6.66	15.47	-166.30	-164.37	13.54	18.62
		689	146.25	14.45	-17.86	13.01	-16.41	-6.68	-15.36	-55.90	-52.85	-18.41	10.69
		809	144.95	17.16	-17.74	15.83	-16.41	-6.68	-36.71	-59.42	-58.50	-37.62	-4.46
		328	476.56	16.43	-58.03	15.83	-57.43	-6.66	-5.60	-170.10	-170.03	-5.67	3.46
629	11	394	491.17	11.90	-56.85	11.59	-56.54	-4.60	16.81	-163.73	-163.02	16.09	11.34
		689	134.00	72.90	11.24	11.59	72.54	-4.68	-14.86	-51.70	-51.47	-15.09	2.90
		809	162.37	72.92	14.44	14.82	72.54	-4.68	-30.49	-62.84	-57.52	-35.82	-12.00
		328	474.04	15.11	-56.83	14.82	-56.54	-4.60	-4.56	-169.15	-169.07	-4.63	-3.56
630	1	328	660.71	25.18	-7.07	24.64	-6.53	4.11	14.05	-233.37	-233.36	14.05	-1.22
		809	199.55	24.98	-24.35	24.64	-24.01	4.07	-37.10	-79.14	-78.36	-37.88	-5.67
		688	270.83	12.65	-24.46	12.19	-24.01	4.07	-31.50	-111.45	-83.35	-59.61	-38.17
		381	655.78	13.06	-7.40	12.20	-6.53	4.11	-2.85	-243.18	-238.35	-7.68	-33.72
630	2	328	665.44	25.57	-9.71	24.90	-9.04	4.82	16.03	-233.65	-233.64	16.02	-0.93
		809	202.19	25.28	-33.94	24.90	-33.55	4.77	-35.41	-79.31	-78.64	-36.08	-5.38
		688	270.23	12.66	-34.05	12.17	-33.55	4.77	-30.62	-110.81	-83.63	-57.80	-37.96
		381	659.71	13.21	-10.08	12.17	-9.04	4.82	-0.98	-243.36	-238.63	-5.70	-33.51
630	3	328	677.28	26.47	-12.75	25.81	-12.09	5.01	18.21	-236.22	-236.22	18.21	-0.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		809	207.69	26.17	-43.55	25.81	-43.19	4.94	-33.99	-80.31	-79.69	-34.62	-5.34
		688	273.33	13.13	-43.63	12.70	-43.19	4.94	-29.81	-111.53	-84.80	-56.55	-38.34
		381	670.83	13.68	-13.07	12.70	-12.09	5.01	0.97	-246.02	-241.33	-3.72	-33.72
630	4	328	686.47	27.58	-17.57	25.81	-15.80	-8.77	16.92	-240.25	-239.59	16.27	-12.98
		809	236.75	195.17	25.40	25.81	194.77	-8.30	-26.98	-85.17	-77.91	-34.25	-19.23
		688	348.73	195.16	20.45	20.84	194.77	-8.30	-17.75	-124.01	-84.13	-57.63	-51.45
		381	694.24	22.83	-17.79	20.84	-15.80	-8.77	1.15	-254.09	-245.82	-7.12	-45.20
630	5	328	729.05	27.82	-31.34	27.70	-31.22	-2.66	31.15	-245.03	-244.52	30.64	-11.89
		809	232.83	134.04	27.65	27.70	133.99	-2.29	-16.12	-86.34	-80.94	-21.52	-18.71
		688	331.17	134.04	20.70	20.75	133.99	-2.29	-10.97	-122.61	-87.61	-45.97	-51.79
		381	732.26	20.89	-31.36	20.75	-31.22	-2.66	13.82	-258.82	-251.19	6.19	-44.97
630	6	328	680.93	26.99	-16.42	24.10	-13.53	10.81	21.71	-235.44	-234.83	21.10	-12.54
		809	223.23	123.13	22.86	24.10	121.88	11.11	-22.14	-84.11	-77.19	-29.06	-19.53
		688	339.91	123.04	15.33	16.49	121.88	11.11	-15.46	-122.50	-84.02	-53.94	-51.36
		381	690.05	19.98	-17.02	16.49	-13.53	10.81	4.23	-249.67	-241.66	-3.78	-44.38
630	7	328	661.61	25.08	-7.24	24.79	-6.95	3.06	13.76	-233.78	-233.77	13.76	-1.08
		809	199.14	24.99	-20.61	24.79	-20.41	3.03	-37.48	-79.19	-78.45	-38.23	-5.52
		688	270.24	12.73	-20.68	12.46	-20.41	3.03	-31.80	-111.49	-83.43	-59.86	-38.06
		381	656.45	12.93	-7.42	12.46	-6.95	3.06	-3.08	-243.55	-238.75	-7.87	-33.62
630	8	328	520.19	20.82	-9.50	20.40	-9.08	3.55	15.13	-180.67	-180.67	15.12	-0.94
		809	164.80	20.62	-34.69	20.40	-34.47	3.49	-24.68	-63.10	-62.67	-25.11	-4.10
		688	210.90	10.50	-34.74	10.23	-34.47	3.49	-22.47	-85.63	-66.32	-41.79	-29.10
		381	514.50	10.86	-9.71	10.23	-9.08	3.55	2.07	-187.94	-184.31	-1.56	-26.01
630	9	328	473.38	17.83	-5.62	17.43	-5.22	3.04	9.64	-167.42	-167.42	9.64	-0.56
		809	140.30	17.69	-17.68	17.43	-17.42	3.01	-27.47	-55.81	-55.24	-28.03	-3.95
		688	193.57	8.93	-17.77	8.58	-17.42	3.01	-22.64	-79.79	-58.93	-43.51	-27.51
		381	470.33	9.22	-5.86	8.58	-5.22	3.04	-2.39	-174.55	-171.10	-5.84	-24.12
630	10	328	482.57	18.54	-8.77	18.08	-8.31	3.54	11.95	-169.01	-169.01	11.95	-0.29
		809	144.41	18.34	-28.34	18.08	-28.08	3.50	-25.74	-56.45	-55.98	-26.21	-3.77
		688	194.62	9.19	-28.41	8.86	-28.08	3.50	-21.74	-79.80	-59.73	-41.81	-27.61
		381	478.68	9.57	-9.01	8.86	-8.31	3.54	-0.26	-176.13	-172.76	-3.64	-24.12
630	11	328	484.16	18.77	-10.75	17.13	-9.11	6.76	13.82	-168.49	-168.24	13.56	-6.85
		809	151.54	64.64	16.12	17.13	63.63	6.93	-19.28	-58.44	-54.59	-23.13	-11.65
		688	231.51	64.53	10.07	10.97	63.63	6.93	-13.72	-85.94	-59.30	-40.36	-34.84
		381	489.12	13.04	-11.17	10.97	-9.11	6.76	1.50	-178.11	-172.94	-3.67	-30.04
631	1	381	718.74	31.49	5.10	20.59	16.00	13.00	-53.35	-288.03	-287.64	-53.74	-9.54
		688	282.43	18.91	-25.87	18.81	-25.77	2.13	45.41	-67.76	-49.42	27.07	-41.70
		690	280.12	17.44	-27.77	16.77	-27.09	5.48	63.41	-46.11	-45.64	62.94	-7.14
		353	748.20	27.10	7.82	17.60	17.32	9.64	-15.53	-286.19	-283.86	-17.86	25.02
631	2	381	721.45	31.14	2.37	21.12	12.40	13.71	-51.45	-287.98	-287.64	-51.78	-8.87
		688	287.21	19.36	-34.92	19.33	-34.89	1.37	46.50	-67.29	-49.66	28.87	-41.17
		690	290.57	18.18	-36.91	17.68	-36.42	5.20	64.91	-46.46	-46.06	64.50	-6.71
		353	752.82	26.57	6.21	18.86	13.93	9.87	-13.73	-286.46	-284.04	-16.15	25.59
631	3	381	732.17	30.84	-1.09	22.09	7.67	14.24	-49.68	-290.79	-290.50	-49.96	-8.31
		688	295.84	20.39	-43.79	20.39	-43.78	0.76	48.06	-67.76	-50.54	30.84	-41.21
		690	303.27	19.69	-45.87	19.31	-45.49	4.98	66.50	-47.61	-47.21	66.10	-6.77
		353	765.79	26.66	3.55	20.84	9.37	10.03	-12.22	-289.65	-287.17	-14.70	26.13
631	4	381	753.53	41.53	7.26	12.69	36.11	-12.51	-47.87	-302.48	-300.86	-49.49	-20.23
		688	373.10	187.07	8.98	13.12	182.93	26.83	60.88	-77.59	-52.32	35.60	-53.49
		690	407.74	189.55	2.25	3.31	188.49	14.05	77.25	-50.06	-47.77	74.97	-16.90
		353	794.20	30.55	-5.53	-5.53	30.55	0.26	-9.19	-297.25	-296.32	-10.12	16.36
631	5	381	780.70	21.34	8.04	16.66	12.73	-6.35	-35.00	-306.07	-305.10	-35.97	-16.24
		688	370.96	130.61	12.15	17.16	125.59	23.85	69.85	-76.62	-55.48	48.71	-51.48
		690	402.47	131.47	8.50	10.13	129.84	14.06	87.20	-54.41	-52.71	85.51	-15.40
		353	813.49	10.24	1.76	3.51	8.48	3.44	2.13	-303.63	-302.33	0.83	19.84
631	6	381	746.00	31.12	13.29	18.39	26.01	8.06	-43.12	-296.20	-294.84	-44.48	-18.52
		688	341.11	124.31	8.51	18.11	114.72	31.93	63.37	-77.07	-53.33	39.63	-52.63
		690	366.69	123.32	5.46	10.62	118.16	24.12	78.31	-52.89	-50.75	76.17	-16.62
		353	779.49	31.85	-4.54	4.74	22.57	15.87	-6.86	-293.33	-292.26	-7.94	17.49
631	7	381	719.28	30.25	6.23	20.29	16.19	11.83	-53.65	-288.47	-288.09	-54.04	-9.48
		688	280.13	18.65	-22.52	18.58	-22.45	1.80	45.19	-67.68	-49.37	26.88	-41.62
		690	277.53	17.11	-24.24	16.52	-23.66	4.89	63.45	-45.93	-45.48	63.00	-7.00
		353	749.00	26.06	8.57	17.23	17.40	8.74	-15.56	-286.55	-284.20	-17.91	25.14
631	8	381	557.50	24.01	-0.66	17.33	6.02	10.96	-36.62	-220.90	-220.75	-36.78	-5.38
		688	233.57	16.41	-35.49	16.41	-35.49	-2.84e-03	37.60	-53.50	-41.10	25.20	-31.24
		690	240.49	17.06	-37.15	16.84	-36.93	3.47	49.90	-40.34	-40.08	49.64	-4.88
		353	586.94	22.30	3.69	18.52	7.46	7.48	-10.24	-221.83	-219.73	-12.34	20.98
631	9	381	517.60	22.06	3.18	14.63	10.61	9.22	-38.70	-207.48	-207.16	-39.02	-7.36
		688	199.81	13.27	-18.43	13.17	-18.34	1.73	32.51	-47.63	-33.99	18.88	-30.11
		690	198.40	11.66	-19.74	11.13	-19.22	4.02	46.67	-30.82	-30.45	46.30	-5.34
		353	537.30	18.43	4.56	11.49	11.49	6.93	-10.03	-205.19	-203.62	-11.60	17.42
631	10	381	525.02	21.71	-0.27	15.46	5.98	9.91	-36.67	-209.01	-208.75	-36.93	-6.67

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		688	206.99	14.07	-28.37	14.05	-28.34	0.97	33.95	-47.60	-34.61	20.97	-29.84
		690	211.29	12.88	-29.77	12.55	-29.44	3.74	48.38	-31.65	-31.32	48.05	-5.13
		353	547.10	17.98	2.39	13.29	7.07	7.15	-8.20	-207.11	-205.46	-9.85	18.04
631	11	381	532.68	21.41	8.16	13.40	16.17	6.48	-33.02	-212.01	-211.16	-33.88	-12.34
		688	224.59	66.00	6.50	12.79	59.71	18.29	42.50	-52.81	-36.17	25.86	-36.18
		690	239.39	65.08	4.12	7.72	61.48	14.37	54.92	-34.57	-33.29	53.65	-10.60
		353	554.09	20.92	-2.17	4.35	14.41	10.39	-5.22	-209.15	-208.29	-6.09	13.24
632	1	353	786.29	23.85	13.92	18.89	18.88	-4.97	25.78	-278.53	-273.14	20.39	40.12
		690	247.31	24.06	-0.04	21.76	2.26	-7.08	79.66	-16.95	-16.51	79.22	6.52
		804	206.40	8.04	-8.48	-2.73	2.29	-7.87	-1.46	-75.06	-27.91	-48.61	35.31
		407	737.28	19.79	0.22	1.16	18.85	-4.17	-83.79	-308.19	-284.54	-107.44	68.91
632	2	353	791.11	22.59	12.80	19.24	16.14	-4.64	27.58	-278.92	-273.43	22.10	40.64
		690	257.97	23.81	-7.88	22.03	-6.11	-7.29	81.36	-17.31	-16.81	80.87	6.98
		804	204.43	4.04	-13.18	-3.23	-5.91	-8.51	-0.79	-74.63	-28.31	-47.11	35.70
		407	739.24	16.70	0.16	0.91	15.95	-3.43	-82.16	-308.66	-284.94	-105.88	69.36
632	3	353	804.23	21.77	12.54	20.13	14.19	-3.53	29.33	-282.51	-276.96	23.79	41.20
		690	270.18	24.16	-15.34	22.96	-14.14	-6.78	83.88	-17.41	-16.97	83.45	6.62
		804	204.07	0.82	-18.65	-4.04	-13.79	-8.43	-2.05	-76.00	-29.53	-48.52	35.74
		407	749.78	14.09	0.24	0.50	13.83	-1.88	-84.11	-313.59	-289.52	-108.18	70.32
632	4	353	831.23	27.15	9.27	22.54	13.88	-7.83	36.49	-287.60	-283.61	32.50	35.74
		690	392.77	196.01	28.77	29.23	195.55	197.01	92.80	-18.82	-18.32	92.30	-7.47
		804	234.34	192.76	21.15	24.28	189.63	22.95	-25.36	-66.10	-41.45	-50.01	19.92
		407	794.34	42.01	-2.02	20.18	19.81	-22.01	-91.31	-325.24	-306.74	-109.81	63.13
632	5	353	878.35	26.15	-2.09	25.72	-1.66	-3.45	49.06	-295.24	-290.74	44.56	39.12
		690	395.41	144.52	31.27	32.10	143.70	9.65	105.50	-21.52	-21.19	105.17	-6.49
		804	197.12	142.48	17.10	20.77	138.80	21.15	-24.38	-66.26	-47.43	-43.21	20.83
		407	824.13	27.68	-5.91	18.53	3.23	-14.95	-84.80	-336.00	-316.99	-103.81	66.44
632	6	353	825.05	27.00	7.66	25.80	8.85	4.66	38.56	-283.65	-279.59	34.51	35.94
		690	359.03	142.29	29.11	31.56	139.84	16.46	91.98	-22.99	-22.65	91.64	-6.28
		804	189.53	141.42	15.28	21.27	135.43	26.83	-24.60	-63.50	-45.19	-42.91	19.42
		407	777.94	22.71	9.82	19.26	13.26	-5.71	-82.73	-319.45	-302.13	-100.04	61.64
632	7	353	787.76	24.31	13.05	18.85	18.52	-5.63	25.90	-278.91	-273.47	20.46	40.33
		690	245.99	24.58	2.05	21.76	4.87	-7.46	79.94	-16.70	-16.24	79.49	6.63
		804	208.30	10.02	-7.56	-2.35	4.81	-8.03	-1.17	-75.27	-27.70	-48.74	35.53
		407	739.31	19.95	0.02	1.40	18.57	-5.06	-83.92	-308.78	-284.93	-107.76	69.23
632	8	353	613.06	19.49	9.31	17.78	11.01	-3.80	19.27	-216.40	-212.19	15.06	31.21
		690	206.09	21.66	-12.13	20.40	-10.88	-6.38	59.40	-18.79	-18.20	58.81	6.79
		804	160.81	1.27	-15.50	-3.56	-10.67	-7.60	-2.74	-60.00	-25.61	-37.13	28.04
		407	567.91	11.41	-0.22	0.39	10.80	-2.59	-63.27	-237.21	-219.61	-80.87	52.46
632	9	353	566.70	15.66	9.68	12.45	12.89	-2.98	20.66	-199.83	-195.94	16.76	29.04
		690	179.89	15.63	-0.53	14.28	0.82	-4.47	60.33	-8.93	-8.73	60.13	3.78
		804	146.30	4.82	-5.67	-1.73	0.88	-5.08	-0.14	-53.01	-18.17	-34.98	25.06
		407	532.86	13.28	0.39	0.84	12.83	-2.37	-60.83	-222.90	-205.38	-78.35	50.32
632	10	353	576.70	14.32	9.10	13.14	10.28	-2.18	22.63	-202.04	-198.06	18.65	29.64
		690	192.70	15.72	-9.07	14.95	-8.29	-4.31	62.68	-9.19	-8.98	62.47	3.84
		804	144.77	0.82	-11.33	-2.46	-8.05	-5.39	-0.49	-53.52	-19.07	-34.93	25.30
		407	539.82	10.17	0.35	0.48	10.04	-1.10	-61.01	-225.90	-208.15	-78.76	51.10
632	11	353	588.19	16.88	6.73	16.29	7.32	2.37	27.75	-202.66	-199.52	24.61	26.72
		690	240.47	78.51	18.47	19.73	77.25	8.61	67.16	-12.28	-12.14	67.02	-3.33
		804	131.36	77.88	8.56	11.60	74.84	14.19	-13.44	-46.15	-27.77	-31.82	16.23
		407	554.88	13.59	7.04	10.90	9.73	-3.22	-60.39	-229.00	-215.16	-74.23	46.28
633	1	407	577.99	30.54	4.49	9.32	25.71	10.13	-33.19	-230.06	-222.56	-40.69	37.67
		804	160.80	10.78	-7.42	10.75	-7.40	0.69	-23.27	-65.76	-61.81	-27.22	-12.34
		691	317.07	27.49	-9.39	27.07	-8.97	3.93	-2.91	-112.55	-106.02	-9.45	-25.96
		354	703.22	36.08	21.90	30.71	27.27	6.88	-20.57	-269.12	-266.77	-22.92	24.05
633	2	407	580.50	29.58	3.82	10.45	22.96	11.26	-31.32	-230.58	-222.95	-38.95	38.24
		804	163.01	11.75	-14.87	11.74	-14.86	0.54	-21.96	-65.77	-62.14	-25.58	-12.07
		691	323.20	28.39	-16.99	28.00	-16.60	4.19	-1.91	-113.26	-106.88	-8.29	-25.89
		354	708.54	36.66	19.86	31.82	24.70	7.61	-19.26	-270.08	-267.68	-21.66	24.42
633	3	407	591.07	35.49	3.50	12.74	26.25	14.50	-33.76	-235.36	-227.77	-41.36	38.39
		804	167.44	13.63	-21.55	13.60	-21.52	1.11	-23.25	-67.13	-62.88	-27.50	-12.98
		691	327.36	29.42	-24.18	28.83	-23.59	5.59	-5.97	-115.77	-108.73	-13.01	-26.91
		354	717.82	40.87	20.33	32.87	28.33	10.02	-24.47	-276.02	-273.62	-26.87	24.46
633	4	407	636.67	36.81	-20.85	-16.71	32.67	-14.88	-34.88	-248.49	-244.02	-39.35	30.58
		804	253.00	179.87	-16.20	-13.14	176.81	24.27	-12.03	-85.98	-72.35	-25.66	-28.67
		691	447.35	182.79	-17.23	-16.52	182.09	11.82	0.87	-144.88	-129.10	-14.91	-45.28
		354	792.07	27.51	-22.62	-22.50	27.39	-2.43	-27.89	-301.49	-300.77	-28.60	13.97
633	5	407	669.38	23.20	-9.73	-8.82	22.29	-5.40	-26.42	-259.36	-254.31	-31.46	33.91
		804	256.93	136.12	-11.02	-6.82	131.92	24.53	-5.53	-89.37	-77.02	-17.88	-29.72
		691	461.39	137.51	-15.79	-14.32	136.04	14.93	2.63	-156.39	-140.21	-13.55	-48.08
		354	834.78	18.62	-20.05	-19.59	18.16	4.20	-26.30	-318.33	-317.50	-27.13	15.56
633	6	407	633.10	17.39	-10.14	-9.82	17.07	-2.97	-22.75	-244.16	-239.34	-27.58	32.33

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		804	255.08	136.99	-12.92	-7.42	131.48	28.20	-3.82	-87.16	-76.06	-14.91	-28.31
		691	463.43	137.94	-15.27	-13.07	135.74	18.24	12.19	-150.71	-136.79	-1.74	-45.55
		354	801.59	14.31	-19.75	-18.24	12.81	6.99	-13.61	-300.86	-300.06	-14.41	15.10
633	7	407	578.59	29.87	4.70	9.06	25.51	9.53	-33.39	-230.40	-222.84	-40.95	37.84
		804	159.87	10.58	-5.21	10.55	-5.18	0.74	-23.61	-65.56	-61.66	-27.50	-12.17
		691	315.04	27.27	-7.08	26.85	-6.66	3.78	-3.31	-112.30	-105.77	-9.84	-25.86
		354	703.29	35.40	21.99	30.40	27.00	6.48	-20.92	-269.32	-266.95	-23.29	24.14
633	8	407	452.65	27.66	3.10	10.01	20.76	11.04	-24.48	-179.68	-173.78	-30.38	29.68
		804	133.04	10.83	-17.95	10.83	-17.95	0.17	-17.22	-52.89	-50.18	-19.93	-9.45
		691	257.48	24.40	-19.98	24.07	-19.65	3.82	-5.30	-90.96	-86.00	-10.26	-20.01
		354	551.36	32.77	17.16	27.48	22.46	7.39	-18.79	-211.52	-209.60	-20.71	19.12
633	9	407	414.71	21.79	2.99	6.77	18.02	7.53	-24.60	-165.40	-160.06	-29.94	26.91
		804	113.10	7.73	-5.32	7.67	-5.26	0.91	-16.99	-46.33	-43.10	-20.22	-9.19
		691	224.38	18.83	-6.74	18.43	-6.34	3.18	-1.68	-79.58	-74.57	-6.68	-19.10
		354	504.08	25.33	14.66	20.89	19.10	5.26	-14.77	-193.17	-191.53	-16.41	16.99
633	10	407	421.97	24.56	2.43	8.66	18.32	9.96	-24.91	-168.35	-162.95	-30.32	27.31
		804	116.61	9.31	-13.16	9.25	-13.10	1.15	-16.97	-47.10	-43.69	-20.38	-9.54
		691	230.11	19.90	-14.96	19.41	-14.47	4.10	-3.36	-81.38	-76.08	-8.66	-19.63
		354	512.18	28.00	13.78	22.09	19.69	7.00	-16.94	-197.00	-195.34	-18.60	17.22
633	11	407	444.81	13.22	-3.87	-3.87	13.22	0.25	-18.85	-173.19	-169.38	-22.66	23.94
		804	158.05	75.27	-5.80	-2.43	71.90	16.19	-6.12	-58.29	-51.02	-13.38	-18.06
		691	298.78	75.61	-5.42	-3.86	74.05	11.12	6.73	-100.80	-91.67	-2.40	-29.98
		354	556.21	12.57	-7.81	-6.31	11.07	5.32	-10.95	-210.75	-210.03	-11.68	12.02
634	1	354	775.00	35.59	19.82	22.67	32.73	6.08	-5.56	-292.10	-286.98	-10.68	37.97
		691	184.38	27.31	12.28	26.49	13.10	3.42	49.97	-26.53	-25.70	49.15	7.90
		805	225.76	13.45	-5.18	-4.83	13.10	2.53	-2.54	-84.88	-28.25	59.17	38.16
		125	747.98	34.16	-1.17	0.26	32.73	6.97	-95.06	-313.46	-289.52	-119.00	68.23
634	2	354	780.85	34.39	18.65	22.83	30.21	6.95	-4.20	-293.43	-288.28	-9.36	38.26
		691	192.44	27.28	6.17	26.52	6.94	3.95	51.57	-26.77	-25.95	50.75	7.98
		805	223.26	7.68	-5.44	-4.82	7.06	2.77	-2.52	-84.89	-28.74	-58.67	38.37
		125	752.64	32.17	-1.70	0.38	30.09	8.13	-94.77	-315.08	-291.07	-118.78	68.65
634	3	354	787.81	40.86	17.80	22.12	36.54	8.99	-9.57	-299.56	-294.45	-14.69	38.16
		691	186.21	26.64	1.70	25.61	2.74	4.97	47.98	-27.08	-26.30	47.19	7.64
		805	235.24	4.01	-7.70	-6.89	3.20	2.97	-3.26	-89.29	-28.53	-64.02	39.18
		125	767.78	39.08	-4.22	-1.23	36.08	10.99	-101.06	-321.52	-296.68	-125.90	69.70
634	4	354	849.06	65.74	3.85	16.46	53.14	-24.93	-6.29	-320.16	-318.55	-7.91	22.43
		691	309.60	177.51	23.24	24.51	176.24	-13.95	47.01	-45.06	-44.30	46.25	-8.35
		805	258.70	171.54	-1.59	-1.52	171.47	-3.55	-35.57	-72.66	-44.79	-63.44	16.03
		125	783.07	74.41	-17.69	-1.19	57.91	-35.33	-107.25	-329.39	-319.04	-117.60	46.81
634	5	354	906.34	58.36	4.14	14.04	48.47	-20.94	-2.76	-339.61	-338.03	-4.34	23.05
		691	316.89	141.49	19.78	21.18	140.09	-12.98	54.43	-49.90	-48.85	53.38	-10.40
		805	243.25	136.55	-6.37	-6.19	136.37	-5.06	-41.26	-75.66	-51.24	-65.68	15.61
		125	830.11	64.25	-16.85	-4.78	52.19	-28.86	-112.83	-350.99	-340.42	-123.40	49.06
634	6	354	873.76	45.48	3.22	17.29	31.40	-19.92	9.98	-321.08	-319.47	8.37	23.02
		691	336.54	142.55	23.89	24.76	141.68	-10.13	60.77	-52.41	-51.67	60.04	-9.09
		805	202.37	137.37	-0.32	-0.32	137.37	-0.77	-37.60	-64.94	-54.99	-47.55	13.15
		125	796.88	52.20	-16.25	0.23	35.72	-29.27	-90.40	-331.60	-322.78	-99.22	45.26
634	7	354	775.00	35.66	20.00	22.75	32.91	5.95	-5.99	-292.29	-287.16	-11.13	38.00
		691	181.78	27.56	14.00	26.61	14.95	3.46	49.66	-26.17	-25.32	48.80	8.02
		805	228.49	15.26	-5.02	-4.65	14.89	2.70	-2.27	-85.53	-27.72	-60.08	38.35
		125	747.78	34.30	-0.94	0.39	32.97	6.71	-95.90	-313.67	-289.56	-120.02	68.34
634	8	354	601.52	30.96	16.01	18.92	28.05	5.92	-10.15	-229.42	-225.52	-14.05	29.00
		691	145.01	22.39	1.86	22.01	2.24	2.77	32.38	-25.94	-24.96	31.39	7.51
		805	181.62	2.73	-5.97	-5.77	2.53	1.31	-3.97	-69.87	-24.67	-49.18	30.59
		125	581.08	29.54	-2.80	-1.01	27.76	7.38	-76.40	-243.45	-225.23	-94.62	52.08
634	9	354	557.69	25.93	12.91	15.22	23.62	4.97	-2.64	-209.89	-206.22	-6.31	27.34
		691	131.35	18.67	7.92	17.72	8.86	3.04	38.23	-15.98	-15.55	37.81	4.79
		805	161.65	9.34	-3.73	-3.30	8.91	2.31	-0.83	-60.45	-18.37	-42.91	27.17
		125	540.96	24.88	-1.15	0.16	23.56	5.70	-69.33	-226.73	-209.03	-87.03	49.72
634	10	354	564.77	28.85	11.80	14.91	25.73	6.59	-4.87	-214.04	-210.37	-8.53	27.45
		691	132.43	18.24	2.10	17.24	3.10	3.90	37.13	-16.29	-15.88	36.72	4.64
		805	167.08	4.17	-5.21	-4.45	3.41	2.56	-1.20	-62.93	-18.52	-45.61	27.74
		125	551.99	27.65	-2.89	-0.67	25.42	7.93	-72.66	-231.21	-213.01	-90.86	50.54
634	11	354	612.32	28.42	6.69	12.23	22.88	-9.47	5.85	-225.84	-224.27	4.28	19.03
		691	215.01	80.61	16.45	16.77	80.29	-4.49	44.15	-30.27	-29.98	43.86	-4.65
		805	143.41	77.95	-0.80	-0.80	77.95	0.48	-21.46	-48.21	-33.22	-36.46	13.28
		125	564.17	31.81	-6.44	0.15	25.22	-14.44	-67.50	-236.05	-227.51	-76.04	36.96
635	1	125	576.82	36.78	1.31	3.17	34.91	7.92	-41.85	-231.10	-220.95	-52.00	42.64
		805	173.03	3.89	1.73	2.19	3.44	-0.88	-30.38	-74.17	-67.85	-36.69	-15.39
		692	342.13	3.97	0.14	1.88	2.23	1.90	-5.48	-130.42	-123.94	-11.96	-27.70
		358	728.42	36.90	2.33	3.11	36.12	5.13	-23.64	-280.67	-277.04	-27.26	30.32
635	2	125	580.88	36.61	1.52	4.62	33.51	9.96	-41.46	-232.62	-222.43	-51.64	42.92

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		805	175.32	3.58	-1.25	3.57	-1.23	0.24	-30.05	-74.61	-68.29	-36.37	-15.55
		692	347.47	4.96	-4.03	3.50	-2.57	3.32	-6.10	-131.64	-124.98	-12.75	-28.12
		358	731.86	36.35	3.39	4.89	34.84	6.87	-24.41	-282.74	-279.13	-28.02	30.35
635	3	125	589.15	44.45	1.55	5.26	40.75	12.05	-48.23	-237.58	-227.28	-58.53	42.95
		805	176.78	4.10	-5.27	4.03	-5.19	-0.83	-34.97	-75.95	-68.67	-42.25	-15.66
		692	342.06	5.81	-7.82	4.97	-6.99	3.27	-11.31	-131.24	-124.53	-18.02	-27.57
		358	736.87	44.23	5.27	6.97	42.54	7.95	-30.49	-286.95	-283.14	-34.31	31.05
635	4	125	639.01	74.37	-49.56	-34.10	58.91	-40.95	-51.21	-249.10	-247.51	-52.80	17.70
		805	310.68	140.25	-31.90	-29.73	138.08	-19.22	-18.35	-106.18	-85.75	-38.78	-37.10
		692	491.00	144.96	-20.36	-16.20	140.81	-25.88	11.29	-152.40	-134.35	-6.76	-51.27
		358	792.70	69.69	-30.86	-17.36	56.19	-34.28	-20.74	-296.15	-296.11	-20.78	3.53
635	5	125	685.70	72.12	-38.64	-28.36	61.84	-32.13	-55.05	-269.04	-267.55	-56.54	17.78
		805	324.34	110.21	-27.59	-24.65	107.28	-19.91	-18.28	-114.87	-91.99	-41.15	-41.07
		692	499.77	113.18	-13.37	-8.84	108.65	-23.52	6.64	-165.33	-144.51	-14.18	-56.10
		358	840.70	70.76	-18.58	-8.30	60.47	-28.52	-29.54	-320.10	-320.07	-29.57	2.75
635	6	125	666.67	50.87	-45.50	-30.15	35.52	-35.26	-29.24	-253.80	-252.07	-30.97	19.61
		805	348.81	112.23	-27.54	-26.00	110.68	-14.63	-0.09	-111.68	-94.01	-17.75	-40.73
		692	556.42	116.66	-16.54	-13.16	113.27	-20.96	28.44	-170.67	-152.89	10.67	-56.78
		358	846.55	46.67	-28.00	-14.26	32.94	-28.93	-2.51	-310.99	-310.95	-2.55	3.56
635	7	125	575.78	38.05	1.34	3.23	36.16	8.11	-43.28	-231.15	-221.01	-53.41	42.44
		805	172.35	5.36	2.21	2.30	5.27	-0.53	-31.60	-73.87	-67.38	-38.09	-15.24
		692	337.22	5.56	0.75	2.22	4.09	2.21	-7.05	-129.34	-122.81	-13.59	-27.51
		358	724.96	38.18	2.63	3.46	37.34	5.37	-25.29	-280.06	-276.44	-28.91	30.16
635	8	125	451.12	34.83	1.45	4.18	32.09	9.16	-35.64	-181.41	-173.39	-43.67	33.24
		805	137.96	3.61	-5.53	3.40	-5.32	-1.38	-26.51	-59.23	-54.47	-31.26	-11.54
		692	268.44	5.91	-7.13	5.59	-6.81	2.00	-9.46	-102.83	-98.10	-14.19	-20.47
		358	563.80	34.80	6.22	7.44	33.58	5.78	-23.54	-220.07	-217.02	-26.59	24.31
635	9	125	413.51	26.39	0.84	2.32	24.91	5.97	-31.32	-166.15	-158.96	-38.52	30.31
		805	122.75	2.83	1.53	1.55	2.80	-0.19	-22.38	-52.60	-47.48	-27.50	-11.34
		692	241.46	3.24	-0.45	0.81	1.97	1.75	-3.71	-92.05	-87.11	-8.64	-20.29
		358	522.11	26.40	0.94	1.60	25.74	4.03	-17.15	-201.11	-198.59	-19.66	21.36
635	10	125	420.39	30.66	0.97	3.48	28.15	8.27	-34.87	-169.75	-162.47	-42.15	30.49
		805	124.98	2.58	-2.00	2.58	-1.99	-0.16	-24.86	-53.65	-47.93	-30.59	-11.49
		692	241.43	3.48	-4.10	2.53	-3.15	2.51	-6.93	-92.51	-87.44	-12.01	-20.21
		358	526.79	30.48	2.57	3.74	29.31	5.60	-20.96	-204.59	-201.98	-23.57	21.76
635	11	125	459.83	31.98	-22.93	-16.19	25.25	-18.01	-24.81	-178.27	-176.24	-26.84	17.52
		805	214.24	63.18	-14.90	-14.10	62.39	-7.83	-5.54	-73.45	-62.01	-16.98	-25.42
		692	359.01	65.30	-9.19	-7.54	63.66	-10.95	15.15	-114.41	-103.19	3.93	-36.44
		358	585.39	29.83	-13.91	-8.05	23.97	-14.89	-5.73	-217.63	-217.43	-5.93	6.49
636	1	358	814.17	35.38	-4.08	4.93	26.38	-16.56	6.73	-301.29	-296.30	1.74	38.90
		692	227.77	31.86	-5.52	8.24	18.11	-18.02	56.56	-39.02	-38.81	56.35	4.46
		806	200.52	25.72	-24.05	-16.19	17.87	-18.14	-15.09	-74.87	-44.87	-45.08	29.89
		284	774.72	32.64	-18.31	-12.30	26.62	-16.44	-81.01	-321.05	-302.35	-99.70	64.33
636	2	358	819.78	33.76	-1.20	5.81	26.75	-13.99	5.56	-303.95	-299.00	0.61	38.83
		692	225.13	28.50	-3.68	9.12	15.70	-15.75	56.31	-38.92	-38.75	56.13	4.06
		806	201.96	22.29	-22.78	-16.03	15.55	-16.08	-16.48	-76.66	-45.05	-48.09	30.05
		284	781.44	31.24	-16.26	-11.94	26.91	-13.66	-84.58	-324.34	-305.31	-103.62	64.82
636	3	358	823.14	37.47	0.07	5.37	32.17	-13.05	-0.11	-307.35	-302.10	-5.36	39.82
		692	210.86	26.03	-5.55	8.34	12.15	-15.67	51.66	-38.74	-38.38	51.31	5.66
		806	212.12	19.96	-24.38	-16.74	12.32	-16.74	-13.83	-79.34	-42.94	-50.24	32.55
		284	787.80	35.02	-15.42	-12.39	32.00	-11.98	-86.67	-326.89	-306.66	-106.90	66.71
636	4	358	849.23	91.54	-34.44	4.55	52.54	-58.24	1.30	-312.83	-312.36	0.82	12.18
		692	336.29	138.34	-10.13	12.16	116.05	-53.03	55.27	-55.58	-53.25	52.94	-15.91
		806	184.53	127.58	-37.93	-23.29	112.94	-46.99	-34.76	-54.57	-49.69	-39.64	8.54
		284	760.60	92.44	-56.66	-19.87	55.65	-64.28	-85.74	-314.81	-308.80	-91.75	36.63
636	5	358	911.38	91.61	-23.64	5.45	62.52	-50.06	-7.28	-339.48	-339.08	-7.68	11.57
		692	331.60	115.91	-9.96	12.41	93.54	-48.12	56.19	-58.66	-55.32	52.86	-19.28
		806	200.78	106.49	-41.81	-26.85	91.53	-44.66	-41.53	-62.54	-52.16	-51.91	10.50
		284	823.18	90.10	-47.47	-21.90	64.53	-53.52	-105.05	-343.32	-335.92	-112.45	41.35
636	6	358	924.35	75.88	-37.61	8.58	29.70	-55.76	23.69	-332.75	-332.37	23.31	11.74
		692	409.98	119.95	-8.09	16.38	95.47	-50.35	81.08	-67.56	-64.25	77.77	-21.92
		806	195.86	107.54	-35.13	-19.86	92.27	-44.11	-23.90	-67.75	-67.58	-24.08	2.77
		284	834.03	74.98	-58.47	-16.39	32.90	-62.00	-73.49	-340.75	-335.69	-78.55	36.43
636	7	358	809.46	36.32	-2.84	5.21	28.27	-15.83	4.50	-300.48	-295.48	-0.50	38.72
		692	221.64	32.60	-3.87	8.55	20.18	-17.28	54.36	-38.25	-38.01	54.11	4.77
		806	203.54	26.95	-23.09	-16.06	19.92	-17.38	-15.01	-75.72	-43.43	-47.31	30.29
		284	770.42	33.90	-17.52	-12.14	28.53	-15.73	-82.98	-319.84	-300.90	-101.91	64.24
636	8	358	625.49	29.99	0.73	5.92	24.80	-11.18	-2.90	-235.53	-231.48	-6.94	30.41
		692	164.22	22.31	-4.23	8.61	9.47	-13.27	35.04	-34.77	-34.23	34.50	6.12
		806	167.30	16.18	-20.06	-13.42	9.54	-14.02	-11.38	-62.71	-35.72	-38.37	25.63
		284	597.54	27.65	-12.58	-9.67	24.74	-10.42	-64.98	-247.80	-232.97	-79.82	49.92
636	9	358	586.25	24.65	-2.60	2.82	19.23	-10.87	5.83	-216.12	-212.55	2.26	27.93

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		692	162.92	21.44	-3.68	4.97	12.79	-11.94	42.71	-24.84	-24.76	42.63	2.34
		806	142.24	17.73	-16.23	-11.17	12.67	-12.10	-10.24	-52.93	-29.98	-33.19	21.28
		284	558.27	22.99	-12.21	-8.57	19.35	-10.71	-59.67	-231.66	-217.77	-73.57	46.87
636	10	358	591.19	25.93	-0.42	3.06	22.44	-8.92	2.03	-219.49	-215.77	-1.68	28.44
		692	153.28	18.11	-3.61	5.02	9.48	-10.63	39.97	-24.66	-24.52	39.83	3.01
		806	148.96	14.52	-16.40	-11.47	9.59	-11.32	-9.44	-55.52	-28.91	-36.06	22.76
		284	565.61	24.40	-10.68	-8.62	22.34	-8.24	-62.81	-234.92	-220.16	-77.56	48.19
636	11	358	644.95	46.60	-20.69	4.84	21.07	-32.65	14.91	-233.25	-232.59	14.24	12.83
		692	262.61	70.44	-5.17	9.49	55.77	-29.90	56.13	-40.49	-38.89	54.53	-12.32
		806	115.92	63.20	-22.41	-13.21	54.00	-26.52	-19.83	-44.29	-42.60	-21.52	6.22
		284	586.43	45.77	-33.77	-10.85	22.84	-36.03	-56.35	-241.76	-236.29	-61.81	31.37
637	1	284	628.54	32.18	-31.50	-17.02	17.70	-26.69	-21.79	-243.06	-235.92	-28.93	39.09
		806	248.90	21.01	-51.30	-16.45	-13.85	-36.13	-5.38	-85.40	-78.95	-11.83	-21.78
		693	444.29	22.45	-44.08	-6.23	-15.40	-32.95	32.54	-143.01	-136.51	26.03	-33.17
		362	809.20	39.91	-23.95	-3.29	19.25	-29.87	11.45	-296.00	-293.48	8.93	27.71
637	2	284	632.52	32.81	-25.74	-15.01	22.09	-22.65	-26.12	-246.06	-238.93	-33.24	38.95
		806	245.60	19.11	-47.83	-14.54	-14.18	-33.47	-8.52	-86.28	-79.14	-15.67	-22.47
		693	435.37	20.49	-40.38	-3.95	-15.94	-29.84	27.02	-144.08	-137.16	20.10	-33.71
		362	809.83	40.56	-17.46	-0.75	23.85	-26.27	5.06	-299.49	-296.95	2.52	27.70
637	3	284	630.49	32.15	-26.01	-14.93	21.07	-22.84	-27.31	-246.15	-238.24	-35.22	40.85
		806	236.82	18.19	-50.91	-14.57	-18.15	-34.50	-11.80	-84.64	-78.73	-17.71	-19.88
		693	426.84	19.52	-43.72	-4.19	-20.02	-30.61	27.57	-141.19	-135.29	21.66	-31.02
		362	807.23	40.29	-18.25	-0.89	22.94	-26.73	7.07	-297.71	-294.79	4.14	29.72
637	4	284	653.68	79.22	-82.89	-41.96	38.29	-70.43	-22.06	-241.36	-240.73	-22.70	11.78
		806	384.24	86.41	-75.05	-37.03	48.38	-68.51	12.96	-105.45	-87.22	-5.27	-42.73
		693	551.52	94.45	-53.31	-6.90	48.03	-68.59	53.47	-149.72	-135.44	39.19	-51.94
		362	820.34	91.31	-55.33	-2.66	38.64	-70.36	21.78	-288.96	-288.94	21.75	2.57
637	5	284	695.70	82.94	-61.10	-34.08	55.92	-56.23	-40.03	-265.52	-264.74	-40.81	13.26
		806	382.00	72.37	-70.21	-29.14	31.30	-64.57	3.56	-114.20	-91.63	-19.01	-46.35
		693	528.23	80.91	-43.42	8.14	29.35	-61.26	36.57	-160.09	-144.10	20.57	-53.76
		362	855.12	99.71	-26.86	14.98	57.87	-59.54	-1.12	-317.32	-317.21	-1.23	5.86
637	6	284	737.59	60.36	-80.84	-37.94	17.46	-64.94	-1.53	-266.69	-265.99	-2.22	13.56
		806	460.03	71.32	-67.97	-32.72	36.07	-60.56	35.51	-123.84	-103.52	15.20	-53.15
		693	665.70	81.16	-47.59	-2.51	36.07	-61.42	66.62	-189.04	-170.51	48.09	-66.29
		362	940.01	74.00	-55.17	1.38	17.45	-64.09	30.67	-332.98	-332.98	30.67	0.42
637	7	284	622.07	33.67	-29.83	-16.69	20.53	-25.72	-24.77	-241.65	-234.50	-31.91	38.71
		806	242.51	21.55	-49.23	-16.14	-11.54	-35.32	-8.38	-84.29	-77.80	-14.87	-21.24
		693	432.64	22.76	-41.81	-5.93	-13.12	-32.08	29.56	-140.35	-133.91	23.12	-32.44
		362	798.40	41.12	-21.98	-2.96	22.10	-28.95	8.61	-293.15	-290.62	6.08	27.50
637	8	284	483.45	25.24	-20.39	-11.55	16.40	-18.03	-19.21	-188.04	-181.82	-25.42	31.80
		806	185.21	14.36	-40.83	-11.10	-15.37	-27.51	-8.10	-66.13	-62.20	-12.03	-14.58
		693	331.34	16.24	-34.77	-1.61	-16.91	-24.33	21.23	-110.38	-106.28	17.13	-22.87
		362	618.59	32.38	-13.22	1.22	17.94	-21.21	6.12	-228.28	-225.90	3.74	23.51
637	9	284	448.58	22.70	-21.44	-11.79	13.05	-18.24	-17.41	-174.24	-169.17	-22.47	27.74
		806	174.28	14.63	-35.08	-11.47	-8.98	-24.82	-5.23	-60.30	-55.26	-10.27	-15.88
		693	313.49	15.30	-30.23	-4.88	-10.05	-22.61	22.64	-100.87	-95.92	17.69	-24.22
		362	577.68	27.76	-16.55	-2.91	14.12	-20.45	7.22	-211.57	-209.83	5.49	19.39
637	10	284	449.70	22.71	-18.41	-10.62	14.92	-16.11	-20.48	-175.95	-170.45	-25.97	28.71
		806	167.71	13.02	-34.82	-10.43	-11.37	-23.92	-8.79	-59.88	-55.14	-13.54	-14.83
		693	303.75	13.59	-29.95	-3.74	-12.62	-21.32	19.87	-99.85	-95.25	15.26	-23.03
		362	576.58	28.00	-13.41	-1.58	16.17	-18.71	4.78	-212.51	-210.56	2.83	20.51
637	11	284	505.78	38.22	-48.72	-23.41	12.92	-39.49	-6.61	-186.90	-185.87	-7.64	13.55
		806	289.57	42.24	-44.00	-20.51	18.75	-38.39	17.57	-81.74	-68.91	4.74	-33.31
		693	435.89	47.75	-32.02	-2.81	18.54	-38.43	41.56	-126.43	-114.81	29.94	-42.63
		362	648.39	46.43	-33.62	-0.32	13.12	-39.46	17.64	-231.85	-231.78	17.56	4.23
638	1	362	957.95	41.42	-77.88	-2.04	-34.42	-57.41	57.66	-316.83	-313.34	54.17	36.00
		693	404.96	42.64	-75.42	-1.60	-31.18	-57.15	115.87	-42.94	-42.93	115.86	1.01
		807	313.14	41.02	-75.97	-3.60	-31.35	-56.82	60.19	-51.83	-42.00	50.35	31.70
		288	908.06	40.94	-78.58	-3.40	-34.25	-57.74	2.78	-326.52	-312.40	-11.34	66.70
638	2	362	952.98	40.52	-69.00	-0.72	-27.76	-53.07	50.70	-320.50	-316.97	47.18	36.02
		693	387.76	40.79	-69.35	-0.18	-28.38	-53.23	110.00	-42.79	-42.78	110.00	0.86
		807	296.93	38.43	-70.76	-3.88	-28.45	-53.20	53.75	-52.49	-41.56	42.82	32.28
		288	903.41	38.99	-69.98	-3.29	-27.69	-53.10	-5.35	-330.39	-315.74	-20.00	67.44
638	3	362	952.14	39.05	-73.31	-1.30	-32.96	-53.90	53.15	-317.69	-313.77	49.23	37.91
		693	393.44	39.38	-73.10	-0.96	-32.76	-53.94	110.68	-42.39	-42.29	110.58	3.81
		807	309.36	37.91	-73.85	-3.13	-32.82	-53.87	58.15	-51.89	-39.86	46.11	34.35
		288	902.36	38.18	-73.88	-2.80	-32.91	-53.97	-0.18	-326.39	-311.33	-15.24	68.44
638	4	362	914.60	84.34	-99.25	-0.04	-14.86	-91.50	51.09	-307.92	-307.64	50.80	10.05
		693	415.38	91.08	-89.70	2.09	-0.71	-90.38	111.73	-52.77	-51.77	110.74	-12.74
		807	298.16	84.12	-93.88	-8.27	-1.50	-88.93	65.87	-40.12	-36.28	62.03	19.81
		288	838.95	82.42	-103.60	-7.12	-14.07	-92.95	8.13	-298.19	-292.15	2.09	42.60
638	5	362	959.46	78.84	-69.64	6.87	2.33	-74.21	31.02	-338.06	-337.42	30.38	15.34

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		693	378.23	76.50	-75.90	8.86	-8.27	-75.72	101.45	-53.52	-52.50	100.43	-12.52
		807	282.22	68.65	-83.82	-6.95	-8.22	-76.23	50.60	-46.57	-39.02	43.06	26.01
		288	891.64	72.82	-74.71	-4.18	2.29	-73.69	-17.52	-333.41	-323.94	-26.99	53.87
638	6	362	1086.66	76.20	-93.87	5.86	-23.53	-83.76	66.07	-362.49	-362.37	65.95	7.25
		693	527.02	85.71	-79.24	9.47	-3.00	-82.24	142.14	-70.30	-66.35	138.18	-28.72
		807	306.41	73.51	-86.67	-8.94	-4.23	-80.06	56.66	-64.88	-64.16	55.94	9.37
		288	991.28	71.77	-100.82	-6.75	-22.30	-85.94	-10.42	-366.06	-360.18	-16.30	45.34
638	7	362	940.42	41.69	-74.56	-1.88	-30.99	-56.27	53.66	-313.29	-309.79	50.15	35.69
		693	389.18	42.81	-72.50	-1.41	-28.27	-56.07	110.98	-41.83	-41.80	110.95	1.90
		807	302.79	41.01	-73.24	-3.79	-28.43	-55.78	57.56	-50.30	-39.62	46.87	32.23
		288	890.38	41.02	-75.35	-3.51	-30.83	-56.56	0.23	-321.76	-307.60	-13.93	66.02
638	8	362	728.54	32.35	-57.78	0.74	-26.17	-43.01	39.05	-243.30	-240.23	35.98	29.30
		693	305.15	32.99	-57.24	1.33	-25.58	-43.06	81.24	-27.53	-27.32	81.04	4.94
		807	248.92	30.45	-58.50	-2.36	-25.69	-42.92	46.07	-42.96	-33.63	36.73	27.27
		288	690.23	30.89	-58.76	-1.81	-26.06	-43.15	2.81	-247.67	-236.54	-8.33	51.63
638	9	362	684.09	28.14	-53.58	-2.06	-23.38	-39.44	41.21	-226.75	-224.28	38.74	25.62
		693	284.72	28.86	-52.02	-1.86	-21.29	-39.26	83.93	-27.61	-27.61	83.93	-0.25
		807	213.27	28.18	-52.18	-2.61	-21.39	-39.06	40.89	-35.00	-27.75	33.64	22.30
		288	647.45	28.05	-53.89	-2.56	-23.28	-39.64	-1.16	-234.82	-224.42	-11.55	48.17
638	10	362	680.85	26.81	-51.04	-1.65	-22.57	-37.49	38.70	-227.22	-224.52	35.99	26.68
		693	278.15	27.04	-50.71	-1.51	-22.17	-37.48	81.02	-27.27	-27.25	81.00	1.31
		807	211.34	26.44	-50.99	-2.35	-22.20	-37.42	39.80	-35.08	-26.57	31.29	23.77
		288	644.36	26.51	-51.28	-2.23	-22.54	-37.55	-2.79	-234.76	-223.83	-13.72	49.14
638	11	362	754.87	47.47	-62.47	2.33	-17.33	-54.08	45.59	-251.83	-251.52	45.28	9.65
		693	348.08	52.76	-54.10	4.29	-5.64	-53.20	98.35	-42.64	-40.61	96.33	-16.76
		807	206.87	46.02	-57.92	-5.58	-6.32	-51.97	38.00	-41.32	-40.07	36.74	9.90
		288	693.02	45.11	-66.18	-4.42	-16.65	-55.31	-8.86	-256.41	-250.97	-14.31	36.30
639	1	288	955.08	13.36	-153.84	8.93	-149.42	-26.83	81.01	-282.56	-281.93	80.38	-15.13
		807	412.05	16.71	-83.61	8.93	-75.84	-26.82	95.75	-67.70	-56.82	84.87	-40.74
		694	705.27	57.58	-81.23	52.19	-75.84	-26.82	178.07	-100.47	-83.78	161.39	-66.10
		181	1214.24	55.70	-152.92	52.19	-149.42	-26.83	160.39	-312.38	-308.89	156.89	-40.49
639	2	288	941.57	12.30	-143.25	8.02	-138.97	-25.44	72.25	-285.91	-285.36	71.70	-13.99
		807	389.55	15.49	-78.55	8.02	-71.08	-25.43	87.75	-67.69	-57.06	77.12	-39.22
		694	679.29	54.91	-76.22	49.77	-71.08	-25.43	169.57	-99.69	-83.52	153.40	-63.97
		181	1195.30	53.14	-142.34	49.77	-138.97	-25.44	151.21	-315.05	-311.81	147.97	-38.73
639	3	288	941.06	12.42	-149.59	8.63	-145.80	-24.49	77.02	-280.64	-280.19	76.58	-12.55
		807	397.84	15.25	-81.84	8.63	-75.21	-24.48	90.10	-66.64	-57.38	80.84	-36.95
		694	688.23	54.23	-79.84	49.61	-75.21	-24.48	173.36	-97.68	-82.53	158.21	-62.26
		181	1194.77	52.63	-148.83	49.61	-145.80	-24.49	157.05	-308.45	-305.35	153.95	-37.86
639	4	288	882.51	29.87	-159.56	15.54	-145.22	-50.10	88.46	-249.86	-247.21	85.82	-29.80
		807	448.66	37.43	-99.06	15.54	-77.16	-50.09	112.78	-72.31	-53.72	94.19	-55.63
		694	734.14	103.87	-91.02	90.00	-77.16	-50.09	186.93	-100.91	-81.39	167.41	-72.36
		181	1156.74	100.23	-155.45	90.00	-145.22	-50.10	163.98	-279.82	-274.88	159.05	-46.53
639	5	288	919.22	24.70	-136.94	14.29	-126.53	-39.68	68.52	-281.77	-280.30	67.06	-22.59
		807	416.21	29.49	-89.23	14.29	-74.03	-39.67	94.81	-76.22	-59.13	77.72	-51.30
		694	710.13	88.83	-83.69	79.16	-74.03	-39.67	170.90	-108.96	-90.66	152.60	-69.19
		181	1193.97	86.55	-133.91	79.16	-126.53	-39.68	145.53	-315.42	-311.84	141.94	-40.48
639	6	288	1042.89	27.64	-126.64	13.86	-112.86	-44.01	76.47	-328.30	-323.93	72.10	-41.86
		807	513.12	32.20	-91.71	13.86	-73.37	-44.01	122.58	-96.58	-62.91	88.91	-79.03
		694	785.60	104.47	-84.25	93.58	-73.37	-44.01	176.30	-140.63	-108.72	144.39	-95.37
		181	1324.64	102.58	-121.85	93.58	-112.86	-44.01	134.29	-376.46	-369.73	127.57	-58.21
639	7	288	931.09	13.17	-149.51	8.57	-144.91	-26.97	76.98	-277.11	-276.55	76.41	-14.18
		807	395.36	16.69	-80.95	8.57	-72.83	-26.96	91.04	-65.99	-55.87	80.93	-38.55
		694	684.67	56.77	-78.43	51.17	-72.83	-26.96	173.60	-96.77	-81.04	157.86	-63.30
		181	1185.33	54.81	-148.55	51.17	-144.91	-26.97	156.65	-305.01	-301.71	153.35	-38.92
639	8	288	724.97	10.09	-117.20	7.15	-114.26	-19.12	62.70	-213.11	-212.82	62.41	-8.95
		807	319.88	12.21	-65.07	7.15	-60.01	-19.11	71.95	-53.79	-46.95	65.11	-28.54
		694	542.04	44.28	-63.51	40.77	-60.01	-19.11	134.03	-79.07	-67.69	122.65	-47.92
		181	921.21	43.10	-116.58	40.77	-114.26	-19.12	122.21	-235.82	-233.56	119.95	-28.33
639	9	288	675.81	9.07	-106.34	5.95	-103.22	-18.72	54.14	-202.90	-202.43	53.67	-10.96
		807	281.10	11.47	-57.48	5.95	-51.96	-18.71	65.23	-46.60	-38.72	57.35	-28.62
		694	490.34	39.28	-55.80	35.44	-51.96	-18.71	125.07	-68.88	-56.95	113.14	-46.61
		181	859.09	37.92	-105.71	35.44	-103.22	-18.72	111.98	-223.18	-220.66	109.46	-28.94
639	10	288	668.05	8.55	-103.98	5.79	-101.22	-17.42	51.92	-201.83	-201.47	51.56	-9.52
		807	273.12	10.65	-56.48	5.79	-51.61	-17.41	62.06	-45.98	-39.03	55.11	-26.52
		694	480.84	37.40	-55.02	34.00	-51.61	-17.41	122.44	-67.32	-56.25	111.37	-44.48
		181	848.28	36.21	-103.42	34.00	-101.22	-17.42	110.12	-220.99	-218.69	107.82	-27.48
639	11	288	724.39	16.71	-90.93	8.69	-82.91	-28.27	51.48	-228.17	-225.76	49.07	-25.81
		807	336.04	20.00	-61.90	8.69	-50.59	-28.26	79.99	-62.49	-42.10	59.59	-49.89
		694	534.04	65.32	-57.48	58.43	-50.59	-28.26	123.98	-91.09	-70.80	103.69	-62.87
		181	920.05	63.87	-88.36	58.43	-82.91	-28.27	97.44	-258.74	-254.46	93.17	-38.79
640	1	181	1262.57	52.53	-187.85	50.82	-186.13	20.24	132.70	-344.55	-344.26	132.42	-11.66

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		694	604.51	54.34	-65.60	50.82	-62.07	20.26	168.28	-54.83	-50.93	164.38	-29.23
		808	341.75	22.61	-66.92	17.76	-62.07	20.26	13.15	-105.04	-95.05	3.16	-32.88
		373	1076.07	19.75	-188.12	17.76	-186.13	20.24	-28.15	-389.03	-388.38	-28.80	-15.31
640	2	181	1239.79	49.76	-177.77	48.33	-176.34	17.98	123.06	-345.81	-345.57	122.82	-10.58
		694	575.00	51.30	-60.71	48.33	-57.74	18.00	157.93	-55.70	-52.56	154.78	-25.74
		808	319.72	21.22	-61.84	17.12	-57.74	18.00	8.24	-101.07	-92.53	-0.30	-29.34
		373	1059.16	18.78	-178.00	17.12	-176.34	17.98	-31.70	-386.11	-385.54	-32.27	-14.19
640	3	181	1236.77	49.91	-184.41	48.27	-182.77	19.52	128.60	-338.94	-338.72	128.38	-10.19
		694	585.90	51.68	-63.84	48.27	-60.44	19.54	161.87	-55.06	-52.09	158.90	-25.19
		808	325.49	21.88	-65.08	17.24	-60.44	19.54	11.50	-100.38	-91.93	3.05	-29.56
		373	1049.97	19.13	-184.66	17.24	-182.77	19.52	-26.87	-379.16	-378.56	-27.47	-14.56
640	4	181	1197.25	89.98	-185.32	88.15	-183.48	22.39	130.43	-311.34	-310.49	129.58	-19.36
		694	635.47	91.27	-72.94	88.15	-69.82	22.41	170.79	-55.91	-49.62	164.51	-37.22
		808	356.45	24.62	-75.14	19.30	-69.82	22.41	21.73	-102.65	-93.09	12.16	-33.14
		373	993.69	21.74	-185.93	19.30	-183.48	22.39	-22.06	-354.66	-353.95	-22.76	-15.29
640	5	181	1234.86	78.72	-172.88	77.09	-171.25	20.19	112.22	-345.90	-345.42	111.74	-14.83
		694	593.98	79.92	-66.80	77.09	-63.96	20.21	151.30	-64.69	-61.22	147.83	-27.16
		808	326.86	22.27	-68.69	17.54	-63.96	20.21	8.84	-101.91	-95.98	2.91	-24.93
		373	1041.80	19.67	-173.39	17.54	-171.25	20.19	-32.72	-380.65	-380.19	-33.18	-12.60
640	6	181	1392.90	93.78	-152.41	91.87	-150.51	21.56	100.28	-415.91	-414.68	99.05	-25.21
		694	643.39	94.80	-67.14	91.87	-64.22	21.57	159.12	-75.78	-66.48	149.82	-45.79
		808	374.99	22.21	-69.60	16.82	-64.22	21.57	-0.58	-126.00	-114.88	-11.71	-35.66
		373	1217.96	19.56	-153.24	16.82	-150.51	21.56	-61.91	-463.64	-463.07	-62.48	-15.09
640	7	181	1228.64	51.29	-182.90	49.77	-181.38	18.81	128.53	-335.68	-335.42	128.28	-10.89
		694	584.79	52.92	-62.79	49.77	-59.64	18.82	162.55	-53.51	-50.12	159.16	-26.84
		808	325.75	21.87	-63.98	17.53	-59.64	18.82	11.88	-100.45	-91.37	2.80	-30.62
		373	1043.77	19.29	-183.14	17.53	-181.38	18.81	-27.47	-377.29	-376.68	-28.09	-14.66
640	8	181	953.42	40.94	-145.29	39.75	-144.10	14.82	99.68	-259.58	-259.38	99.48	-8.42
		694	459.54	42.21	-49.64	39.75	-47.18	14.83	124.19	-46.58	-44.36	121.97	-19.33
		808	262.45	17.02	-50.61	13.59	-47.18	14.83	11.25	-80.05	-73.79	4.99	-23.07
		373	808.39	14.97	-145.48	13.59	-144.10	14.82	-16.95	-289.35	-288.81	-17.49	-12.15
640	9	181	891.87	35.65	-129.72	34.46	-128.53	13.98	92.18	-245.59	-245.42	92.01	-7.78
		694	419.21	36.91	-45.38	34.46	-42.92	13.99	117.90	-36.62	-33.99	115.27	-19.99
		808	230.71	15.71	-46.26	12.37	-42.92	13.99	6.86	-71.99	-65.04	-0.10	-22.36
		373	760.07	13.74	-129.90	12.37	-128.53	13.98	-22.95	-276.87	-276.46	-23.36	-10.16
640	10	181	877.55	34.20	-127.81	33.05	-126.66	13.58	89.91	-242.48	-242.33	89.76	-6.97
		694	408.85	35.43	-44.40	33.05	-42.02	13.59	114.33	-36.75	-34.63	112.22	-17.74
		808	221.64	15.30	-45.24	12.08	-42.02	13.59	5.92	-69.39	-63.31	-0.16	-20.52
		373	745.56	13.40	-127.98	12.08	-126.66	13.58	-22.24	-271.39	-271.01	-22.62	-9.75
640	11	181	963.71	58.56	-110.03	57.27	-108.74	14.71	74.12	-285.19	-284.53	73.47	-15.31
		694	439.70	59.37	-46.21	57.27	-44.12	14.72	112.66	-48.11	-42.63	107.18	-29.18
		808	249.38	15.48	-47.75	11.85	-44.12	14.72	-0.76	-83.65	-76.05	-8.36	-23.91
		373	839.04	13.62	-110.50	11.85	-108.74	14.71	-41.71	-318.32	-317.96	-42.07	-10.04
641	1	373	1235.58	59.06	-64.16	27.57	-32.67	53.74	71.39	-407.39	-403.64	67.64	-42.19
		808	534.08	54.64	-79.13	27.57	-52.06	53.74	94.24	-103.58	-62.20	52.86	-80.46
		695	891.83	32.14	-86.36	-2.17	-52.06	53.74	174.95	-182.16	-110.19	102.98	-143.25
		197	1504.26	38.45	-73.28	-2.17	-32.67	53.74	136.50	-470.36	-451.62	117.76	-104.99
641	2	373	1208.39	55.33	-60.78	26.29	-31.75	50.28	66.58	-400.91	-397.35	63.02	-40.62
		808	512.36	51.35	-74.60	26.29	-49.54	50.28	87.64	-102.67	-63.39	48.37	-77.02
		695	867.03	31.12	-80.88	-0.22	-49.54	50.28	170.63	-177.27	-108.36	101.71	-138.66
		197	1474.11	36.71	-68.68	-0.22	-31.75	50.28	134.49	-460.45	-442.32	116.36	-102.26
641	3	373	1197.90	57.00	-62.71	26.80	-32.51	52.00	68.70	-395.18	-391.62	65.14	-40.48
		808	513.89	52.77	-77.30	26.80	-51.33	51.99	89.29	-100.70	-62.00	50.59	-76.51
		695	861.26	31.50	-83.97	-1.13	-51.33	51.99	169.34	-175.23	-106.81	100.92	-137.45
		197	1457.37	37.49	-71.13	-1.13	-32.51	52.00	133.52	-454.47	-436.43	115.47	-101.42
641	4	373	1162.29	69.39	-74.59	28.89	-34.09	64.74	85.71	-369.23	-366.79	83.27	-33.22
		808	585.39	63.12	-93.53	28.89	-59.31	64.73	110.99	-103.21	-60.72	68.50	-85.42
		695	929.36	49.66	-97.76	11.21	-59.31	64.73	165.32	-200.52	-131.12	95.91	-143.43
		197	1448.06	57.14	-80.02	11.21	-34.09	64.74	125.48	-451.98	-437.19	110.69	-91.24
641	5	373	1187.40	62.65	-69.56	26.30	-33.22	59.03	76.47	-386.40	-384.26	74.33	-31.41
		808	559.28	57.12	-86.73	26.30	-55.90	59.02	96.31	-109.97	-72.28	58.62	-79.72
		695	919.64	48.53	-89.26	15.17	-55.90	59.02	162.76	-201.05	-135.80	97.50	-139.58
		197	1478.21	54.77	-72.82	15.17	-33.22	59.03	127.69	-462.25	-447.78	113.21	-91.28
641	6	373	1409.13	64.73	-70.47	24.75	-30.48	61.70	77.47	-470.49	-467.69	74.68	-39.04
		808	647.83	59.00	-86.38	24.75	-52.12	61.70	107.87	-136.11	-85.47	57.23	-98.95
		695	1090.12	52.85	-88.38	16.59	-52.12	61.70	190.94	-245.51	-163.79	109.21	-170.26
		197	1772.98	59.09	-72.98	16.59	-30.48	61.70	144.31	-563.65	-546.01	126.66	-110.36
641	7	373	1195.38	57.04	-62.28	27.00	-32.24	51.79	68.96	-394.05	-390.45	65.36	-40.68
		808	515.30	52.86	-76.71	27.00	-50.85	51.79	90.54	-100.19	-60.57	50.92	-77.38
		695	863.09	31.36	-83.47	-1.25	-50.85	51.79	170.02	-175.48	-106.36	100.90	-138.22
		197	1456.58	37.31	-70.81	-1.25	-32.24	51.79	133.43	-454.33	-436.24	115.34	-101.52
641	8	373	924.33	44.91	-49.23	21.09	-25.41	40.93	56.32	-302.66	-300.03	53.69	-30.61

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		808	407.73	41.43	-61.27	21.09	-40.93	40.93	72.02	-78.86	-49.47	42.63	-59.75
		695	671.16	26.39	-65.81	1.51	-40.93	40.93	129.31	-138.59	-86.45	77.17	-106.07
		197	1123.40	31.14	-55.03	1.51	-25.41	40.93	101.72	-350.49	-337.00	88.22	-76.94
641	9	373	870.20	40.68	-44.52	19.13	-22.96	37.04	47.86	-288.56	-285.86	45.16	-30.02
		808	368.49	37.76	-54.48	19.13	-35.84	37.04	63.91	-72.59	-43.22	34.54	-56.08
		695	625.01	21.61	-59.72	-2.27	-35.84	37.04	124.48	-126.20	-75.31	73.60	-100.83
		197	1061.84	25.84	-51.07	-2.27	-22.96	37.04	97.66	-331.40	-317.95	84.21	-74.77
641	10	373	849.26	39.54	-43.72	18.70	-22.88	36.07	46.36	-281.78	-279.19	43.77	-29.07
		808	357.24	36.73	-53.46	18.70	-35.44	36.07	61.14	-70.97	-43.11	33.28	-53.89
		695	608.01	21.25	-58.38	-1.69	-35.44	36.07	121.36	-122.35	-73.44	72.45	-97.61
		197	1035.80	25.31	-49.87	-1.69	-22.88	36.07	96.00	-322.58	-309.51	82.93	-72.79
641	11	373	966.56	43.79	-47.98	17.56	-21.75	41.46	51.21	-323.59	-321.45	49.06	-28.27
		808	431.76	40.16	-58.48	17.56	-35.88	41.46	71.47	-90.65	-56.15	36.97	-66.36
		695	734.54	33.08	-60.80	8.15	-35.88	41.46	133.34	-161.37	-105.09	77.06	-115.83
		197	1210.84	37.28	-50.87	8.15	-21.75	41.46	101.95	-383.19	-370.39	89.15	-77.75
642	1	197	1678.29	39.93	-10.69	3.26	25.98	22.62	81.41	-583.39	-576.88	74.91	-65.43
		695	491.95	17.00	-34.05	3.26	-20.31	22.65	169.13	-9.65	14.80	144.68	-61.43
		697	355.97	-10.24	-71.23	-61.16	-20.31	22.65	106.14	-31.19	8.51	66.43	-62.26
		402	1624.44	31.50	-66.68	-61.16	25.98	22.62	4.14	-590.65	-583.18	-3.33	-66.26
642	2	197	1637.50	36.57	-9.00	4.90	22.67	20.98	79.48	-569.91	-563.62	73.19	-63.60
		695	475.96	17.23	-30.88	4.90	-18.55	21.01	163.36	-10.48	12.30	140.58	-58.66
		697	342.64	-9.31	-66.31	-57.07	-18.55	21.01	102.45	-30.42	7.11	64.92	-59.82
		402	1583.20	27.86	-62.26	-57.07	22.67	20.98	4.84	-576.12	-568.81	-2.47	-64.76
642	3	197	1617.99	37.90	-10.03	4.16	23.71	21.89	78.50	-562.87	-556.61	72.24	-63.06
		695	472.38	17.29	-32.41	4.16	-19.29	21.91	161.91	-10.07	12.65	139.20	-58.23
		697	340.09	-9.64	-69.03	-59.38	-19.29	21.91	101.54	-29.70	7.47	64.37	-59.13
		402	1565.62	29.12	-64.79	-59.38	23.71	21.89	4.63	-569.00	-561.78	-2.59	-63.97
642	4	197	1613.71	43.47	-5.80	16.80	20.87	24.55	73.27	-561.96	-555.33	66.64	-64.54
		695	473.86	28.87	-33.24	16.80	-21.17	24.57	146.22	-33.02	-14.56	127.76	-54.48
		697	344.93	-10.57	-78.14	-67.54	-21.17	24.57	95.05	-43.70	-13.87	65.22	-57.00
		402	1562.17	27.23	-73.90	-67.54	20.87	24.55	12.03	-562.57	-554.63	4.09	-67.06
642	5	197	1637.77	39.41	-4.28	20.32	14.81	21.67	72.54	-570.02	-563.69	66.21	-63.49
		695	469.15	30.07	-27.90	20.31	-18.14	21.69	141.86	-38.27	-22.25	125.83	-51.28
		697	338.34	-8.96	-69.37	-60.19	-18.14	21.69	92.14	-46.48	-19.52	65.19	-54.87
		402	1574.49	20.63	-66.00	-60.19	14.81	21.67	13.40	-568.80	-560.96	5.56	-67.07
642	6	197	1995.93	41.44	-1.44	21.48	18.53	21.39	88.64	-695.84	-688.15	80.94	-77.32
		695	570.14	30.61	-28.74	21.48	-19.61	21.41	176.22	-43.99	-21.90	154.13	-66.15
		697	419.82	-10.09	-67.78	-58.26	-19.61	21.41	114.09	-58.73	-22.03	77.40	-70.68
		402	1918.95	24.08	-63.82	-58.26	18.53	21.39	13.75	-697.82	-688.28	4.21	-81.84
642	7	197	1619.88	38.00	-9.97	4.02	24.02	21.80	78.91	-563.25	-556.96	72.61	-63.27
		695	473.95	17.10	-32.39	4.02	-19.30	21.83	162.92	-9.35	13.77	139.80	-58.72
		697	341.80	-9.68	-68.82	-59.20	-19.30	21.83	102.26	-29.51	8.29	64.46	-59.60
		402	1567.31	29.38	-64.57	-59.20	24.02	21.80	4.53	-569.70	-562.44	-2.73	-64.14
642	8	197	1241.65	29.96	-5.67	5.72	18.58	16.61	58.76	-433.35	-428.50	53.91	-48.63
		695	361.73	14.98	-24.14	5.72	-14.88	16.63	121.02	-12.58	4.09	104.34	-44.16
		697	261.32	-7.66	-53.24	-46.03	-14.88	16.63	76.42	-25.98	1.06	49.38	-45.15
		402	1204.69	22.60	-50.06	-46.03	18.58	16.61	4.59	-437.17	-431.53	-1.06	-49.62
642	9	197	1185.36	27.19	-8.34	1.47	17.39	15.88	58.57	-411.32	-406.73	53.98	-46.19
		695	347.70	11.41	-23.96	1.47	-14.01	15.90	121.17	-4.10	13.36	103.71	-43.39
		697	250.40	-6.91	-49.62	-42.52	-14.01	15.90	75.79	-19.93	8.74	47.13	-43.84
		402	1144.73	21.34	-46.47	-42.52	17.39	15.88	2.65	-416.61	-411.36	-2.61	-66.64
642	10	197	1151.86	26.07	-7.97	1.97	16.13	15.47	56.95	-399.92	-395.47	52.50	-44.87
		695	336.77	11.56	-23.04	1.97	-13.45	15.49	117.16	-4.32	12.16	100.67	-41.60
		697	241.55	-6.58	-48.39	-41.53	-13.45	15.49	73.22	-19.09	8.16	45.98	-42.10
		402	1112.05	20.02	-45.42	-41.53	16.13	15.47	2.92	-404.59	-399.47	-2.19	-45.37
642	11	197	1360.40	27.64	-2.80	11.59	13.25	15.20	62.58	-473.80	-468.55	57.33	-52.79
		695	389.05	18.74	-20.78	11.59	-13.62	15.21	125.00	-23.06	-7.03	108.97	-46.01
		697	283.59	-6.83	-47.70	-40.91	-13.62	15.21	79.92	-34.93	-8.23	53.22	-48.52
		402	1308.32	17.23	-44.88	-40.91	13.25	15.20	7.98	-476.15	-469.75	1.58	-55.30
643	1	696	278.11	-7.72	-24.59	-8.44	-23.87	-3.41	14.96	-95.59	-80.43	-0.20	-38.03
		830	82.85	8.03	-9.15	-8.44	7.32	-3.43	-4.58	-32.69	-13.49	-23.77	-13.08
		811	185.65	9.95	2.85	5.47	7.32	-3.43	47.36	-30.58	14.69	2.09	-38.46
		677	350.83	5.86	-24.26	5.47	-23.87	-3.41	61.12	-87.71	-52.25	25.66	-63.40
643	2	696	274.55	-7.36	-23.53	-7.97	-22.93	-3.07	15.06	-94.29	-79.17	-0.05	-37.74
		830	82.38	7.91	-8.57	-7.97	7.31	-3.09	-4.45	-32.58	-13.41	-23.63	-13.11
		811	184.86	9.68	3.29	5.65	7.31	-3.09	46.78	-31.06	14.35	1.36	-38.37
		677	347.41	5.98	-23.25	5.65	-22.93	-3.07	60.43	-86.91	-51.41	24.94	-63.01
643	3	696	272.71	-7.56	-23.94	-8.21	-23.28	-3.20	14.97	-93.59	-78.58	-0.04	-37.47
		830	82.00	7.95	-8.86	-8.21	7.30	-3.22	-4.36	-32.35	-13.27	-23.43	-13.04
		811	183.80	9.82	3.18	5.70	7.30	-3.22	46.54	-30.76	14.28	1.50	-38.12
		677	345.08	6.05	-23.63	5.70	-23.28	-3.20	60.11	-86.23	-51.03	24.90	-62.55
643	4	696	256.00	-6.44	-23.84	-7.45	-22.83	-4.08	13.86	-87.72	-72.89	-0.97	-35.87

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		830	74.64	7.05	-8.61	-7.45	5.89	-4.10	-3.92	-28.99	-11.70	-21.21	-11.59
		811	164.93	8.28	-1.13	1.26	5.89	-4.10	44.83	-23.47	15.90	5.46	-33.74
		677	318.27	1.93	-23.50	1.26	-22.83	-4.08	58.22	-77.81	-45.29	25.70	-58.02
643	5	696	269.89	-4.77	-21.15	-5.17	-20.76	-2.51	14.67	-92.69	-77.34	-0.68	-37.58
		830	79.13	7.48	-5.67	-5.17	6.98	-2.53	-4.45	-31.41	-12.99	-22.88	-12.54
		811	175.83	8.02	0.87	1.92	6.98	-2.53	46.28	-27.86	15.30	3.12	-36.57
		677	337.84	2.19	-21.03	1.92	-20.76	-2.51	60.09	-83.83	-49.05	25.32	-61.61
643	6	696	324.12	-3.24	-23.64	-3.39	-23.50	-1.73	15.53	-111.79	-94.83	-1.43	-43.26
		830	92.77	9.63	-3.63	-3.39	9.40	-1.75	-6.54	-36.75	-16.09	-27.19	-14.05
		811	201.57	9.74	0.62	0.97	9.40	-1.75	53.47	-32.14	17.05	4.27	-42.32
		677	400.15	1.09	-23.62	0.97	-23.50	-1.73	69.15	-100.80	-61.69	30.04	-71.54
643	7	696	271.44	-7.78	-24.19	-8.54	-23.42	-3.45	14.87	-93.05	-78.07	-0.11	-37.31
		830	81.45	7.77	-9.28	-8.54	7.04	-3.47	-4.32	-32.00	-13.09	-23.22	-12.88
		811	182.21	9.83	2.72	5.52	7.04	-3.47	46.40	-30.04	14.47	1.89	-37.70
		677	342.57	5.93	-23.83	5.52	-23.42	-3.45	59.94	-85.45	-50.50	25.00	-62.12
643	8	696	209.22	-6.51	-18.61	-7.12	-18.01	-2.65	11.23	-71.77	-60.61	0.06	-28.33
		830	62.63	5.96	-7.66	-7.12	5.42	-2.66	-3.48	-24.65	-10.19	-17.94	-9.85
		811	140.85	8.06	2.74	5.38	5.42	-2.66	35.50	-23.59	10.68	1.23	-29.17
		677	264.62	5.68	-18.30	5.38	-18.01	-2.65	45.77	-66.28	-39.74	19.23	-47.64
643	9	696	198.05	-5.05	-17.15	-5.49	-16.71	-2.26	11.01	-67.97	-56.83	-0.13	-27.48
		830	59.54	5.76	-5.95	-5.49	5.30	-2.27	-3.11	-23.51	-9.60	-17.02	-9.50
		811	133.13	6.82	1.91	3.42	5.30	-2.27	33.92	-22.11	10.66	1.16	-27.61
		677	250.30	3.67	-16.96	3.42	-16.71	-2.26	43.89	-62.41	-36.57	18.05	-45.60
643	10	696	195.05	-4.96	-16.79	-5.36	-16.38	-2.14	11.02	-66.86	-55.81	-0.03	-27.17
		830	59.06	5.71	-5.78	-5.36	5.29	-2.16	-2.99	-23.32	-9.48	-16.83	-9.48
		811	132.11	6.74	2.10	3.55	5.29	-2.16	33.47	-22.21	10.43	0.83	-27.42
		677	247.12	3.78	-16.61	3.55	-16.38	-2.14	43.32	-61.60	-35.90	17.62	-45.12
643	11	696	223.93	-2.56	-16.63	-2.68	-16.50	-1.32	11.32	-76.96	-64.83	-0.81	-30.39
		830	65.24	6.65	-2.87	-2.68	6.45	-1.34	-4.20	-25.76	-11.05	-18.92	-10.04
		811	141.94	6.76	0.61	0.92	6.45	-1.34	37.31	-22.98	11.97	2.37	-29.76
		677	277.69	1.02	-16.60	0.92	-16.50	-1.32	48.34	-69.68	-41.82	20.48	-50.12
644	1	677	280.32	-0.15	-61.61	-5.19	-56.57	-16.87	86.48	-24.05	-2.55	64.98	-43.75
		811	247.58	5.97	-7.76	-4.75	2.95	-5.68	56.61	-48.59	-48.58	56.60	0.77
		832	817.59	8.87	-13.40	-8.55	4.02	-9.20	325.16	45.88	45.92	325.13	3.27
		784	849.21	-6.55	-61.13	-10.04	-57.64	-13.35	340.35	85.10	91.95	333.50	-41.25
644	2	677	277.23	2.47e-03	-59.44	-4.58	-54.85	-15.86	85.22	-24.32	-2.62	63.51	-43.66
		811	242.99	6.55	-6.24	-4.19	4.50	-4.70	54.82	-48.12	-48.12	54.82	-0.01
		832	801.42	9.34	-12.32	-8.55	5.57	-8.21	318.09	44.49	44.51	318.08	1.93
		784	833.17	-6.98	-59.04	-10.09	-55.92	-12.34	333.90	82.87	90.01	326.76	-41.72
644	3	677	275.76	-0.02	-60.59	-4.75	-55.86	-16.24	84.89	-23.75	-2.43	63.57	-43.15
		811	242.31	6.46	-6.61	-4.34	4.19	-4.96	54.93	-47.76	-47.76	54.93	0.02
		832	799.16	9.31	-12.62	-8.57	5.27	-8.51	317.13	44.02	44.04	317.11	1.91
		784	831.16	-6.90	-60.16	-10.12	-56.94	-12.69	332.75	82.37	89.36	325.76	-41.25
644	4	677	255.03	-2.65	-57.93	-9.26	-51.32	-17.94	82.52	-17.39	1.90	63.23	-39.44
		811	237.81	2.91	-16.08	-8.02	-5.15	-9.39	58.91	-43.42	-43.22	58.71	4.53
		832	806.23	8.72	-15.39	-2.22	-4.45	-12.01	322.64	49.23	49.71	322.16	11.44
		784	819.93	1.87	-56.37	-2.49	-52.02	-15.32	331.15	90.35	94.82	326.67	-32.52
644	5	677	264.08	-2.65	-51.96	-7.40	-47.21	-14.55	83.84	-20.41	-0.26	63.69	-41.17
		811	242.93	5.02	-8.78	-6.30	2.53	-5.30	56.71	-46.18	-46.15	56.68	1.66
		832	807.51	9.12	-8.14	-2.34	3.32	-8.15	321.97	45.36	45.47	321.86	5.53
		784	829.79	-9.22e-03	-50.85	-2.86	-48.00	-11.70	334.59	85.64	91.36	328.87	-37.29
644	6	677	300.49	-3.89	-54.61	-8.94	-49.56	-15.19	95.95	-21.94	-2.16	76.17	-44.05
		811	287.15	6.94	-9.33	-7.59	5.20	-5.03	66.00	-55.08	-55.02	65.94	2.69
		832	944.76	11.15	-6.99	-1.89	6.05	-8.15	374.01	47.53	47.58	373.95	4.22
		784	969.73	0.53	-53.27	-2.33	-50.41	-12.07	390.42	94.21	100.44	384.18	-42.52
644	7	677	275.02	-0.03	-60.89	-5.01	-55.91	-16.69	84.85	-23.71	-2.17	63.31	-43.29
		811	241.46	5.76	-7.72	-4.60	2.64	-5.69	55.25	-47.41	-47.40	55.25	0.62
		832	798.61	8.57	-13.45	-8.56	3.69	-9.15	317.91	45.46	45.50	317.87	3.31
		784	829.95	-6.58	-60.43	-10.05	-56.96	-13.23	332.75	83.92	90.74	325.93	-40.61
644	8	677	213.04	0.76	-47.15	-2.60	-43.79	-12.23	64.98	-18.73	-2.47	48.71	-33.12
		811	185.57	5.30	-3.79	-2.44	3.95	-3.23	41.86	-36.84	-36.83	41.85	0.32
		832	610.29	7.32	-10.01	-7.52	4.83	-6.08	242.03	34.00	34.01	242.02	1.50
		784	635.96	-6.61	-46.99	-8.92	-44.67	-9.38	254.36	62.89	68.37	248.88	-31.94
644	9	677	199.32	-0.45	-43.11	-4.10	-39.46	-11.94	61.80	-17.07	-1.29	46.03	-31.55
		811	175.83	4.20	-5.89	-3.72	2.03	-4.15	40.09	-34.53	-34.53	40.09	0.13
		832	582.07	6.37	-9.28	-5.67	2.76	-6.59	231.55	32.66	32.68	231.53	2.00
		784	604.22	-4.14	-42.69	-6.64	-40.19	-9.49	242.46	60.93	65.92	237.47	-29.68
644	10	677	196.79	-0.38	-42.54	-3.85	-39.06	-11.59	60.92	-16.90	-1.23	45.25	-31.21
		811	172.93	4.48	-5.25	-3.49	2.71	-3.75	39.16	-34.07	-34.07	39.16	-0.29
		832	571.84	6.59	-8.82	-5.69	3.45	-6.21	227.09	31.62	31.63	227.08	1.25
		784	594.20	-4.34	-42.15	-6.68	-39.80	-9.13	238.23	59.41	64.48	233.16	-29.68
644	11	677	210.41	-2.52	-39.22	-6.18	-35.56	-11.00	67.02	-15.85	-1.08	52.25	-31.71

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		811	197.74	4.71	-6.73	-5.30	3.28	-3.79	45.30	-38.13	-38.11	45.28	1.20
		832	652.71	7.65	-5.73	-1.97	3.89	-6.01	258.68	33.57	33.60	258.66	2.53
		784	671.10	-0.21	-38.32	-2.35	-36.17	-8.78	270.25	66.01	70.63	265.62	-30.38
645	1	784	562.70	1.73	-54.28	-3.87	-48.69	-16.79	219.03	43.59	46.51	216.10	-22.46
		832	581.01	1.35	-49.23	-4.63	-43.26	-16.32	225.47	35.71	42.45	218.73	-35.11
		812	183.39	11.87	-47.94	7.16	-43.23	-16.10	46.50	-29.66	-8.28	25.12	-34.23
		678	128.87	11.07	-53.55	6.23	-48.71	-17.01	34.51	-16.23	-4.21	22.49	-21.57
645	2	784	550.91	1.75	-51.67	-3.58	-46.33	-16.01	214.65	42.10	45.39	211.37	-23.58
		832	567.11	1.60	-45.15	-4.23	-39.33	-15.44	220.48	33.92	41.19	213.21	-36.09
		812	189.57	10.90	-43.89	6.35	-39.34	-15.13	44.76	-33.50	-9.13	20.39	-36.24
		678	130.84	10.20	-51.04	5.48	-46.32	-16.33	33.29	-19.68	-4.93	18.54	-23.74
645	3	784	553.43	1.84	-53.47	-3.54	-48.09	-16.38	215.16	42.10	45.24	212.02	-23.10
		832	568.54	1.77	-46.08	-4.14	-40.17	-15.75	220.72	33.67	40.76	213.62	-35.72
		812	191.50	10.78	-44.84	6.14	-40.20	-15.38	46.69	-32.83	-9.55	23.41	-36.18
		678	134.04	10.10	-52.89	5.28	-48.06	-16.75	35.49	-18.75	-5.07	21.80	-23.56
645	4	784	547.59	0.74	-39.51	-0.88	-37.89	-7.91	216.86	50.03	51.48	215.42	-15.46
		832	575.89	-0.76	-41.53	-2.34	-39.94	-7.87	224.77	41.47	44.79	221.45	-24.44
		812	155.49	18.45	-40.86	17.31	-39.72	-8.14	47.61	-4.44	2.35	40.82	-17.53
		678	116.14	16.97	-39.17	15.91	-38.11	-7.64	37.36	6.47	9.04	34.78	-8.55
645	5	784	548.65	1.62	-31.73	0.65	-30.76	-5.61	216.89	43.35	46.65	213.60	-23.69
		832	566.33	0.87	-25.76	-0.14	-24.75	-5.09	222.79	36.13	42.09	216.83	-32.82
		812	151.86	12.79	-25.35	12.16	-24.73	-4.85	39.53	-24.09	-2.14	17.58	-30.24
		678	108.38	11.99	-31.58	11.19	-30.78	-5.86	30.32	-13.55	2.42	14.35	-21.11
645	6	784	626.16	2.68	-32.19	1.53	-31.04	-6.24	245.16	39.81	44.87	240.09	-31.86
		832	644.89	2.29	-26.17	1.07	-24.95	-5.76	253.49	38.43	46.93	244.99	-41.92
		812	183.44	9.72	-25.84	8.85	-24.98	-5.47	38.74	-38.09	-2.50	3.15	-38.31
		678	139.89	9.26	-32.07	8.20	-31.02	-6.52	25.14	-31.44	-4.56	-1.75	-28.25
645	7	784	550.61	1.59	-53.81	-3.98	-48.24	-16.66	214.55	43.76	46.54	211.77	-21.60
		832	568.97	1.14	-49.06	-4.78	-43.13	-16.20	220.75	35.30	41.79	214.26	-34.08
		812	179.46	12.17	-47.73	7.53	-43.09	-16.01	46.39	-28.37	-8.11	26.12	-33.23
		678	127.85	11.33	-53.04	6.57	-48.28	-16.85	34.89	-14.62	-3.36	23.63	-20.75
645	8	784	417.73	1.10	-40.80	-3.38	-36.32	-12.95	162.53	32.09	34.24	160.38	-16.61
		832	430.25	0.92	-35.94	-3.97	-31.05	-12.51	167.26	26.19	31.51	161.94	-26.87
		812	145.27	9.28	-34.78	5.54	-31.04	-12.28	36.14	-24.38	-7.79	19.55	-27.00
		678	102.71	8.64	-40.18	4.78	-36.32	-13.17	26.79	-13.85	-5.05	17.99	-16.74
645	9	784	402.19	1.36	-38.22	-2.44	-34.42	-11.66	156.74	31.35	33.69	154.40	-16.97
		832	414.82	1.17	-34.18	-2.91	-30.10	-11.30	160.99	25.09	30.13	155.95	-25.67
		812	133.12	7.93	-33.34	4.68	-30.09	-11.12	32.46	-22.51	-5.73	15.69	-25.31
		678	91.91	7.42	-37.78	4.07	-34.42	-11.85	24.49	-12.52	-2.17	14.13	-16.61
645	10	784	397.07	1.43	-37.77	-2.25	-34.09	-11.43	154.59	30.52	32.99	152.12	-17.33
		832	407.92	1.41	-32.43	-2.64	-28.38	-10.99	158.35	23.95	29.19	153.12	-26.01
		812	137.68	7.32	-31.62	4.11	-28.41	-10.72	32.60	-24.29	-6.44	14.74	-26.40
		678	96.82	6.89	-37.41	3.54	-34.06	-11.71	25.07	-13.97	-2.65	13.75	-17.72
645	11	784	437.48	1.83	-25.89	0.56	-24.62	-5.80	171.28	29.22	32.78	167.72	-22.20
		832	450.35	1.62	-21.30	0.25	-19.93	-5.43	176.57	26.60	32.62	170.54	-29.45
		812	133.45	6.64	-20.97	5.62	-19.95	-5.21	28.23	-27.26	-2.52	3.49	-27.58
		678	101.72	6.34	-25.77	5.16	-24.59	-6.02	19.53	-21.23	-2.36	0.67	-20.32
646	1	678	207.16	5.30	-83.24	4.27	-82.21	-9.49	65.40	7.96	16.25	57.11	-20.19
		812	211.85	3.99	-50.62	3.73	-50.37	-3.74	48.76	-27.37	-26.32	47.70	8.90
		833	587.83	-5.41	-50.47	-6.12	-49.76	-5.60	223.20	33.29	33.57	222.93	7.25
		785	605.53	-6.83	-83.59	-7.59	-82.82	-7.63	235.33	73.15	76.14	232.33	-21.84
646	2	678	197.13	4.17	-80.04	2.87	-78.74	-10.35	62.49	4.68	15.31	51.86	-22.40
		812	196.25	2.90	-49.12	2.43	-48.65	-4.92	43.03	-27.50	-26.86	42.39	6.67
		833	572.40	-5.13	-49.12	-6.17	-48.09	-6.67	217.63	32.88	33.01	217.50	4.89
		785	592.02	-6.48	-80.32	-7.49	-79.31	-8.60	230.73	71.42	75.18	226.97	-24.18
646	3	678	206.58	3.71	-83.01	2.22	-81.52	-11.28	65.33	4.91	14.99	55.25	-22.52
		812	204.74	2.46	-51.22	1.85	-50.61	-5.71	45.84	-27.65	-27.10	45.28	6.37
		833	577.92	-4.93	-51.29	-6.18	-50.04	-7.50	219.00	32.25	32.34	218.92	3.95
		785	599.41	-6.28	-83.27	-7.47	-82.09	-9.49	232.82	70.50	74.43	228.89	-24.95
646	4	678	187.25	30.64	-47.37	24.55	-41.28	20.93	67.45	29.66	29.87	67.24	-2.78
		812	239.46	47.61	-14.41	22.79	10.41	30.39	68.80	-23.84	-16.99	61.96	24.23
		833	586.91	32.69	-23.60	-2.43	11.52	27.27	229.16	34.04	38.10	225.10	27.87
		785	564.40	6.20	-54.29	-5.70	-42.38	24.05	230.39	84.96	84.96	230.38	0.85
646	5	678	146.59	18.37	-37.80	15.19	-34.62	12.99	51.78	18.52	25.15	45.15	-13.29
		812	168.18	33.44	-9.00	14.19	10.25	21.13	42.86	-24.31	-21.20	39.75	14.11
		833	555.13	24.10	-15.21	-2.25	11.14	18.48	219.04	34.68	36.37	217.35	17.57
		785	545.35	1.96	-42.03	-4.57	-35.50	15.64	223.43	82.03	82.72	222.74	-9.83
646	6	678	134.84	8.51	-48.93	8.14	-48.57	4.57	46.66	16.45	24.87	38.24	-13.55
		812	147.35	18.73	-9.12	7.84	1.77	13.59	36.15	-25.62	-23.25	33.78	11.88
		833	605.81	11.29	-10.63	-2.00	2.66	10.71	240.66	33.69	35.00	239.36	16.38
		785	605.28	-2.59	-50.63	-3.77	-49.45	7.45	244.33	82.61	83.11	243.82	-9.05
646	7	678	206.73	5.90	-81.43	5.05	-80.58	-8.57	65.43	8.23	16.37	57.29	-19.99

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		812	210.98	4.59	-49.30	4.43	-49.14	-2.88	48.97	-26.99	-25.89	47.87	9.06
		833	578.29	-5.66	-49.06	-6.19	-48.53	-4.73	219.90	33.21	33.50	219.61	7.35
		785	596.46	-7.12	-81.80	-7.73	-81.19	-6.73	232.04	72.74	75.76	229.02	-21.70
646	8	678	164.94	3.71	-64.76	2.64	-63.69	-8.48	51.46	2.90	10.18	44.19	-17.33
		812	161.86	2.58	-38.88	2.20	-38.50	-3.92	36.38	-22.03	-21.51	35.86	5.49
		833	442.45	-4.87	-38.90	-5.75	-38.02	-5.40	167.94	24.95	25.01	167.89	2.83
		785	462.98	-6.09	-65.02	-6.93	-64.17	-7.00	179.47	53.44	56.69	176.22	-19.99
646	9	678	141.38	3.34	-57.95	2.58	-57.19	-6.78	45.13	5.64	12.46	38.31	-14.93
		812	144.45	2.48	-35.77	2.26	-35.55	-2.88	32.61	-19.12	-18.50	31.98	5.65
		833	417.45	-3.38	-35.69	-3.92	-35.15	-4.14	158.60	23.88	24.06	158.42	4.98
		785	428.22	-4.30	-58.17	-4.87	-57.59	-5.53	166.92	52.85	55.02	164.74	-15.60
646	10	678	141.24	2.46	-57.82	1.44	-56.80	-7.78	45.16	3.88	11.76	37.28	-16.23
		812	140.55	1.64	-36.11	1.21	-35.68	-3.98	31.00	-19.29	-18.93	30.64	4.25
		833	411.93	-3.11	-36.14	-3.95	-35.30	-5.20	156.26	23.30	23.38	156.19	3.15
		785	424.81	-3.99	-57.99	-4.80	-57.18	-6.56	165.53	51.37	54.07	162.83	-17.33
646	11	678	101.74	4.75	-38.52	4.73	-38.49	1.03	34.96	10.11	17.25	27.83	-11.24
		812	105.00	7.72	-9.77	4.54	-6.59	6.75	25.51	-18.05	-16.79	24.24	7.31
		833	423.15	1.56	-9.22	-1.63	-6.03	4.92	168.25	24.15	24.86	167.55	10.06
		785	427.90	-2.53	-39.28	-2.75	-39.05	2.85	171.77	58.26	58.89	171.13	-8.49
647	1	785	378.20	-2.81	-49.85	-4.16	-48.50	-7.86	146.07	38.90	40.42	144.55	-12.68
		833	392.87	-4.09	-69.59	-5.36	-68.32	-9.04	144.76	29.06	33.45	140.38	-22.10
		813	202.35	8.87	-69.26	7.52	-67.91	-10.19	9.29	-56.33	-8.89	-38.15	-29.37
		679	158.39	7.67	-49.70	6.88	-48.90	-6.71	7.64	-43.53	-1.92	-33.97	-19.95
647	2	785	366.47	-2.71	-50.09	-4.90	-47.90	-9.95	141.68	37.32	39.64	139.36	-15.38
		833	385.14	-4.26	-74.74	-6.18	-72.82	-11.46	140.81	27.25	32.85	135.21	-24.59
		813	225.06	8.66	-74.39	6.61	-72.34	-12.88	9.76	-62.78	-9.08	-43.93	-31.81
		679	178.61	7.34	-49.69	6.04	-48.38	-8.53	8.32	-50.40	-2.29	-39.79	-22.60
647	3	785	374.64	-2.48	-54.12	-5.00	-51.60	-11.12	143.85	36.56	39.09	141.33	-16.27
		833	392.95	-4.05	-79.42	-6.25	-77.22	-12.68	142.62	26.39	32.22	136.79	-25.37
		813	229.46	8.24	-79.09	5.89	-76.73	-14.14	10.94	-63.03	-9.53	-42.55	-33.10
		679	181.49	6.95	-53.67	5.36	-52.09	-9.67	9.46	-50.14	-2.66	-38.02	-23.99
647	4	785	375.12	76.42	-19.23	11.52	45.68	44.67	144.06	46.77	47.37	143.46	7.61
		833	406.13	133.94	-8.49	11.29	114.15	49.26	139.01	38.88	38.89	138.99	-1.12
		813	213.06	138.95	4.54	30.15	113.33	52.79	-1.89	-48.66	-3.46	-47.09	-8.43
		679	149.40	79.41	-4.93	27.98	46.50	41.14	5.01	-42.62	5.01	-42.62	0.29
647	5	785	336.08	55.61	-12.00	7.52	36.08	30.64	133.81	43.85	44.16	133.49	-5.32
		833	354.89	87.95	-6.70	6.95	74.29	33.25	131.36	35.39	37.40	129.35	-13.74
		813	256.77	92.06	5.77	23.94	73.89	35.18	1.18	-74.25	-5.10	-67.97	-20.84
		679	210.03	58.96	-0.20	22.28	36.48	28.71	3.93	-66.10	1.66	-63.83	-12.42
647	6	785	377.85	27.19	-11.25	6.36	9.58	19.15	156.62	42.80	43.17	156.24	-6.53
		833	394.59	49.28	-4.21	6.14	38.92	21.13	154.85	35.16	37.49	152.52	-16.53
		813	185.81	52.60	2.02	16.02	38.59	22.63	4.21	-54.74	-7.50	-43.03	-23.52
		679	133.58	30.27	-5.39	14.97	9.92	17.65	2.54	-43.68	-1.82	-39.31	-13.51
647	7	785	370.05	-2.96	-47.00	-4.00	-45.96	-6.69	143.48	39.00	40.47	142.01	-12.31
		833	383.60	-4.21	-65.09	-5.22	-64.09	-7.76	142.06	28.95	33.23	137.77	-21.59
		813	199.33	9.28	-64.76	8.21	-63.70	-8.82	8.78	-56.41	-8.69	-38.94	-28.87
		679	157.44	8.09	-46.93	7.51	-46.35	-5.63	7.62	-43.77	-1.44	-34.70	-19.59
647	8	785	283.05	-2.34	-41.85	-4.59	-39.60	-9.15	108.55	27.47	29.25	106.78	-11.87
		833	297.97	-3.76	-62.10	-5.68	-60.19	-10.40	108.07	20.37	24.85	103.59	-19.31
		813	173.55	7.32	-61.78	5.32	-59.79	-11.58	8.16	-47.26	-7.70	-31.40	-25.05
		679	134.34	6.19	-41.38	4.81	-40.00	-7.98	5.81	-37.33	-3.30	-28.22	-17.61
647	9	785	269.74	-1.79	-34.89	-2.70	-33.98	-5.41	104.53	28.39	29.66	103.26	-9.75
		833	280.32	-2.65	-48.95	-3.51	-48.09	-6.26	103.41	20.60	23.93	100.08	-16.26
		813	149.54	5.87	-48.74	4.94	-47.81	-7.07	6.78	-42.10	-6.18	-29.14	-21.58
		679	119.39	5.07	-34.80	4.53	-34.26	-4.60	6.53	-32.94	-0.45	-25.96	-15.06
647	10	785	267.82	-1.64	-37.24	-3.17	-35.71	-7.22	103.33	27.07	28.92	101.47	-11.74
		833	280.39	-2.64	-54.40	-4.00	-53.04	-8.28	102.23	19.11	23.25	98.09	-18.08
		813	164.58	5.51	-54.18	4.03	-52.71	-9.26	7.69	-45.82	-6.54	-31.59	-23.65
		679	132.13	4.65	-36.99	3.69	-36.03	-6.24	7.52	-36.59	-0.86	-28.21	-17.31
647	11	785	265.92	10.62	-9.19	3.15	-1.72	9.60	110.26	30.68	31.19	109.76	-6.33
		833	268.53	18.54	-4.17	2.89	11.49	10.51	108.92	24.08	26.18	106.83	-13.17
		813	128.74	21.71	-0.69	9.67	11.36	11.17	3.96	-41.23	-5.41	-31.85	-18.32
		679	96.52	14.12	-6.67	9.03	-1.59	8.94	3.65	-32.98	-0.40	-28.92	-11.49
648	1	679	129.06	15.18	-49.06	14.66	-48.53	5.78	21.42	-22.48	13.03	-16.09	-17.74
		813	90.18	13.38	-49.14	12.79	-48.56	6.00	-14.59	-29.99	-22.36	-22.23	7.70
		834	387.20	-7.16	-49.13	-7.98	-48.31	5.81	147.29	31.64	32.24	146.68	8.35
		786	392.04	-8.95	-49.68	-9.85	-48.78	5.98	156.12	64.33	67.63	152.82	-17.09
648	2	679	149.13	14.66	-51.71	14.41	-51.47	4.02	22.01	-30.88	12.98	-21.85	-19.90
		813	102.13	12.68	-59.66	12.56	-59.55	2.89	-18.84	-31.17	-22.61	-27.40	5.68
		834	387.28	-6.84	-59.60	-7.03	-59.42	3.12	144.47	32.04	32.49	144.02	7.09
		786	386.90	-8.34	-51.93	-8.67	-51.60	3.79	153.56	64.08	68.08	149.57	-18.49
648	3	679	154.38	13.88	-55.47	13.78	-55.37	2.63	22.97	-31.76	12.43	-21.21	-21.59

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		813	103.26	11.97	-67.76	11.97	-67.75	0.76	-20.24	-29.60	-23.02	-26.82	4.28
		834	391.51	-6.64	-67.72	-6.66	-67.69	1.23	143.92	32.11	32.40	143.63	5.64
		786	389.92	-8.05	-55.53	-8.15	-55.43	2.16	153.99	63.09	67.84	149.24	-20.23
648	4	679	177.43	151.28	-1.49	29.41	120.38	61.37	20.89	-29.28	19.68	-28.07	7.70
		813	255.52	301.75	-1.21	26.64	273.90	87.52	1.79	-54.65	-16.41	-36.45	26.38
		834	524.10	296.07	-43.24	-23.69	276.52	79.07	127.83	21.89	27.38	122.34	23.50
		786	389.30	145.47	-58.18	-30.48	117.76	69.82	131.06	63.13	63.48	130.72	4.82
648	5	679	209.54	114.27	-0.06	26.62	87.59	48.36	19.40	-45.61	19.33	-45.54	-2.19
		813	242.45	217.85	1.12	24.09	194.88	66.71	-11.12	-59.72	-18.82	-52.02	17.75
		834	460.32	212.80	-33.68	-17.67	196.79	60.74	127.76	25.67	28.80	124.63	17.61
		786	358.32	108.18	-45.50	-23.00	85.68	54.33	131.19	66.87	66.95	131.11	-2.33
648	6	679	90.48	55.24	-5.23	15.32	34.69	28.64	19.13	-10.17	18.84	-9.88	-2.89
		813	145.72	139.07	-1.34	13.98	123.74	43.79	-3.44	-37.41	-21.31	-19.55	16.96
		834	500.44	135.48	-22.44	-12.19	125.23	38.91	164.00	25.31	26.58	162.74	13.21
		786	423.83	50.21	-32.86	-15.86	33.21	33.52	172.82	66.31	66.73	172.40	-6.65
648	7	679	129.09	16.29	-44.66	15.39	-43.75	7.38	21.04	-25.77	13.08	-17.82	-17.59
		813	90.81	14.62	-42.30	13.45	-41.13	8.06	-15.12	-30.72	-22.05	-23.79	7.75
		834	373.65	-6.73	-42.58	-8.47	-40.84	7.71	144.06	31.57	32.22	143.40	8.55
		786	381.34	-8.79	-45.74	-10.48	-44.05	7.73	152.68	64.05	67.36	149.38	-16.79
648	8	679	116.94	11.69	-43.95	11.60	-43.86	2.18	17.15	-24.30	8.15	-15.30	-17.08
		813	78.69	10.07	-53.00	10.05	-52.99	0.83	-15.62	-22.75	-18.36	-20.01	3.47
		834	299.08	-6.03	-52.95	-6.06	-52.92	1.15	109.87	24.99	25.18	109.67	4.02
		786	300.97	-7.28	-44.03	-7.37	-43.94	1.86	118.48	47.60	51.69	114.38	-16.53
648	9	679	96.95	10.32	-34.05	9.97	-33.69	3.96	15.94	-18.75	10.32	-13.12	-12.79
		813	66.32	9.08	-34.81	8.71	-34.44	3.99	-11.25	-21.75	-15.70	-17.29	5.19
		834	277.07	-4.68	-34.80	-5.19	-34.29	3.90	105.43	22.68	23.11	104.99	5.98
		786	279.05	-5.84	-34.44	-6.43	-33.85	4.06	111.47	46.82	49.13	109.16	-12.00
648	10	679	110.85	9.58	-37.60	9.48	-37.49	2.21	16.79	-22.77	9.98	-15.97	-14.93
		813	73.85	8.28	-45.13	8.25	-45.11	1.08	-14.16	-21.75	-16.07	-19.84	3.29
		834	279.45	-4.41	-45.10	-4.45	-45.06	1.35	103.55	22.95	23.20	103.30	4.48
		786	277.84	-5.37	-37.66	-5.48	-37.55	1.94	110.27	46.16	49.25	107.17	-13.74
648	11	679	68.10	28.14	-5.26	10.34	12.54	16.66	14.41	-10.53	13.55	-9.67	-4.54
		813	83.56	71.35	-0.69	9.37	61.28	24.98	-5.12	-25.80	-15.12	-15.81	10.34
		834	330.39	68.64	-14.05	-7.52	62.12	22.29	114.71	19.17	19.97	113.91	8.68
		786	286.96	23.10	-21.16	-9.76	11.70	19.36	120.58	48.10	48.63	120.04	-6.19
649	1	786	226.40	-5.98	-15.13	-6.00	-15.12	0.33	93.98	40.76	41.95	92.80	-7.85
		834	238.56	-7.13	-35.74	-7.16	-35.71	-0.85	91.55	24.57	30.00	86.13	-18.27
		814	236.69	6.06	-35.43	5.97	-35.33	-1.97	-0.66	-81.05	-12.27	-69.44	-28.26
		685	196.41	5.43	-15.60	5.33	-15.50	1.45	4.41	-67.50	-0.32	-62.77	-17.84
649	2	786	222.79	-6.71	-20.48	-6.87	-20.32	-1.50	91.40	40.43	42.16	89.66	-9.24
		834	242.62	-7.95	-51.65	-8.20	-51.40	-3.33	89.96	23.75	30.23	83.48	-19.68
		814	254.58	5.64	-51.32	5.20	-50.88	-4.98	-0.33	-83.67	-12.05	-71.95	-28.98
		685	208.95	4.66	-20.83	4.66	-20.83	0.15	4.75	-70.64	-0.12	-65.77	-18.54
649	3	786	223.96	-7.01	-25.86	-7.61	-25.26	-3.31	90.87	39.28	41.77	88.39	-11.06
		834	249.04	-8.50	-64.45	-9.07	-63.89	-5.59	89.92	22.48	30.05	82.35	-21.29
		814	272.54	5.54	-64.12	4.69	-63.27	-7.63	0.35	-86.93	-11.98	-74.61	-30.39
		685	222.29	4.27	-25.93	4.22	-25.87	-1.27	5.25	-74.07	-0.25	-68.57	-20.15
649	4	786	314.59	220.79	-0.74	17.38	202.67	60.72	76.96	36.42	37.81	75.57	7.37
		834	412.52	432.64	7.25	20.56	419.33	74.07	63.04	28.00	28.79	62.25	-5.20
		814	581.44	433.97	1.59	19.02	416.54	85.04	-11.88	-115.65	-18.53	-109.00	-25.42
		685	392.95	217.77	4.36	16.67	205.46	49.74	-7.64	-97.55	-9.51	-95.67	-12.85
649	5	786	267.48	172.26	-2.17	12.27	157.82	48.07	72.62	38.85	38.85	72.62	0.11
		834	335.43	320.61	3.67	14.44	309.83	57.44	66.15	26.08	30.43	61.80	-12.46
		814	527.71	321.68	0.44	14.24	307.88	65.14	-9.14	-122.21	-17.31	-114.04	-29.27
		685	387.12	170.12	2.19	12.53	159.77	40.37	-6.03	-106.10	-8.89	-103.23	-16.70
649	6	786	311.48	101.80	-1.33	9.36	91.11	31.44	108.95	37.52	37.81	108.66	-4.55
		834	360.47	204.26	3.34	10.79	196.82	37.96	101.70	25.34	28.57	98.48	-15.37
		814	358.64	205.17	2.19	11.90	195.47	43.31	-1.94	-86.11	-15.34	-72.72	-30.79
		685	249.71	100.07	3.01	10.63	92.46	26.09	0.25	-68.89	-6.10	-62.53	-19.98
649	7	786	216.70	-4.89	-10.01	-5.62	-9.28	1.79	91.24	40.78	41.93	90.09	-7.52
		834	225.90	-6.66	-24.88	-6.70	-24.83	0.92	88.78	24.42	29.92	83.29	-17.99
		814	234.50	6.30	-24.52	6.30	-24.52	0.06	-1.18	-83.09	-12.41	-71.86	-28.17
		685	197.57	6.06	-10.04	5.61	-9.59	2.66	4.13	-69.58	-0.40	-65.06	-17.70
649	8	786	166.54	-5.95	-20.42	-6.72	-19.66	-3.24	67.48	29.63	31.40	65.71	-7.98
		834	187.82	-7.40	-51.97	-7.99	-51.38	-5.11	67.47	17.24	23.24	61.47	-16.30
		814	207.38	5.24	-51.68	4.42	-50.86	-6.79	-0.11	-65.50	-9.53	-56.08	-22.96
		685	166.34	4.06	-20.27	3.96	-20.17	-1.56	2.56	-55.77	-1.37	-51.83	-14.64
649	9	786	163.67	-3.90	-10.64	-3.93	-10.61	0.46	68.03	29.76	30.76	67.02	-6.12
		834	171.95	-4.69	-25.03	-4.70	-25.02	-0.37	66.06	17.54	21.55	62.05	-13.36
		814	173.68	3.87	-24.81	3.82	-24.77	-1.15	-0.23	-59.66	-8.57	-51.33	-20.63
		685	146.02	3.53	-10.97	3.42	-10.87	1.24	4.19	-49.91	0.64	-46.36	-13.40
649	10	786	162.37	-4.62	-16.45	-4.83	-16.24	-1.56	66.32	28.91	30.66	64.57	-7.90

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		834	177.78	-5.50	-40.94	-5.76	-40.68	-3.01	65.14	16.39	21.58	59.95	-15.03
		814	193.61	3.54	-40.71	3.11	-40.29	-4.30	0.33	-62.93	-8.40	-54.20	-21.82
		685	160.39	2.81	-16.63	2.80	-16.63	-0.27	4.66	-53.56	0.68	-49.59	-14.69
649	11	786	206.65	54.69	-1.68	4.60	48.41	17.74	76.22	28.08	28.47	75.83	-4.29
		834	231.42	108.51	0.92	5.27	104.16	21.19	71.62	18.05	20.76	68.91	-11.74
		814	235.45	109.11	1.47	7.12	103.46	24.00	-0.96	-62.46	-10.27	-53.15	-22.04
		685	172.91	53.81	1.66	6.36	49.11	14.93	1.86	-50.66	-2.57	-46.23	-14.59
650	1	685	174.43	12.53	-13.11	11.23	-11.80	5.63	16.87	-52.34	11.12	-46.59	-19.10
		814	143.61	10.36	-17.93	9.45	-17.02	5.00	-22.42	-56.47	-23.68	-55.22	6.42
		835	264.98	-8.19	-19.84	-11.18	-16.85	5.09	107.59	30.21	30.40	107.40	3.82
		803	295.79	-6.85	-17.97	-12.84	-11.97	5.54	124.03	57.19	65.20	116.03	-21.71
650	2	685	186.45	12.59	-21.27	12.00	-20.67	4.46	17.35	-54.26	11.65	-48.56	-19.38
		814	157.13	10.27	-34.22	10.12	-34.07	2.55	-22.51	-57.90	-23.58	-56.82	6.08
		835	277.34	-10.25	-34.38	-10.63	-33.99	3.03	108.12	30.41	30.61	107.91	3.98
		803	299.68	-10.64	-22.31	-12.20	-20.75	3.97	124.10	57.92	65.85	116.17	-21.48
650	3	685	201.26	13.22	-27.55	12.88	-27.21	3.70	17.79	-57.94	11.64	-51.79	-20.69
		814	171.80	10.90	-48.80	10.89	-48.79	0.52	-22.98	-60.12	-23.63	-59.47	4.88
		835	283.63	-10.23	-48.86	-10.28	-48.81	1.40	106.89	30.75	30.91	106.73	3.50
		803	299.87	-11.28	-27.70	-11.78	-27.20	2.82	122.97	57.61	66.18	114.40	-22.06
650	4	685	402.28	264.71	-22.41	-19.40	261.70	29.24	4.78	-79.31	3.09	-77.63	-11.79
		814	537.33	488.56	-25.72	-17.72	480.56	63.64	-25.47	-92.90	-26.97	-91.41	9.91
		835	533.18	488.58	-29.41	-23.95	483.12	52.90	86.16	23.73	23.73	86.16	-0.19
		803	395.81	264.62	-32.80	-27.33	259.15	39.99	108.68	45.05	53.79	99.94	-21.90
650	5	685	368.14	199.63	-16.25	-13.98	197.36	22.01	7.82	-81.93	5.85	-79.97	-13.13
		814	459.80	369.37	-19.00	-12.94	363.31	48.12	-25.66	-93.11	-26.74	-92.03	8.45
		835	479.68	369.37	-24.61	-20.51	365.28	39.95	96.69	24.95	24.96	96.68	0.78
		803	376.05	199.48	-27.40	-23.31	195.39	30.18	116.13	50.16	57.55	108.74	-20.81
650	6	685	231.80	126.18	-8.48	-5.87	123.57	18.56	13.76	-47.07	9.02	-42.33	-16.31
		814	280.93	247.25	-10.93	-5.46	241.77	37.19	-24.76	-55.73	-25.75	-54.74	5.44
		835	449.76	246.97	-18.57	-14.82	243.22	31.34	116.87	23.96	24.02	116.82	-2.29
		803	384.16	126.28	-21.30	-17.14	122.12	24.41	136.66	51.36	58.79	129.23	-24.05
650	7	685	175.20	12.82	-6.87	10.62	-4.66	6.21	16.42	-54.70	10.86	-49.14	-19.09
		814	142.97	11.28	-7.72	8.90	-5.33	6.30	-22.53	-58.92	-23.70	-57.75	6.42
		835	251.43	-1.39	-15.33	-11.61	-5.11	6.16	105.25	30.20	30.40	105.05	3.81
		803	287.74	-1.48	-16.72	-13.32	-4.88	6.35	121.93	56.69	64.96	113.66	-21.70
650	8	685	152.73	11.38	-23.10	11.11	-22.82	3.08	12.86	-43.95	7.67	-38.75	-16.37
		814	131.52	9.42	-39.52	9.41	-39.51	0.64	-18.23	-45.61	-18.82	-45.03	3.96
		835	217.39	-8.74	-39.56	-8.79	-39.50	1.30	81.56	23.95	24.06	81.45	2.46
		803	232.67	-9.66	-23.28	-10.10	-22.83	2.42	94.93	43.35	50.55	87.73	-17.88
650	9	685	128.92	8.37	-8.69	7.47	-7.79	3.82	12.79	-38.63	8.92	-34.77	-13.56
		814	105.38	6.85	-12.59	6.27	-12.01	3.28	-15.81	-41.49	-16.60	-40.70	4.44
		835	190.81	-5.70	-13.74	-7.53	-11.91	3.38	77.48	21.66	21.81	77.32	2.93
		803	211.04	-4.53	-12.01	-8.64	-7.90	3.72	88.74	41.85	47.34	83.25	-15.07
650	10	685	143.84	8.69	-16.65	8.39	-16.35	2.75	13.30	-41.75	9.21	-37.66	-14.44
		814	121.11	7.09	-29.69	7.08	-29.67	0.79	-16.10	-43.54	-16.58	-43.06	3.59
		835	201.18	-6.96	-29.74	-7.04	-29.66	1.33	77.09	21.96	22.10	76.95	2.75
		803	213.32	-7.50	-16.91	-8.05	-16.36	2.21	88.14	42.09	47.88	82.35	-15.27
650	11	685	158.98	69.11	-3.72	-2.02	67.41	11.00	11.07	-35.71	7.75	-32.40	-12.01
		814	177.30	135.03	-5.28	-2.01	131.76	21.17	-17.10	-41.08	-17.76	-40.43	3.90
		835	290.28	134.80	-11.79	-9.56	132.57	17.96	82.56	18.27	18.27	82.55	-0.47
		803	256.84	69.12	-13.54	-11.03	66.60	14.21	95.74	38.62	43.78	90.59	-16.37
651	1	803	141.41	13.00	-12.85	-11.30	11.45	-6.13	57.91	23.15	36.11	44.95	-16.81
		835	164.08	-9.87	-33.55	-13.37	-30.05	-8.40	64.64	12.17	31.07	45.73	-25.19
		816	336.48	13.78	-31.95	11.22	-29.38	-10.52	1.07	-115.88	-4.62	-110.18	-25.18
		687	309.05	14.47	6.41	10.09	10.79	-4.02	2.89	-113.44	0.41	-110.96	-16.80
651	2	803	138.45	5.29	-15.07	-12.11	2.33	-7.17	57.98	23.73	36.49	45.22	-16.56
		835	170.76	-11.62	-50.32	-14.36	-47.58	-9.93	64.96	12.67	31.41	46.22	-25.08
		816	345.51	13.97	-49.36	11.42	-46.81	-12.45	1.02	-114.92	-4.54	-109.36	-24.77
		687	308.20	12.31	-0.44	10.30	1.56	-4.65	2.88	-112.70	0.55	-110.36	-16.26
651	3	803	136.33	0.53	-17.96	-13.05	-4.38	-8.17	57.73	22.81	36.72	43.82	-17.09
		835	176.38	-12.89	-65.57	-15.49	-62.97	-11.42	64.99	11.78	31.67	45.10	-25.75
		816	359.63	14.26	-64.79	11.55	-62.09	-14.37	1.07	-116.32	-4.57	-110.68	-25.09
		687	317.05	12.02	-6.83	10.45	-5.25	-5.22	2.83	-114.32	0.48	-111.96	-16.44
651	4	803	259.77	262.39	9.17	9.83	261.73	12.87	56.10	10.93	29.12	37.91	-22.15
		835	377.06	449.67	11.46	12.75	448.38	23.73	60.51	-0.48	25.15	34.88	-30.11
		816	636.09	448.62	1.59	4.00	446.22	32.70	1.77	-129.74	-8.65	-119.33	-35.52
		687	496.88	263.96	2.60	2.65	263.90	3.91	1.76	-122.73	-4.68	-116.29	-27.56
651	5	803	241.14	199.20	4.57	4.80	198.97	6.69	60.51	16.00	30.94	45.57	-21.01
		835	329.13	331.64	5.92	6.56	331.00	14.41	66.24	4.59	27.08	43.75	-29.68
		816	534.63	330.83	3.95	5.27	329.51	20.72	1.75	-121.11	-8.22	-111.14	-33.55
		687	433.79	200.47	4.01	4.01	200.46	0.38	1.24	-114.91	-4.36	-109.31	-24.89
651	6	803	243.06	143.54	3.26	3.95	142.85	9.80	72.28	15.91	30.06	58.13	-24.44

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		835	304.97	232.57	4.03	5.02	231.58	15.00	76.73	6.56	26.48	56.81	-31.64
		816	450.21	232.23	4.34	5.98	230.60	19.23	4.89	-111.94	-6.46	-100.59	-34.59
		687	379.27	144.06	4.79	5.02	143.84	5.57	4.35	-106.51	-2.89	-99.27	-27.39
651	7	803	140.87	18.79	-12.23	-11.05	17.60	-5.94	56.79	22.41	36.08	43.11	-16.83
		835	157.69	-7.64	-24.77	-13.03	-19.37	-7.95	63.46	11.40	31.02	43.84	-25.23
		816	333.99	14.08	-21.72	11.13	-18.76	-9.85	0.97	-117.58	-4.70	-111.91	-25.29
		687	317.48	18.84	8.13	9.98	16.99	-4.05	2.83	-115.11	0.36	-112.64	-16.89
651	8	803	99.50	0.15	-15.05	-10.88	-4.02	-6.79	42.16	16.87	27.55	31.47	-12.49
		835	133.05	-10.71	-53.26	-12.90	-51.07	-9.40	48.85	8.58	24.56	32.86	-19.70
		816	274.62	11.98	-52.58	9.76	-50.36	-11.77	0.25	-88.20	-3.97	-83.97	-18.87
		687	239.79	10.13	-6.05	8.81	-4.73	-4.42	0.59	-86.94	-0.99	-85.36	-11.66
651	9	803	104.29	9.09	-8.82	-7.74	8.01	-4.25	42.83	17.23	26.63	33.43	-12.34
		835	119.29	-6.78	-23.57	-9.16	-21.19	-5.86	47.03	9.06	22.32	33.78	-18.10
		816	242.98	9.38	-22.52	7.59	-20.73	-7.34	1.06	-83.74	-3.06	-79.61	-18.24
		687	224.37	9.98	4.40	6.83	7.55	-2.77	3.13	-81.84	1.25	-79.96	-12.48
651	10	803	101.35	1.94	-11.43	-8.71	-0.78	-5.38	42.72	17.05	26.97	32.81	-12.50
		835	126.16	-8.51	-41.31	-10.34	-39.48	-7.53	47.22	8.85	22.65	33.43	-18.41
		816	255.84	9.63	-40.75	7.78	-38.90	-9.48	1.06	-83.99	-3.03	-79.90	-18.19
		687	228.02	8.26	-2.59	7.03	-1.36	-3.44	3.09	-82.32	1.29	-80.52	-12.28
651	11	803	159.01	81.28	0.47	0.73	81.01	4.60	50.75	13.27	23.27	40.76	-16.58
		835	192.38	124.57	0.64	1.05	124.16	7.15	53.76	5.93	19.77	39.93	-21.69
		816	298.59	124.41	3.98	4.68	123.70	9.19	3.04	-81.41	-4.08	-74.29	-23.47
		687	263.20	81.55	3.93	4.01	81.47	2.56	3.78	-77.83	-0.58	-73.46	-18.36
652	1	687	273.56	9.96	-11.88	7.20	-9.12	7.26	14.91	-90.10	11.75	-86.93	17.96
		816	310.78	15.41	-26.05	11.29	-21.92	12.41	-11.89	-113.84	-21.61	-104.13	29.93
		815	186.54	-9.91	-31.08	-17.67	-23.31	10.20	75.00	22.01	25.71	71.30	13.51
		686	213.70	-0.30	-19.79	-12.36	-7.73	9.46	88.57	58.98	59.06	88.50	1.53
652	2	687	276.62	9.70	-21.32	6.90	-18.52	8.89	14.99	-88.78	11.73	-85.52	18.09
		816	319.36	15.75	-42.91	10.87	-38.02	16.20	-11.86	-112.81	-21.77	-102.90	30.04
		815	199.70	-12.52	-46.25	-19.01	-39.75	13.30	76.68	22.05	25.61	73.12	13.47
		686	222.45	-3.07	-26.94	-13.21	-16.79	11.80	90.57	59.04	59.11	90.50	1.53
652	3	687	284.11	9.46	-29.42	6.74	-26.71	9.92	15.02	-89.54	11.72	-86.25	18.26
		816	331.86	16.00	-58.14	10.56	-52.71	19.32	-11.91	-113.72	-21.84	-103.79	30.21
		815	210.77	-14.00	-60.84	-20.08	-54.77	15.74	77.76	22.30	25.81	74.25	13.51
		686	229.35	-4.70	-33.78	-13.84	-24.65	13.50	91.86	59.29	59.37	91.79	1.56
652	4	687	405.86	211.89	11.51	17.34	206.06	-33.69	15.07	-93.02	13.96	-91.91	10.91
		816	584.36	425.04	2.16	25.20	402.01	-95.97	-15.02	-120.24	-20.53	-114.74	23.43
		815	428.55	425.78	10.92	25.45	411.26	-76.25	69.90	28.83	28.92	69.80	1.98
		686	345.78	211.38	1.07	15.65	196.81	-53.41	96.04	60.01	63.41	92.63	-10.54
652	5	687	335.89	148.50	11.31	15.07	144.75	-22.38	15.18	-82.34	14.06	-81.23	10.38
		816	483.68	313.14	5.10	22.07	296.17	-70.28	-15.36	-110.85	-21.18	-105.03	22.85
		815	393.10	313.43	6.11	16.38	303.16	-55.23	83.49	28.82	28.83	83.48	0.61
		686	341.84	147.90	-0.39	9.75	137.76	-37.43	110.32	61.03	64.06	107.28	-11.85
652	6	687	312.57	117.68	9.89	11.01	116.56	-10.91	17.46	-79.60	16.86	-78.99	7.62
		816	416.29	237.11	7.65	17.18	227.58	-45.79	-13.85	-104.12	-18.03	-99.94	18.98
		815	333.47	237.81	1.18	6.46	232.52	-34.97	78.30	28.81	28.81	78.29	-0.42
		686	304.20	115.80	-1.52	2.66	111.62	-21.74	102.78	60.16	63.71	99.24	-11.77
652	7	687	274.10	10.06	-7.02	7.52	-4.48	6.08	14.83	-91.57	11.57	-88.31	18.34
		816	308.66	15.16	-16.76	11.69	-13.29	9.94	-11.90	-115.41	-21.73	-105.58	30.34
		815	180.45	-7.38	-23.84	-16.75	-14.47	8.15	74.35	21.75	25.69	70.41	13.84
		686	209.74	1.42	-16.42	-11.72	-3.29	7.86	87.79	58.87	58.99	87.68	1.84
652	8	687	215.72	7.99	-24.38	5.65	-22.04	8.38	10.37	-68.02	8.11	-65.75	13.14
		816	253.35	13.46	-47.09	8.96	-42.59	15.88	-9.94	-86.39	-17.53	-78.80	22.85
		815	162.48	-11.86	-49.47	-17.07	-44.26	12.99	59.56	17.15	19.77	56.93	10.21
		686	176.09	-4.06	-28.16	-11.85	-20.36	11.27	69.99	45.40	45.41	69.98	0.49
652	9	687	198.27	6.71	-8.34	4.91	-6.54	4.89	11.55	-64.94	9.12	-62.51	13.41
		816	224.63	10.43	-18.55	7.65	-15.76	8.55	-8.10	-82.21	-15.16	-75.16	21.75
		815	135.04	-6.90	-21.71	-11.88	-16.72	7.00	54.25	15.88	18.57	51.56	9.79
		686	154.91	-0.35	-13.50	-8.27	-5.57	6.43	64.31	42.75	42.85	64.21	1.46
652	10	687	204.13	6.44	-18.09	4.66	-16.31	6.36	11.61	-64.63	9.11	-62.13	13.58
		816	236.34	10.76	-36.38	7.24	-32.86	12.39	-8.11	-82.14	-15.29	-74.97	21.90
		815	148.42	-9.16	-38.25	-13.22	-34.20	10.07	55.77	16.04	18.62	53.20	9.79
		686	163.55	-2.87	-21.19	-9.09	-14.97	8.68	66.13	42.92	43.02	66.04	1.48
652	11	687	216.06	63.77	6.55	7.03	63.29	-5.21	12.80	-58.93	11.96	-58.10	7.67
		816	276.21	127.70	6.07	10.92	122.85	-23.79	-9.31	-76.69	-13.17	-72.83	15.66
		815	209.72	128.00	-1.06	1.53	125.41	-18.09	55.56	20.17	20.29	55.44	2.05
		686	201.28	62.63	-1.83	0.07	60.73	-10.90	71.53	44.08	45.43	70.18	-5.93
653	1	686	361.85	-4.80	-21.20	-20.56	-5.43	-3.17	152.65	96.24	96.68	152.21	4.93
		815	338.78	-13.94	-16.39	-14.12	-16.20	-0.65	127.70	6.19	11.63	122.26	-25.13
		842	212.33	1.94	-16.86	1.91	-16.82	-0.81	59.19	-28.45	-6.90	37.64	-37.73
		810	202.28	9.94	-5.43	9.32	-4.81	-3.00	82.18	63.55	78.15	67.59	-7.67
653	2	686	370.34	-15.60	-20.30	-20.24	-15.66	-0.53	154.38	96.20	96.62	153.96	4.89

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		815	354.54	-13.89	-31.91	-14.24	-31.56	2.50	129.57	6.18	11.60	124.15	-25.28
		842	224.64	1.58	-32.17	1.34	-31.93	2.84	60.55	-28.17	-7.00	39.37	-37.82
		810	201.50	8.76	-15.32	8.73	-15.29	-0.87	82.42	64.78	78.02	69.19	-7.64
653	3	686	380.35	-19.29	-25.81	-19.72	-25.38	1.62	156.73	96.91	97.30	156.34	4.82
		815	369.59	-13.35	-46.91	-14.15	-46.11	5.12	131.41	6.16	11.62	125.95	-25.58
		842	237.83	1.71	-46.97	0.98	-46.24	5.94	62.15	-28.35	-7.09	40.90	-38.37
		810	208.92	8.35	-25.27	8.33	-25.25	0.81	83.70	66.16	78.58	71.28	-7.97
653	4	686	505.15	254.59	-40.71	-23.65	237.53	-68.89	153.96	98.87	100.83	152.00	-10.20
		815	612.45	389.94	-23.31	-6.70	373.33	-81.16	131.27	2.36	13.66	119.98	-36.45
		842	485.93	390.24	-7.21	17.21	365.82	-95.44	72.84	-36.02	-1.79	38.62	-50.54
		810	357.80	257.75	10.46	23.17	245.04	-54.61	103.39	52.63	85.38	70.64	-24.29
653	5	686	495.56	184.29	-34.56	-21.85	171.57	-51.19	167.83	99.06	101.12	165.78	-11.71
		815	580.49	286.00	-20.10	-7.79	273.69	-60.16	145.41	2.45	13.79	134.07	-38.64
		842	451.71	286.35	-5.30	13.22	267.84	-71.11	83.58	-34.35	-2.07	51.31	-52.58
		810	344.48	187.06	9.40	19.03	177.42	-40.23	109.81	58.46	85.25	83.02	-25.65
653	6	686	450.71	155.41	-30.71	-22.98	147.68	-37.13	156.06	96.53	98.79	153.81	-11.37
		815	520.89	230.91	-18.92	-11.12	223.11	-43.45	137.71	2.93	14.97	125.67	-38.45
		842	391.71	230.60	-4.25	7.79	218.56	-51.79	76.04	-34.47	-1.28	42.86	-50.65
		810	301.05	157.97	7.84	13.58	152.23	-28.78	101.03	52.50	82.53	71.00	-23.57
653	7	686	359.20	0.19	-21.66	-20.57	-0.90	-4.76	152.36	96.31	96.80	151.88	5.20
		815	331.54	-7.67	-14.92	-13.89	-8.70	-2.53	126.98	6.17	11.52	121.64	-24.85
		842	206.40	3.07	-10.17	2.36	-9.46	-2.99	58.67	-28.51	-6.99	37.15	-37.59
		810	203.78	11.38	-1.74	9.77	-0.14	-4.30	82.14	63.54	78.29	67.39	-7.54
653	8	686	287.34	-17.25	-21.07	-17.44	-20.89	0.82	117.89	73.00	73.47	117.42	4.57
		815	285.08	-11.77	-37.81	-12.31	-37.26	3.73	101.32	5.15	9.71	96.76	-20.44
		842	179.23	1.78	-37.94	1.32	-37.48	4.25	46.09	-21.82	-5.87	30.14	-28.79
		810	150.24	7.86	-20.68	7.86	-20.68	0.30	59.52	49.17	57.88	50.80	-3.77
653	9	686	263.88	-3.71	-13.92	-13.55	-4.08	-1.91	111.39	70.25	70.49	111.15	3.11
		815	244.50	-9.37	-11.90	-9.38	-11.89	-0.18	91.92	4.30	8.03	88.20	-17.67
		842	155.45	1.09	-12.26	1.09	-12.26	-0.21	43.57	-20.37	-4.69	27.89	-27.51
		810	150.87	6.31	-4.06	5.96	-3.71	-1.87	61.88	46.74	57.78	50.84	-6.73
653	10	686	274.19	-12.83	-15.40	-13.08	-15.16	0.76	113.66	70.62	70.83	113.45	3.05
		815	261.64	-8.93	-28.97	-9.39	-28.51	3.03	93.99	4.29	8.02	90.25	-17.92
		842	169.56	1.00	-29.03	0.57	-28.60	3.54	45.22	-20.32	-4.79	29.70	-27.86
		810	154.48	5.41	-15.06	5.41	-15.06	0.24	62.81	48.10	58.02	52.89	-6.89
653	11	686	309.84	85.29	-19.20	-14.89	80.99	-20.77	112.90	70.81	71.66	112.04	-5.94
		815	342.40	125.38	-12.02	-7.71	121.06	-23.96	97.29	2.69	9.88	90.09	-25.07
		842	251.95	125.24	-2.38	4.36	118.51	-28.54	52.88	-23.67	-1.57	30.79	-34.69
		810	204.27	86.88	4.99	8.32	83.54	-16.19	72.47	40.47	60.21	52.74	-15.56
654	1	810	104.80	8.45	-2.88	4.04	1.53	-5.53	44.81	22.58	25.70	41.69	7.72
		842	105.10	5.03	-26.57	4.04	-25.58	-5.51	42.47	16.99	26.57	32.89	-12.34
		819	131.31	-1.93	-26.86	-3.22	-25.58	-5.51	15.09	-33.72	9.19	-27.82	-15.91
		689	71.97	5.17	-6.86	-3.22	1.53	-5.53	8.93	-19.64	8.31	-19.02	4.15
654	2	810	113.73	5.73	-10.20	3.77	-8.24	-5.24	46.53	22.50	25.60	43.43	8.06
		842	115.53	4.36	-42.36	3.77	-41.77	-5.22	43.29	17.89	26.59	34.58	-12.06
		819	135.46	-2.43	-42.46	-3.12	-41.77	-5.22	15.11	-32.10	9.17	-26.17	-15.65
		689	65.55	0.15	-11.51	-3.12	-8.24	-5.24	8.95	-18.09	8.19	-17.32	4.47
654	3	810	122.78	4.75	-18.67	3.49	-17.41	-5.29	48.26	22.69	25.68	45.27	8.21
		842	127.38	3.94	-58.11	3.49	-57.66	-5.27	44.57	18.49	26.74	36.33	-12.13
		819	141.50	-2.48	-58.17	-2.98	-57.66	-5.27	15.35	-31.00	9.16	-24.82	-15.76
		689	67.65	-1.25	-19.14	-2.98	-17.41	-5.29	8.95	-16.71	8.10	-15.87	4.57
654	4	810	248.56	226.58	10.42	11.21	225.79	-13.03	48.09	24.07	26.01	46.14	-6.56
		842	352.80	387.24	10.75	11.21	386.78	-13.12	58.05	5.28	25.86	37.47	-25.74
		819	353.55	387.22	-4.74	-4.30	386.78	-13.12	26.36	-40.10	8.98	-22.72	-29.21
		689	205.36	226.52	-5.03	-4.30	225.79	-13.03	12.87	-17.78	9.14	-14.04	-10.03
654	5	810	241.62	163.77	8.72	9.45	163.04	-10.58	60.15	24.39	25.22	59.32	-5.37
		842	318.15	282.85	9.03	9.45	282.44	-10.65	65.74	10.33	26.00	50.07	-24.96
		819	260.65	282.84	-4.22	-3.82	282.44	-10.65	29.36	-31.31	8.84	-10.79	-28.70
		689	130.03	163.71	-4.49	-3.82	163.04	-10.58	13.56	-7.05	8.06	-1.54	-9.12
654	6	810	203.51	142.28	7.78	7.87	142.18	-3.62	51.00	23.28	24.82	49.46	-6.35
		842	268.21	237.74	7.81	7.87	237.68	-3.68	59.71	6.68	25.62	40.78	-25.41
		819	257.29	237.73	-4.43	-4.37	237.68	-3.68	27.20	-36.83	8.90	-18.54	-28.93
		689	141.22	142.27	-4.46	-4.37	142.18	-3.62	12.47	-14.22	8.11	-9.86	-9.87
654	7	810	103.95	11.02	-1.09	4.18	5.75	-6.01	44.56	22.51	25.79	41.28	7.85
		842	100.66	5.68	-19.64	4.18	-18.13	-5.99	42.15	16.93	26.60	32.49	-12.26
		819	128.47	-1.10	-20.24	-3.21	-18.13	-5.99	14.98	-34.05	9.19	-28.26	-15.82
		689	76.06	8.76	-6.22	-3.21	5.75	-6.01	9.02	-20.11	8.38	-19.47	4.29
654	8	810	95.79	4.56	-15.49	3.48	-14.42	-4.51	37.13	15.72	18.46	34.39	7.16
		842	96.90	3.88	-47.44	3.48	-47.04	-4.49	33.35	14.57	20.60	27.32	-8.77
		819	110.20	-1.62	-47.49	-2.07	-47.04	-4.49	11.42	-23.84	6.98	-19.40	-11.70
		689	51.31	-0.59	-15.89	-2.07	-14.42	-4.51	5.82	-13.31	4.84	-12.33	4.22
654	9	810	75.54	5.47	-2.24	2.49	0.73	-3.75	32.29	17.34	19.39	30.23	5.15

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		842	77.07	3.15	-18.94	2.49	-18.28	-3.74	31.08	12.14	19.15	24.07	-9.15
		819	94.33	-1.53	-19.12	-2.37	-18.28	-3.74	11.06	-24.16	6.69	-19.79	-11.61
		689	52.72	3.24	-4.88	-2.37	0.73	-3.75	7.28	-13.98	6.93	-13.63	2.69
654	10	810	85.33	3.20	-10.80	2.19	-9.79	-3.62	34.21	17.40	19.38	32.23	5.42
		842	89.19	2.52	-36.44	2.19	-36.11	-3.61	32.25	12.98	19.24	25.98	-9.03
		819	99.92	-1.85	-36.49	-2.23	-36.11	-3.61	11.21	-22.65	6.68	-18.12	-11.52
		689	49.63	-0.78	-11.25	-2.23	-9.79	-3.62	7.26	-12.33	6.82	-11.88	2.92
654	11	810	127.68	78.97	4.53	4.62	78.87	-2.70	34.99	18.46	18.90	34.55	-2.67
		842	162.77	128.03	4.56	4.62	127.97	-2.73	40.67	6.41	18.62	28.45	-16.41
		819	159.01	128.03	-3.07	-3.01	127.97	-2.73	17.56	-25.66	6.54	-14.63	-18.84
		689	89.58	78.96	-3.10	-3.01	78.87	-2.70	8.36	-10.08	6.82	-8.54	-5.10
655	1	689	51.24	0.48	-14.65	-4.07	-10.10	-6.93	-3.20	-18.62	-3.33	-18.48	1.45
		819	132.90	-2.22	-30.01	-4.07	-28.16	-6.92	23.10	-27.13	21.20	-25.22	-9.59
		817	191.39	2.68	-29.72	1.13	-28.16	-6.92	15.05	-55.18	12.36	-52.50	-13.47
		809	117.78	4.43	-13.41	1.13	-10.10	-6.93	-12.00	-45.93	-12.17	-45.76	-2.43
655	2	689	52.79	-1.53	-22.15	-3.94	-19.74	-6.62	-3.22	-16.94	-3.45	-16.70	1.77
		819	137.56	-2.88	-45.09	-3.94	-44.03	-6.61	23.06	-25.40	21.20	-23.54	-9.31
		817	196.48	2.05	-44.98	1.10	-44.03	-6.61	15.00	-53.50	12.34	-50.83	-13.24
		809	119.08	3.03	-21.66	1.10	-19.74	-6.62	-12.17	-44.14	-12.31	-44.00	-2.16
655	3	689	54.78	-2.19	-30.80	-3.82	-29.18	-6.63	-3.36	-15.45	-3.65	-15.16	1.85
		819	143.81	-3.05	-60.60	-3.82	-59.83	-6.61	23.26	-24.04	21.32	-22.10	-9.37
		817	203.42	1.88	-60.54	1.17	-59.83	-6.61	15.13	-52.34	12.37	-49.58	-13.36
		809	121.40	2.55	-30.56	1.17	-29.18	-6.63	-12.46	-42.78	-12.61	-42.63	-2.13
655	4	689	183.56	209.87	-6.78	-5.88	208.97	-13.91	4.71	-23.20	-2.95	-15.54	-12.46
		819	353.62	377.71	-6.39	-5.88	377.20	-14.01	31.26	-31.31	21.08	-21.12	-23.09
		817	410.14	377.73	2.75	3.28	377.20	-14.01	22.43	-58.04	12.48	-48.08	-26.49
		809	244.65	209.91	2.34	3.28	208.97	-13.91	-4.87	-49.18	-11.55	-42.50	-15.85
655	5	689	119.22	148.18	-6.02	-5.18	147.33	-11.40	8.12	-15.05	-4.15	-2.77	-11.56
		819	260.00	276.07	-5.65	-5.18	275.61	-11.47	33.05	-21.19	21.08	-9.22	-22.50
		817	316.82	276.09	2.61	3.10	275.61	-11.47	23.75	-48.02	12.29	-36.56	-26.29
		809	173.27	148.23	2.20	3.10	147.33	-11.40	-3.93	-39.13	-12.94	-30.12	-15.36
655	6	689	125.24	131.37	-5.22	-5.04	131.19	-4.94	5.45	-20.33	-3.66	-11.21	-12.32
		819	259.67	237.61	-5.15	-5.04	237.51	-5.00	31.35	-28.25	20.63	-17.53	-22.90
		817	315.20	237.62	2.04	2.15	237.51	-5.00	22.69	-54.71	12.11	-44.13	-26.60
		809	186.77	131.38	1.96	2.15	131.19	-4.94	-4.48	-45.52	-12.18	-37.81	-16.02
655	7	689	49.77	2.30	-12.64	-4.11	-6.24	-7.40	-3.13	-19.04	-3.29	-18.88	1.59
		819	129.86	-1.35	-23.93	-4.11	-21.17	-7.39	23.09	-27.43	21.24	-25.58	-9.49
		817	188.04	3.40	-23.39	1.18	-21.17	-7.39	15.01	-55.48	12.39	-52.85	-13.36
		809	116.31	5.74	-10.80	1.18	-6.24	-7.40	-11.99	-46.30	-12.14	-46.15	-2.28
655	8	689	39.27	-1.46	-24.63	-2.73	-23.35	-5.28	-3.20	-11.11	-3.76	-10.54	2.04
		819	110.58	-2.14	-49.78	-2.73	-49.20	-5.27	17.43	-18.02	16.12	-16.71	-6.69
		817	156.51	1.53	-49.74	0.99	-49.20	-5.27	11.30	-39.71	9.21	-37.61	-10.12
		809	89.73	2.08	-24.45	0.99	-23.35	-5.28	-10.58	-31.54	-10.67	-31.45	-1.39
655	9	689	39.30	0.08	-10.72	-2.97	-7.67	-4.86	-1.63	-13.92	-1.68	-13.87	0.80
		819	96.31	-1.67	-21.19	-2.97	-19.89	-4.85	16.90	-19.67	15.46	-18.23	-7.11
		817	138.24	1.86	-20.98	0.78	-19.89	-4.85	11.01	-39.90	9.10	-37.98	-9.69
		809	87.32	3.00	-9.88	0.78	-7.67	-4.86	-7.91	-33.74	-8.04	-33.62	-1.77
655	10	689	41.23	-1.51	-19.57	-2.83	-18.26	-4.69	-1.75	-12.12	-1.86	-12.02	1.02
		819	102.32	-2.21	-38.11	-2.83	-37.49	-4.68	16.99	-17.96	15.53	-16.50	-6.99
		817	144.92	1.37	-38.05	0.80	-37.49	-4.68	11.06	-38.31	9.10	-36.36	-9.63
		809	89.33	1.89	-19.35	0.80	-18.26	-4.69	-8.17	-31.99	-8.28	-31.88	-1.61
655	11	689	77.14	71.02	-3.70	-3.51	70.83	-3.75	2.08	-13.77	-1.86	-9.83	-6.85
		819	161.06	127.81	-3.62	-3.51	127.70	-3.79	21.14	-19.95	15.14	-13.95	-14.51
		817	200.73	127.82	1.23	1.35	127.70	-3.79	14.93	-39.30	8.96	-33.33	-16.98
		809	121.87	71.03	1.14	1.35	70.83	-3.75	-4.52	-32.73	-8.04	-29.20	-9.33
656	1	809	146.72	0.89	-26.13	0.14	-25.38	-4.43	-10.52	-53.04	-14.10	-49.45	-11.81
		817	190.87	0.80	-29.92	0.14	-29.27	-4.44	13.68	-56.23	13.46	-56.00	-3.96
		818	169.75	13.54	-29.73	13.08	-29.27	-4.44	22.60	-39.17	21.13	-37.70	-9.40
		688	128.12	13.58	-25.89	13.08	-25.38	-4.43	2.43	-40.01	-6.43	-31.15	-17.25
656	2	809	147.27	0.61	-35.36	0.16	-34.91	-3.99	-10.64	-51.24	-14.25	-47.64	-11.54
		817	196.25	0.52	-44.90	0.16	-44.55	-4.01	13.65	-54.53	13.44	-54.32	-3.72
		818	174.72	13.84	-44.82	13.57	-44.55	-4.01	22.56	-37.47	21.11	-36.01	-9.24
		688	128.33	13.89	-35.24	13.57	-34.91	-3.99	2.55	-38.46	-6.58	-29.33	-17.06
656	3	809	149.56	0.55	-44.90	0.23	-44.59	-3.77	-10.76	-50.06	-14.57	-46.25	-11.62
		817	203.28	0.47	-60.25	0.23	-60.01	-3.80	13.71	-53.31	13.50	-53.10	-3.74
		818	181.47	14.48	-60.20	14.28	-60.01	-3.80	22.75	-36.18	21.22	-34.65	-9.37
		688	130.47	14.52	-44.83	14.28	-44.59	-3.77	2.87	-37.51	-6.85	-27.80	-17.26
656	4	809	256.92	193.04	0.48	1.43	192.08	-13.52	-0.23	-60.35	-13.69	-46.89	-25.07
		817	406.11	363.87	0.96	1.43	363.39	-13.13	17.72	-56.65	13.59	-52.52	-17.03
		818	373.86	363.86	-0.43	0.04	363.39	-13.13	29.15	-41.24	21.48	-33.57	-21.94
		688	230.69	193.03	-0.90	0.04	192.08	-13.52	15.08	-48.82	-5.80	-27.94	-29.98
656	5	809	192.31	132.20	0.78	1.58	131.41	-10.18	1.68	-51.35	-15.18	-34.49	-24.70

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		817	313.24	266.58	1.21	1.58	266.21	-9.88	18.13	-45.88	13.47	-41.23	-16.63
		818	283.62	266.58	2.81	3.18	266.21	-9.88	30.72	-31.59	21.38	-22.26	-22.24
		688	175.42	132.21	2.38	3.18	131.41	-10.18	19.19	-41.98	-7.27	-15.52	-30.31
656	6	809	208.54	119.92	1.22	1.36	119.77	-4.14	0.32	-57.10	-14.39	-42.39	-25.06
		817	315.31	235.90	1.30	1.36	235.84	-3.88	17.68	-53.35	13.22	-48.90	-17.23
		818	287.25	235.90	2.64	2.71	235.84	-3.88	29.49	-38.92	20.92	-30.35	-22.64
		688	191.41	119.92	2.56	2.71	119.77	-4.14	16.39	-46.93	-6.69	-23.85	-30.48
656	7	809	145.39	1.19	-22.86	0.14	-21.82	-4.91	-10.60	-53.26	-14.07	-49.79	-11.67
		817	187.52	1.14	-23.89	0.14	-22.89	-4.92	13.70	-56.50	13.49	-56.29	-3.84
		818	166.38	13.63	-23.55	12.96	-22.89	-4.92	22.59	-39.31	21.17	-37.89	-9.26
		688	126.71	13.64	-22.50	12.96	-21.82	-4.91	2.28	-40.06	-6.39	-31.39	-17.09
656	8	809	110.48	0.48	-35.77	0.25	-35.55	-2.82	-9.09	-36.83	-12.08	-33.84	-8.60
		817	155.30	0.42	-49.38	0.25	-49.22	-2.85	10.22	-40.04	10.08	-39.89	-2.69
		818	139.47	11.92	-49.35	11.79	-49.22	-2.85	17.20	-27.20	15.89	-25.89	-7.50
		688	97.57	11.96	-35.72	11.79	-35.55	-2.82	1.98	-28.08	-6.27	-19.83	-13.41
656	9	809	108.11	0.61	-18.94	0.09	-18.41	-3.17	-6.98	-38.87	-9.48	-36.38	-8.56
		817	138.49	0.56	-21.18	0.09	-20.71	-3.18	10.06	-40.85	9.90	-40.68	-2.87
		818	122.60	9.33	-21.05	8.99	-20.71	-3.18	16.44	-28.38	15.46	-27.41	-6.53
		688	93.60	9.35	-18.77	8.99	-18.41	-3.17	2.02	-29.04	-3.91	-23.10	-12.22
656	10	809	109.70	0.40	-29.34	0.14	-29.08	-2.80	-7.13	-37.20	-9.74	-34.60	-8.45
		817	145.38	0.34	-38.00	0.14	-37.79	-2.82	10.08	-39.22	9.93	-39.07	-2.75
		818	129.12	9.83	-37.96	9.66	-37.79	-2.82	16.52	-26.72	15.51	-25.71	-6.52
		688	94.94	9.86	-29.28	9.66	-29.08	-2.80	2.22	-27.61	-4.15	-21.24	-12.22
656	11	809	136.51	62.38	0.62	0.76	62.23	-3.01	-1.46	-40.63	-9.64	-32.45	-15.92
		817	201.23	126.64	0.70	0.76	126.57	-2.87	11.93	-38.89	9.77	-36.73	-10.24
		818	179.93	126.64	3.16	3.23	126.57	-2.87	19.82	-27.80	15.35	-23.33	-13.89
		688	122.63	62.39	3.07	3.23	62.23	-3.01	9.40	-32.51	-4.06	-19.05	-19.57
657	1	688	152.99	7.95	-22.04	6.04	-20.14	7.31	31.31	-28.95	30.85	-28.49	-5.27
		818	151.43	14.79	-30.93	11.84	-27.98	11.23	-13.68	-53.50	-18.45	-48.73	12.92
		841	247.83	-13.09	-34.61	-18.32	-29.38	9.23	97.56	28.97	-28.98	97.55	-0.74
		690	304.12	-5.28	-25.18	-11.72	-18.74	9.31	125.40	70.68	78.28	117.80	-18.93
657	2	688	152.97	7.63	-30.44	5.38	-28.19	8.97	31.27	-27.29	30.75	-26.76	-5.53
		818	157.08	15.06	-45.89	11.19	-42.02	14.86	-13.65	-51.93	-18.53	-47.06	12.76
		841	261.37	-15.01	-48.93	-20.20	-43.74	12.21	99.32	29.00	-29.01	99.31	-0.96
		690	312.82	-6.34	-33.18	-13.05	-26.47	11.63	127.18	70.71	78.28	119.60	-19.25
657	3	688	154.96	7.33	-38.67	4.85	-36.18	10.40	31.55	-26.20	30.91	-25.56	-6.05
		818	164.19	15.52	-61.49	10.77	-56.74	18.53	-13.80	-50.81	-18.69	-45.92	12.53
		841	276.35	-17.07	-64.31	-22.54	-58.84	15.12	101.52	29.34	29.36	101.50	-1.27
		690	323.14	-7.49	-41.26	-14.66	-34.08	13.81	129.64	71.18	78.96	121.86	-19.86
657	4	688	242.74	165.93	20.07	23.31	162.69	-21.49	40.77	-32.69	36.70	-28.63	-16.79
		818	355.54	361.05	10.12	28.98	342.19	-79.13	-13.81	-52.12	-13.84	-52.10	0.92
		841	469.98	362.10	25.89	37.20	350.79	-60.63	101.25	30.34	33.41	98.18	-14.42
		690	418.91	165.60	15.08	26.58	154.09	-39.98	140.06	65.54	83.95	121.65	-32.14
657	5	688	197.56	114.06	17.78	18.99	112.85	-10.71	42.91	-24.52	36.36	-17.97	-19.96
		818	264.65	266.24	11.88	24.67	253.45	-55.58	-14.07	-42.02	-14.12	-41.96	-1.23
		841	441.60	267.04	17.95	25.01	259.98	-41.34	113.68	30.67	34.35	110.00	-17.09
		690	419.33	112.89	11.38	17.94	106.33	-24.96	152.86	65.97	84.84	133.99	-35.82
657	6	688	214.14	110.33	15.20	15.62	109.91	-6.29	40.96	-31.10	35.88	-26.02	-18.44
		818	271.16	242.67	11.09	20.49	233.27	-45.68	-13.66	-49.65	-13.67	-49.64	-0.46
		841	398.08	243.96	16.40	21.34	239.02	-33.16	102.57	29.72	33.43	98.86	-16.01
		690	388.21	107.98	11.22	15.03	104.17	-18.81	142.05	63.42	82.98	122.48	-33.99
657	7	688	151.87	8.15	-19.32	6.45	-17.62	6.63	31.28	-28.97	30.85	-28.54	-5.08
		818	148.00	14.75	-24.93	12.29	-22.47	9.57	-13.63	-53.69	-18.51	-48.81	13.10
		841	244.72	-12.09	-29.07	-17.45	-23.71	7.89	97.74	28.95	28.96	97.73	-0.58
		690	302.69	-5.01	-22.44	-11.09	-16.37	8.30	125.47	70.86	78.31	118.01	-18.75
657	8	688	118.59	6.16	-31.73	3.95	-29.52	8.88	23.84	-20.09	23.15	-19.39	-5.47
		818	124.27	12.93	-49.39	8.94	-45.40	15.26	-11.07	-37.88	-14.74	-34.21	9.22
		841	213.36	-14.09	-51.85	-18.86	-47.09	12.54	77.99	22.58	22.60	77.97	-1.04
		690	248.61	-6.14	-34.03	-12.34	-27.82	11.60	99.19	54.10	60.50	92.79	-15.74
657	9	688	110.45	5.40	-15.56	4.15	-14.32	4.95	22.94	-20.59	22.69	-20.34	-3.29
		818	110.46	10.10	-22.35	8.08	-20.33	7.84	-9.53	-38.98	-13.06	-35.44	9.58
		841	178.92	-9.13	-24.69	-12.50	-21.32	6.41	70.36	20.86	20.86	70.36	-0.51
		690	219.70	-3.72	-17.57	-7.97	-13.33	6.38	90.71	51.38	56.62	85.46	-13.37
657	10	688	111.54	5.06	-24.80	3.49	-23.23	6.67	23.06	-19.04	22.73	-18.71	-3.73
		818	117.56	10.51	-39.33	7.49	-36.31	11.89	-9.59	-37.49	-13.20	-33.88	9.36
		841	194.74	-11.30	-41.23	-14.85	-37.68	9.67	72.56	21.06	21.07	72.55	-0.80
		690	230.25	-4.94	-26.52	-9.60	-21.86	8.88	93.07	51.65	57.00	87.72	-13.89
657	11	688	139.18	58.07	9.33	9.47	57.93	-2.61	27.89	-21.37	25.49	-18.96	-10.61
		818	168.14	129.65	8.04	12.89	124.81	-23.78	-10.23	-36.12	-10.41	-35.95	2.14
		841	255.17	130.23	7.10	9.53	127.79	-17.15	72.72	21.70	23.33	71.09	-8.99
		690	261.40	56.67	5.18	6.89	54.95	-9.24	99.73	47.56	59.23	88.07	-21.74
658	1	690	269.90	-5.34	-16.23	-16.01	-5.56	-1.54	112.99	73.95	73.95	112.99	-0.16

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		841	350.84	-12.18	-36.47	-12.47	-36.17	2.67	137.18	32.11	50.25	119.05	-39.71
		836	179.30	13.79	-36.10	13.34	-35.65	4.70	-1.68	-62.22	-14.94	-48.97	-25.03
		804	183.03	19.95	-6.58	19.47	-6.09	-3.56	11.91	-58.17	8.77	-55.02	14.51
658	2	690	277.68	-13.45	-16.71	-16.47	-13.69	0.85	114.81	73.93	73.94	114.81	-0.38
		841	363.31	-12.16	-49.67	-13.01	-48.83	5.57	138.81	32.24	50.28	120.77	-39.97
		836	181.45	14.52	-49.15	13.50	-48.13	7.99	-1.10	-61.39	-14.98	-47.51	-25.39
		804	184.64	19.99	-14.46	19.92	-14.38	-1.57	11.76	-56.56	8.67	-53.47	14.20
658	3	690	286.15	-15.44	-23.01	-17.05	-21.39	3.10	116.78	74.76	74.78	116.77	-0.81
		841	378.18	-12.17	-64.18	-13.61	-62.74	8.53	141.10	32.42	50.60	122.93	-40.56
		836	189.24	16.02	-63.52	14.33	-61.82	11.49	-1.15	-62.38	-15.15	-48.39	-25.71
		804	193.72	21.24	-22.30	21.24	-22.30	0.15	11.99	-57.51	9.03	-54.55	14.04
658	4	690	389.62	207.27	-18.25	-4.35	193.37	-54.24	116.23	72.24	77.91	110.56	-14.74
		841	566.95	328.23	-13.41	0.37	314.45	-67.22	147.39	23.82	54.75	116.46	-53.53
		836	364.27	327.91	-23.21	-4.78	309.48	-78.31	12.00	-80.83	-9.86	-58.97	-39.39
		804	331.68	206.92	-18.62	-10.04	198.34	-43.15	13.31	-64.87	13.30	-64.87	-0.61
658	5	690	387.33	153.34	-16.78	-7.34	143.90	-38.95	128.76	72.63	78.83	122.56	-17.60
		841	545.73	245.31	-12.70	-3.16	235.77	-48.68	158.92	24.42	55.57	127.78	-56.74
		836	314.77	245.04	-17.13	-3.99	231.90	-57.20	16.86	-79.88	-9.98	-53.04	-43.31
		804	276.69	153.53	-13.13	-7.38	147.77	-30.44	13.52	-58.50	13.27	-58.26	-4.17
658	6	690	358.47	150.70	-15.66	-8.23	143.27	-34.37	117.55	70.03	76.01	111.56	-15.76
		841	509.40	235.45	-12.60	-4.77	227.62	-43.38	148.46	22.88	55.13	116.21	-54.86
		836	317.06	234.91	-18.27	-7.48	224.13	-51.13	15.71	-80.22	-9.52	-54.99	-42.23
		804	278.06	151.13	-15.34	-10.97	146.76	-26.62	11.49	-59.77	11.36	-59.64	-3.14
658	7	690	269.32	-2.71	-16.24	-15.78	-3.17	-2.44	113.28	74.05	74.05	113.28	-0.03
		841	348.15	-12.07	-31.70	-12.19	-31.58	1.53	137.34	32.23	50.21	119.36	-39.59
		836	177.28	13.59	-31.39	13.34	-31.14	3.36	-1.86	-62.04	-15.01	-48.89	-24.87
		804	181.41	20.10	-4.38	19.33	-3.61	-4.27	12.05	-58.19	8.83	-54.97	14.69
658	8	690	216.48	-13.81	-18.52	-14.98	-17.35	2.04	88.03	56.28	56.28	88.03	0.34
		841	288.95	-10.84	-51.71	-11.89	-50.66	6.47	107.55	25.34	39.73	93.16	-31.24
		836	145.90	13.47	-51.19	12.25	-49.97	8.80	-1.55	-47.81	-12.14	-37.22	-19.44
		804	149.23	18.14	-18.04	18.14	-18.04	-0.29	7.37	-45.31	4.41	-42.35	12.14
658	9	690	197.07	-4.20	-10.67	-10.58	-4.28	-0.72	82.51	54.05	54.06	82.50	-0.61
		841	254.51	-8.00	-26.03	-8.27	-25.76	2.20	99.41	22.97	35.75	86.62	-28.53
		836	129.06	9.34	-25.75	8.96	-25.37	3.65	-0.82	-44.77	-10.45	-35.14	-18.18
		804	132.34	13.34	-4.94	13.08	-4.68	-2.17	9.79	-41.20	7.86	-39.27	9.74
658	10	690	206.14	-10.03	-14.21	-11.16	-13.08	1.86	84.63	54.49	54.52	84.60	-0.97
		841	269.74	-7.99	-41.44	-8.91	-40.52	5.46	101.59	23.13	35.95	88.78	-29.00
		836	134.49	10.60	-41.00	9.51	-39.91	7.42	-0.53	-44.86	-10.57	-34.82	-18.56
		804	138.29	14.07	-13.69	14.07	-13.69	-0.10	9.84	-40.84	8.01	-39.00	9.48
658	11	690	242.88	82.45	-10.31	-6.26	78.40	-18.96	84.63	52.28	55.21	81.71	-9.28
		841	335.84	125.03	-8.23	-3.99	120.79	-23.38	105.43	18.08	38.47	85.05	-36.95
		836	198.62	124.83	-8.48	-2.61	118.95	-27.36	8.82	-54.75	-7.44	-38.49	-27.74
		804	181.07	82.82	-6.41	-3.82	80.24	-14.97	9.30	-41.83	9.30	-41.83	-0.07
659	1	804	216.03	6.23	-7.23	3.29	-4.29	5.56	4.42	-76.69	3.19	-75.46	9.90
		836	266.94	9.29	-32.28	4.21	-27.20	13.61	-3.71	-92.87	-9.23	-87.36	21.48
		820	109.82	-7.46	-34.19	-12.97	-28.68	10.81	36.99	34.09	34.50	36.58	1.00
		691	143.84	2.76	-15.36	-9.78	-2.82	8.36	58.31	37.09	46.92	48.48	-10.58
659	2	804	216.43	5.51	-14.09	2.32	-10.90	7.23	4.28	-75.27	3.14	-74.12	9.49
		836	270.96	9.02	-44.24	3.07	-38.29	16.78	-3.83	-91.46	-9.29	-86.00	21.18
		820	117.76	-8.48	-45.78	-14.27	-39.99	13.50	38.09	34.55	34.69	37.95	0.69
		691	149.90	0.54	-20.55	-10.82	-9.19	10.51	59.56	37.38	47.11	49.83	-11.01
659	3	804	227.89	4.51	-19.67	1.24	-16.40	8.27	3.96	-78.45	2.77	-77.26	9.81
		836	287.89	8.64	-58.52	1.72	-51.60	20.42	-3.65	-94.18	-9.22	-88.61	21.76
		820	119.33	-10.20	-59.82	-16.31	-53.71	16.31	36.92	33.25	35.09	35.09	1.84
		691	146.84	-0.91	-25.74	-12.36	-14.29	12.38	56.87	36.64	47.08	46.43	-10.11
659	4	804	351.79	172.51	22.88	29.50	165.89	-30.75	6.98	-90.77	6.80	-90.59	-4.16
		836	477.08	322.66	16.88	36.93	302.61	-75.69	-4.42	-104.31	-5.14	-103.59	8.45
		820	268.56	321.91	10.80	23.53	309.18	-61.63	48.20	15.18	40.44	22.93	-14.00
		691	252.33	172.31	4.67	17.66	159.33	-44.82	72.01	16.30	52.38	35.93	-26.61
659	5	804	319.71	131.03	19.00	23.22	126.81	-21.32	6.77	-88.61	6.12	-87.95	-7.87
		836	418.51	247.84	15.02	29.49	233.36	-56.23	-4.91	-101.04	-5.27	-100.67	5.91
		820	237.58	247.25	5.86	14.71	238.40	-45.37	53.12	16.12	42.63	26.60	-16.67
		691	246.89	130.42	1.98	10.63	121.77	-32.18	78.00	15.35	54.03	39.32	-30.45
659	6	804	308.53	131.98	18.53	21.44	129.06	-17.94	7.96	-83.22	7.04	-82.30	-9.10
		836	410.91	253.11	14.40	27.51	240.00	-54.39	-5.44	-97.07	-5.61	-96.90	4.02
		820	260.38	253.12	8.49	16.29	245.32	-42.99	58.17	15.68	41.64	32.21	-20.72
		691	266.05	130.95	4.36	11.57	123.74	-29.34	84.60	16.51	54.30	46.80	-33.84
659	7	804	215.31	6.53	-5.23	3.70	-2.41	5.03	4.45	-76.85	3.15	-75.56	10.17
		836	264.88	9.45	-28.26	4.72	-23.53	12.49	-3.61	-93.03	-9.26	-87.38	21.75
		820	107.82	-7.10	-30.40	-12.58	-24.92	9.88	37.16	33.75	34.43	36.48	1.37
		691	141.88	3.49	-13.98	-9.47	-1.02	7.64	57.81	37.34	46.85	48.30	-10.21
659	8	804	172.46	4.26	-16.71	1.57	-14.02	7.02	2.16	-59.28	1.34	-58.47	7.04

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		836	219.50	7.73	-47.34	2.14	-41.75	16.63	-3.49	-71.33	-7.77	-67.04	16.50
		820	93.03	-8.63	-48.57	-13.76	-43.44	13.35	28.20	25.65	26.84	27.01	1.27
		691	114.37	-1.05	-21.72	-10.45	-12.32	10.29	43.97	27.57	35.96	35.58	-8.20
659	9	804	157.54	4.02	-4.97	1.97	-2.92	3.77	3.86	-55.70	2.91	-54.75	7.46
		836	193.77	6.09	-23.02	2.52	-19.45	9.55	-2.23	-67.37	-6.23	-63.38	15.62
		820	78.74	-5.11	-24.21	-8.83	-20.50	7.56	26.68	24.49	24.93	26.23	0.89
		691	102.96	1.98	-10.50	-6.65	-1.88	5.77	41.75	27.18	34.07	34.87	-7.28
659	10	804	164.12	3.03	-11.84	0.83	-9.65	5.28	3.60	-56.68	2.67	-55.75	7.41
		836	205.40	5.73	-37.60	1.14	-33.01	13.33	-2.20	-68.10	-6.22	-64.08	15.78
		820	83.98	-6.63	-38.45	-10.68	-34.40	10.61	26.68	23.98	25.27	25.40	1.35
		691	104.61	-0.16	-16.17	-8.08	-8.25	8.00	40.96	26.93	34.16	33.73	-7.02
659	11	804	206.37	72.59	10.63	12.06	71.16	-9.28	5.20	-58.70	5.05	-58.55	-3.09
		836	265.88	135.62	8.83	15.46	128.99	-28.23	-3.68	-69.22	-4.22	-68.68	5.92
		820	152.34	135.61	3.54	7.43	131.72	-22.33	37.82	14.88	28.90	23.81	-11.18
		691	166.01	71.89	1.76	5.22	68.43	-15.18	56.36	15.74	38.17	33.93	-20.20
660	1	691	217.06	9.90	-7.06	-7.04	9.89	-0.57	91.27	58.96	63.82	86.41	11.55
		820	231.36	-5.23	-18.96	-5.91	-18.27	2.99	94.63	35.83	48.06	82.40	-23.87
		837	207.76	7.80	-18.51	6.71	-17.41	5.26	-6.45	-77.61	-13.11	-70.95	-20.72
		805	197.86	12.58	6.77	10.33	9.02	-2.84	5.63	-69.92	2.65	-66.94	14.70
660	2	691	217.86	4.51	-7.01	-6.83	4.33	1.44	92.46	59.63	64.14	87.96	11.30
		820	240.87	-4.61	-28.75	-5.89	-27.48	5.40	96.14	36.01	48.25	83.90	-24.21
		837	211.33	8.53	-28.29	6.69	-26.45	8.02	-6.24	-77.39	-13.15	-70.47	-21.08
		805	193.78	10.63	3.12	10.44	3.30	-1.17	5.62	-69.31	2.73	-66.42	14.43
660	3	691	214.12	1.47	-7.30	-6.01	0.17	3.12	91.46	58.66	64.73	85.39	12.74
		820	242.38	-3.66	-41.93	-5.42	-40.17	8.01	93.82	36.70	48.70	81.82	-23.27
		837	225.07	10.20	-41.44	7.53	-38.77	11.43	-7.99	-80.56	-13.68	-74.86	-19.52
		805	212.32	11.68	-1.23	11.67	-1.23	-0.31	5.87	-74.82	2.35	-71.29	16.49
660	4	691	266.81	175.31	-49.07	-31.09	157.33	-60.91	73.34	62.11	67.21	68.24	-5.59
		820	403.30	279.99	-36.23	-19.37	263.13	-71.05	99.13	18.44	53.74	63.84	-40.03
		837	411.98	282.47	-12.43	12.65	257.38	-82.27	7.95	-106.14	-6.41	-91.78	-37.84
		805	348.65	178.23	0.11	15.26	163.08	-49.69	7.19	-87.50	7.07	-87.38	-3.41
660	5	691	260.13	137.69	-45.39	-30.45	122.75	-50.12	79.96	63.57	70.01	73.52	-8.00
		820	383.39	215.98	-33.52	-19.59	202.04	-57.30	105.93	18.51	55.75	68.69	-43.23
		837	390.75	218.80	-6.64	14.75	197.41	-66.06	9.80	-111.72	-6.40	-95.52	-41.31
		805	331.62	141.34	4.85	18.81	127.38	-41.36	8.23	-91.06	7.86	-90.69	-6.09
660	6	691	280.56	141.51	-46.12	-32.17	127.56	-49.22	86.88	59.74	67.50	79.12	-12.26
		820	409.82	234.40	-34.57	-21.37	221.20	-58.10	111.20	16.06	55.35	71.91	-46.84
		837	382.47	236.45	-11.35	9.05	216.05	-68.11	17.99	-105.22	-4.72	-82.52	-47.77
		805	295.84	144.31	0.18	11.78	132.71	-39.22	9.48	-77.35	7.43	-75.30	-13.19
660	7	691	217.70	11.71	-7.25	-7.17	11.64	-1.21	91.34	58.72	63.88	86.19	11.90
		820	228.70	-5.44	-15.98	-5.94	-15.48	2.25	94.29	36.04	47.96	82.37	-23.51
		837	206.39	7.76	-15.53	6.89	-14.67	4.41	-6.94	-77.69	-13.24	-71.39	-20.15
		805	201.68	14.05	7.30	10.52	10.83	-3.37	5.85	-70.74	2.68	-67.57	15.26
660	8	691	162.31	0.15	-6.68	-5.99	-0.54	2.07	69.34	42.98	48.37	63.95	10.63
		820	185.28	-3.92	-34.47	-5.19	-33.20	6.09	71.36	28.48	38.17	61.67	-17.93
		837	173.53	8.79	-34.02	6.90	-32.12	8.81	-6.74	-61.69	-10.95	-57.48	-14.62
		805	163.74	10.61	-1.66	10.57	-1.62	-0.65	2.61	-58.56	-0.75	-55.20	13.94
660	9	691	158.09	6.98	-4.34	-4.34	6.98	-0.09	66.29	43.60	46.89	63.00	7.99
		820	167.38	-3.13	-13.47	-3.71	-12.89	2.38	68.45	25.75	34.27	59.92	-17.07
		837	150.01	5.24	-13.17	4.32	-12.25	4.01	-4.43	-56.08	-9.19	-51.31	-14.94
		805	143.78	8.26	4.79	6.70	6.35	-1.72	5.33	-50.15	3.42	-48.24	10.12
660	10	691	156.34	2.22	-4.40	-3.76	1.59	1.95	66.38	43.45	47.40	62.43	8.65
		820	173.54	-2.27	-26.22	-3.44	-25.05	5.17	67.99	26.23	34.63	59.60	-16.73
		837	159.53	6.58	-25.92	4.78	-24.12	7.44	-5.28	-57.71	-9.51	-53.49	-14.27
		805	150.84	7.46	0.64	7.45	0.65	-0.32	5.46	-52.86	3.26	-50.66	11.11
660	11	691	187.02	79.85	-25.79	-18.30	72.36	-27.12	61.19	46.70	48.93	58.95	-5.24
		820	261.60	127.29	-19.44	-12.31	120.16	-31.56	77.06	15.36	38.32	54.10	-29.83
		837	244.41	128.45	-5.37	5.62	117.45	-36.75	8.94	-71.21	-4.53	-57.74	-29.97
		805	196.91	81.56	1.01	7.51	75.06	-21.94	6.57	-53.37	6.08	-52.88	-5.38
661	1	805	239.63	7.44	-0.63	0.87	5.94	3.15	-0.11	-88.84	-1.41	-87.54	10.64
		837	284.71	6.35	-6.96	1.78	-2.39	6.32	-9.86	-109.56	-15.74	-103.68	23.50
		821	89.84	-0.22	-12.38	-9.55	-3.06	5.14	34.38	27.77	32.14	30.00	-3.13
		692	147.10	7.81	-8.95	-7.75	6.61	4.33	62.29	30.32	46.48	46.14	-15.98
661	2	805	237.69	5.69	-3.38	-0.06	2.37	4.37	-0.19	-89.01	-1.44	-87.76	10.45
		837	289.96	5.73	-14.73	0.68	-9.68	8.82	-9.88	-109.55	-15.76	-103.67	23.48
		821	92.99	-3.38	-17.85	-10.69	-10.55	7.24	34.36	27.98	32.48	29.85	-2.90
		692	149.15	5.70	-11.14	-8.67	3.24	5.95	62.23	30.33	46.80	45.76	-15.94
661	3	805	253.65	3.52	-6.31	-1.61	-1.18	4.91	-0.51	-94.75	-2.28	-92.99	12.78
		837	314.24	4.38	-26.98	-1.32	-21.28	12.10	-9.42	-115.40	-16.12	-108.70	25.79
		821	90.93	-6.23	-28.27	-11.94	-22.56	9.65	32.13	26.57	32.11	26.59	-0.39
		692	140.53	4.07	-13.52	-9.55	0.10	7.35	57.65	30.60	45.95	42.30	-13.40
661	4	805	355.03	124.13	23.52	36.20	111.45	-33.39	6.07	-107.67	5.44	-107.04	-8.45

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		837	458.10	233.32	21.22	44.46	210.08	-66.24	-9.48	-124.63	-9.76	-124.35	5.67
		821	236.67	229.26	-2.54	12.05	214.66	-56.29	55.53	2.61	42.11	16.03	-23.02
		692	273.24	123.44	-6.44	10.14	106.87	-43.34	84.35	6.29	57.30	33.34	-37.14
661	5	805	360.99	96.12	18.73	30.44	84.40	-27.74	5.63	-116.45	4.73	-115.55	-10.42
		837	438.80	172.37	18.57	37.43	153.50	-50.45	-9.27	-132.12	-9.48	-131.91	5.02
		821	204.46	168.16	-7.49	4.18	156.50	-43.74	57.16	0.53	45.30	12.40	-23.05
		692	263.44	94.53	-9.05	4.07	81.40	-34.45	85.58	2.68	59.51	28.75	-38.49
661	6	805	321.73	98.89	22.87	32.10	89.67	-24.82	10.69	-100.18	6.82	-96.32	-20.34
		837	408.27	202.28	20.66	39.91	183.03	-55.91	-8.46	-115.15	-8.66	-114.95	-4.64
		821	281.70	198.77	-2.19	9.22	187.37	-46.50	74.86	1.14	47.10	28.90	-35.72
		692	329.28	98.24	-5.49	7.42	85.33	-34.23	107.02	3.09	62.58	47.54	-51.41
661	7	805	243.56	8.64	0.22	1.19	7.67	2.69	-0.03	-89.86	-1.49	-88.39	11.39
		837	286.01	6.80	-4.88	2.14	-0.22	5.72	-9.62	-110.50	-15.80	-104.32	24.20
		821	86.64	1.12	-11.42	-9.43	-0.88	4.58	33.00	27.78	31.91	28.87	-2.12
		692	142.16	9.19	-8.50	-7.63	8.32	3.82	60.45	30.56	46.22	44.79	-14.93
661	8	805	192.32	2.95	-5.98	-0.77	-2.26	4.40	-1.30	-71.84	-2.55	-70.59	9.32
		837	239.62	4.22	-22.85	-0.38	-18.26	10.16	-7.90	-87.62	-13.05	-82.47	19.59
		821	70.92	-5.44	-24.14	-10.27	-19.30	8.18	24.57	20.46	24.53	20.50	-0.39
		692	109.38	2.57	-11.98	-8.20	-1.21	6.38	44.46	22.95	35.03	32.38	-10.67
661	9	805	175.95	5.47	-0.49	0.29	4.69	2.01	0.64	-64.73	-0.41	-63.69	8.19
		837	207.49	4.15	-4.93	0.83	-1.61	4.38	-6.61	-79.70	-10.94	-75.38	17.25
		821	63.89	-0.13	-8.38	-6.41	-2.09	3.52	24.39	20.14	23.21	21.32	-1.91
		692	104.39	5.91	-5.95	-5.21	5.17	2.87	44.35	22.40	33.74	33.00	-10.97
661	10	805	182.01	2.95	-3.30	-1.08	0.73	2.99	0.42	-68.03	-0.89	-66.72	9.38
		837	223.89	2.93	-15.93	-0.89	-12.11	7.58	-6.37	-82.95	-11.15	-78.16	18.53
		821	64.55	-3.78	-16.89	-7.74	-12.93	6.02	23.23	19.39	23.19	19.42	-0.38
		692	100.82	3.66	-8.31	-6.21	1.56	4.55	41.78	22.54	33.45	30.87	-9.54
661	11	805	218.22	55.98	12.87	17.64	51.21	-13.52	5.27	-69.67	4.17	-68.56	-9.02
		837	273.46	111.58	11.83	22.02	101.40	-30.20	-6.97	-81.67	-7.01	-81.64	1.62
		821	164.20	109.69	-1.98	4.01	103.70	-25.17	46.84	5.38	31.51	20.71	-20.01
		692	202.10	55.49	-3.37	3.22	48.91	-18.55	69.21	7.26	42.69	33.78	-30.65
662	1	692	200.12	8.74	-19.77	-15.09	4.06	-10.56	83.17	59.44	59.90	82.71	3.28
		821	221.51	0.20	-17.41	-11.02	-6.19	-8.46	91.95	26.75	45.51	73.20	-29.51
		838	235.15	14.26	-9.73	10.97	-6.43	-8.25	5.10	-81.12	-9.99	-66.04	-32.75
		806	160.76	22.44	-2.09	16.04	4.31	-10.77	4.41	-56.53	4.41	-56.53	0.04
662	2	692	201.05	6.69	-18.81	-14.82	2.71	-9.26	83.17	60.00	60.61	82.56	3.71
		821	219.36	-4.54	-17.99	-10.96	-11.57	-6.71	92.02	27.21	45.86	73.36	-29.34
		838	238.74	12.63	-13.17	11.09	-11.63	-6.11	4.05	-82.68	-10.25	-68.38	-32.19
		806	168.71	21.53	-2.42	16.34	2.77	-9.86	4.50	-59.19	4.49	-59.17	0.87
662	3	692	200.32	2.55	-16.48	-13.06	-0.87	-7.31	82.54	58.35	60.19	80.69	6.42
		821	216.45	-8.48	-22.60	-9.83	-21.25	-4.16	88.80	28.52	45.71	71.61	-27.22
		838	235.80	11.01	-21.23	10.74	-20.97	-2.89	1.38	-82.02	-11.18	-69.46	-29.83
		806	172.48	19.48	-4.71	15.92	-1.14	-8.57	3.53	-60.61	3.30	-60.38	3.81
662	4	692	246.57	99.82	-51.02	-28.21	77.01	-54.04	84.29	51.01	69.28	66.01	-16.56
		821	370.64	153.41	-36.11	-16.01	133.31	-58.35	108.93	6.92	57.06	58.79	-51.00
		838	341.78	161.36	-4.17	28.00	129.19	-65.50	25.20	-104.50	-0.60	-78.70	-51.78
		806	249.89	110.37	5.93	35.17	81.13	-46.89	15.10	-74.95	11.62	-71.47	-17.34
662	5	692	235.31	76.64	-45.27	-24.87	56.24	-45.51	86.31	54.12	74.27	66.16	-15.58
		821	350.35	99.71	-32.92	-14.11	80.90	-46.27	112.19	7.81	60.41	59.59	-52.19
		838	356.36	110.22	-0.99	30.99	78.24	-50.34	22.30	-113.88	-1.51	-90.06	-51.73
		806	266.13	91.81	6.72	39.62	58.90	-41.44	14.68	-85.82	12.35	-83.49	-15.12
662	6	692	297.89	80.57	-51.67	-31.30	60.20	-47.74	107.70	49.50	74.23	82.97	-28.77
		821	427.73	136.52	-36.46	-18.86	118.93	-52.29	131.56	2.78	62.31	72.03	-64.21
		838	409.47	144.64	-4.24	25.74	114.67	-59.70	42.92	-114.57	2.51	-74.17	-68.78
		806	259.33	91.99	5.39	32.93	64.46	-40.33	26.78	-75.57	14.43	-63.22	-33.34
662	7	692	197.22	10.90	-19.53	-14.89	6.26	-10.93	82.07	58.93	59.78	81.21	4.36
		821	217.58	1.78	-16.99	-10.86	-4.34	-8.80	90.18	27.23	45.29	72.12	-28.48
		838	232.07	14.83	-8.34	11.06	-4.57	-8.55	3.50	-81.11	-10.30	-67.31	-31.26
		806	163.10	23.49	-0.86	16.14	6.49	-11.18	4.23	-58.26	4.19	-58.22	1.57
662	8	692	151.57	1.36	-14.15	-11.36	-1.43	-5.96	62.37	42.89	44.81	60.45	5.82
		821	165.70	-7.54	-19.51	-8.53	-18.53	-3.29	67.69	22.09	35.87	53.91	-20.94
		838	180.57	9.49	-18.50	9.30	-18.32	-2.25	0.45	-62.58	-9.04	-53.09	-22.54
		806	130.45	16.47	-4.34	13.77	-1.64	-7.00	0.28	-46.94	-0.10	-46.56	4.22
662	9	692	145.39	6.48	-13.13	-9.98	3.34	-7.20	60.43	43.78	44.10	60.12	2.26
		821	159.23	0.41	-11.61	-7.31	-3.90	-5.76	66.16	19.42	32.41	53.16	-20.94
		838	168.96	9.59	-6.32	7.30	-4.04	-5.58	3.54	-58.61	-7.02	-48.06	-23.33
		806	118.63	15.30	-1.12	10.70	3.48	-7.38	4.67	-41.10	4.67	-41.10	-0.14
662	10	692	145.42	3.05	-11.30	-8.86	0.60	-5.39	60.02	43.24	44.26	59.00	4.00
		821	155.55	-5.07	-13.84	-6.64	-12.26	-3.37	64.41	20.39	32.52	52.28	-19.67
		838	169.29	7.53	-12.46	7.18	-12.12	-2.60	1.48	-59.12	-7.68	-49.96	-21.71
		806	124.91	13.53	-2.45	10.63	0.46	-6.16	4.13	-43.31	4.05	-43.23	1.96
662	11	692	193.14	46.39	-30.86	-18.99	34.53	-27.85	72.24	40.08	52.05	60.27	-15.55

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		821	272.19	75.96	-22.00	-11.66	65.61	-30.11	87.70	6.55	41.74	52.51	-40.21
		838	261.05	81.04	-2.29	15.51	63.24	-34.16	24.36	-77.00	-0.07	-52.57	-43.35
		806	165.73	53.73	3.24	20.08	36.90	-23.80	15.98	-50.55	10.24	-44.81	-18.68
663	1	806	222.84	6.73	-26.97	6.67	-26.91	1.43	0.24	-75.99	-0.15	-75.61	-5.43
		838	257.41	8.50	-20.38	8.50	-20.37	-0.49	-11.41	-95.86	-12.18	-95.09	8.01
		822	181.48	-4.43	-20.27	-4.43	-20.27	-0.09	73.07	21.96	38.88	56.15	-24.06
		693	259.58	-3.25	-27.05	-3.30	-27.01	1.02	102.75	23.80	50.92	75.64	-37.49
663	2	806	231.60	5.96	-25.84	5.85	-25.73	1.87	-0.33	-79.94	-0.55	-79.72	-4.18
		838	269.47	7.51	-23.18	7.46	-23.13	1.33	-11.31	-99.68	-12.32	-98.67	9.39
		822	171.49	-5.17	-23.34	-5.26	-23.25	1.30	68.44	22.47	38.87	52.05	-22.02
		693	246.75	-3.74	-25.77	-3.91	-25.60	1.90	97.84	23.80	50.64	70.99	-35.59
663	3	806	229.51	4.60	-29.63	4.32	-29.34	3.13	-1.31	-78.89	-1.35	-78.85	-1.69
		838	273.89	5.98	-30.14	5.61	-29.77	3.62	-11.77	-99.94	-13.33	-98.38	11.63
		822	174.72	-5.27	-30.47	-5.70	-30.03	3.29	68.08	23.89	37.65	54.32	-20.47
		693	247.87	-3.86	-29.55	-4.33	-29.08	3.47	97.63	25.85	49.64	73.84	-33.79
663	4	806	286.34	42.54	-4.10	29.36	9.08	-21.00	17.58	-91.21	11.41	-85.04	-25.17
		838	298.75	81.52	7.69	35.49	53.72	-35.77	-0.54	-104.87	-1.93	-103.49	-11.94
		822	280.23	70.12	-12.92	1.68	55.53	-31.61	92.70	7.81	50.11	50.40	-42.45
		693	338.36	30.38	-20.14	2.97	7.27	-25.17	121.89	10.40	63.44	68.85	-55.68
663	5	806	320.39	30.81	-10.27	23.09	-2.55	-16.05	13.37	-106.72	9.40	-102.75	-21.46
		838	323.21	41.42	-1.94	27.47	12.01	-20.25	-1.65	-120.29	-2.11	-119.83	-7.36
		822	229.82	25.14	-16.87	-3.90	12.18	-19.41	83.16	8.98	51.75	40.39	-36.65
		693	300.32	15.02	-18.80	-1.06	-2.71	-16.89	111.21	9.54	63.27	57.47	-50.75
663	6	806	334.84	36.36	-6.07	28.79	1.50	-16.24	29.39	-100.42	13.73	-84.77	-42.27
		838	308.82	73.27	9.42	35.33	47.35	-31.36	6.77	-109.61	0.65	-103.49	-25.99
		822	346.02	60.96	-13.25	-1.45	49.17	-27.13	116.41	0.04	59.89	56.56	-58.16
		693	417.28	20.38	-20.57	0.12	-0.31	-20.47	148.58	-0.33	72.97	75.28	-74.45
663	7	806	224.19	6.72	-24.47	6.69	-24.44	0.96	-0.18	-77.26	-0.36	-77.08	-3.71
		838	259.98	8.53	-18.24	8.50	-18.22	-0.85	-11.37	-97.40	-12.44	-96.33	9.53
		822	170.97	-4.35	-18.15	-4.37	-18.14	-0.48	69.47	22.51	38.13	53.86	-22.13
		693	247.64	-3.20	-24.54	-3.22	-24.52	0.59	98.84	24.48	50.21	73.11	-35.37
663	8	806	172.93	4.09	-24.44	3.77	-24.12	3.03	-1.80	-59.30	-1.85	-59.24	-1.83
		838	207.35	5.36	-25.24	4.94	-24.81	3.59	-9.76	-75.32	-10.93	-74.15	8.67
		822	137.68	-4.85	-25.59	-5.38	-25.07	3.25	53.06	18.24	28.77	42.53	-15.99
		693	194.28	-3.55	-24.42	-4.11	-23.86	3.37	75.89	19.40	37.85	57.44	-26.49
663	9	806	162.70	4.44	-18.02	4.41	-18.00	0.78	0.65	-55.67	0.48	-55.50	-3.04
		838	188.02	5.62	-13.59	5.61	-13.57	-0.53	-7.79	-70.20	-8.46	-69.53	6.42
		822	125.97	-2.78	-13.51	-2.79	-13.50	-0.24	51.07	16.09	27.90	39.27	-16.54
		693	181.35	-2.05	-18.08	-2.06	-18.07	0.50	72.33	17.80	36.84	53.30	-25.99
663	10	806	166.53	3.23	-19.48	3.10	-19.35	1.73	-0.17	-57.32	-0.18	-57.31	-0.96
		838	197.22	4.14	-18.93	4.00	-18.80	1.76	-7.98	-72.47	-9.10	-71.35	8.43
		822	122.20	-3.32	-19.09	-3.49	-18.92	1.63	48.29	17.18	27.21	38.26	-14.55
		693	174.87	-2.43	-19.42	-2.64	-19.22	1.85	69.48	18.95	37.13	52.30	-23.94
663	11	806	217.30	20.33	-5.83	16.70	-2.21	-9.04	15.46	-67.86	8.19	-60.59	-23.51
		838	209.14	40.05	4.52	20.52	24.05	-17.68	0.74	-76.27	-1.33	-74.19	-12.47
		822	214.57	32.09	-8.15	-1.13	25.08	-15.27	75.02	4.05	39.56	39.50	-35.49
		693	265.24	9.85	-13.25	-0.16	-3.24	-11.44	97.67	4.53	49.09	53.10	-46.53
664	1	693	336.62	-13.08	-55.74	-13.10	-55.71	-0.97	132.60	58.89	66.95	124.53	-23.01
		822	369.07	-7.53	-39.48	-7.64	-39.37	-1.85	142.15	22.48	51.60	113.03	-51.35
		839	270.18	13.56	-41.26	13.22	-40.91	-4.31	70.70	-44.16	7.47	19.07	-57.13
		807	169.16	17.20	-54.20	17.17	-54.17	1.49	55.75	-2.35	22.82	30.58	-28.79
664	2	693	321.86	-12.27	-51.56	-12.28	-51.55	-0.50	127.31	60.07	67.08	120.30	-20.55
		822	357.41	-7.24	-39.25	-7.26	-39.22	-0.97	137.85	23.39	51.80	109.45	-49.44
		839	255.99	12.74	-40.70	12.57	-40.53	-2.99	64.46	-44.64	6.62	13.21	-54.45
		807	146.66	16.50	-50.28	16.46	-50.25	1.52	48.56	-2.61	21.90	24.05	-25.56
664	3	693	328.40	-12.19	-55.57	-12.21	-55.55	0.89	128.76	59.85	65.75	122.86	-19.28
		822	360.52	-7.30	-43.32	-7.30	-43.32	0.41	138.03	24.24	50.58	111.70	-47.99
		839	255.12	12.12	-44.65	12.08	-44.61	-1.58	65.22	-42.12	5.87	17.23	-53.37
		807	152.43	15.99	-54.38	15.87	-54.26	2.88	49.64	-0.22	21.04	28.39	-24.66
664	4	693	335.14	-5.82	-58.34	-16.37	-47.79	-21.05	139.32	55.97	78.31	116.99	-36.91
		822	425.98	8.57	-38.51	-7.02	-22.92	-22.15	161.77	14.88	66.88	109.77	-70.24
		839	362.11	39.94	-35.85	29.52	-25.44	-26.09	88.08	-53.90	16.16	18.02	-70.99
		807	211.78	40.03	-48.70	36.60	-45.27	-17.11	64.09	-11.26	27.58	25.24	-37.66
664	5	693	317.89	-6.11	-51.65	-9.48	-48.28	-11.92	130.28	63.25	81.00	112.53	-29.58
		822	400.90	-0.79	-49.29	-3.32	-46.76	-10.79	156.39	19.17	69.45	106.11	-66.11
		839	322.60	26.48	-49.76	24.53	-47.81	-12.02	74.01	-57.14	13.08	3.79	-65.41
		807	170.39	32.08	-48.66	30.64	-47.22	-10.69	47.18	-12.34	24.64	10.21	-28.87
664	6	693	393.54	-9.13	-59.48	-21.43	-47.18	-21.64	164.26	53.40	90.39	127.26	-52.28
		822	503.69	4.30	-42.39	-11.13	-26.95	-21.96	187.99	8.22	76.78	119.43	-87.32
		839	445.02	40.36	-38.86	30.94	-29.43	-25.65	101.88	-75.54	21.37	4.96	-88.33
		807	291.58	43.10	-48.37	39.43	-44.70	-17.96	78.32	-30.54	34.99	12.79	-53.29
664	7	693	324.89	-12.75	-52.67	-12.80	-52.61	-1.45	128.39	59.09	66.12	121.36	-20.92

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		822	356.77	-7.27	-37.10	-7.44	-36.93	-2.26	138.20	23.09	50.94	110.36	-49.29
		839	258.51	13.58	-38.85	13.16	-38.43	-4.65	66.65	-42.95	6.79	16.92	-54.56
		807	154.22	17.09	-51.12	17.08	-51.11	0.94	51.31	-1.41	21.97	27.92	-26.19
664	8	693	251.06	-10.69	-44.05	-10.70	-44.04	0.51	97.98	44.98	49.08	93.88	-14.15
		822	277.75	-6.53	-35.36	-6.53	-35.35	0.32	106.13	18.92	39.54	85.51	-37.05
		839	197.62	10.36	-36.41	10.33	-36.38	-1.21	50.58	-32.13	4.14	14.31	-41.04
		807	116.96	13.78	-43.09	13.71	-43.01	2.05	36.87	-0.51	13.68	22.68	-18.14
664	9	693	238.84	-8.65	-38.09	-8.66	-38.08	-0.65	94.53	43.22	48.97	88.79	-16.18
		822	261.34	-4.92	-26.67	-5.00	-26.60	-1.30	100.99	16.33	36.68	80.64	-36.18
		839	189.79	9.09	-27.90	8.84	-27.65	-3.00	48.90	-31.68	5.37	11.85	-40.16
		807	116.01	11.46	-37.04	11.44	-37.02	1.05	39.02	-1.36	17.66	19.99	-20.16
664	10	693	234.25	-8.16	-37.99	-8.17	-37.98	0.39	92.37	43.78	48.30	87.86	-14.11
		822	256.59	-4.81	-28.79	-4.81	-28.79	-0.04	98.71	17.30	36.11	79.90	-34.32
		839	180.04	8.27	-29.76	8.21	-29.70	-1.48	45.85	-30.55	4.49	10.82	-38.07
		807	106.55	10.79	-37.14	10.72	-37.07	1.82	35.61	-0.17	16.67	18.78	-17.86
664	11	693	268.62	-7.58	-39.05	-13.29	-33.34	-12.13	111.54	40.75	61.99	90.30	-32.44
		822	330.31	0.69	-27.33	-6.94	-19.70	-12.48	126.04	8.82	50.67	84.20	-56.16
		839	286.93	23.60	-26.19	18.69	-21.27	-14.85	66.22	-49.12	13.10	4.01	-57.49
		807	184.62	25.47	-33.42	23.80	-31.76	-9.75	51.78	-17.25	24.42	10.11	-33.76
665	1	807	210.45	12.80	-79.17	12.78	-79.15	1.43	65.83	9.95	18.84	56.94	-20.44
		839	181.50	12.81	-48.05	12.78	-48.01	1.43	43.51	-18.52	-15.08	40.07	-14.19
		823	558.01	-6.61	-48.06	-6.66	-48.01	1.43	202.66	9.12	14.38	197.40	-31.48
		694	595.89	-6.63	-79.18	-6.66	-79.15	1.43	222.44	40.13	48.31	214.26	-37.73
665	2	807	185.68	12.19	-74.29	12.15	-74.25	1.99	57.97	9.94	18.96	48.95	-18.76
		839	158.21	12.22	-45.18	12.15	-45.11	1.99	35.56	-17.91	-14.83	32.48	-12.46
		823	534.33	-6.86	-45.21	-6.96	-45.11	1.99	194.83	10.01	14.75	190.09	-29.22
		694	570.55	-6.90	-74.31	-6.96	-74.25	1.99	214.17	40.93	48.55	206.55	-35.53
665	3	807	195.85	12.18	-78.48	12.12	-78.41	2.45	60.67	12.09	18.98	53.78	-16.94
		839	167.86	12.22	-47.79	12.12	-47.69	2.45	38.94	-17.13	-14.97	36.77	-10.80
		823	543.41	-6.92	-47.84	-7.07	-47.69	2.45	197.47	9.83	14.19	193.11	-28.29
		694	581.07	-6.98	-78.50	-7.07	-78.41	2.45	217.13	41.13	48.14	210.12	-34.43
665	4	807	260.69	20.12	-82.96	19.85	-82.69	-5.28	85.29	2.70	23.96	64.02	-36.11
		839	242.61	20.16	-68.67	19.85	-68.35	-5.28	60.10	-24.95	-14.81	49.96	-27.56
		823	606.36	-5.74	-68.80	-6.18	-68.35	-5.28	217.68	10.67	18.83	209.52	-40.28
		694	628.14	-5.82	-83.05	-6.18	-82.69	-5.28	236.88	44.30	57.60	223.59	-48.83
665	5	807	208.05	16.47	-79.16	16.47	-79.16	0.23	66.44	2.12	23.54	45.02	-30.32
		839	191.71	16.47	-72.24	16.47	-72.24	0.23	39.98	-23.57	-14.83	31.24	-21.89
		823	575.24	-8.30	-72.24	-8.30	-72.24	0.23	205.60	13.29	19.62	199.28	-34.29
		694	592.29	-8.30	-79.16	-8.30	-79.16	0.23	224.05	46.99	57.98	213.06	-42.72
665	6	807	289.26	21.65	-79.19	21.39	-78.94	-5.06	87.69	-23.33	20.12	44.24	-54.18
		839	257.93	21.66	-74.53	21.39	-74.27	-5.06	57.29	-40.98	-16.70	33.02	-42.38
		823	618.51	-6.21	-74.64	-6.59	-74.27	-5.06	221.67	10.85	24.32	208.19	-51.57
		694	640.50	-6.24	-79.29	-6.59	-78.94	-5.06	241.66	38.89	61.14	219.41	-63.37
665	7	807	197.28	12.57	-76.09	12.55	-76.07	1.34	61.96	11.14	19.23	53.87	-18.59
		839	169.23	12.58	-45.30	12.55	-45.27	1.34	39.98	-17.60	-14.76	37.15	-12.46
		823	542.01	-6.63	-45.31	-6.68	-45.27	1.34	197.50	9.53	14.30	192.73	-29.55
		694	579.19	-6.65	-76.09	-6.68	-76.07	1.34	217.00	40.74	48.29	209.46	-35.68
665	8	807	159.65	10.46	-62.73	10.38	-62.65	2.39	48.82	8.52	13.56	43.78	-13.33
		839	136.95	10.50	-38.13	10.38	-38.01	2.39	31.84	-13.88	-12.39	30.35	-8.12
		823	423.81	-6.20	-38.19	-6.38	-38.01	2.39	153.75	7.43	10.84	150.34	-22.07
		694	455.02	-6.28	-62.75	-6.38	-62.65	2.39	169.39	31.17	36.78	163.77	-27.28
665	9	807	139.69	8.52	-54.21	8.51	-54.20	0.81	44.18	7.84	14.39	37.62	-13.97
		839	119.93	8.52	-32.78	8.51	-32.76	0.81	28.26	-12.67	-10.22	25.80	-9.72
		823	389.94	-4.30	-32.78	-4.32	-32.76	0.81	142.05	6.93	10.51	138.47	-21.70
		694	415.48	-4.31	-54.21	-4.32	-54.20	0.81	155.87	29.54	35.12	150.29	-25.96
665	10	807	131.53	8.17	-53.82	8.14	-53.79	1.37	41.27	9.07	14.47	35.87	-12.03
		839	112.26	8.18	-32.63	8.14	-32.58	1.38	25.68	-11.87	-10.16	23.97	-7.83
		823	381.84	-4.49	-32.65	-4.55	-32.58	1.38	139.17	7.32	10.40	136.09	-19.92
		694	407.28	-4.51	-53.83	-4.55	-53.79	1.37	152.92	30.09	35.03	147.99	-24.12
665	11	807	181.63	13.41	-54.20	13.29	-54.08	-2.80	56.45	-10.79	15.10	30.57	-32.72
		839	161.32	13.42	-47.47	13.29	-47.35	-2.80	35.65	-24.89	-11.12	21.88	-25.38
		823	422.92	-4.11	-47.53	-4.29	-47.35	-2.80	152.39	8.11	16.03	144.47	-32.86
		694	439.12	-4.13	-54.24	-4.29	-54.08	-2.80	166.19	29.21	42.25	153.15	-40.20
666	1	694	532.33	-5.99	-65.90	-5.99	-65.90	0.49	195.28	22.16	34.90	182.54	-45.20
		823	532.87	-5.99	-50.23	-5.99	-50.23	0.50	190.95	3.20	21.06	173.09	-55.09
		840	311.23	10.67	-50.23	10.67	-50.23	0.50	56.00	-75.96	-16.85	-3.11	-65.62
		808	267.22	10.67	-65.90	10.67	-65.90	0.49	57.59	-54.26	-3.01	6.34	-55.73
666	2	694	505.91	-6.29	-61.40	-6.29	-61.40	0.10	186.79	23.12	35.06	174.85	-42.57
		823	508.41	-6.29	-46.74	-6.29	-46.74	0.11	183.15	4.24	21.53	165.86	-52.86
		840	295.85	10.61	-46.74	10.61	-46.74	0.11	50.49	-75.45	-16.81	-8.14	-62.82
		808	248.40	10.61	-61.40	10.61	-61.40	0.10	51.34	-53.78	-3.28	0.85	-52.52
666	3	694	514.35	-6.24	-64.11	-6.24	-64.11	0.44	189.34	23.46	34.67	178.12	-41.64

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		823	513.89	-6.24	-48.25	-6.24	-48.25	0.44	184.92	4.68	20.89	168.70	-51.58
		840	294.32	10.53	-48.25	10.52	-48.25	0.44	51.75	-73.01	-16.74	-4.52	-62.08
		808	249.85	10.53	-64.11	10.52	-64.11	0.44	53.26	-51.33	-2.96	4.90	-52.15
666	4	694	548.18	-6.61	-75.63	-6.62	-75.63	0.52	200.86	25.82	41.18	185.50	-49.52
		823	580.07	-6.62	-82.65	-6.62	-82.65	0.52	202.64	4.30	27.11	179.83	-63.27
		840	337.46	17.26	-82.65	17.26	-82.65	0.52	64.86	-74.56	-16.92	7.22	-68.66
		808	271.64	17.26	-75.63	17.26	-75.63	0.52	60.49	-50.45	-2.85	12.89	-54.91
666	5	694	507.88	-7.87	-69.11	-7.88	-69.10	0.61	187.91	28.19	41.01	175.09	-43.39
		823	540.23	-7.87	-75.30	-7.88	-75.30	0.61	190.73	7.29	28.46	169.56	-58.61
		840	307.55	16.65	-75.30	16.64	-75.30	0.61	51.66	-77.00	-18.51	-6.83	-64.06
		808	234.33	16.65	-69.11	16.64	-69.10	0.61	45.27	-52.53	-5.96	-1.29	-48.84
666	6	694	558.47	-6.82	-70.09	-6.84	-70.07	1.24	204.38	20.11	43.91	180.58	-61.80
		823	613.75	-6.82	-87.35	-6.84	-87.33	1.24	212.44	-1.96	33.18	177.31	-79.37
		840	389.87	17.97	-87.34	17.96	-87.33	1.24	62.00	-102.11	-20.26	-19.85	-82.05
		808	308.38	17.98	-70.08	17.96	-70.07	1.24	51.53	-77.64	-9.53	-16.58	-64.49
666	7	694	514.81	-6.09	-63.40	-6.09	-63.40	0.17	189.59	23.00	34.89	177.70	-42.89
		823	515.68	-6.09	-48.13	-6.09	-48.13	0.17	185.41	4.04	20.96	168.49	-52.75
		840	297.95	10.65	-48.13	10.65	-48.13	0.17	52.97	-73.53	-16.46	-4.10	-62.95
		808	253.59	10.65	-63.40	10.65	-63.40	0.17	54.51	-51.93	-2.53	5.12	-53.09
666	8	694	396.82	-5.67	-50.18	-5.67	-50.18	0.03	145.75	17.50	25.81	137.44	-31.56
		823	397.03	-5.67	-38.72	-5.67	-38.72	0.03	142.77	3.79	16.25	130.31	-39.71
		840	228.09	9.04	-38.72	9.04	-38.72	0.03	41.16	-55.25	-13.30	-0.79	-47.80
		808	192.75	9.04	-50.18	9.04	-50.18	0.03	41.27	-38.67	-3.74	6.34	-39.65
666	9	694	372.97	-3.89	-45.54	-3.90	-45.54	0.41	137.43	16.72	25.80	128.35	-31.84
		823	373.74	-3.89	-34.30	-3.90	-34.30	0.41	134.25	2.57	15.18	121.64	-38.75
		840	217.36	7.15	-34.30	7.14	-34.30	0.41	37.82	-54.60	-11.74	-5.05	-46.09
		808	185.64	7.15	-45.54	7.14	-45.54	0.41	39.48	-38.94	-1.12	1.66	-39.18
666	10	694	362.96	-4.03	-44.54	-4.03	-44.54	0.38	134.12	17.45	25.67	125.90	-29.86
		823	363.17	-4.03	-33.20	-4.03	-33.20	0.38	130.90	3.39	15.08	119.21	-36.80
		840	208.03	7.07	-33.20	7.07	-33.20	0.38	35.47	-52.97	-11.67	-5.83	-44.12
		808	176.02	7.07	-44.54	7.07	-44.54	0.38	37.09	-37.32	-1.09	0.86	-37.19
666	11	694	387.07	-4.35	-47.87	-4.37	-47.85	0.82	142.37	15.69	30.80	127.26	-41.06
		823	418.05	-4.35	-54.92	-4.37	-54.91	0.82	145.98	-0.08	21.91	123.99	-52.24
		840	262.38	11.21	-54.92	11.20	-54.91	0.82	41.23	-69.21	-13.63	-14.35	-55.22
		808	210.92	11.21	-47.86	11.20	-47.85	0.82	36.25	-52.07	-4.74	-11.08	-44.05
667	1	808	316.32	16.67	-56.94	13.22	-53.50	15.54	63.16	-65.98	2.71	-5.53	-64.44
		840	198.37	19.36	-26.13	13.22	-19.99	15.54	22.22	-52.28	-24.32	-5.75	-36.07
		824	498.66	0.08	-32.03	-11.95	-19.99	15.54	197.88	40.58	47.38	191.08	-31.98
		695	562.02	-6.78	-58.67	-11.95	-53.50	15.54	216.87	48.85	74.41	191.30	-60.35
667	2	808	299.92	16.19	-54.26	12.95	-51.02	14.76	58.88	-64.00	3.02	-8.13	-61.19
		840	185.05	18.84	-24.04	12.95	-18.15	14.77	17.65	-51.15	-24.31	-9.18	-33.56
		824	485.87	0.15	-30.07	-11.77	-18.15	14.77	193.27	39.72	46.05	186.94	-30.54
		695	548.33	-6.84	-55.95	-11.77	-51.02	14.76	212.34	49.03	73.38	187.99	-58.17
667	3	808	298.81	16.27	-56.08	12.98	-52.79	15.07	59.50	-62.36	2.87	-5.73	-60.78
		840	184.60	19.01	-24.69	12.98	-18.66	15.07	18.84	-49.75	-24.12	-6.79	-33.19
		824	482.58	0.25	-30.67	-11.76	-18.66	15.07	191.77	39.46	45.72	185.52	-30.23
		695	545.82	-6.82	-57.73	-11.76	-52.79	15.07	210.78	48.51	72.72	186.57	-57.82
667	4	808	357.29	27.78	-68.49	21.08	-61.79	24.49	73.91	-67.13	4.41	2.37	-70.51
		840	233.29	30.56	-42.22	21.08	-32.74	24.50	30.63	-53.23	-25.91	3.30	-39.30
		824	520.50	-2.61	-52.65	-22.53	-32.74	24.50	203.34	42.97	50.13	196.18	-33.12
		695	587.60	-10.77	-73.55	-22.53	-61.79	24.49	224.06	51.64	80.45	195.25	-64.32
667	5	808	326.35	26.22	-64.57	20.14	-58.49	22.70	63.69	-65.98	2.86	-5.15	-64.71
		840	202.96	29.21	-36.70	20.14	-27.63	22.71	18.39	-52.71	-27.76	-6.55	-33.93
		824	510.61	-1.88	-47.65	-21.90	-27.63	22.71	200.92	42.31	48.56	194.67	-30.86
		695	580.07	-11.03	-69.35	-21.90	-58.49	22.70	222.57	52.69	79.19	196.08	-61.64
667	6	808	409.94	29.75	-62.46	22.06	-54.77	25.49	75.29	-90.43	1.53	-16.67	-82.36
		840	263.13	31.89	-44.07	22.06	-34.24	25.49	25.08	-70.65	-30.73	-14.83	-47.20
		824	598.34	-3.79	-55.58	-25.12	-34.24	25.49	234.66	48.93	57.74	225.85	-39.48
		695	667.06	-10.46	-69.44	-25.12	-54.77	25.49	257.31	56.71	90.00	224.01	-74.63
667	7	808	302.76	16.38	-55.62	13.07	-52.31	15.09	60.59	-63.02	3.27	-5.70	-61.64
		840	188.31	19.05	-24.98	13.07	-19.00	15.09	20.02	-50.29	-23.85	-6.42	-34.06
		824	484.41	0.13	-30.90	-11.77	-19.00	15.09	192.41	39.59	45.99	186.01	-30.62
		695	546.72	-6.78	-57.31	-11.77	-52.31	15.09	211.25	48.59	73.11	186.73	-58.20
667	8	808	235.54	13.65	-44.92	10.95	-42.23	12.27	47.25	-48.07	1.15	-1.98	-47.63
		840	145.98	15.88	-19.65	10.95	-14.73	12.28	15.86	-38.18	-19.43	-2.88	-25.72
		824	375.17	0.12	-24.88	-10.03	-14.73	12.28	148.93	30.43	35.34	144.03	-23.60
		695	426.54	-5.88	-46.37	-10.03	-42.23	12.27	164.08	36.77	55.92	144.93	-45.51
667	9	808	218.71	11.24	-39.13	8.91	-36.79	10.59	43.35	-46.45	2.92	-6.02	-44.68
		840	136.05	13.09	-17.87	8.91	-13.68	10.59	13.89	-37.12	-16.85	-6.37	-24.96
		824	350.81	0.11	-21.81	-8.02	-13.68	10.59	139.43	28.84	33.50	134.77	-22.23
		695	394.37	-4.55	-40.27	-8.02	-36.79	10.59	152.80	35.60	53.27	135.12	-41.94
667	10	808	208.99	11.02	-38.65	8.77	-36.40	10.33	41.32	-44.45	3.01	-6.13	-42.64

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		840	128.46	12.90	-17.07	8.77	-12.94	10.33	12.02	-35.71	-16.74	-6.95	-23.36
		824	341.89	0.20	-21.06	-7.92	-12.94	10.33	136.04	28.21	32.58	131.68	-21.25
		695	385.39	-4.57	-39.75	-7.92	-36.40	10.33	149.42	35.40	52.33	132.49	-40.54
667	11	808	271.01	18.46	-42.14	13.82	-37.50	16.12	50.13	-60.08	2.26	-12.21	-54.63
		840	172.27	20.05	-27.83	13.82	-21.60	16.12	15.55	-47.38	-20.41	-11.42	-31.14
		824	406.13	-2.05	-34.89	-15.34	-21.60	16.12	159.86	33.48	39.26	154.08	-26.39
		695	452.60	-6.86	-45.98	-15.34	-37.50	16.12	175.25	39.98	61.93	153.29	-49.88
668	1	695	619.49	-6.74	-19.21	-8.41	-17.54	4.25	252.39	60.52	111.91	201.00	-84.96
		824	559.20	4.45	-9.81	-8.41	3.05	4.24	208.50	-0.73	11.69	196.09	-49.43
		831	221.39	5.26	-5.09	-2.88	3.05	4.24	73.27	-14.28	27.74	31.26	-43.74
		697	479.61	-1.74	-18.68	-2.88	-17.54	4.25	173.67	-9.53	127.96	36.17	-79.27
668	2	695	601.66	-6.87	-17.61	-8.41	-16.07	3.77	245.67	59.77	109.29	196.15	-82.18
		824	545.01	4.10	-9.53	-8.41	2.97	3.76	203.33	-0.30	11.70	191.32	-47.96
		831	214.40	4.97	-4.07	-2.07	2.97	3.76	71.08	-13.90	26.88	30.31	-42.46
		697	464.44	-1.12	-17.02	-2.07	-16.07	3.77	168.54	-8.93	124.46	35.14	-76.68
668	3	695	596.29	-6.67	-18.27	-8.30	-16.65	4.02	243.27	59.22	108.27	194.22	-81.37
		824	539.53	4.20	-9.58	-8.30	2.91	4.01	201.36	-0.27	11.61	189.48	-47.47
		831	212.45	5.03	-4.68	-2.56	2.91	4.01	70.37	-13.65	26.66	30.05	-41.98
		697	460.28	-1.49	-17.72	-2.56	-16.65	4.02	166.91	-8.80	123.32	34.79	-75.89
668	4	695	596.94	-15.27	-21.37	-17.67	-18.98	2.98	244.54	63.76	113.01	195.30	-80.48
		824	565.37	5.86	-18.04	-17.67	5.49	2.97	211.14	3.12	17.67	196.58	-53.06
		831	213.94	7.75	1.61	3.87	5.49	2.97	70.88	-14.99	25.40	30.49	-42.86
		697	437.70	4.26	-19.36	3.87	-18.98	2.98	158.84	-8.90	120.74	29.21	-70.28
668	5	695	586.12	-14.91	-18.97	-17.38	-16.49	1.98	241.00	63.63	110.24	194.39	-78.07
		824	558.72	5.76	-17.55	-17.38	5.59	1.97	208.65	3.56	17.36	194.85	-51.39
		831	208.48	7.47	3.53	5.40	5.59	1.97	69.12	-15.20	24.43	29.48	-42.09
		697	427.77	5.58	-16.67	5.40	-16.49	1.98	154.89	-8.55	117.31	29.02	-68.77
668	6	695	710.14	-17.51	-21.11	-20.44	-18.18	1.40	291.51	73.04	131.02	233.53	-96.46
		824	672.58	7.29	-20.51	-20.44	7.22	1.38	249.77	1.97	18.77	232.96	-62.31
		831	255.87	8.99	6.14	7.90	7.22	1.38	84.58	-19.54	29.52	35.53	-51.98
		697	527.92	7.98	-18.26	7.90	-18.18	1.40	189.96	-12.11	141.76	36.09	-86.12
668	7	695	598.87	-6.68	-18.31	-8.32	-16.67	4.05	244.30	59.37	108.92	194.75	-81.90
		824	541.63	4.19	-9.62	-8.32	2.89	4.03	202.12	-0.33	11.68	190.11	-47.83
		831	213.62	5.03	-4.72	-2.58	2.89	4.03	70.79	-13.67	26.86	30.26	-42.20
		697	462.92	-1.50	-17.75	-2.58	-16.67	4.05	167.86	-8.86	124.10	34.89	-76.28
668	8	695	456.19	-5.99	-14.24	-7.24	-12.99	2.96	186.00	44.96	82.40	148.56	-62.27
		824	416.58	3.34	-8.06	-7.24	2.51	2.95	155.47	0.09	9.57	145.99	-37.18
		831	162.78	4.12	-2.92	-1.31	2.51	2.95	53.87	-10.68	20.12	23.07	-32.24
		697	347.27	-0.61	-13.69	-1.31	-12.99	2.96	125.78	-7.19	92.95	25.64	-57.34
668	9	695	438.89	-4.43	-13.20	-5.60	-12.03	2.98	179.11	43.66	80.06	142.71	-60.05
		824	394.71	3.03	-6.62	-5.60	2.00	2.98	147.25	-0.46	8.12	138.67	-34.56
		831	156.49	3.55	-3.72	-2.17	2.00	2.98	51.88	-9.94	19.83	22.12	-30.89
		697	342.22	-1.34	-12.87	-2.17	-12.03	2.98	124.19	-6.27	91.77	26.16	-56.38
668	10	695	426.00	-4.39	-12.68	-5.53	-11.54	2.86	174.05	42.93	78.04	138.94	-58.06
		824	383.78	2.89	-6.50	-5.53	1.93	2.85	143.29	-0.21	8.08	135.00	-33.47
		831	151.52	3.43	-3.49	-1.99	1.93	2.85	50.27	-9.59	19.24	21.44	-29.91
		697	331.49	-1.20	-12.33	-1.99	-11.54	2.86	120.44	-5.86	89.20	25.39	-54.50
668	11	695	489.26	-10.94	-13.73	-12.28	-12.39	1.40	200.84	50.61	90.68	160.78	-66.44
		824	457.63	4.44	-12.39	-12.28	4.32	1.39	170.16	1.05	12.06	159.15	-41.72
		831	175.38	5.48	2.66	3.82	4.32	1.39	58.17	-12.86	20.82	24.48	-35.47
		697	367.94	3.94	-12.51	3.82	-12.39	1.40	133.24	-7.70	99.44	26.11	-60.18
669	1	1065	3451.10	-116.05	-347.17	-341.34	-121.88	36.22	-2.68	-32.45	-15.79	-19.34	-14.78
		196	1862.29	-94.90	-330.27	-328.83	-96.34	18.34	0.06	-12.55	-0.54	-11.94	-2.69
		200	2278.88	-95.17	-384.70	-383.53	-96.34	18.34	17.42	2.65	6.16	13.91	-6.28
		69	3775.96	-117.17	-400.75	-396.05	-121.88	36.22	18.67	-21.25	-9.09	6.51	-18.37
669	2	1065	3288.66	-109.29	-363.01	-353.98	-118.31	46.98	-2.90	-30.65	-15.63	-17.93	-13.83
		196	1801.00	-86.12	-342.29	-339.55	-88.86	26.37	-0.33	-11.06	-0.68	-10.71	-1.91
		200	2263.88	-86.57	-392.86	-390.57	-88.86	26.37	17.42	3.32	5.97	14.77	-5.51
		69	3669.07	-110.81	-412.51	-405.01	-118.31	46.98	18.57	-20.00	-8.98	7.55	-17.43
669	3	1065	3213.84	-108.20	-362.27	-355.39	-115.08	41.24	-2.45	-29.31	-15.02	-16.73	-13.40
		196	1763.51	-85.52	-343.68	-341.82	-87.38	21.85	-0.55	-10.79	-0.93	-10.41	-1.94
		200	2216.36	-85.74	-378.96	-377.32	-87.38	21.85	17.19	2.56	5.62	14.13	-5.95
		69	3637.07	-109.05	-396.93	-390.90	-115.08	41.24	18.89	-19.55	-8.47	7.81	-17.41
669	4	1065	3105.82	-111.96	-321.77	-315.49	-118.24	35.74	-2.25	-28.72	-14.69	-16.28	-13.21
		196	1605.45	-89.72	-303.48	-302.16	-91.03	16.70	-0.42	-10.72	-0.81	-10.32	-1.98
		200	2192.41	-90.05	-374.62	-373.64	-91.03	16.70	16.97	2.25	5.53	13.68	-6.13
		69	3630.96	-113.57	-391.64	-386.97	-118.24	35.74	18.82	-19.44	-8.34	7.72	-17.36
669	5	1065	2977.58	-87.30	-448.76	-422.22	-113.84	94.28	-2.69	-24.71	-15.41	-11.99	-10.88
		196	1674.42	-58.32	-412.68	-400.83	-70.18	63.72	-1.65	-6.66	-1.74	-6.58	0.64
		200	2460.72	-60.15	-474.92	-464.89	-70.18	63.72	18.86	3.78	5.05	17.58	-4.20
		69	3743.94	-91.33	-508.79	-486.28	-113.84	94.28	20.62	-17.07	-8.62	12.17	-15.72
669	6	1065	3357.63	-122.51	-313.29	-310.62	-125.19	22.42	-2.97	-31.48	-15.21	-19.25	-14.11

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		196	1752.39	-108.30	-303.28	-302.65	-108.92	11.04	-0.56	-13.70	-1.16	-13.10	-2.75
		200	2216.42	-108.50	-396.53	-396.11	-108.92	11.04	15.36	0.61	5.21	10.76	-6.83
		69	3765.15	-123.39	-405.87	-404.08	-125.19	22.42	17.29	-21.51	-8.84	4.62	-18.20
669	7	1065	3237.26	-109.94	-347.90	-341.84	-116.00	37.48	-2.42	-29.85	-15.01	-17.26	-13.67
		196	1755.48	-88.47	-330.66	-329.11	-90.02	19.29	-0.34	-11.26	-0.80	-10.80	-2.19
		200	2205.53	-88.70	-373.17	-371.86	-90.02	19.29	17.07	2.44	5.70	13.81	-6.09
		69	3640.55	-110.87	-389.72	-384.59	-116.00	37.48	18.68	-19.85	-8.51	7.34	-17.56
669	8	1065	2482.02	-83.78	-277.98	-273.09	-88.67	30.44	-1.79	-22.57	-11.55	-12.81	-10.37
		196	1359.65	-67.05	-264.50	-263.15	-68.40	16.25	-0.44	-8.42	-0.75	-8.11	-1.55
		200	1718.31	-67.20	-289.74	-288.55	-68.40	16.25	13.38	1.80	4.32	10.86	-4.78
		69	2826.56	-84.34	-302.81	-298.49	-88.67	30.44	14.84	-15.16	-6.48	6.16	-13.60
669	9	1065	2404.29	-80.76	-248.72	-244.05	-85.43	27.62	-1.97	-22.57	-11.10	-13.43	-10.23
		196	1302.96	-64.81	-235.67	-234.51	-65.97	14.00	-0.02	-8.54	-0.40	-8.16	-1.75
		200	1594.80	-65.03	-273.89	-272.94	-65.97	14.00	12.15	2.05	4.29	9.91	-4.20
		69	2629.70	-81.63	-286.28	-282.48	-85.43	27.62	12.95	-14.72	-6.41	4.64	-12.69
669	10	1065	2273.91	-76.39	-257.13	-251.86	-81.66	30.41	-1.84	-20.82	-10.68	-11.98	-9.47
		196	1248.65	-59.60	-243.13	-241.73	-60.99	15.95	-0.36	-7.57	-0.62	-7.31	-1.33
		200	1559.97	-59.78	-270.71	-269.49	-60.99	15.95	12.03	1.99	3.99	10.03	-4.01
		69	2553.63	-77.09	-284.19	-279.62	-81.66	30.41	13.07	-13.78	-6.07	5.36	-12.15
669	11	1065	2350.52	-84.48	-229.78	-226.98	-87.27	19.95	-2.13	-22.03	-10.78	-13.38	-9.86
		196	1241.01	-72.29	-220.64	-219.97	-72.96	9.94	-0.37	-9.18	-0.74	-8.80	-1.78
		200	1558.02	-72.48	-280.41	-279.93	-72.96	9.94	10.98	0.95	3.77	8.16	-4.51
		69	2621.63	-85.30	-288.92	-286.94	-87.27	19.95	12.17	-14.86	-6.27	3.58	-12.59
670	1	1064	6418.10	-44.14	-945.03	-941.52	-47.65	-56.11	-0.88	-40.25	-23.08	-18.05	-19.53
		1065	3874.12	-31.00	-940.23	-935.62	-35.61	-64.55	2.96	-10.09	-1.42	-5.71	-6.16
		69	5961.66	-31.69	-1098.66	-1094.74	-35.61	-64.55	29.66	1.69	3.48	27.88	-6.84
		66	7844.54	-44.67	-1103.63	-1100.65	-47.65	-56.11	24.99	-27.63	-18.18	15.54	-20.20
670	2	1064	6387.68	-42.25	-952.07	-949.58	-44.75	-47.56	-1.41	-39.79	-23.36	-17.84	-18.99
		1065	3869.75	-32.49	-948.31	-945.13	-35.67	-53.91	2.45	-8.69	-1.27	-4.98	-5.25
		69	5983.04	-32.92	-1092.19	-1089.44	-35.67	-53.91	31.01	2.71	3.94	29.78	-5.77
		66	7818.54	-42.60	-1096.04	-1093.89	-44.75	-47.56	25.62	-26.85	-18.15	16.92	-19.51
670	3	1064	6277.66	-43.02	-942.26	-939.39	-45.89	-50.74	-0.44	-37.87	-22.42	-15.89	-18.43
		1065	3853.50	-30.89	-937.70	-933.90	-34.69	-58.58	2.71	-8.23	-1.40	-4.12	-5.30
		69	5916.98	-31.37	-1070.83	-1067.51	-34.69	-58.58	30.61	2.15	3.60	29.16	-6.26
		66	7708.34	-43.39	-1075.50	-1073.00	-45.89	-50.74	26.04	-26.06	-17.41	17.39	-19.39
670	4	1064	6187.56	-46.43	-920.75	-917.69	-49.49	-51.63	-0.27	-37.46	-22.21	-15.52	-18.29
		1065	3783.21	-29.08	-914.36	-909.88	-33.56	-62.79	2.79	-8.14	-1.41	-3.95	-5.31
		69	5887.18	-29.72	-1062.35	-1058.52	-33.56	-62.79	30.39	2.02	3.51	28.90	-6.33
		66	7660.08	-46.88	-1068.94	-1066.33	-49.49	-51.63	25.95	-25.92	-17.30	17.33	-19.31
670	5	1064	6808.97	-36.84	-1081.30	-1081.00	-37.14	-17.95	-0.96	-37.61	-24.73	-13.84	-17.50
		1065	4435.30	-34.46	-1080.23	-1079.86	-34.83	-19.57	1.45	-4.14	-1.88	-0.81	-2.74
		69	6788.22	-34.50	-1195.96	-1195.63	-34.83	-19.57	37.29	3.84	4.31	36.83	-3.92
		66	8494.32	-36.87	-1197.04	-1196.77	-37.14	-17.95	30.86	-25.60	-18.54	23.80	-18.68
670	6	1064	6351.70	-44.53	-934.76	-930.53	-48.75	-61.20	-1.49	-40.09	-22.95	-18.63	-19.18
		1065	3854.68	-24.23	-927.63	-921.51	-30.35	-74.09	2.22	-10.98	-1.86	-6.90	-6.10
		69	5904.19	-25.21	-1098.78	-1093.64	-30.35	-74.09	27.93	0.97	2.97	25.93	-7.07
		66	7784.60	-45.21	-1106.21	-1102.66	-48.75	-61.20	23.87	-27.78	-18.11	14.20	-20.15
670	7	1064	6226.25	-42.94	-925.90	-922.75	-46.09	-52.65	-0.47	-38.06	-22.29	-16.25	-18.55
		1065	3791.67	-30.12	-921.16	-916.98	-34.30	-60.90	2.82	-8.68	-1.34	-4.51	-5.53
		69	5850.78	-30.69	-1062.46	-1058.86	-34.30	-60.90	30.02	1.99	3.55	28.46	-6.44
		66	7651.38	-43.37	-1067.35	-1064.63	-46.09	-52.65	25.54	-26.21	-17.39	16.72	-19.46
670	8	1064	4848.67	-33.04	-725.32	-722.97	-35.39	-40.28	-0.13	-29.16	-17.26	-12.03	-14.28
		1065	2972.21	-23.32	-721.70	-718.58	-26.44	-46.55	2.22	-6.31	-1.03	-3.06	-4.14
		69	4582.09	-23.72	-824.89	-822.17	-26.44	-46.55	23.90	1.65	2.83	22.72	-4.98
		66	5973.74	-33.35	-828.61	-826.56	-35.39	-40.28	20.49	-20.14	-13.40	13.74	-15.12
670	9	1064	4512.80	-31.24	-669.26	-667.01	-33.49	-37.83	-0.77	-28.20	-16.27	-12.71	-13.60
		1065	2735.34	-22.43	-665.99	-663.04	-25.39	-43.50	1.93	-6.93	-1.05	-3.95	-4.18
		69	4190.99	-22.86	-774.35	-771.82	-25.39	-43.50	20.80	1.27	2.42	19.65	-4.60
		66	5500.68	-31.57	-777.71	-775.79	-33.49	-37.83	17.40	-19.30	-12.79	10.89	-14.01
670	10	1064	4435.16	-30.60	-667.73	-665.82	-32.51	-34.85	-0.53	-26.88	-15.90	-11.51	-12.99
		1065	2725.00	-22.35	-664.60	-662.08	-24.88	-40.19	1.79	-5.90	-1.04	-3.07	-3.71
		69	4166.68	-22.68	-758.89	-756.69	-24.88	-40.19	21.33	1.52	2.49	20.36	-4.28
		66	5425.11	-30.85	-762.10	-760.43	-32.51	-34.85	17.98	-18.42	-12.37	11.92	-13.56
670	11	1064	4475.71	-31.48	-663.53	-660.90	-34.11	-40.66	-1.12	-28.11	-16.20	-13.03	-13.41
		1065	2723.54	-18.72	-658.94	-655.20	-22.47	-48.80	1.51	-7.43	-1.30	-4.61	-4.15
		69	4157.98	-19.30	-774.37	-771.21	-22.47	-48.80	19.83	0.88	2.14	18.56	-4.73
		66	5467.04	-31.89	-779.13	-776.91	-34.11	-40.66	16.77	-19.37	-12.75	10.15	-13.98
671	1	1063	8470.72	30.43	-1424.74	-1424.09	29.78	-30.86	5.40	-37.05	-24.15	-7.50	-19.53
		1064	6863.17	94.69	-1397.72	-1394.07	91.04	-73.74	9.45	-11.89	-6.01	3.57	-9.54
		66	8605.61	94.45	-1506.52	-1503.12	91.04	-73.74	31.14	-5.66	-3.55	29.03	-8.56
		63	9844.05	30.39	-1533.75	-1533.14	29.78	-30.86	25.28	-29.02	-21.69	17.96	-18.55
671	2	1063	8488.42	32.79	-1427.12	-1426.67	32.34	-25.65	4.60	-37.64	-24.76	-8.27	-19.44

		1064	6796.93	93.27	-1401.20	-1398.26	90.33	-66.25	9.04	-10.71	-5.56	3.90	-8.67
		66	8610.75	93.10	-1493.56	-1490.79	90.33	-66.25	33.21	-4.10	-2.59	31.69	-7.37
		63	9864.57	32.76	-1519.63	-1519.21	32.34	-25.65	26.36	-28.62	-21.79	19.53	-18.15
671	3	1063	8374.93	29.44	-1409.39	-1408.84	28.89	-28.07	6.14	-35.41	-23.57	-5.70	-18.76
		1064	6809.28	90.45	-1383.48	-1380.26	87.23	-68.90	10.06	-10.49	-5.66	5.22	-8.72
		66	8509.02	90.28	-1466.33	-1463.28	87.23	-68.90	32.82	-4.69	-2.94	31.08	-7.89
		63	9703.35	29.41	-1492.38	-1491.86	28.89	-28.07	26.89	-27.59	-20.86	20.16	-17.93
671	4	1063	8305.98	26.01	-1394.94	-1394.43	25.49	-26.93	6.22	-35.22	-23.47	-5.52	-18.68
		1064	6750.75	89.02	-1368.19	-1364.91	85.74	-69.10	10.11	-10.44	-5.65	5.31	-8.69
		66	8471.72	88.83	-1458.27	-1455.18	85.74	-69.10	32.76	-4.70	-2.96	31.01	-7.89
		63	9657.02	25.97	-1485.18	-1484.70	25.49	-26.93	26.88	-27.49	-20.78	20.18	-17.88
671	5	1063	9470.22	41.12	-1613.98	-1613.96	41.10	-5.84	5.90	-38.63	-27.17	-5.56	-19.46
		1064	7723.93	99.19	-1587.34	-1586.10	97.95	-45.65	11.10	-8.68	-5.97	8.39	-6.80
		66	9638.44	99.17	-1614.92	-1613.70	97.95	-45.65	42.09	-2.16	-1.48	41.41	-5.44
		63	1.087e+04	41.12	-1641.58	-1641.56	41.10	-5.84	33.32	-28.54	-22.68	27.46	-18.10
671	6	1063	8413.42	28.56	-1418.51	-1417.74	27.79	-33.34	4.61	-37.24	-24.23	-8.40	-19.37
		1064	6797.49	95.53	-1390.64	-1386.55	91.44	-77.89	8.46	-12.26	-6.22	2.42	-9.41
		66	8545.97	95.24	-1505.18	-1501.38	91.44	-77.89	30.11	-5.93	-3.72	27.91	-8.63
		63	9797.92	28.50	-1533.28	-1532.56	27.79	-33.34	24.56	-29.19	-21.73	17.09	-18.59
671	7	1063	8279.28	29.01	-1390.21	-1389.62	28.41	-29.15	5.98	-35.40	-23.40	-6.02	-18.77
		1064	6717.57	90.52	-1364.25	-1360.85	87.12	-70.24	9.87	-10.71	-5.62	4.77	-8.88
		66	8425.89	90.31	-1456.56	-1453.36	87.12	-70.24	32.06	-4.88	-3.04	30.22	-8.05
		63	9621.26	28.98	-1482.69	-1482.13	28.41	-29.15	26.26	-27.65	-20.81	19.42	-17.94
671	8	1063	6469.70	22.50	-1085.43	-1084.97	22.04	-22.61	5.09	-27.20	-18.11	-3.99	-14.52
		1064	5260.25	69.93	-1065.38	-1062.78	67.33	-54.31	8.08	-8.00	-4.28	4.35	-6.78
		66	6590.13	69.79	-1130.75	-1128.29	67.33	-54.31	25.73	-3.60	-2.21	24.35	-6.22
		63	7515.73	22.47	-1150.92	-1150.49	22.04	-22.61	21.23	-21.27	-16.05	16.01	-13.95
671	9	1063	5967.38	21.59	-1007.08	-1006.68	21.18	-20.48	3.55	-26.12	-17.07	-5.49	-13.66
		1064	4837.30	66.24	-988.19	-985.78	63.83	-50.33	6.44	-8.32	-4.29	2.41	-6.58
		66	6045.26	66.08	-1060.34	-1058.08	63.83	-50.33	21.81	-3.89	-2.49	20.41	-5.83
		63	6911.24	21.56	-1079.36	-1078.98	21.18	-20.48	17.59	-20.35	-15.28	12.51	-12.91
671	10	1063	5914.00	21.04	-998.56	-998.21	20.69	-18.93	3.96	-25.21	-16.75	-4.49	-13.23
		1064	4807.52	63.89	-980.28	-978.11	61.71	-47.64	6.78	-7.54	-4.09	3.33	-6.13
		66	5991.71	63.77	-1038.01	-1035.95	61.71	-47.64	22.75	-3.35	-2.16	21.55	-5.46
		63	6832.83	21.02	-1056.38	-1056.05	20.69	-18.93	18.48	-19.56	-14.81	13.74	-12.57
671	11	1063	5935.58	20.55	-1003.61	-1003.15	20.08	-21.86	3.12	-26.22	-17.11	-5.99	-13.57
		1064	4800.73	66.69	-984.25	-981.60	64.05	-52.64	5.89	-8.53	-4.41	1.77	-6.51
		66	6011.87	66.52	-1059.58	-1057.12	64.05	-52.64	21.24	-4.03	-2.59	19.79	-5.87
		63	6885.52	20.51	-1079.10	-1078.66	20.08	-21.86	17.18	-20.44	-15.29	12.03	-12.93
672	1	1062	9832.24	68.64	-1719.02	-1718.63	68.25	-26.31	13.08	-29.63	-21.85	5.30	-16.48
		1063	9043.92	101.01	-1704.51	-1703.21	99.71	-48.34	16.16	-16.57	-11.54	11.13	-11.80
		63	9945.62	100.97	-1759.20	-1757.95	99.71	-48.34	26.01	-14.85	-11.66	22.82	-10.95
		60	1.066e+04	68.63	-1773.74	-1773.36	68.25	-26.31	22.49	-27.47	-21.98	16.99	-15.63
672	2	1062	9840.81	70.81	-1716.59	-1716.25	70.47	-24.68	11.99	-30.80	-22.67	3.86	-16.79
		1063	8943.44	99.85	-1703.49	-1702.39	98.75	-44.48	15.75	-15.49	-10.89	11.15	-11.07
		63	9915.85	99.83	-1742.07	-1741.00	98.75	-44.48	28.35	-12.85	-10.38	25.88	-9.79
		60	1.069e+04	70.80	-1755.19	-1754.86	70.47	-24.68	23.82	-27.39	-22.15	18.58	-15.51
672	3	1062	9743.10	67.00	-1694.33	-1693.97	66.64	-25.21	14.04	-28.67	-21.37	6.74	-16.08
		1063	8953.01	96.89	-1680.89	-1679.72	95.72	-45.57	17.21	-15.32	-10.92	12.81	-11.12
		63	9802.02	96.87	-1710.45	-1709.30	95.72	-45.57	28.11	-13.41	-10.70	25.40	-10.26
		60	1.051e+04	67.00	-1723.90	-1723.55	66.64	-25.21	24.41	-26.23	-21.14	19.32	-15.22
672	4	1062	9688.59	64.20	-1683.64	-1683.36	63.91	-22.43	14.06	-28.60	-21.33	6.79	-16.04
		1063	8901.54	95.35	-1669.56	-1668.48	94.27	-43.68	17.23	-15.26	-10.89	12.87	-11.08
		63	9769.01	95.33	-1703.63	-1702.56	94.27	-43.68	28.15	-13.35	-10.66	25.46	-10.22
		60	1.047e+04	64.19	-1717.72	-1717.44	63.91	-22.43	24.44	-26.16	-21.10	19.38	-15.18
672	5	1062	1.111e+04	90.96	-1930.66	-1930.39	90.69	-23.09	14.31	-33.43	-25.30	6.18	-17.94
		1063	1.009e+04	104.37	-1924.46	-1923.95	103.85	-32.30	19.21	-14.81	-11.41	15.81	-10.20
		63	1.098e+04	104.38	-1875.62	-1875.09	103.85	-32.30	37.58	-10.76	-9.24	36.05	-8.45
		60	1.182e+04	90.96	-1881.81	-1881.54	90.69	-23.09	31.24	-27.95	-23.13	26.42	-16.19
672	6	1062	9777.61	66.47	-1714.53	-1714.12	66.06	-27.08	12.29	-29.88	-22.00	4.41	-16.44
		1063	8973.21	100.38	-1699.39	-1697.99	98.98	-50.12	15.26	-16.70	-11.62	10.18	-11.68
		63	9902.03	100.33	-1758.06	-1756.70	98.98	-50.12	25.42	-14.91	-11.68	22.19	-10.95
		60	1.063e+04	66.46	-1773.23	-1772.83	66.06	-27.08	22.01	-27.65	-22.06	16.42	-15.70
672	7	1062	9629.10	66.30	-1674.30	-1673.93	65.93	-25.45	13.75	-28.52	-21.19	6.42	-16.01
		1063	8846.63	96.83	-1660.60	-1659.38	95.61	-46.23	16.85	-15.40	-10.89	12.33	-11.19
		63	9717.62	96.80	-1700.18	-1698.99	95.61	-46.23	27.34	-13.60	-10.79	24.52	-10.37
		60	1.042e+04	66.29	-1713.90	-1713.54	65.93	-25.45	23.75	-26.23	-21.09	18.61	-15.18
672	8	1062	7532.26	51.36	-1305.45	-1305.15	51.06	-20.01	11.34	-21.95	-16.38	5.77	-12.42
		1063	6923.32	74.82	-1294.92	-1293.98	73.88	-35.98	13.75	-11.70	-8.33	10.38	-8.63
		63	7591.54	74.81	-1319.45	-1318.52	73.88	-35.98	22.17	-10.32	-8.20	20.05	-8.02
		60	8135.78	51.35	-1329.99	-1329.70	51.06	-20.01	19.36	-20.17	-16.25	15.44	-11.81
672	9	1062	6923.94	48.65	-1213.74	-1213.49	48.40	-17.88	8.86	-21.00	-15.49	3.34	-11.59

		1063	6365.25	70.80	-1203.78	-1202.93	69.95	-32.97	11.08	-11.67	-8.18	7.59	-8.21
		63	6982.86	70.78	-1237.51	-1236.68	69.95	-32.97	18.17	-10.34	-8.17	16.01	-7.55
		60	7484.87	48.65	-1247.48	-1247.23	48.40	-17.88	15.61	-19.33	-15.49	11.77	-10.93
672	10	1062	6874.04	47.74	-1200.03	-1199.79	47.51	-17.27	9.39	-20.47	-15.22	4.14	-11.36
		1063	6314.50	68.51	-1190.66	-1189.88	67.73	-31.43	11.66	-10.98	-7.83	8.52	-7.83
		63	6902.88	68.50	-1210.42	-1209.65	67.73	-31.43	19.34	-9.54	-7.64	17.44	-7.17
		60	7400.29	47.74	-1219.80	-1219.56	47.51	-17.27	16.67	-18.64	-15.03	13.06	-10.70
672	11	1062	6893.74	47.45	-1211.25	-1210.98	47.18	-18.31	8.42	-21.14	-15.57	2.85	-11.56
		1063	6326.05	70.45	-1200.94	-1200.03	69.54	-33.96	10.58	-11.75	-8.22	7.06	-8.14
		63	6958.59	70.42	-1236.87	-1235.98	69.54	-33.96	17.84	-10.37	-8.18	15.65	-7.55
		60	7468.65	47.44	-1247.20	-1246.94	47.18	-18.31	15.34	-19.43	-15.53	11.45	-10.97
673	1	1061	1.052e+04	96.68	-1853.44	-1852.75	95.99	-36.73	19.48	-22.92	-18.67	15.24	-12.72
		1062	1.030e+04	95.42	-1854.01	-1853.35	94.76	-35.88	20.68	-20.16	-15.69	16.21	-12.75
		60	1.046e+04	95.42	-1855.26	-1854.60	94.76	-35.88	19.79	-21.76	-17.83	15.86	-12.17
		57	1.068e+04	96.68	-1854.69	-1854.00	95.99	-36.73	18.62	-24.55	-20.81	14.88	-12.14
673	2	1061	1.050e+04	98.61	-1847.21	-1846.46	97.86	-38.25	18.09	-24.33	-19.58	13.34	-13.37
		1062	1.018e+04	94.62	-1849.02	-1848.37	93.97	-35.52	20.24	-19.18	-14.93	15.99	-12.23
		60	1.040e+04	94.62	-1834.84	-1834.18	93.97	-35.52	22.21	-19.59	-16.38	18.99	-11.14
		57	1.072e+04	98.62	-1833.03	-1832.27	97.86	-38.25	20.02	-24.71	-21.03	16.35	-12.28
673	3	1061	1.042e+04	94.69	-1821.85	-1821.14	93.98	-36.85	20.46	-22.41	-18.26	16.32	-12.66
		1062	1.018e+04	91.77	-1823.17	-1822.54	91.13	-34.85	21.92	-19.00	-14.91	17.83	-12.28
		60	1.028e+04	91.77	-1801.94	-1801.30	91.13	-34.85	22.06	-20.09	-16.65	18.62	-11.54
		57	1.052e+04	94.70	-1800.62	-1799.90	93.98	-36.85	20.61	-23.51	-20.01	17.11	-11.93
673	4	1061	1.038e+04	92.73	-1813.39	-1812.82	92.17	-32.91	20.46	-22.38	-18.25	16.33	-12.64
		1062	1.014e+04	90.57	-1814.38	-1813.86	90.05	-31.43	21.94	-18.93	-14.86	17.87	-12.24
		60	1.026e+04	90.58	-1796.80	-1796.28	90.05	-31.43	22.13	-20.01	-16.60	18.72	-11.50
		57	1.049e+04	92.74	-1795.82	-1795.24	92.17	-32.91	20.66	-23.47	-19.99	17.18	-11.90
673	5	1061	1.181e+04	113.58	-2062.14	-2060.86	112.31	-52.68	20.64	-27.89	-22.21	14.95	-15.61
		1062	1.137e+04	99.80	-2068.28	-2067.41	98.94	-43.32	24.38	-19.40	-15.47	20.44	-12.53
		60	1.139e+04	99.85	-1958.85	-1957.94	98.94	-43.32	30.90	-17.69	-15.33	28.54	-10.45
		57	1.178e+04	113.65	-1952.74	-1951.39	112.31	-52.68	26.80	-25.81	-22.07	23.05	-13.53
673	6	1061	1.047e+04	94.94	-1850.06	-1849.38	94.26	-36.24	18.80	-23.11	-18.81	14.50	-12.72
		1062	1.024e+04	94.53	-1850.24	-1849.58	93.87	-35.96	19.97	-20.21	-15.72	15.48	-12.67
		60	1.043e+04	94.53	-1854.82	-1854.16	93.87	-35.96	19.43	-21.76	-17.80	15.46	-12.15
		57	1.066e+04	94.94	-1854.63	-1853.96	94.26	-36.24	18.29	-24.70	-20.89	14.48	-12.21
673	7	1061	1.031e+04	93.79	-1802.75	-1802.05	93.09	-36.26	20.13	-22.20	-18.10	16.03	-12.51
		1062	1.007e+04	91.67	-1803.71	-1803.07	91.03	-34.82	21.49	-18.99	-14.86	17.36	-12.26
		60	1.021e+04	91.67	-1792.17	-1791.53	91.03	-34.82	21.35	-20.25	-16.73	17.83	-11.58
		57	1.044e+04	93.79	-1791.21	-1790.52	93.09	-36.26	20.01	-23.47	-19.96	16.51	-11.84
673	8	1061	8062.22	72.65	-1404.12	-1403.57	72.10	-28.56	16.40	-17.10	-13.97	13.27	-9.75
		1062	7879.39	70.79	-1404.97	-1404.46	70.28	-27.29	17.49	-14.53	-11.40	14.36	-9.50
		60	7964.61	70.79	-1390.40	-1389.89	70.28	-27.29	17.52	-15.46	-12.81	14.87	-8.96
		57	8146.94	72.66	-1389.56	-1389.00	72.10	-28.56	16.45	-18.04	-15.38	13.78	-9.22
673	9	1061	7403.32	68.51	-1307.61	-1307.12	68.02	-25.84	13.27	-16.33	-13.27	10.21	-9.01
		1062	7245.29	67.00	-1308.29	-1307.84	66.56	-24.82	14.19	-14.24	-11.09	11.05	-8.92
		60	7343.46	67.01	-1304.45	-1304.00	66.56	-24.82	13.78	-15.21	-12.49	11.06	-8.45
		57	7501.90	68.51	-1303.77	-1303.28	68.02	-25.84	12.87	-17.32	-14.68	10.22	-8.54
673	10	1061	7346.05	67.40	-1290.06	-1289.56	66.90	-25.90	13.81	-16.05	-13.05	10.81	-8.97
		1062	7177.01	64.97	-1291.16	-1290.72	64.54	-24.25	14.88	-13.59	-10.65	11.94	-8.66
		60	7243.13	64.98	-1274.83	-1274.39	64.54	-24.25	15.04	-14.29	-11.84	12.59	-8.11
		57	7411.13	67.41	-1273.73	-1273.23	66.90	-25.90	13.97	-16.75	-14.24	11.46	-8.42
673	11	1061	7376.47	67.54	-1305.73	-1305.25	67.06	-25.57	12.89	-16.44	-13.35	9.80	-9.01
		1062	7211.23	66.51	-1306.19	-1305.74	66.06	-24.86	13.80	-14.27	-11.10	10.64	-8.88
		60	7326.23	66.51	-1304.21	-1303.76	66.06	-24.86	13.57	-15.21	-12.47	10.84	-8.45
		57	7491.65	67.54	-1303.74	-1303.26	67.06	-25.57	12.68	-17.41	-14.72	10.00	-8.58
674	1	1060	1.047e+04	120.55	-1836.42	-1834.63	118.75	-59.25	23.92	-16.79	-14.86	21.99	-8.65
		1061	1.063e+04	86.64	-1851.38	-1850.70	85.96	-36.30	22.76	-21.77	-17.95	18.94	-12.47
		57	1.021e+04	86.66	-1802.04	-1801.35	85.96	-36.30	13.63	-25.75	-21.53	9.41	-12.18
		54	1.002e+04	120.59	-1787.12	-1785.28	118.75	-59.25	14.58	-20.56	-18.44	12.46	-8.36
674	2	1060	1.042e+04	122.04	-1827.42	-1825.35	119.98	-63.42	22.21	-18.21	-15.80	19.80	-9.58
		1061	1.049e+04	85.97	-1843.20	-1842.41	85.17	-39.05	22.28	-20.91	-17.14	18.50	-12.19
		57	1.012e+04	85.99	-1779.40	-1778.58	85.17	-39.05	15.95	-23.62	-20.04	12.37	-11.35
		54	1.004e+04	122.11	-1763.66	-1761.53	119.98	-63.42	15.88	-20.90	-18.69	13.67	-8.74
674	3	1060	1.035e+04	118.22	-1800.31	-1798.42	116.33	-60.16	24.71	-16.55	-14.53	22.69	-8.89
		1061	1.049e+04	83.48	-1815.57	-1814.87	82.77	-36.66	24.02	-20.71	-17.08	20.39	-12.22
		57	1.001e+04	83.50	-1748.32	-1747.59	82.77	-36.66	15.84	-24.05	-20.28	12.07	-11.66
		54	9849.21	118.29	-1733.10	-1731.14	116.33	-60.16	16.41	-19.77	-17.74	14.38	-8.33
674	4	1060	1.031e+04	117.65	-1793.41	-1791.77	116.01	-55.92	24.72	-16.52	-14.52	22.72	-8.87
		1061	1.045e+04	82.85	-1808.84	-1808.29	82.29	-32.32	24.05	-20.66	-17.04	20.43	-12.19
		57	9990.97	82.86	-1745.10	-1744.53	82.29	-32.32	15.89	-23.98	-20.24	12.15	-11.63
		54	9831.82	117.70	-1729.70	-1728.01	116.01	-55.92	16.45	-19.74	-17.72	14.44	-8.31
674	5	1060	1.154e+04	143.59	-2003.57	-1999.78	139.80	-90.12	24.58	-21.51	-17.92	20.98	-12.36

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1061	1.156e+04	90.63	-2025.99	-2024.57	89.21	-54.71	26.43	-21.82	-17.68	22.28	-13.52
		57	1.096e+04	90.72	-1888.88	-1887.37	89.21	-54.71	22.99	-22.50	-19.37	19.85	-11.52
		54	1.095e+04	143.85	-1866.63	-1862.58	139.80	-90.12	21.19	-22.23	-19.60	18.56	-10.36
674	6	1060	1.043e+04	119.95	-1833.85	-1832.11	118.21	-58.25	23.40	-16.92	-14.96	21.44	-8.66
		1061	1.039e+04	86.03	-1848.84	-1848.20	85.39	-35.27	22.23	-21.80	-17.96	18.39	-12.41
		57	1.019e+04	86.05	-1802.42	-1801.76	85.39	-35.27	13.37	-25.76	-21.50	9.11	-12.18
		54	1.001e+04	119.99	-1787.46	-1785.67	118.21	-58.25	14.32	-20.67	-18.50	12.16	-8.43
674	7	1060	1.025e+04	117.05	-1783.76	-1781.95	115.23	-58.75	24.41	-16.34	-14.40	22.47	-8.69
		1061	1.039e+04	83.37	-1798.59	-1797.90	82.68	-35.96	23.59	-20.65	-17.03	19.97	-12.12
		57	9944.27	83.39	-1739.83	-1739.12	82.68	-35.96	15.25	-24.14	-20.33	11.43	-11.65
		54	9778.96	117.11	-1725.04	-1723.16	115.23	-58.75	15.93	-19.70	-17.69	13.93	-8.22
674	8	1060	8011.18	90.79	-1387.81	-1386.37	89.35	-46.13	19.74	-12.60	-11.09	18.23	-6.82
		1061	8120.06	64.35	-1399.43	-1398.88	63.81	-28.26	19.16	-15.84	-13.08	16.40	-9.44
		57	7753.79	64.37	-1349.45	-1348.89	63.81	-28.26	12.72	-18.48	-15.61	9.85	-9.01
		54	7629.03	90.84	-1337.86	-1336.37	89.35	-46.13	13.20	-15.15	-13.62	11.68	-6.39
674	9	1060	7356.75	85.36	-1294.72	-1293.42	84.06	-42.29	16.31	-12.02	-10.59	14.89	-6.20
		1061	7471.37	60.90	-1305.49	-1305.01	60.41	-25.74	15.61	-15.40	-12.68	12.89	-8.78
		57	7163.13	60.91	-1266.36	-1265.86	60.41	-25.74	9.42	-18.06	-15.09	6.45	-8.53
		54	7029.90	85.39	-1255.61	-1254.28	84.06	-42.29	9.99	-14.55	-13.01	8.45	-5.95
674	10	1060	7288.57	84.07	-1274.65	-1273.30	82.72	-42.80	16.75	-11.89	-10.41	15.27	-6.33
		1061	7389.82	59.14	-1285.60	-1285.10	58.64	-25.94	16.31	-14.81	-12.19	13.69	-8.64
		57	7051.12	59.16	-1236.51	-1236.00	58.64	-25.94	10.64	-17.11	-14.40	7.93	-8.24
		54	6936.18	84.12	-1225.60	-1224.20	82.72	-42.80	11.01	-14.11	-12.62	9.52	-5.93
674	11	1060	7335.82	85.02	-1293.29	-1292.02	83.76	-41.73	16.02	-12.09	-10.65	14.58	-6.20
		1061	7445.34	60.56	-1304.08	-1303.62	60.10	-25.17	15.31	-15.41	-12.68	12.58	-8.75
		57	7151.91	60.57	-1266.57	-1266.09	60.10	-25.17	9.28	-18.06	-15.08	6.29	-8.53
		54	7024.05	85.06	-1255.80	-1254.50	83.76	-41.73	9.85	-14.61	-13.05	8.29	-5.98
675	1	1059	9675.91	136.77	-1678.60	-1674.67	132.84	-84.38	26.79	-10.82	-10.30	26.28	-4.37
		1060	1.010e+04	79.74	-1702.48	-1701.28	78.53	-46.37	22.97	-21.31	-18.28	19.95	-11.17
		54	9232.73	79.80	-1606.04	-1604.77	78.53	-46.37	7.85	-26.95	-22.86	3.76	-11.21
		51	8690.12	136.99	-1582.31	-1578.16	132.84	-84.38	10.85	-15.63	-14.88	10.09	-4.41
675	2	1059	9587.80	137.26	-1667.69	-1663.15	132.72	-90.40	24.75	-12.05	-11.21	23.90	-5.51
		1060	9952.83	78.95	-1691.75	-1690.24	77.44	-51.71	22.43	-20.60	-17.48	19.31	-11.16
		54	9125.46	79.05	-1582.58	-1580.97	77.44	-51.71	9.92	-25.02	-21.43	6.33	-10.62
		51	8691.52	137.55	-1558.72	-1553.89	132.72	-90.40	11.83	-16.07	-15.15	10.92	-4.97
675	3	1059	9533.02	134.11	-1640.61	-1636.47	129.97	-85.62	27.16	-10.73	-10.09	26.52	-4.88
		1060	9941.35	77.14	-1664.31	-1663.00	75.83	-47.72	24.10	-20.39	-17.39	21.10	-11.15
		54	9029.96	77.22	-1556.41	-1555.01	75.83	-47.72	9.82	-25.35	-21.63	6.11	-10.81
		51	8528.78	134.38	-1532.89	-1528.48	129.97	-85.62	12.30	-15.10	-14.33	11.53	-4.53
675	4	1059	9518.36	136.06	-1635.23	-1631.38	132.21	-82.49	27.23	-10.68	-10.06	26.60	-4.84
		1060	9921.22	77.53	-1659.79	-1658.70	76.44	-43.45	24.14	-20.36	-17.38	21.16	-11.13
		54	9020.98	77.60	-1555.26	-1554.11	76.44	-43.45	9.84	-25.33	-21.63	6.13	-10.79
		51	8524.23	136.30	-1530.87	-1526.78	132.21	-82.49	12.34	-15.07	-14.31	11.58	-4.50
675	5	1059	1.045e+04	155.10	-1803.71	-1795.67	147.06	-125.23	26.15	-14.78	-12.85	24.23	-8.67
		1060	1.083e+04	86.20	-1830.51	-1827.14	82.84	-80.27	26.04	-21.98	-17.96	22.02	-13.30
		54	9780.68	86.52	-1665.63	-1661.95	82.84	-80.27	15.04	-24.70	-21.09	11.42	-11.43
		51	9367.83	155.84	-1639.26	-1630.48	147.06	-125.23	15.12	-17.46	-15.97	13.63	-6.79
675	6	1059	9653.62	138.36	-1676.77	-1672.88	134.46	-84.01	26.44	-10.87	-10.36	25.92	-4.37
		1060	1.007e+04	80.02	-1701.26	-1700.11	78.88	-45.10	22.60	-21.34	-18.30	19.56	-11.14
		54	9224.28	80.09	-1607.36	-1606.16	78.88	-45.10	7.64	-26.99	-22.86	3.51	-11.23
		51	8688.12	138.57	-1583.03	-1578.92	134.46	-84.01	10.64	-15.69	-14.91	9.87	-4.46
675	7	1059	9454.38	132.50	-1627.83	-1623.86	128.54	-83.43	26.97	-10.57	-9.99	26.39	-4.64
		1060	9858.35	76.80	-1651.07	-1649.82	75.56	-46.35	23.73	-20.28	-17.35	20.79	-10.98
		54	8977.11	76.88	-1549.66	-1548.33	75.56	-46.35	9.39	-25.37	-21.65	5.68	-10.74
		51	8476.20	132.74	-1526.58	-1522.37	128.54	-83.43	12.01	-15.03	-14.29	11.27	-4.40
675	8	1059	7387.28	103.11	-1264.87	-1261.74	99.98	-65.39	21.63	-8.14	-7.68	21.16	-3.70
		1060	7698.71	59.48	-1283.05	-1282.07	58.50	-36.35	19.23	-15.58	-13.32	16.97	-8.58
		54	6995.00	59.55	-1201.85	-1200.80	58.50	-36.35	8.06	-19.44	-16.65	5.27	-8.30
		51	6611.76	103.31	-1183.81	-1180.48	99.98	-65.39	10.02	-11.57	-11.01	9.47	-3.41
675	9	1059	6788.89	96.68	-1182.65	-1179.79	93.82	-60.49	18.29	-7.77	-7.37	17.89	-3.22
		1060	7092.68	56.06	-1199.62	-1198.73	55.17	-33.43	15.74	-15.10	-12.91	13.55	-7.92
		54	6472.74	56.11	-1127.84	-1126.90	55.17	-33.43	5.33	-18.97	-16.04	2.40	-7.91
		51	6091.01	96.85	-1111.00	-1107.96	93.82	-60.49	7.32	-11.08	-10.50	6.73	-3.22
675	10	1059	6709.54	95.21	-1161.55	-1158.57	92.23	-61.17	18.50	-7.73	-7.25	18.02	-3.51
		1060	7002.17	54.62	-1178.41	-1177.46	53.67	-34.18	16.36	-14.59	-12.42	14.19	-7.91
		54	6359.49	54.68	-1100.27	-1099.26	53.67	-34.18	6.42	-18.08	-15.36	3.70	-7.69
		51	6001.07	95.41	-1083.55	-1080.36	92.23	-61.17	8.12	-10.78	-10.19	7.53	-3.29
675	11	1059	6776.58	97.57	-1181.64	-1178.79	94.72	-60.28	18.09	-7.80	-7.40	17.68	-3.22
		1060	7076.52	56.22	-1198.93	-1198.08	55.36	-32.73	15.53	-15.12	-12.92	13.33	-7.90
		54	6468.07	56.27	-1128.58	-1127.67	55.36	-32.73	5.21	-18.99	-16.04	2.26	-7.92
		51	6089.95	97.73	-1111.40	-1108.39	94.72	-60.28	7.20	-11.11	-10.52	6.61	-3.24
676	1	1058	8185.37	137.01	-1388.33	-1382.40	131.08	-94.90	28.72	-4.98	-4.98	28.72	0.03

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1059	8760.26	74.75	-1412.94	-1410.97	72.78	-54.09	21.89	-18.84	-16.72	19.77	-9.04
		51	7589.83	74.94	-1281.72	-1279.56	72.78	-54.09	2.81	-25.55	-21.96	-0.78	-9.43
		48	6773.15	137.57	-1257.47	-1250.99	131.08	-94.90	8.17	-10.23	-10.22	8.16	-0.36
676	2	1058	8048.45	135.79	-1375.90	-1369.03	128.92	-101.67	26.30	-5.86	-5.81	26.25	-1.25
		1059	8602.39	73.47	-1399.98	-1397.45	70.94	-61.07	21.25	-18.29	-15.98	18.93	-9.28
		51	7473.78	73.74	-1259.48	-1256.68	70.94	-61.07	4.47	-23.97	-20.68	1.18	-9.10
		48	6746.05	136.50	-1235.84	-1228.26	128.92	-101.67	8.55	-10.58	-10.52	8.49	-1.06
676	3	1058	8026.65	135.43	-1351.51	-1345.19	129.11	-96.71	28.42	-4.97	-4.95	28.41	-0.70
		1059	8591.67	73.02	-1375.90	-1373.74	70.86	-55.93	22.70	-18.07	-15.87	20.50	-9.22
		51	7408.33	73.24	-1241.23	-1238.85	70.86	-55.93	4.42	-24.14	-20.84	1.11	-9.14
		48	6639.01	136.06	-1217.25	-1210.31	129.11	-96.71	9.04	-9.94	-9.92	9.02	-0.62
676	4	1058	8034.76	139.79	-1348.71	-1342.45	133.53	-96.27	28.55	-4.92	-4.91	28.53	-0.65
		1059	8592.27	74.73	-1374.24	-1372.24	72.74	-53.71	22.76	-18.07	-15.88	20.57	-9.20
		51	7412.54	74.93	-1241.62	-1239.43	72.74	-53.71	4.42	-24.17	-20.86	1.10	-9.15
		48	6647.53	140.40	-1216.50	-1209.64	133.53	-96.27	9.09	-9.91	-9.89	9.07	-0.60
676	5	1058	8553.98	148.19	-1462.69	-1450.82	136.33	-137.74	26.22	-7.52	-6.93	25.62	-4.43
		1059	9213.86	79.57	-1487.07	-1481.41	73.91	-94.04	23.78	-19.88	-16.34	20.25	-11.91
		51	7925.76	80.28	-1314.64	-1308.27	73.91	-94.04	7.50	-24.50	-20.65	3.65	-10.42
		48	7149.33	149.62	-1290.98	-1277.69	136.33	-137.74	9.44	-11.65	-11.23	9.02	-2.94
676	6	1058	8190.88	143.55	-1387.44	-1381.19	137.30	-97.60	28.59	-4.98	-4.97	28.59	0.07
		1059	8756.59	76.88	-1413.71	-1411.75	74.92	-53.93	21.64	-18.89	-16.77	19.52	-9.03
		51	7599.42	77.06	-1284.42	-1282.28	74.92	-53.93	2.62	-25.68	-22.01	-1.05	-9.51
		48	6785.61	144.13	-1258.54	-1251.71	137.30	-97.60	8.03	-10.23	-10.22	8.02	-0.41
676	7	1058	7973.45	132.32	-1343.23	-1337.30	126.38	-93.39	28.36	-4.90	-4.89	28.35	-0.46
		1059	8529.16	72.07	-1366.93	-1364.90	70.04	-53.96	22.43	-17.94	-15.83	20.32	-9.00
		51	7367.63	72.27	-1236.15	-1233.92	70.04	-53.96	4.18	-24.07	-20.82	0.92	-9.02
		48	6603.83	132.89	-1212.83	-1206.31	126.38	-93.39	8.97	-9.89	-9.88	8.95	-0.48
676	8	1058	6227.75	104.44	-1042.13	-1037.38	99.68	-73.67	22.52	-3.77	-3.76	22.51	-0.47
		1059	6655.60	56.44	-1060.95	-1059.35	54.84	-42.29	18.11	-13.78	-12.14	16.46	-7.05
		51	5740.49	56.60	-959.20	-957.44	54.84	-42.29	3.87	-18.44	-16.01	1.45	-6.94
		48	5157.99	104.90	-940.68	-935.46	99.68	-73.67	7.50	-7.65	-7.64	7.49	-0.36
676	9	1058	5729.71	96.58	-977.32	-972.96	92.22	-68.23	19.65	-3.59	-3.58	19.65	-0.15
		1059	6143.83	52.47	-994.65	-993.17	50.98	-39.36	14.97	-13.39	-11.82	13.41	-6.47
		51	5317.61	52.62	-899.20	-897.57	50.98	-39.36	1.74	-18.08	-15.44	-0.91	-6.74
		48	4734.58	97.00	-882.14	-877.36	92.22	-68.23	5.35	-7.22	-7.20	5.33	-0.41
676	10	1058	5641.85	95.70	-956.86	-952.29	91.13	-69.23	19.49	-3.58	-3.57	19.48	-0.55
		1059	6049.97	51.51	-974.08	-972.48	49.92	-40.38	15.42	-12.96	-11.35	13.81	-6.57
		51	5216.14	51.68	-876.71	-874.95	49.92	-40.38	2.63	-17.29	-14.81	0.15	-6.58
		48	4659.98	96.17	-859.80	-854.76	91.13	-69.23	5.83	-7.06	-7.03	5.81	-0.56
676	11	1058	5732.77	100.21	-976.82	-972.29	95.68	-69.73	19.58	-3.58	-3.58	19.58	-0.12
		1059	6141.83	53.65	-995.08	-993.60	52.18	-39.27	14.84	-13.41	-11.85	13.27	-6.47
		51	5323.01	53.80	-900.70	-899.08	52.18	-39.27	1.63	-18.16	-15.47	-1.06	-6.78
		48	4741.58	100.65	-882.73	-877.76	95.68	-69.73	5.27	-7.22	-7.20	5.25	-0.44
677	1	1057	5934.48	66.63	-980.16	-978.35	64.82	-43.41	28.07	-0.45	0.03	27.59	3.67
		1058	6517.01	63.26	-981.54	-979.92	61.64	-41.18	19.47	-13.92	-12.74	18.29	-6.18
		48	5307.11	63.50	-846.71	-844.84	61.64	-41.18	-0.04	-20.29	-18.15	-2.18	-6.22
		45	4447.38	66.89	-845.35	-843.28	64.82	-43.41	8.09	-6.36	-5.38	7.12	3.62
677	2	1057	5729.86	62.00	-966.29	-963.91	59.61	-49.41	25.39	-0.89	-0.67	25.18	2.37
		1058	6353.32	60.84	-966.75	-964.44	58.53	-48.66	18.71	-13.54	-12.11	17.27	-6.64
		48	5196.13	61.21	-828.13	-825.46	58.53	-48.66	1.03	-19.22	-17.14	-1.05	-6.15
		45	4366.48	62.37	-827.68	-824.93	59.61	-49.41	7.47	-6.32	-5.70	6.85	2.86
677	3	1057	5738.09	61.00	-950.82	-948.82	59.00	-44.94	26.71	-0.55	-0.28	26.44	2.69
		1058	6349.17	61.40	-950.66	-948.63	59.37	-45.20	19.77	-13.28	-11.95	18.44	-6.49
		48	5159.94	61.70	-817.87	-815.54	59.37	-45.20	1.25	-19.03	-17.11	-0.67	-5.94
		45	4337.83	61.30	-818.03	-815.73	59.00	-44.94	8.10	-6.22	-5.44	7.33	3.24
677	4	1057	5743.53	60.63	-951.91	-949.84	58.56	-45.75	26.74	-0.56	-0.29	26.47	2.69
		1058	6359.33	62.67	-951.10	-948.90	60.48	-47.09	19.82	-13.26	-11.95	18.50	-6.47
		48	5163.62	63.01	-817.21	-814.69	60.48	-47.09	1.31	-18.99	-17.09	-0.58	-5.91
		45	4339.44	60.95	-818.01	-815.63	58.56	-45.75	8.17	-6.22	-5.44	7.39	3.26
677	5	1057	5775.71	49.89	-1007.55	-1002.31	44.64	-74.28	23.13	-1.52	-1.50	23.11	-0.77
		1058	6649.74	61.56	-1003.41	-997.11	55.26	-81.71	19.80	-15.01	-12.22	17.01	-9.45
		48	5419.85	62.62	-851.44	-844.08	55.26	-81.71	2.25	-20.15	-17.16	-0.73	-7.61
		45	4415.84	50.77	-855.41	-849.28	44.64	-74.28	5.46	-6.53	-6.44	5.36	1.07
677	6	1057	5922.31	62.90	-984.66	-982.62	60.85	-46.26	27.81	-0.51	-0.05	27.34	3.61
		1058	6523.65	64.45	-984.04	-981.90	62.31	-47.28	19.30	-13.94	-12.74	18.11	-6.18
		48	5307.33	64.78	-845.46	-843.00	62.31	-47.28	-0.07	-20.26	-18.12	-2.21	-6.21
		45	4434.51	63.21	-846.08	-843.72	60.85	-46.26	7.98	-6.37	-5.42	7.02	3.57
677	7	1057	5736.77	63.31	-945.16	-943.37	61.51	-42.51	26.98	-0.51	-0.18	26.65	2.98
		1058	6318.40	61.08	-946.08	-944.40	59.40	-41.04	19.67	-13.18	-11.95	18.44	-6.25
		48	5143.15	61.32	-816.59	-814.67	59.40	-41.04	1.11	-19.00	-17.13	-0.76	-5.85
		45	4338.89	63.57	-815.70	-813.64	61.51	-42.51	8.29	-6.20	-5.36	7.45	3.38
677	8	1057	4460.81	47.42	-733.66	-732.21	45.98	-33.56	20.98	-0.45	-0.24	20.77	2.12

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1058	4921.10	47.78	-733.52	-732.05	46.31	-33.80	15.74	-10.06	-9.09	14.77	-4.91
		48	4002.61	48.00	-632.97	-631.29	46.31	-33.80	1.46	-14.41	-13.09	0.14	-4.38
		45	3392.25	47.64	-633.12	-631.46	45.98	-33.56	6.77	-4.87	-4.24	6.14	2.65
677	9	1057	4134.82	46.09	-688.94	-687.55	44.69	-31.97	19.28	-0.30	1.64e-03	18.97	2.42
		1058	4562.26	44.03	-689.78	-688.50	42.75	-30.61	13.30	-9.94	-9.03	12.39	-4.50
		48	3712.80	44.23	-592.84	-591.36	42.75	-30.61	-0.34	-14.48	-12.81	-2.01	-4.56
		45	3083.74	46.30	-592.01	-590.41	44.69	-31.97	5.19	-4.39	-3.77	4.57	2.36
677	10	1057	4026.35	42.97	-672.65	-671.14	41.46	-32.83	18.52	-0.36	-0.17	18.33	1.88
		1058	4469.24	43.01	-672.63	-671.12	41.50	-32.85	13.47	-9.59	-8.60	12.48	-4.68
		48	3630.26	43.24	-576.83	-575.09	41.50	-32.85	0.37	-13.77	-12.23	-1.17	-4.40
		45	3023.19	43.20	-576.85	-575.10	41.46	-32.83	5.20	-4.32	-3.80	4.68	2.15
677	11	1057	4128.29	44.02	-691.45	-689.92	42.49	-33.56	19.13	-0.34	-0.04	18.83	2.39
		1058	4566.21	44.70	-691.18	-689.60	43.13	-34.01	13.20	-9.95	-9.04	12.29	-4.51
		48	3713.21	44.95	-592.16	-590.34	43.13	-34.01	-0.36	-14.46	-12.79	-2.03	-4.56
		45	3076.88	44.26	-592.43	-590.65	42.49	-33.56	5.13	-4.40	-3.79	4.51	2.34
678	1	195	2799.09	-81.70	-467.57	-446.81	-102.47	87.08	17.74	0.26	1.43	16.58	4.36
		1057	2871.02	-23.47	-412.52	-409.55	-26.44	33.86	13.41	-5.14	-4.90	13.17	-2.11
		45	2288.60	-22.20	-297.14	-292.90	-26.44	33.86	5.43	-9.03	-9.03	5.43	0.12
		199	2504.19	-72.98	-359.64	-330.15	-102.47	87.08	11.83	-5.70	-2.70	8.83	6.59
678	2	195	2553.00	-85.53	-452.08	-432.10	-105.51	83.21	15.51	0.31	1.07	14.75	3.31
		1057	2708.57	-25.74	-396.40	-394.13	-28.01	28.96	12.57	-4.98	-4.53	12.13	-2.75
		45	2187.43	-24.78	-287.81	-284.58	-28.01	28.96	5.26	-8.54	-8.54	5.25	-0.18
		199	2350.81	-77.28	-350.79	-322.56	-105.51	83.21	10.46	-5.52	-2.93	7.88	5.88
678	3	195	2584.59	-79.61	-446.97	-426.48	-100.10	84.31	15.76	0.17	0.94	14.99	3.37
		1057	2724.54	-23.24	-393.12	-390.24	-26.13	32.53	13.13	-4.70	-4.34	12.77	-2.50
		45	2233.04	-22.10	-288.65	-284.62	-26.13	32.53	6.14	-8.30	-8.29	6.13	0.27
		199	2416.67	-71.58	-349.38	-320.86	-100.10	84.31	11.04	-5.69	-3.01	8.36	6.13
678	4	195	2583.28	-80.50	-445.77	-425.26	-101.01	84.08	15.85	0.18	0.96	15.07	3.40
		1057	2721.22	-23.79	-391.60	-388.80	-26.59	31.99	13.18	-4.68	-4.33	12.83	-2.48
		45	2233.75	-22.68	-288.51	-284.61	-26.59	31.99	6.18	-8.29	-8.29	6.18	0.28
		199	2418.47	-72.56	-349.52	-321.07	-101.01	84.08	11.11	-5.68	-3.00	8.42	6.15
678	5	195	2100.64	-108.55	-440.25	-420.78	-128.02	77.96	11.78	0.64	0.68	11.74	0.65
		1057	2584.50	-38.53	-378.04	-377.30	-39.27	15.84	12.13	-6.18	-4.42	10.36	-5.40
		45	2065.64	-38.25	-284.57	-283.55	-39.27	15.84	3.64	-8.93	-8.69	3.40	-1.74
		199	2056.27	-101.11	-353.94	-327.04	-128.02	77.96	6.60	-5.42	-3.59	4.78	4.31
678	6	195	2780.06	-83.45	-464.25	-443.52	-104.18	86.39	17.75	0.28	1.47	16.57	4.39
		1057	2845.96	-25.34	-409.20	-406.31	-28.24	33.23	13.31	-5.14	-4.90	13.07	-2.11
		45	2276.19	-24.13	-297.17	-293.07	-28.24	33.23	5.28	-9.05	-9.05	5.28	0.06
		199	2490.41	-74.95	-359.51	-330.28	-104.18	86.39	11.76	-5.66	-2.68	8.78	6.56
678	7	195	2632.45	-78.03	-448.95	-428.48	-98.50	84.69	16.19	0.14	1.00	15.33	3.61
		1057	2750.09	-21.87	-395.35	-392.39	-24.83	33.13	13.24	-4.67	-4.38	12.94	-2.28
		45	2245.64	-20.67	-288.37	-284.20	-24.83	33.13	6.25	-8.32	-8.31	6.24	0.37
		199	2440.73	-69.86	-348.94	-320.30	-98.50	84.69	11.37	-5.67	-2.93	8.63	6.26
678	8	195	2017.05	-59.96	-346.38	-330.21	-76.14	66.11	12.18	4.14e-03	0.58	11.61	2.58
		1057	2121.46	-16.87	-304.79	-302.36	-19.29	26.32	10.46	-3.43	-3.20	10.22	-1.80
		45	1771.00	-15.93	-225.03	-221.66	-19.29	26.32	5.50	-6.23	-6.21	5.48	0.50
		199	1920.86	-53.80	-271.84	-249.51	-76.14	66.11	8.95	-4.52	-2.44	6.87	4.87
678	9	195	1927.77	-58.96	-326.39	-312.11	-73.23	60.12	12.27	0.30	1.09	11.48	2.97
		1057	1991.49	-17.61	-287.67	-285.78	-19.50	22.50	9.11	-3.77	-3.55	8.88	-1.68
		45	1567.11	-16.79	-206.56	-203.86	-19.50	22.50	3.17	-6.48	-6.48	3.16	-0.20
		199	1701.50	-52.85	-250.57	-230.19	-73.23	60.12	7.81	-3.89	-1.83	5.76	4.46
678	10	195	1808.56	-57.80	-314.94	-300.82	-71.92	58.58	11.16	0.25	0.82	10.60	2.42
		1057	1910.82	-17.49	-276.89	-275.05	-19.32	21.77	8.95	-3.53	-3.24	8.66	-1.89
		45	1534.44	-16.73	-201.85	-199.25	-19.32	21.77	3.56	-6.07	-6.07	3.56	-0.11
		199	1653.05	-52.08	-244.87	-225.03	-71.92	58.58	7.37	-3.89	-2.01	5.49	4.20
678	11	195	1917.18	-59.93	-324.54	-310.29	-74.19	59.74	12.27	0.31	1.12	11.47	2.99
		1057	1977.68	-18.65	-285.83	-283.98	-20.50	22.15	9.05	-3.77	-3.55	8.83	-1.68
		45	1560.77	-17.86	-206.59	-203.95	-20.50	22.15	3.09	-6.49	-6.49	3.08	-0.23
		199	1693.94	-53.95	-250.50	-230.26	-74.19	59.74	7.78	-3.87	-1.82	5.73	4.44
679	1	987	9261.14	44.98	-1844.60	-1843.39	43.76	-47.92	12.02	-14.05	-11.95	9.92	-7.10
		988	9882.55	13.83	-1858.62	-1858.24	13.45	-26.70	7.56	-26.57	-21.38	2.37	-12.26
		1006	9097.83	13.85	-1739.37	-1738.96	13.45	-26.70	-0.39	-32.02	-22.65	-9.75	-14.44
		1005	8360.42	45.06	-1725.41	-1724.11	43.76	-47.92	3.07	-18.50	-13.22	-2.20	-9.27
679	2	987	9322.10	45.56	-1854.99	-1853.78	44.35	-47.97	12.30	-14.03	-11.97	10.24	-7.08
		988	9943.27	15.67	-1868.44	-1868.03	15.26	-27.61	7.82	-26.57	-21.41	2.66	-12.28
		1006	9156.75	15.69	-1749.56	-1749.13	15.26	-27.61	-0.25	-32.02	-22.72	-9.55	-14.46
		1005	8419.30	45.64	-1736.17	-1734.88	44.35	-47.97	3.22	-18.47	-13.28	-1.97	-9.26
679	3	987	9459.59	46.59	-1893.67	-1892.53	45.44	-47.06	12.42	-13.53	-11.70	10.59	-6.64
		988	1.016e+04	16.62	-1907.20	-1906.83	16.25	-26.62	7.19	-27.77	-22.43	1.85	-12.57
		1006	9295.38	16.65	-1774.90	-1774.50	16.25	-26.62	-1.98	-34.43	-24.01	-12.41	-15.15
		1005	8439.86	46.67	-1761.42	-1760.20	45.44	-47.06	1.92	-18.87	-13.29	-3.66	-9.22
679	4	987	9468.97	45.99	-1897.96	-1897.04	45.07	-42.36	12.31	-13.61	-11.75	10.45	-6.70

		988	1.016e+04	14.95	-1912.14	-1911.91	14.72	-21.11	7.11	-27.79	-22.42	1.74	-12.59
		1006	9272.33	14.97	-1772.69	-1772.44	14.72	-21.11	-1.94	-34.41	-23.97	-12.38	-15.17
		1005	8424.48	46.06	-1758.56	-1757.57	45.07	-42.36	1.97	-18.94	-13.30	-3.67	-9.28
679	5	987	1.094e+04	52.22	-2161.04	-2160.51	51.69	-34.20	19.96	-12.13	-11.26	19.08	-5.23
		988	1.178e+04	31.17	-2170.83	-2170.65	30.99	-19.71	12.01	-30.37	-25.31	6.95	-13.74
		1006	1.087e+04	31.18	-2065.28	-2065.10	30.99	-19.71	-2.50	-39.90	-28.54	-13.86	-17.20
		1005	9776.85	52.24	-2055.51	-2054.95	51.69	-34.20	2.67	-18.89	-14.49	-1.74	-8.69
679	6	987	9290.39	44.62	-1853.22	-1852.20	43.60	-44.07	11.90	-14.16	-12.02	9.76	-7.16
		988	9906.20	12.73	-1867.72	-1867.45	12.47	-22.28	7.49	-26.61	-21.39	2.27	-12.28
		1006	9101.43	12.75	-1743.05	-1742.77	12.47	-22.28	-0.35	-31.99	-22.63	-9.72	-14.44
		1005	8371.56	44.69	-1728.61	-1727.51	43.60	-44.07	3.09	-18.58	-13.26	-2.23	-9.33
679	7	987	9239.40	45.33	-1843.64	-1842.43	44.12	-47.80	11.58	-14.21	-12.04	9.40	-7.17
		988	9857.52	14.51	-1857.52	-1857.13	14.12	-26.81	7.22	-26.60	-21.36	1.98	-12.23
		1006	9044.29	14.54	-1729.40	-1728.98	14.12	-26.81	-0.50	-31.93	-22.55	-9.88	-14.38
		1005	8313.48	45.42	-1715.58	-1714.29	44.12	-47.80	2.92	-18.60	-13.23	-2.45	-9.31
679	8	987	7290.23	35.85	-1458.38	-1457.50	34.98	-36.18	9.81	-10.28	-8.91	8.45	-5.05
		988	7839.21	12.75	-1468.81	-1468.53	12.46	-20.42	5.69	-20.42	-17.32	1.59	-9.71
		1006	7165.81	12.77	-1367.05	-1366.75	12.46	-20.42	-1.57	-26.66	-18.57	-9.65	-11.73
		1005	6494.16	35.92	-1356.66	-1355.72	34.98	-36.18	1.49	-14.45	-10.17	-2.80	-7.07
679	9	987	6580.75	32.10	-1312.81	-1311.95	31.24	-33.97	8.28	-10.09	-8.57	6.75	-5.07
		988	7019.38	10.16	-1322.69	-1322.41	9.88	-19.03	5.15	-18.92	-15.21	1.43	-8.70
		1006	6460.28	10.17	-1236.22	-1235.93	9.88	-19.03	-0.38	-22.77	-16.09	-7.06	-10.24
		1005	5940.81	32.16	-1226.39	-1225.47	31.24	-33.97	2.06	-13.25	-9.46	-1.73	-6.61
679	10	987	6690.79	32.99	-1340.07	-1339.25	32.17	-33.50	8.49	-9.80	-8.43	7.13	-4.81
		988	7174.57	11.71	-1349.67	-1349.41	11.44	-18.99	4.94	-19.58	-15.79	1.14	-8.87
		1006	6569.90	11.73	-1255.96	-1255.68	11.44	-18.99	-1.27	-24.11	-16.85	-8.53	-10.63
		1005	5984.97	33.05	-1246.40	-1245.52	32.17	-33.50	1.42	-13.46	-9.49	-2.55	-6.58
679	11	987	6597.02	31.90	-1317.60	-1316.85	31.15	-31.84	8.21	-10.16	-8.61	6.67	-5.10
		988	7032.53	9.54	-1327.74	-1327.53	9.34	-16.57	5.11	-18.94	-15.21	1.38	-8.71
		1006	6462.27	9.56	-1238.27	-1238.05	9.34	-16.57	-0.36	-22.75	-16.08	-7.04	-10.24
		1005	5946.99	31.95	-1228.16	-1227.36	31.15	-31.84	2.07	-13.29	-9.48	-1.75	-6.64
680	1	1047	2931.54	-59.55	-383.61	-371.60	-71.56	61.23	-6.29	-28.18	-14.52	-19.95	-10.60
		192	1764.36	-30.06	-356.85	-353.10	-33.81	34.80	-0.87	-8.14	-0.87	-8.14	-0.14
		196	1585.75	-29.62	-323.25	-319.06	-33.81	34.80	11.21	4.23	4.65	10.79	1.67
		1065	2296.89	-58.14	-350.98	-337.56	-71.56	61.23	4.65	-14.67	-8.99	-1.02	-8.80
680	2	1047	2990.75	-61.05	-385.44	-372.34	-74.15	63.87	-6.89	-29.01	-15.13	-20.77	-10.69
		192	1761.73	-32.84	-358.83	-354.31	-37.36	38.11	-0.46	-7.78	-0.47	-7.77	0.28
		196	1766.02	-32.51	-336.86	-332.01	-37.36	38.11	13.17	4.23	5.15	12.26	2.71
		1065	2345.89	-60.09	-364.11	-350.04	-74.15	63.87	4.24	-14.48	-9.51	-0.74	-8.27
680	3	1047	2810.18	-53.70	-402.93	-388.31	-68.32	69.95	-6.59	-25.68	-14.41	-17.86	-9.39
		192	1686.22	-23.31	-373.87	-368.76	-28.42	42.02	-0.77	-6.45	-0.95	-6.27	1.00
		196	1875.25	-22.72	-338.18	-332.48	-28.42	42.02	13.43	3.77	4.59	12.62	2.69
		1065	2317.97	-52.01	-368.35	-352.04	-68.32	69.95	5.23	-13.07	-8.87	1.02	-7.70
680	4	1047	2749.92	-23.00	-408.04	-382.62	-48.42	95.60	-6.68	-25.85	-14.49	-18.03	-9.42
		192	1744.56	18.69	-361.47	-353.60	10.82	54.13	-0.66	-6.42	-0.91	-6.17	1.16
		196	1943.30	20.45	-293.64	-284.01	10.82	54.13	14.08	3.91	4.84	13.15	2.94
		1065	2145.88	-17.50	-343.96	-313.04	-48.42	95.60	5.41	-12.87	-8.75	1.29	-7.64
680	5	1047	2956.52	-35.46	-452.69	-413.60	-74.55	121.58	-8.94	-26.84	-17.06	-18.72	-8.91
		192	1826.10	-3.43	-406.71	-387.95	-22.19	84.93	2.31	-5.76	0.05	-3.50	3.62
		196	2970.85	-3.68	-411.96	-393.46	-22.19	84.93	22.43	3.49	6.26	19.66	6.70
		1065	2786.41	-35.97	-457.70	-419.12	-74.55	121.58	6.41	-12.82	-10.85	4.43	-5.84
680	6	1047	2966.14	-34.99	-387.34	-366.78	-55.55	82.59	-6.40	-28.92	-14.87	-20.45	-10.91
		192	1842.09	8.61	-342.61	-337.74	3.73	41.10	-0.46	-7.89	-0.46	-7.89	0.03
		196	1721.84	9.54	-286.98	-281.17	3.73	41.10	12.93	4.72	5.29	12.35	2.10
		1065	2198.40	-31.11	-334.66	-310.22	-55.55	82.59	5.25	-14.57	-9.12	-0.20	-8.85
680	7	1047	2831.46	-55.00	-386.80	-373.49	-68.31	65.11	-6.49	-26.70	-14.37	-18.82	-9.86
		192	1699.84	-24.43	-358.29	-354.06	-28.66	37.36	-0.77	-7.09	-0.81	-7.05	0.51
		196	1734.21	-23.93	-323.95	-319.22	-28.66	37.36	12.56	3.96	4.66	11.85	2.36
		1065	2265.99	-53.44	-353.51	-338.65	-68.31	65.11	4.77	-13.58	-8.89	0.08	-8.01
680	8	1047	2156.36	-41.05	-310.71	-299.41	-52.34	54.03	-5.05	-19.64	-11.06	-13.63	-7.18
		192	1295.55	-17.62	-288.29	-284.33	-21.58	32.49	-0.63	-4.95	-0.77	-4.80	0.78
		196	1439.83	-17.15	-260.02	-255.59	-21.58	32.49	10.27	2.89	3.49	9.66	2.02
		1065	1782.23	-39.71	-283.30	-270.67	-52.34	54.03	4.08	-10.03	-6.79	0.83	-5.94
680	9	1047	2070.59	-41.75	-273.62	-264.82	-50.55	44.30	-4.53	-19.83	-10.33	-14.03	-7.42
		192	1243.08	-20.70	-254.35	-251.56	-23.48	25.36	-0.58	-5.57	-0.58	-5.57	0.03
		196	1164.03	-20.38	-231.10	-228.01	-23.48	25.36	8.32	2.97	3.34	7.95	1.37
		1065	1630.41	-40.76	-251.06	-241.27	-50.55	44.30	3.30	-10.22	-6.41	-0.52	-6.08
680	10	1047	2003.27	-38.50	-284.36	-274.11	-48.75	49.15	-4.70	-18.44	-10.27	-12.87	-6.74
		192	1200.34	-16.94	-263.80	-260.26	-20.49	29.37	-0.52	-4.64	-0.63	-4.52	0.66
		196	1325.83	-16.55	-239.40	-235.46	-20.49	29.37	9.56	2.71	3.31	8.96	1.93
		1065	1643.87	-37.35	-260.71	-249.31	-48.75	49.15	3.63	-9.34	-6.33	0.62	-5.47
680	11	1047	2057.12	-28.17	-275.63	-262.15	-41.65	56.17	-4.59	-20.24	-10.52	-14.31	-7.59

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		192	1285.42	0.79	-246.44	-243.03	-2.63	28.85	-0.35	-5.43	-0.35	-5.43	0.13
		196	1239.34	1.37	-210.95	-206.96	-2.63	28.85	9.28	3.23	3.70	8.82	1.61
		1065	1577.19	-25.89	-241.84	-226.08	-41.65	56.17	3.63	-10.17	-6.47	-0.06	-6.11
681	1	1046	5679.59	-48.51	-941.49	-940.71	-49.28	-26.26	-8.42	-38.09	-21.28	-25.23	-14.70
		1047	3901.47	-20.29	-929.83	-927.60	-22.52	-44.99	-3.07	-12.70	-4.35	-11.42	-3.27
		1065	4424.03	-20.30	-933.55	-931.33	-22.52	-44.99	14.02	0.84	0.87	13.98	-0.68
		1064	5673.55	-48.51	-945.21	-944.44	-49.28	-26.26	6.64	-22.52	-16.06	0.17	-12.11
681	2	1046	5777.37	-47.09	-950.13	-949.65	-47.56	-20.78	-9.55	-39.94	-22.24	-27.25	-14.99
		1047	4003.04	-18.51	-938.00	-936.26	-20.25	-39.90	-3.11	-12.80	-4.00	-11.90	-2.81
		1065	4480.91	-18.52	-941.63	-939.90	-20.25	-39.90	15.35	1.47	1.49	15.33	0.52
		1064	5719.69	-47.09	-953.77	-953.29	-47.56	-20.78	5.96	-22.73	-16.75	-0.03	-11.66
681	3	1046	5696.16	-45.75	-957.25	-956.96	-46.03	-16.04	-9.03	-37.34	-21.76	-24.60	-14.08
		1047	3907.65	-18.37	-945.32	-944.04	-19.65	-34.51	-3.36	-10.55	-3.98	-9.94	-2.01
		1065	4569.37	-18.34	-930.59	-929.29	-19.65	-34.51	17.49	1.64	1.68	17.45	0.81
		1064	5712.71	-45.74	-942.50	-942.21	-46.03	-16.04	8.04	-21.36	-16.10	2.78	-11.27
681	4	1046	5605.27	-44.98	-940.61	-940.58	-45.01	-5.06	-9.03	-37.26	-21.73	-24.56	-14.04
		1047	3855.29	-20.04	-929.15	-928.61	-20.58	-22.16	-3.31	-10.43	-3.85	-9.89	-1.89
		1065	4486.64	-20.02	-907.31	-906.75	-20.58	-22.16	17.83	1.82	1.86	17.78	0.87
		1064	5607.82	-44.98	-918.75	-918.72	-45.01	-5.06	8.33	-21.24	-16.01	3.10	-11.28
681	5	1046	6371.00	-41.67	-1068.10	-1066.89	-42.88	35.30	-13.58	-43.91	-27.07	-30.42	-15.07
		1047	4444.54	-6.98	-1049.44	-1049.34	-7.08	10.24	-2.85	-9.91	-2.93	-9.82	0.78
		1065	5709.26	-6.98	-1070.43	-1070.34	-7.08	10.24	28.28	2.83	4.15	26.97	5.62
		1064	6663.05	-41.69	-1089.07	-1087.88	-42.88	35.30	9.87	-23.49	-19.99	6.37	-10.23
681	6	1046	5624.70	-50.73	-927.36	-926.81	-51.29	-22.08	-8.29	-37.98	-21.27	-25.00	-14.73
		1047	3839.34	-26.95	-917.30	-915.67	-28.57	-37.98	-2.84	-12.27	-4.09	-11.02	-3.19
		1065	4386.34	-26.95	-922.12	-920.50	-28.57	-37.98	14.76	1.10	1.13	14.74	-0.55
		1064	5635.02	-50.74	-932.19	-931.63	-51.29	-22.08	7.08	-22.37	-16.06	0.76	-12.09
681	7	1046	5614.31	-46.58	-933.34	-932.88	-47.05	-20.27	-8.88	-37.63	-21.42	-25.09	-14.26
		1047	3860.79	-19.19	-921.69	-920.04	-20.84	-38.61	-3.14	-11.49	-3.96	-10.67	-2.47
		1065	4416.90	-19.17	-914.37	-912.70	-20.84	-38.61	15.93	1.48	1.49	15.92	0.35
		1064	5599.94	-46.58	-926.00	-925.54	-47.05	-20.27	7.16	-21.63	-15.98	1.51	-11.43
681	8	1046	4384.74	-35.08	-737.34	-737.11	-35.31	-12.45	-6.91	-28.65	-16.74	-18.83	-10.82
		1047	3005.53	-14.16	-728.23	-727.24	-15.15	-26.56	-2.60	-8.06	-3.07	-7.59	-1.53
		1065	3522.08	-14.14	-716.16	-715.15	-15.15	-26.56	13.54	1.27	1.30	13.51	0.59
		1064	4402.23	-35.08	-725.26	-725.03	-35.31	-12.45	6.32	-16.42	-12.37	2.28	-8.70
681	9	1046	4028.47	-34.21	-668.59	-668.12	-34.68	-17.23	-6.10	-27.03	-15.17	-17.96	-10.37
		1047	2769.53	-14.15	-660.22	-658.77	-15.60	-30.59	-2.20	-8.80	-3.02	-7.99	-2.18
		1065	3145.67	-14.15	-661.28	-659.83	-15.60	-30.59	10.28	0.72	0.73	10.28	-0.25
		1064	4020.12	-34.21	-669.65	-669.18	-34.68	-17.23	4.72	-15.85	-11.42	0.30	-8.45
681	10	1046	4037.67	-32.67	-677.35	-677.15	-32.88	-11.55	-6.44	-26.62	-15.44	-17.62	-10.03
		1047	2773.08	-13.07	-668.84	-667.90	-14.01	-24.76	-2.36	-7.62	-2.81	-7.17	-1.47
		1065	3228.15	-13.06	-659.65	-658.70	-14.01	-24.76	12.23	1.15	1.18	12.20	0.57
		1064	4042.34	-32.67	-668.15	-667.94	-32.88	-11.55	5.51	-15.21	-11.45	1.75	-7.98
681	11	1046	3997.97	-35.44	-660.75	-660.39	-35.80	-14.91	-6.03	-26.98	-15.17	-17.84	-10.39
		1047	2734.91	-17.84	-653.27	-652.14	-18.96	-26.69	-2.08	-8.56	-2.88	-7.77	-2.13
		1065	3125.48	-17.84	-654.94	-653.82	-18.96	-26.69	10.70	0.87	0.87	10.70	-0.18
		1064	3998.87	-35.44	-662.42	-662.07	-35.80	-14.91	4.97	-15.77	-11.42	0.63	-8.44
682	1	1045	7575.24	-1.80	-1374.53	-1368.81	-7.52	-88.43	-6.36	-36.80	-22.86	-20.30	-15.16
		1046	6253.29	13.13	-1369.09	-1362.11	6.14	-98.00	-3.40	-17.19	-10.05	-10.54	-6.89
		1064	6923.79	12.88	-1419.80	-1413.06	6.14	-98.00	10.16	-8.28	-6.61	8.49	-5.29
		1063	8000.09	-2.01	-1425.28	-1419.76	-7.52	-88.43	5.97	-26.67	-19.42	-1.28	-13.56
682	2	1045	7658.93	0.76	-1383.69	-1378.67	-4.25	-83.18	-8.07	-39.23	-24.03	-23.28	-15.58
		1046	6192.15	14.26	-1378.67	-1372.58	8.17	-91.88	-4.32	-17.32	-9.77	-11.87	-6.42
		1064	6883.49	14.07	-1422.45	-1416.55	8.17	-91.88	10.47	-6.97	-5.94	9.45	-4.10
		1063	8026.29	0.61	-1427.50	-1422.63	-4.25	-83.18	5.01	-27.17	-20.20	-1.96	-13.26
682	3	1045	7647.38	-0.58	-1384.56	-1379.92	-5.22	-80.00	-7.05	-37.34	-23.69	-20.71	-15.07
		1046	6205.50	11.62	-1379.97	-1374.40	6.05	-87.89	-3.69	-15.11	-9.38	-9.42	-5.71
		1064	6920.46	11.52	-1404.18	-1398.71	6.05	-87.89	13.51	-5.97	-5.26	12.80	-3.66
		1063	8031.56	-0.66	-1408.79	-1404.23	-5.22	-80.00	7.72	-25.77	-19.56	1.51	-13.02
682	4	1045	7573.38	-4.29	-1369.64	-1365.84	-8.09	-71.88	-6.97	-37.29	-23.66	-20.60	-15.08
		1046	6126.01	8.42	-1364.75	-1360.05	3.73	-80.15	-3.57	-14.90	-9.24	-9.23	-5.66
		1064	6853.66	8.34	-1388.32	-1383.71	3.73	-80.15	13.86	-5.78	-5.10	13.18	-3.59
		1063	7961.23	-4.36	-1393.23	-1389.50	-8.09	-71.88	7.97	-25.68	-19.52	1.81	-13.01
682	5	1045	8808.34	11.10	-1571.57	-1570.75	10.28	-35.94	-13.39	-48.22	-31.22	-30.39	-17.41
		1046	6695.41	24.14	-1565.84	-1564.58	22.88	-44.76	-6.90	-13.55	-8.78	-11.68	-2.99
		1064	8114.18	24.11	-1604.53	-1603.30	22.88	-44.76	24.07	-2.50	-2.43	24.00	1.34
		1063	9428.86	11.08	-1610.27	-1609.47	10.28	-35.94	10.17	-29.75	-24.87	5.29	-13.08
682	6	1045	7534.29	-5.26	-1365.62	-1360.36	-10.53	-84.45	-6.14	-36.58	-22.80	-19.92	-15.16
		1046	6214.97	11.01	-1359.65	-1353.04	4.41	-94.90	-3.10	-16.86	-9.92	-10.04	-6.88
		1064	6901.06	10.77	-1412.36	-1406.01	4.41	-94.90	10.53	-8.09	-6.52	8.96	-5.18
		1063	7967.47	-5.46	-1418.39	-1413.32	-10.53	-84.45	6.16	-26.48	-19.40	-0.93	-13.45
682	7	1045	7498.83	-1.73	-1355.61	-1350.61	-6.73	-82.13	-7.04	-37.19	-23.22	-21.01	-15.03

		1046	6084.26	11.68	-1350.64	-1344.56	5.61	-90.76	-3.69	-15.83	-9.37	-10.15	-6.06
		1064	6778.98	11.53	-1385.13	-1379.21	5.61	-90.76	11.94	-6.48	-5.53	10.99	-4.07
		1063	7884.62	-1.86	-1390.13	-1385.25	-6.73	-82.13	6.67	-25.91	-19.37	0.14	-13.05
682	8	1045	5892.49	-0.46	-1066.42	-1062.82	-4.06	-61.82	-5.35	-28.69	-18.23	-15.81	-11.60
		1046	4781.21	8.98	-1062.87	-1058.55	4.66	-67.92	-2.79	-11.56	-7.20	-7.14	-4.38
		1064	5337.45	8.91	-1081.31	-1077.06	4.66	-67.92	10.59	-4.56	-4.01	10.04	-2.83
		1063	6194.18	-0.52	-1084.87	-1081.33	-4.06	-61.82	6.14	-19.81	-15.04	1.36	-10.05
682	9	1045	5372.01	-1.16	-974.59	-970.71	-5.05	-61.35	-4.70	-26.25	-16.33	-14.63	-10.74
		1046	4418.18	9.04	-970.85	-966.12	4.31	-67.91	-2.51	-12.01	-7.05	-7.47	-4.74
		1064	4892.64	8.89	-1003.65	-999.08	4.31	-67.91	7.41	-5.57	-4.54	6.37	-3.51
		1063	5661.09	-1.29	-1007.42	-1003.67	-5.05	-61.35	4.23	-18.83	-13.81	-0.78	-9.51
682	10	1045	5412.12	-0.48	-980.17	-976.88	-3.77	-56.67	-5.08	-26.55	-16.78	-14.85	-10.69
		1046	4391.90	8.21	-976.90	-972.95	4.26	-62.29	-2.67	-10.85	-6.68	-6.85	-4.09
		1064	4891.78	8.14	-994.99	-991.10	4.26	-62.29	9.29	-4.30	-3.78	8.77	-2.60
		1063	5678.60	-0.54	-998.27	-995.04	-3.77	-56.67	5.20	-18.33	-13.89	0.76	-9.21
682	11	1045	5349.25	-3.08	-969.65	-966.02	-6.71	-59.14	-4.58	-26.13	-16.29	-14.42	-10.74
		1046	4396.92	7.87	-965.61	-961.08	3.35	-66.19	-2.35	-11.82	-6.98	-7.19	-4.74
		1064	4880.30	7.72	-999.53	-995.16	3.35	-66.19	7.62	-5.47	-4.49	6.64	-3.45
		1063	5643.06	-3.21	-1003.60	-1000.09	-6.71	-59.14	4.33	-18.72	-13.80	-0.59	-9.45
683	1	1044	8877.87	46.51	-1677.18	-1672.27	41.59	-91.95	-3.22	-33.55	-22.67	-14.09	-14.55
		1045	8148.76	75.76	-1666.09	-1659.00	68.67	-110.91	-1.36	-21.70	-14.69	-8.37	-9.66
		1063	8663.11	75.57	-1714.65	-1707.75	68.67	-110.91	6.92	-16.85	-12.95	3.02	-8.80
		1062	9314.17	46.38	-1725.80	-1721.02	41.59	-91.95	4.63	-28.26	-20.93	-2.70	-13.69
683	2	1044	8929.13	50.10	-1685.20	-1680.72	45.61	-88.12	-5.49	-36.31	-23.98	-17.83	-15.10
		1045	8052.73	77.23	-1674.77	-1668.36	70.82	-105.77	-2.99	-21.89	-14.45	-10.43	-9.23
		1063	8573.34	77.09	-1712.58	-1706.31	70.82	-105.77	6.77	-15.36	-12.23	3.63	-7.71
		1062	9327.24	50.00	-1723.05	-1718.66	45.61	-88.12	3.53	-29.05	-21.76	-3.76	-13.58
683	3	1044	8957.20	47.55	-1681.04	-1676.63	43.13	-87.25	-3.97	-35.00	-23.69	-15.29	-14.93
		1045	8061.57	72.70	-1671.34	-1665.16	66.53	-103.63	-1.48	-19.96	-13.82	-7.62	-8.71
		1063	8580.92	72.64	-1690.39	-1684.28	66.53	-103.63	10.10	-13.71	-11.26	7.65	-7.24
		1062	9340.83	47.50	-1700.11	-1695.74	43.13	-87.25	6.54	-27.67	-21.12	-0.01	-13.46
683	4	1044	8894.05	43.28	-1668.92	-1665.19	39.55	-79.86	-3.84	-34.90	-23.64	-15.10	-14.93
		1045	7997.80	68.69	-1658.96	-1653.55	63.29	-96.48	-1.32	-19.80	-13.73	-7.39	-8.68
		1063	8526.12	68.63	-1678.76	-1673.42	63.29	-96.48	10.35	-13.57	-11.16	7.95	-7.19
		1062	9284.01	43.24	-1688.75	-1685.05	39.55	-79.86	6.73	-27.57	-21.08	0.23	-13.44
683	5	1044	1.062e+04	59.42	-1959.91	-1958.54	58.06	-52.41	-11.96	-50.55	-33.43	-29.08	-19.17
		1045	8845.88	88.32	-1947.50	-1944.96	85.78	-71.82	-6.45	-19.28	-13.63	-12.10	-6.37
		1063	9867.95	88.34	-1925.98	-1923.42	85.78	-71.82	21.23	-7.85	-7.69	21.06	-2.18
		1062	1.109e+04	59.43	-1938.38	-1937.00	58.06	-52.41	10.07	-33.47	-27.49	4.09	-14.98
683	6	1044	8845.42	43.10	-1671.61	-1667.09	38.58	-87.89	-2.98	-33.26	-22.56	-13.69	-14.48
		1045	8131.46	72.80	-1660.24	-1653.58	66.15	-107.19	-1.09	-21.55	-14.67	-7.97	-9.66
		1063	8640.74	72.62	-1709.39	-1702.92	66.15	-107.19	7.01	-16.80	-12.98	3.18	-8.75
		1062	9277.48	42.97	-1720.82	-1716.43	38.58	-87.89	4.67	-28.07	-20.86	-2.54	-13.56
683	7	1044	8770.68	45.64	-1649.34	-1644.81	41.11	-87.45	-4.11	-34.51	-23.17	-15.46	-14.70
		1045	7915.68	72.25	-1639.14	-1632.71	65.81	-104.74	-1.77	-20.38	-13.81	-8.33	-8.89
		1063	8440.07	72.13	-1670.20	-1663.88	65.81	-104.74	8.62	-14.38	-11.55	5.78	-7.56
		1062	9175.28	45.55	-1680.43	-1675.99	41.11	-87.45	5.44	-27.69	-20.90	-1.34	-13.37
683	8	1044	6904.77	36.42	-1294.80	-1291.37	32.99	-67.51	-2.94	-26.90	-18.24	-11.61	-11.51
		1045	6212.04	55.87	-1287.31	-1282.51	51.07	-80.17	-1.02	-15.28	-10.60	-5.70	-6.69
		1063	6619.80	55.82	-1302.34	-1297.59	51.07	-80.17	8.02	-10.49	-8.62	6.15	-5.58
		1062	7207.39	36.38	-1309.84	-1306.45	32.99	-67.51	5.27	-21.27	-16.25	0.24	-10.40
683	9	1044	6290.82	33.24	-1188.12	-1184.74	29.85	-64.19	-2.53	-24.05	-16.21	-10.37	-10.35
		1045	5753.90	53.37	-1180.45	-1175.59	48.51	-77.25	-1.12	-15.25	-10.33	-6.05	-6.73
		1063	6111.25	53.25	-1210.78	-1206.04	48.51	-77.25	5.04	-11.58	-9.00	2.46	-6.02
		1062	6586.36	33.15	-1218.48	-1215.18	29.85	-64.19	3.26	-20.00	-14.88	-1.86	-9.64
683	10	1044	6335.07	33.81	-1190.27	-1187.16	30.71	-61.58	-2.95	-24.85	-16.78	-11.03	-10.57
		1045	5705.56	51.68	-1183.38	-1179.02	47.32	-73.21	-1.19	-14.29	-9.85	-5.63	-6.20
		1063	6066.03	51.63	-1197.30	-1192.99	47.32	-73.21	6.82	-9.84	-8.06	5.04	-5.15
		1062	6601.00	33.78	-1204.21	-1201.14	30.71	-61.58	4.32	-19.68	-14.99	-0.36	-9.51
683	11	1044	6272.72	31.34	-1185.02	-1181.86	28.18	-61.93	-2.41	-23.89	-16.15	-10.14	-10.31
		1045	5744.31	51.73	-1177.20	-1172.59	47.11	-75.19	-0.98	-15.17	-10.32	-5.82	-6.73
		1063	6098.94	51.62	-1207.86	-1203.35	47.11	-75.19	5.09	-11.56	-9.02	2.55	-5.99
		1062	6566.02	31.26	-1215.71	-1212.63	28.18	-61.93	3.28	-19.90	-14.85	-1.77	-9.57
684	1	1043	9485.19	79.92	-1825.43	-1821.51	76.00	-86.34	0.45	-28.40	-20.73	-7.22	-12.75
		1044	9243.96	94.00	-1819.83	-1815.04	89.22	-95.59	1.06	-24.78	-17.92	-5.80	-11.41
		1062	9531.12	93.91	-1856.04	-1851.35	89.22	-95.59	3.58	-23.91	-17.87	-2.45	-11.38
		1061	9766.67	79.85	-1861.67	-1857.82	76.00	-86.34	2.97	-27.52	-20.67	-3.87	-12.72
684	2	1043	9497.99	84.03	-1831.56	-1827.81	80.28	-84.71	-2.34	-31.24	-22.11	-11.46	-13.44
		1044	9120.51	95.75	-1826.86	-1822.41	91.30	-92.43	-1.08	-25.06	-17.72	-8.42	-11.05
		1062	9413.83	95.70	-1850.33	-1845.93	91.30	-92.43	3.23	-22.49	-17.12	-2.14	-10.46
		1061	9770.47	83.98	-1855.04	-1851.33	80.28	-84.71	1.87	-28.56	-21.51	-5.18	-12.84
684	3	1043	9542.71	81.10	-1823.11	-1819.26	77.25	-85.46	-0.45	-30.46	-21.85	-9.05	-13.57

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		1044	9127.05	91.20	-1819.06	-1814.61	86.75	-92.10	1.00	-23.38	-16.94	-5.43	-10.75
		1062	9393.39	91.18	-1825.22	-1820.78	86.75	-92.10	6.55	-20.43	-16.00	2.13	-10.00
		1061	9779.94	81.08	-1829.26	-1825.43	77.25	-85.46	4.88	-27.28	-20.91	-1.49	-12.82
684	4	1043	9488.99	77.39	-1813.07	-1809.85	74.18	-77.92	-0.29	-30.35	-21.80	-8.85	-13.56
		1044	9075.28	87.72	-1808.86	-1805.07	83.93	-84.75	1.18	-23.26	-16.88	-5.21	-10.74
		1062	9347.38	87.71	-1816.18	-1812.40	83.93	-84.75	6.73	-20.33	-15.95	2.35	-9.97
		1061	9731.55	77.38	-1820.38	-1817.18	74.18	-77.92	5.03	-27.18	-20.86	-1.29	-12.79
684	5	1043	1.173e+04	157.39	-2186.66	-2182.38	153.11	-100.06	-8.44	-47.86	-32.12	-24.19	-19.31
		1044	1.045e+04	109.22	-2206.86	-2204.87	107.23	-67.94	-4.58	-24.82	-18.08	-11.32	-9.54
		1062	1.067e+04	109.34	-2074.55	-2072.43	107.23	-67.94	16.27	-14.04	-12.67	14.90	-6.30
		1061	1.168e+04	157.65	-2054.48	-2049.95	153.11	-100.06	9.22	-33.89	-26.71	2.03	-16.07
684	6	1043	9461.23	77.13	-1821.75	-1818.17	73.56	-82.30	0.64	-28.18	-20.63	-6.91	-12.67
		1044	9233.63	91.17	-1816.11	-1811.70	86.76	-91.54	1.24	-24.73	-17.96	-5.53	-11.40
		1062	9510.56	91.09	-1852.23	-1847.91	86.76	-91.54	3.55	-23.93	-17.94	-2.44	-11.34
		1061	9733.01	77.06	-1857.89	-1854.38	73.56	-82.30	2.94	-27.36	-20.61	-3.81	-12.61
684	7	1043	9345.71	78.72	-1791.51	-1787.75	74.96	-83.81	-0.69	-29.74	-21.33	-9.11	-13.18
		1044	8970.48	90.45	-1786.82	-1782.35	85.98	-91.52	0.55	-23.55	-16.92	-6.07	-10.76
		1062	9261.24	90.41	-1805.68	-1801.25	85.98	-91.52	5.21	-21.12	-16.28	0.37	-10.20
		1061	9614.88	78.68	-1810.38	-1806.65	74.96	-83.81	3.83	-27.18	-20.68	-2.66	-12.62
684	8	1043	7358.33	62.13	-1404.31	-1401.33	59.15	-66.09	-0.19	-23.42	-16.82	-6.78	-10.47
		1044	7034.34	70.05	-1401.15	-1397.68	66.59	-71.30	0.94	-17.91	-12.99	-3.97	-8.27
		1062	7247.42	70.04	-1406.64	-1403.19	66.59	-71.30	5.31	-15.63	-12.26	1.94	-7.70
		1061	7548.47	62.12	-1409.81	-1406.84	59.15	-66.09	4.00	-20.96	-16.09	-0.87	-9.90
684	9	1043	6714.60	57.07	-1292.24	-1289.50	54.33	-60.71	-2.19e-03	-20.45	-14.85	-5.61	-9.12
		1044	6523.85	66.40	-1288.51	-1285.20	63.09	-66.85	0.54	-17.48	-12.62	-4.32	-8.00
		1062	6717.49	66.35	-1309.62	-1306.36	63.09	-66.85	2.63	-16.58	-12.48	-1.47	-7.87
		1061	6902.32	57.02	-1313.35	-1310.66	54.33	-60.71	2.08	-19.53	-14.70	-2.75	-9.00
684	10	1043	6746.94	57.72	-1290.94	-1288.25	55.02	-60.22	-0.50	-21.60	-15.47	-6.62	-9.58
		1044	6458.92	64.85	-1288.09	-1284.97	61.72	-64.91	0.51	-16.70	-12.08	-4.12	-7.63
		1062	6641.00	64.84	-1292.49	-1289.38	61.72	-64.91	4.29	-14.65	-11.44	1.07	-7.11
		1061	6909.46	57.71	-1295.35	-1292.67	55.02	-60.22	3.13	-19.40	-14.83	-1.43	-9.06
684	11	1043	6701.18	55.51	-1290.19	-1287.65	52.97	-58.47	0.10	-20.33	-14.80	-5.43	-9.08
		1044	6518.12	64.83	-1286.45	-1283.35	61.73	-64.60	0.64	-17.45	-12.64	-4.18	-7.99
		1062	6706.12	64.78	-1307.50	-1304.46	61.73	-64.60	2.62	-16.59	-12.51	-1.46	-7.86
		1061	6883.61	55.47	-1311.26	-1308.75	52.97	-58.47	2.06	-19.45	-14.67	-2.72	-8.94
685	1	1042	9402.57	104.47	-1825.19	-1822.10	101.38	-77.16	4.38	-21.92	-17.26	-0.28	-10.04
		1043	9571.20	98.61	-1827.62	-1824.83	95.82	-73.26	3.45	-26.03	-19.60	-2.98	-12.17
		1061	9613.84	98.58	-1847.24	-1844.48	95.82	-73.26	0.19	-28.90	-21.16	-7.55	-12.85
		1060	9432.18	104.44	-1844.81	-1841.75	101.38	-77.16	0.96	-24.63	-18.82	-4.86	-10.72
685	2	1042	9376.14	108.66	-1829.51	-1826.36	105.51	-78.10	1.19	-24.57	-18.64	-4.74	-10.84
		1043	9430.48	100.50	-1832.89	-1830.16	97.76	-72.67	1.02	-26.38	-19.42	-5.94	-11.93
		1061	9485.28	100.49	-1838.62	-1835.89	97.76	-72.67	-0.16	-27.70	-20.40	-7.47	-12.16
		1060	9428.91	108.65	-1835.24	-1832.10	105.51	-78.10	-0.02	-25.88	-19.62	-6.28	-11.07
685	3	1042	9418.49	105.62	-1816.99	-1813.66	102.29	-79.94	3.21	-24.25	-18.41	-2.63	-11.24
		1043	9430.15	96.21	-1820.86	-1818.03	93.37	-73.70	3.38	-24.97	-18.58	-3.01	-11.85
		1061	9436.59	96.22	-1811.88	-1809.03	93.37	-73.70	2.88	-25.48	-19.24	-3.36	-11.75
		1060	9424.85	105.64	-1808.01	-1804.66	102.29	-79.94	2.71	-24.76	-19.08	-2.97	-11.13
685	4	1042	9372.92	103.13	-1808.19	-1805.47	100.41	-72.09	3.37	-24.15	-18.36	-2.43	-11.22
		1043	9385.60	93.74	-1812.13	-1809.85	91.47	-65.82	3.55	-24.89	-18.53	-2.81	-11.85
		1061	9397.70	93.75	-1804.89	-1802.61	91.47	-65.82	3.00	-25.40	-19.21	-3.19	-11.73
		1060	9384.96	103.14	-1800.96	-1798.22	100.41	-72.09	2.83	-24.67	-19.04	-2.81	-11.10
685	5	1042	1.135e+04	148.49	-2153.93	-2146.90	141.46	-127.08	-3.40	-40.75	-26.91	-17.25	-18.04
		1043	1.076e+04	126.17	-2162.65	-2157.11	120.62	-112.50	-0.20	-29.09	-19.82	-9.48	-13.49
		1061	1.056e+04	126.53	-2021.20	-2015.30	120.62	-112.50	9.52	-21.26	-17.21	5.48	-10.40
		1060	1.106e+04	148.95	-2012.58	-2005.09	141.46	-127.08	5.27	-31.87	-24.30	-2.30	-14.96
685	6	1042	9384.94	102.70	-1822.42	-1819.63	99.91	-73.27	4.49	-21.79	-17.21	-0.10	-9.97
		1043	9561.02	96.46	-1825.02	-1822.53	93.97	-69.12	3.54	-26.02	-19.64	-2.83	-12.16
		1061	9596.25	96.44	-1844.66	-1842.19	93.97	-69.12	0.13	-28.92	-21.21	-7.58	-12.82
		1060	9406.49	102.67	-1842.05	-1839.28	99.91	-73.27	0.91	-24.53	-18.77	-4.85	-10.64
685	7	1042	9234.66	103.06	-1788.19	-1785.08	99.95	-76.67	2.94	-23.44	-17.94	-2.57	-10.72
		1043	9277.68	95.37	-1791.37	-1788.65	92.66	-71.57	2.86	-24.94	-18.55	-3.54	-11.70
		1061	9321.58	95.37	-1794.74	-1792.03	92.66	-71.57	1.74	-26.06	-19.48	-4.84	-11.82
		1060	9277.19	103.06	-1791.56	-1788.45	99.95	-76.67	1.81	-24.55	-18.86	-3.87	-10.84
685	8	1042	7264.13	80.95	-1399.67	-1397.09	78.37	-61.72	2.65	-18.65	-14.17	-1.83	-8.68
		1043	7269.05	73.85	-1402.59	-1400.38	71.64	-57.02	2.80	-19.13	-14.25	-2.08	-9.13
		1061	7280.56	73.86	-1396.67	-1394.46	71.64	-57.02	2.47	-19.49	-14.76	-2.27	-9.03
		1060	7275.65	80.96	-1393.75	-1391.16	78.37	-61.72	2.32	-19.02	-14.68	-2.01	-8.58
685	9	1042	6648.63	74.54	-1291.28	-1289.08	72.34	-54.78	2.71	-15.87	-12.40	-0.77	-7.25
		1043	6751.21	69.79	-1293.24	-1291.29	67.83	-51.63	2.19	-18.41	-13.81	-2.41	-8.58
		1061	6771.66	69.78	-1302.52	-1300.58	67.83	-51.63	0.21	-20.16	-14.80	-5.15	-8.97
		1060	6662.25	74.53	-1300.55	-1298.37	72.34	-54.78	0.65	-17.54	-13.38	-3.51	-7.64
685	10	1042	6658.14	75.18	-1286.72	-1284.39	72.85	-56.33	2.07	-17.18	-13.04	-2.07	-7.91

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1043	6672.88	68.46	-1289.49	-1287.51	66.48	-51.87	2.15	-17.82	-13.24	-2.43	-8.40
		1061	6672.96	68.47	-1282.88	-1280.89	66.48	-51.87	1.70	-18.26	-13.74	-2.82	-8.35
		1060	6658.02	75.19	-1280.11	-1277.76	72.85	-56.33	1.62	-17.61	-13.53	-2.46	-7.86
685	11	1042	6638.72	73.56	-1289.74	-1287.70	71.52	-52.62	2.77	-15.80	-12.37	-0.66	-7.21
		1043	6745.55	68.60	-1291.80	-1290.01	66.81	-49.32	2.24	-18.40	-13.83	-2.33	-8.57
		1061	6761.90	68.59	-1301.09	-1299.31	66.81	-49.32	0.18	-20.17	-14.83	-5.16	-8.95
		1060	6647.94	73.54	-1299.02	-1297.00	71.52	-52.62	0.62	-17.48	-13.36	-3.50	-7.59
686	1	1041	8642.53	122.28	-1680.62	-1678.34	120.01	-63.98	8.89	-14.04	-12.14	6.98	-6.33
		1042	9165.49	97.36	-1691.30	-1690.05	96.11	-47.25	5.64	-25.53	-19.87	-0.01	-12.01
		1060	8967.97	97.36	-1694.79	-1693.54	96.11	-47.25	-3.45	-32.31	-22.99	-12.77	-13.49
		1059	8338.91	122.28	-1684.10	-1681.83	120.01	-63.98	-1.38	-19.65	-15.26	-5.77	-7.80
686	2	1041	8573.05	125.90	-1683.44	-1680.90	123.36	-67.71	5.40	-16.17	-13.41	2.64	-7.21
		1042	9019.96	98.85	-1694.96	-1693.58	97.48	-49.59	3.13	-25.93	-19.72	-3.08	-11.91
		1060	8841.80	98.86	-1683.77	-1682.39	97.48	-49.59	-3.69	-31.48	-22.27	-12.90	-13.08
		1059	8325.65	125.91	-1672.26	-1669.71	123.36	-67.71	-2.12	-21.03	-15.96	-7.18	-8.38
686	3	1041	8596.48	123.10	-1667.03	-1664.28	120.34	-70.13	7.23	-16.23	-13.25	4.26	-7.81
		1042	9005.11	95.17	-1678.84	-1677.34	93.68	-51.46	5.49	-24.83	-18.87	-0.47	-12.05
		1060	8765.56	95.19	-1657.29	-1655.77	93.68	-51.46	-1.17	-29.25	-21.17	-9.25	-12.72
		1059	8305.75	123.13	-1645.49	-1642.71	120.34	-70.13	0.07	-20.15	-15.54	-4.53	-8.48
686	4	1041	8561.09	122.93	-1658.92	-1656.74	120.75	-62.22	7.38	-16.14	-13.20	4.44	-7.79
		1042	8966.36	94.41	-1671.22	-1670.17	93.36	-43.04	5.64	-24.75	-18.83	-0.29	-12.04
		1060	8734.64	94.42	-1652.48	-1651.42	93.36	-43.04	-1.08	-29.18	-21.14	-9.12	-12.70
		1059	8277.83	122.95	-1640.20	-1638.00	120.75	-62.22	0.16	-20.06	-15.51	-4.39	-8.44
686	5	1041	9816.41	156.55	-1889.75	-1882.59	149.38	-120.90	1.37	-28.65	-19.28	-8.00	-13.91
		1042	9894.13	115.69	-1905.66	-1901.25	111.29	-94.24	2.60	-29.68	-19.85	-7.23	-14.86
		1060	9612.21	115.88	-1823.48	-1818.89	111.29	-94.24	2.23	-28.27	-20.29	-5.75	-13.41
		1059	9534.42	156.85	-1807.69	-1800.22	149.38	-120.90	0.98	-27.22	-19.72	-6.52	-12.46
686	6	1041	8631.01	122.39	-1678.09	-1676.06	120.35	-60.49	8.93	-13.99	-12.11	7.06	-6.28
		1042	9154.41	96.54	-1689.28	-1688.24	95.50	-43.09	5.67	-25.52	-19.90	0.05	-11.99
		1060	8954.93	96.54	-1693.47	-1692.43	95.50	-43.09	-3.51	-32.31	-23.02	-12.79	-13.46
		1059	8324.29	122.38	-1682.29	-1680.26	120.35	-60.49	-1.43	-19.59	-15.24	-5.78	-7.75
686	7	1041	8448.22	120.48	-1643.63	-1641.19	118.03	-65.63	7.04	-15.48	-12.86	4.42	-7.22
		1042	8871.46	94.32	-1654.78	-1653.45	93.00	-48.10	4.96	-24.63	-18.84	-0.83	-11.74
		1060	8674.71	94.33	-1643.89	-1642.56	93.00	-48.10	-2.04	-29.63	-21.33	-10.34	-12.65
		1059	8189.52	120.49	-1632.75	-1630.29	118.03	-65.63	-0.60	-19.85	-15.36	-5.09	-8.14
686	8	1041	6631.27	94.42	-1284.15	-1282.03	92.30	-54.00	5.75	-12.48	-10.20	3.46	-6.04
		1042	6942.18	73.03	-1293.19	-1292.04	71.88	-39.71	4.44	-19.03	-14.47	-0.11	-9.28
		1060	6761.56	73.04	-1277.74	-1276.57	71.88	-39.71	-0.69	-22.37	-16.24	-6.82	-9.77
		1059	6412.39	94.44	-1268.70	-1266.56	92.30	-54.00	0.24	-15.45	-11.97	-3.24	-6.52
686	9	1041	6101.72	87.10	-1188.28	-1186.61	85.44	-46.04	5.83	-10.24	-8.76	4.35	-4.65
		1042	6461.07	68.96	-1196.04	-1195.14	68.05	-33.87	3.72	-18.09	-14.01	-0.36	-8.50
		1060	6313.68	68.96	-1194.16	-1193.25	68.05	-33.87	-2.37	-22.64	-16.10	-8.91	-9.48
		1059	5886.05	87.11	-1186.39	-1184.73	85.44	-46.04	-1.00	-14.06	-10.86	-4.20	-5.62
686	10	1041	6077.11	87.56	-1180.73	-1178.80	85.62	-49.46	4.93	-11.47	-9.38	2.83	-5.47
		1042	6372.10	67.74	-1189.12	-1188.07	66.70	-36.21	3.64	-17.70	-13.45	-0.62	-8.52
		1060	6200.90	67.75	-1173.32	-1172.26	66.70	-36.21	-1.11	-20.94	-15.09	-6.96	-9.05
		1059	5867.68	87.58	-1164.95	-1162.99	85.62	-49.46	-0.19	-14.34	-11.02	-3.51	-6.00
686	11	1041	6095.18	87.16	-1186.87	-1185.34	85.63	-44.10	5.85	-10.21	-8.75	4.39	-4.62
		1042	6454.88	68.50	-1194.91	-1194.13	67.71	-31.56	3.73	-18.08	-14.02	-0.33	-8.49
		1060	6306.42	68.50	-1193.42	-1192.63	67.71	-31.56	-2.40	-22.64	-16.12	-8.92	-9.46
		1059	5877.85	87.16	-1185.38	-1183.85	85.63	-44.10	-1.02	-14.03	-10.85	-4.21	-5.59
687	1	1040	7261.59	118.55	-1401.24	-1400.30	117.60	-37.86	14.69	-5.60	-5.45	14.55	-1.70
		1041	8045.62	89.77	-1414.26	-1414.04	89.55	-18.23	7.62	-23.36	-18.78	3.04	-10.99
		1059	7644.51	89.77	-1403.59	-1403.36	89.55	-18.23	-7.06	-34.40	-23.42	-18.04	-13.41
		1058	6518.94	118.55	-1390.57	-1389.62	117.60	-37.86	-3.83	-12.79	-10.09	-6.53	-4.11
687	2	1040	7138.83	120.13	-1402.65	-1401.36	118.84	-44.30	11.10	-6.86	-6.48	10.72	-2.59
		1041	7908.43	89.86	-1416.12	-1415.74	89.48	-23.75	5.25	-23.82	-18.70	0.13	-11.07
		1059	7536.48	89.87	-1390.31	-1389.92	89.48	-23.75	-7.11	-34.16	-22.82	-18.45	-13.34
		1058	6482.26	120.16	-1376.85	-1375.54	118.84	-44.30	-4.18	-14.28	-10.61	-7.86	-4.86
687	3	1040	7124.77	118.20	-1383.09	-1381.64	116.75	-46.59	12.19	-7.07	-6.46	11.58	-3.37
		1041	7871.13	87.57	-1396.61	-1396.16	87.12	-25.85	7.31	-23.01	-17.87	2.17	-11.37
		1059	7437.72	87.58	-1366.95	-1366.49	87.12	-25.85	-5.26	-32.01	-21.80	-15.47	-13.00
		1058	6453.41	118.22	-1353.45	-1351.97	116.75	-46.59	-2.78	-13.67	-10.40	-6.06	-4.99
687	4	1040	7111.97	123.08	-1375.64	-1374.58	122.02	-39.90	12.39	-6.98	-6.39	11.80	-3.32
		1041	7844.93	89.86	-1390.64	-1390.44	89.66	-17.24	7.45	-22.94	-17.84	2.35	-11.36
		1059	7419.92	89.86	-1365.16	-1364.95	89.66	-17.24	-5.22	-31.98	-21.81	-15.39	-12.99
		1058	6445.10	123.10	-1350.18	-1349.10	122.02	-39.90	-2.72	-13.57	-10.36	-5.93	-4.95
687	5	1040	7698.29	130.11	-1524.52	-1519.58	125.18	-90.21	6.42	-14.27	-10.10	2.25	-8.30
		1041	8465.57	101.54	-1535.82	-1532.70	98.42	-71.47	4.80	-28.10	-18.94	-4.37	-14.75
		1059	8067.43	101.66	-1475.12	-1471.87	98.42	-71.47	-3.80	-34.72	-22.03	-16.49	-15.21
		1058	7197.12	130.30	-1463.88	-1458.76	125.18	-90.21	-2.61	-20.45	-13.20	-9.87	-8.76
687	6	1040	7260.97	121.95	-1398.77	-1397.96	121.14	-35.15	14.72	-5.57	-5.43	14.59	-1.66

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1041	8038.89	91.41	-1412.73	-1412.59	91.28	-14.24	7.61	-23.36	-18.80	3.06	-10.97
		1059	7639.35	91.41	-1403.91	-1403.78	91.28	-14.24	-7.12	-34.41	-23.44	-18.08	-13.38
		1058	6517.66	121.96	-1389.96	-1389.14	121.14	-35.15	-3.88	-12.75	-10.07	-6.56	-4.07
687	7	1040	7035.73	115.94	-1367.30	-1366.13	114.77	-41.70	12.27	-6.61	-6.19	11.86	-2.77
		1041	7770.33	86.58	-1380.42	-1380.09	86.26	-21.74	6.86	-22.69	-17.84	2.01	-10.94
		1059	7373.71	86.59	-1358.14	-1357.81	86.26	-21.74	-5.84	-32.13	-21.90	-16.07	-12.82
		1058	6380.23	115.96	-1345.03	-1343.84	114.77	-41.70	-3.18	-13.29	-10.25	-6.22	-4.64
687	8	1040	5497.06	90.84	-1065.34	-1064.24	89.74	-35.70	9.55	-5.44	-4.97	9.08	-2.62
		1041	6068.54	67.29	-1075.74	-1075.40	66.95	-19.74	5.83	-17.64	-13.71	1.90	-8.76
		1059	5735.09	67.29	-1054.16	-1053.82	66.95	-19.74	-3.91	-24.49	-16.74	-11.65	-9.97
		1058	4983.24	90.86	-1043.77	-1042.65	89.74	-35.70	-2.03	-10.45	-8.01	-4.48	-3.82
687	9	1040	5112.53	84.08	-990.03	-989.30	83.34	-28.07	9.86	-4.15	-4.01	9.71	-1.40
		1041	5666.74	63.44	-999.33	-999.14	63.25	-14.01	5.11	-16.58	-13.24	1.77	-7.82
		1059	5379.88	63.44	-987.97	-987.79	63.25	-14.01	-4.91	-24.23	-16.42	-12.72	-9.48
		1058	4595.17	84.08	-978.68	-977.94	83.34	-28.07	-2.70	-9.27	-7.19	-4.77	-3.05
687	10	1040	5037.80	83.89	-979.95	-978.93	82.87	-32.92	8.48	-4.99	-4.57	8.07	-2.33
		1041	5570.12	62.22	-989.52	-989.21	61.90	-18.24	4.94	-16.39	-12.73	1.29	-8.04
		1059	5264.80	62.23	-967.62	-967.30	61.90	-18.24	-3.92	-22.90	-15.53	-11.28	-9.25
		1058	4559.20	83.91	-958.07	-957.03	82.87	-32.92	-2.12	-9.76	-7.37	-4.51	-3.54
687	11	1040	5111.99	85.97	-988.66	-988.00	85.31	-26.56	9.87	-4.14	-4.00	9.74	-1.37
		1041	5662.90	64.34	-998.47	-998.34	64.21	-11.79	5.11	-16.58	-13.25	1.78	-7.81
		1059	5376.95	64.34	-988.15	-988.02	64.21	-11.79	-4.95	-24.23	-16.44	-12.74	-9.46
		1058	4594.32	85.97	-978.34	-977.68	85.31	-26.56	-2.73	-9.24	-7.19	-4.79	-3.03
688	1	1039	5381.66	82.40	-987.18	-986.97	82.19	15.10	21.52	1.31	1.85	20.99	3.25
		1040	6098.99	66.19	-995.81	-995.14	65.51	26.77	8.90	-19.24	-15.97	5.63	-9.02
		1058	5670.87	66.19	-982.63	-981.95	65.51	26.77	-9.43	-34.10	-21.87	-21.66	-12.33
		1057	4154.24	82.40	-973.99	-973.78	82.19	15.10	-4.05	-6.30	-4.05	-6.30	-0.07
688	2	1039	5195.42	80.43	-985.53	-985.50	80.39	6.45	18.58	0.92	1.28	18.22	2.50
		1040	5982.21	63.44	-994.28	-993.96	63.12	18.54	6.96	-19.77	-16.00	3.19	-9.31
		1058	5610.79	63.45	-967.22	-966.89	63.12	18.54	-9.34	-34.77	-21.55	-22.55	-12.71
		1057	4059.28	80.43	-958.46	-958.42	80.39	6.45	-4.04	-7.76	-4.27	-7.53	-0.90
688	3	1039	5133.19	84.82	-964.41	-964.40	84.82	2.87	18.35	0.94	1.09	18.20	1.61
		1040	5927.31	64.63	-974.72	-974.43	64.34	17.20	8.42	-19.23	-15.27	4.45	-9.69
		1058	5510.33	64.63	-952.19	-951.90	64.34	17.20	-8.16	-32.92	-20.69	-20.39	-12.38
		1057	4045.00	84.82	-941.87	-941.86	84.82	2.87	-3.91	-7.06	-4.33	-6.64	-1.07
688	4	1039	5169.13	95.65	-959.90	-959.88	95.62	5.16	18.73	1.03	1.20	18.56	1.73
		1040	5934.26	70.52	-972.94	-972.42	70.01	23.08	8.56	-19.20	-15.29	4.65	-9.66
		1058	5512.43	70.53	-953.37	-952.85	70.01	23.08	-8.14	-32.99	-20.75	-20.39	-12.42
		1057	4057.77	95.65	-940.33	-940.30	95.62	5.16	-3.85	-6.89	-4.26	-6.48	-1.03
688	5	1039	5072.27	76.85	-1031.49	-1030.77	76.13	-28.19	12.43	-0.55	-0.26	12.14	-1.93
		1040	6235.83	61.54	-1038.35	-1038.06	61.25	-17.77	6.31	-24.13	-16.43	-1.38	-13.23
		1058	6015.62	61.55	-1001.40	-1001.10	61.25	-17.77	-7.56	-39.16	-21.80	-24.92	-15.72
		1057	4342.60	76.87	-994.55	-993.81	76.13	-28.19	-3.23	-13.80	-5.63	-11.41	-4.42
688	6	1039	5437.39	99.44	-983.19	-983.06	99.32	11.47	21.95	1.41	2.00	21.37	3.42
		1040	6126.78	73.09	-997.21	-996.34	72.22	30.44	8.93	-19.30	-16.08	5.70	-8.98
		1058	5696.63	73.09	-986.87	-986.00	72.22	30.44	-9.53	-34.42	-22.02	-21.93	-12.44
		1057	4172.34	99.44	-972.84	-972.72	99.32	11.47	-3.95	-6.26	-3.95	-6.26	-0.04
688	7	1039	5112.83	79.24	-958.84	-958.76	79.16	9.03	18.70	0.93	1.18	18.44	2.13
		1040	5864.84	62.78	-967.41	-966.99	62.36	20.79	8.11	-18.84	-15.21	4.48	-9.20
		1058	5460.13	62.79	-947.19	-946.76	62.36	20.79	-8.47	-32.58	-20.65	-20.40	-12.06
		1057	4020.59	79.24	-938.61	-938.53	79.16	9.03	-4.03	-6.66	-4.25	-6.44	-0.73
688	8	1039	3963.12	65.83	-742.71	-742.70	65.82	2.44	14.24	0.73	0.84	14.13	1.23
		1040	4571.10	50.02	-750.79	-750.56	49.78	13.67	6.65	-14.75	-11.71	3.61	-7.47
		1058	4246.83	50.02	-734.90	-734.66	49.78	13.67	-6.22	-25.20	-15.90	-15.52	-9.49
		1057	3127.44	65.83	-726.81	-726.81	65.82	2.44	-3.02	-5.31	-3.34	-5.00	-0.79
688	9	1039	3766.36	57.87	-696.46	-696.36	57.76	9.01	14.68	0.87	1.20	14.35	2.10
		1040	4288.73	46.30	-702.57	-702.17	45.90	17.31	6.03	-13.68	-11.27	3.62	-6.47
		1058	3991.39	46.31	-690.36	-689.96	45.90	17.31	-6.58	-24.15	-15.37	-15.37	-8.78
		1057	2914.50	57.87	-684.26	-684.15	57.76	9.01	-2.88	-4.66	-2.90	-4.63	-0.22
688	10	1039	3629.53	59.23	-683.83	-683.82	59.22	2.22	12.92	0.66	0.78	12.80	1.19
		1040	4194.04	45.45	-690.86	-690.66	45.25	12.00	5.77	-13.69	-10.87	2.96	-6.84
		1058	3902.46	45.45	-673.46	-673.26	45.25	12.00	-5.88	-23.50	-14.71	-14.67	-8.81
		1057	2854.89	59.23	-666.42	-666.42	59.22	2.22	-2.77	-5.12	-3.06	-4.83	-0.77
688	11	1039	3796.93	67.34	-694.25	-694.19	67.27	7.00	14.92	0.93	1.28	14.56	2.20
		1040	4303.90	50.13	-703.33	-702.84	49.63	19.35	6.05	-13.72	-11.32	3.66	-6.45
		1058	4005.61	50.13	-692.71	-692.21	49.63	19.35	-6.64	-24.33	-15.45	-15.52	-8.85
		1057	2924.44	67.34	-683.62	-683.56	67.27	7.00	-2.82	-4.64	-2.85	-4.62	-0.20
689	1	191	2875.15	-27.77	-483.04	-446.55	-64.26	123.62	18.66	2.98	4.82	16.83	5.04
		1039	2789.28	3.46	-441.28	-422.55	-15.27	89.33	6.71	-10.92	-8.99	4.78	-5.51
		1057	2714.35	3.86	-432.35	-413.21	-15.27	89.33	-7.04	-21.96	-14.55	-14.45	-7.46
		195	2131.29	-27.00	-474.47	-437.22	-64.26	123.62	1.64	-4.77	-0.74	-2.40	3.09
689	2	191	2676.13	-41.22	-475.02	-440.78	-75.46	116.96	17.46	3.27	4.99	15.73	4.64

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		1039	2694.14	-5.95	-429.50	-414.21	-21.25	79.01	5.63	-11.66	-9.19	3.16	-6.05
		1057	2735.30	-5.33	-413.53	-397.62	-21.25	79.01	-7.10	-23.83	-14.70	-16.22	-8.33
		195	1944.57	-39.87	-459.78	-424.19	-75.46	116.96	0.74	-4.91	-0.52	-3.65	2.36
689	3	191	2489.82	-44.26	-464.68	-431.78	-77.16	112.92	15.69	3.28	4.43	14.55	3.60
		1039	2640.83	-5.56	-416.07	-403.07	-18.57	71.90	6.30	-11.39	-8.59	3.50	-6.46
		1057	2648.61	-5.21	-405.53	-392.17	-18.57	71.90	-6.41	-22.29	-13.95	-14.75	-7.93
		195	1922.73	-43.39	-454.66	-420.89	-77.16	112.92	0.22	-4.85	-0.93	-3.70	2.13
689	4	191	2516.64	-47.00	-469.75	-437.30	-79.45	112.54	15.96	3.32	4.48	14.81	3.64
		1039	2678.24	-4.63	-417.93	-406.32	-16.24	68.29	6.47	-11.36	-8.61	3.72	-6.44
		1057	2647.83	-4.14	-401.73	-389.63	-16.24	68.29	-6.35	-22.20	-13.95	-14.60	-7.92
		195	1919.30	-45.67	-454.38	-420.60	-79.45	112.54	0.34	-4.72	-0.86	-3.52	2.15
689	5	191	2069.24	-99.51	-472.46	-438.93	-133.04	106.68	11.48	4.77	5.00	11.26	1.22
		1039	2719.74	-40.25	-402.27	-396.36	-46.16	45.86	5.40	-16.19	-9.57	-1.22	-9.95
		1057	3156.77	-39.95	-384.68	-378.47	-46.16	45.86	-6.29	-30.55	-15.45	-21.39	-11.76
		195	1970.39	-97.83	-456.25	-421.04	-133.04	106.68	-0.83	-8.96	-0.88	-8.92	-0.59
689	6	191	2847.98	-42.59	-491.65	-457.56	-76.69	118.94	18.59	2.97	4.77	16.79	4.99
		1039	2828.16	-1.18	-440.47	-427.11	-14.54	75.44	6.78	-10.95	-9.02	4.85	-5.51
		1057	2713.00	-0.55	-421.21	-407.21	-14.54	75.44	-7.01	-21.81	-14.52	-14.30	-7.40
		195	2104.09	-41.02	-473.33	-437.67	-76.69	118.94	1.67	-4.76	-0.73	-2.36	3.11
689	7	191	2600.23	-32.91	-462.54	-428.25	-67.20	116.43	16.48	3.08	4.50	15.06	4.12
		1039	2632.12	-0.38	-419.80	-403.50	-16.68	81.06	6.15	-10.99	-8.59	3.75	-5.95
		1057	2626.48	-0.07	-412.30	-395.69	-16.68	81.06	-6.55	-21.84	-13.93	-14.46	-7.64
		195	1972.84	-32.28	-455.37	-420.45	-67.20	116.43	0.69	-4.69	-0.85	-3.15	2.43
689	8	191	1922.38	-33.43	-358.21	-332.76	-58.88	87.28	12.09	2.51	3.38	11.22	2.75
		1039	2037.74	-3.58	-320.68	-310.61	-13.66	55.62	4.95	-8.72	-6.38	2.80	-4.97
		1057	2039.26	-3.36	-314.13	-303.83	-13.66	55.62	-4.91	-17.01	-10.71	-11.21	-6.04
		195	1494.86	-32.89	-351.98	-325.99	-58.88	87.28	0.19	-3.73	-0.75	-2.79	1.68
689	9	191	1982.46	-22.13	-339.33	-314.01	-47.45	85.97	12.84	2.17	3.40	11.60	3.41
		1039	1948.86	0.66	-309.14	-296.58	-11.90	61.08	4.58	-7.84	-6.36	3.09	-4.03
		1057	1912.20	1.00	-301.13	-288.23	-11.90	61.08	-4.94	-15.76	-10.26	-10.44	-5.41
		195	1466.45	-21.45	-331.66	-305.66	-47.45	85.97	0.93	-3.36	-0.51	-1.92	2.03
689	10	191	1768.56	-31.29	-329.13	-305.80	-54.62	80.02	11.19	2.33	3.18	10.34	2.61
		1039	1868.35	-4.34	-295.15	-285.76	-13.73	51.40	4.36	-8.11	-6.13	2.38	-4.56
		1057	1878.08	-4.03	-286.24	-276.54	-13.73	51.40	-4.58	-15.95	-9.93	-10.60	-5.68
		195	1352.33	-30.55	-320.65	-296.58	-54.62	80.02	0.17	-3.44	-0.61	-2.65	1.49
689	11	191	1967.57	-30.37	-344.11	-320.12	-54.36	83.37	12.80	2.16	3.37	11.58	3.38
		1039	1971.27	-1.91	-308.70	-299.12	-11.49	53.36	4.61	-7.85	-6.37	3.13	-4.03
		1057	1912.28	-1.44	-294.95	-284.90	-11.49	53.36	-4.92	-15.68	-10.25	-10.35	-5.38
		195	1451.94	-29.23	-331.03	-305.90	-54.36	83.37	0.95	-3.36	-0.50	-1.91	2.04
690	1	986	7977.41	64.25	-1573.85	-1572.14	62.53	-53.00	18.38	-5.52	-4.85	17.71	-3.95
		987	8970.69	3.74	-1601.07	-1600.99	3.65	-11.78	11.07	-26.21	-20.67	5.54	-13.26
		1005	7922.82	3.75	-1456.28	-1456.18	3.65	-11.78	-3.92	-36.65	-23.74	-16.83	-16.00
		1004	6541.99	64.41	-1429.21	-1427.33	62.53	-53.00	0.60	-13.17	-7.91	-4.66	-6.68
690	2	986	8037.30	64.91	-1583.98	-1582.39	63.32	-51.13	18.65	-5.52	-4.87	18.00	-3.92
		987	9026.83	5.70	-1610.73	-1610.66	5.63	-10.75	11.32	-26.18	-20.69	5.83	-13.25
		1005	7967.76	5.71	-1465.65	-1465.57	5.63	-10.75	-3.83	-36.57	-23.80	-16.61	-15.97
		1004	6592.78	65.06	-1439.04	-1437.30	63.32	-51.13	0.66	-13.07	-7.97	-4.44	-6.63
690	3	986	8160.89	66.26	-1616.97	-1615.51	64.80	-49.50	18.99	-5.05	-4.55	18.49	-3.43
		987	9214.62	6.56	-1644.12	-1644.08	6.51	-8.70	10.73	-27.24	-21.63	5.12	-13.48
		1005	8105.43	6.56	-1485.50	-1485.45	6.51	-8.70	-5.19	-38.98	-24.98	-19.19	-16.64
		1004	6600.46	66.41	-1458.50	-1456.89	64.80	-49.50	-0.19	-13.54	-7.90	-5.82	-6.60
690	4	986	8159.98	65.78	-1618.34	-1617.08	64.53	-45.93	18.84	-5.14	-4.61	18.32	-3.52
		987	9204.61	4.96	-1646.29	-1646.28	4.95	-4.23	10.66	-27.24	-21.60	5.01	-13.50
		1005	8074.38	4.96	-1481.11	-1481.09	4.95	-4.23	-5.08	-38.90	-24.90	-19.08	-16.66
		1004	6582.20	65.92	-1453.29	-1451.90	64.53	-45.93	-0.08	-13.62	-7.92	-5.77	-6.68
690	5	986	9500.08	75.33	-1843.45	-1843.13	75.01	-24.74	26.20	-4.24	-4.14	26.10	-1.77
		987	1.058e+04	14.71	-1872.92	-1872.75	14.55	17.58	15.27	-28.83	-23.93	10.36	-13.87
		1005	9267.45	14.73	-1715.08	-1714.90	14.55	17.58	-5.78	-41.88	-28.51	-19.16	-17.43
		1004	7638.06	75.36	-1685.63	-1685.28	75.01	-24.74	-0.11	-12.03	-8.72	-3.42	-5.34
690	6	986	7998.56	64.44	-1580.14	-1578.63	62.94	-49.68	18.28	-5.59	-4.90	17.58	-4.01
		987	8987.21	3.22	-1607.95	-1607.91	3.18	-7.85	11.02	-26.25	-20.68	5.45	-13.29
		1005	7924.16	3.22	-1459.28	-1459.23	3.18	-7.85	-3.89	-36.66	-23.72	-16.83	-16.02
		1004	6550.83	64.59	-1431.61	-1429.95	62.94	-49.68	0.62	-13.25	-7.94	-4.69	-6.74
690	7	986	7951.76	64.69	-1572.95	-1571.28	63.02	-52.22	17.90	-5.66	-4.94	17.18	-4.05
		987	8944.35	4.67	-1600.00	-1599.92	4.59	-11.32	10.72	-26.25	-20.65	5.12	-13.26
		1005	7873.32	4.68	-1446.54	-1446.46	4.59	-11.32	-3.97	-36.62	-23.63	-16.95	-15.98
		1004	6498.82	64.86	-1419.66	-1417.83	63.02	-52.22	0.54	-13.35	-7.92	-4.89	-6.78
690	8	986	6291.65	51.01	-1245.15	-1244.03	49.89	-38.11	14.86	-3.78	-3.41	14.50	-2.58
		987	7108.49	4.98	-1266.09	-1266.05	4.95	-6.65	8.40	-21.01	-16.70	4.10	-10.40
		1005	6249.48	4.98	-1144.14	-1144.10	4.95	-6.65	-4.04	-30.15	-19.31	-14.87	-12.86
		1004	5077.63	51.13	-1123.32	-1122.08	49.89	-38.11	-0.14	-10.35	-6.03	-4.47	-5.05
690	9	986	5666.74	45.79	-1120.36	-1119.17	44.60	-37.25	12.81	-4.01	-3.52	12.32	-2.83

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		987	6370.65	3.03	-1139.62	-1139.57	2.97	-8.11	7.65	-18.66	-14.70	3.70	-9.40
		1005	5625.57	3.04	-1034.90	-1034.83	2.97	-8.11	-2.86	-26.06	-16.86	-12.06	-11.35
		1004	4649.17	45.91	-1015.75	-1014.44	44.60	-37.25	0.35	-9.46	-5.67	-3.44	-4.78
690	10	986	5768.46	46.91	-1144.31	-1143.27	45.86	-35.31	13.14	-3.74	-3.35	12.75	-2.54
		987	6506.21	4.60	-1163.54	-1163.50	4.56	-6.40	7.46	-19.23	-15.23	3.47	-9.52
		1005	5726.94	4.60	-1051.13	-1051.10	4.56	-6.40	-3.56	-27.35	-17.55	-13.37	-11.71
		1004	4681.65	47.02	-1032.01	-1030.86	45.86	-35.31	-0.09	-9.67	-5.67	-4.09	-4.73
690	11	986	5678.52	45.90	-1123.85	-1122.78	44.83	-35.41	12.75	-4.05	-3.54	12.25	-2.86
		987	6379.84	2.74	-1143.44	-1143.41	2.71	-5.93	7.62	-18.68	-14.71	3.65	-9.42
		1005	5626.31	2.75	-1036.56	-1036.53	2.71	-5.93	-2.84	-26.07	-16.85	-12.05	-11.36
		1004	4654.08	46.01	-1017.07	-1015.89	44.83	-35.41	0.36	-9.51	-5.69	-3.46	-4.81
691	1	1029	3013.18	-47.74	-372.00	-366.13	-53.61	43.23	-7.12	-28.83	-15.27	-20.67	-10.52
		188	1771.74	-23.21	-353.65	-352.03	-24.83	23.09	0.42	-6.71	0.34	-6.63	0.75
		192	2037.57	-23.22	-355.30	-353.68	-24.83	23.09	15.97	4.39	5.83	14.54	3.81
		1047	2513.92	-47.77	-373.62	-367.78	-53.61	43.23	4.41	-13.69	-9.79	0.50	-7.45
691	2	1029	3073.83	-51.83	-370.07	-364.48	-57.42	41.79	-7.18	-29.69	-15.45	-21.43	-10.85
		188	1784.79	-28.59	-352.75	-351.14	-30.20	22.74	0.52	-6.94	0.47	-6.90	0.57
		192	2010.19	-28.61	-356.80	-355.22	-30.20	22.74	15.97	4.43	5.98	14.42	3.93
		1047	2507.51	-51.91	-374.07	-368.56	-57.42	41.79	3.93	-13.99	-9.95	-0.11	-7.49
691	3	1029	3030.16	-47.20	-384.36	-376.55	-55.01	50.73	-7.86	-28.78	-15.91	-20.73	-10.18
		188	1767.79	-22.03	-364.19	-361.64	-24.58	29.42	1.05	-5.94	0.65	-5.54	1.62
		192	2349.71	-22.09	-372.53	-370.05	-24.58	29.42	18.92	4.12	6.30	16.74	5.25
		1047	2596.67	-47.39	-392.58	-384.96	-55.01	50.73	4.45	-13.17	-10.26	1.54	-6.54
691	4	1029	2998.52	-26.50	-386.82	-377.55	-35.77	57.06	-7.95	-28.75	-16.00	-20.70	-10.13
		188	1820.69	2.98	-362.73	-359.93	0.18	31.89	1.13	-5.88	0.66	-5.41	1.75
		192	2448.07	2.98	-361.99	-359.18	0.18	31.89	19.37	4.13	6.38	17.12	5.41
		1047	2601.81	-26.48	-386.09	-376.80	-35.77	57.06	4.64	-13.10	-10.29	1.83	-6.48
691	5	1029	3777.09	-62.23	-385.16	-373.44	-73.95	60.40	-9.86	-39.56	-19.43	-29.99	-13.88
		188	2050.26	-38.78	-363.34	-358.55	-43.57	39.13	2.60	-8.15	2.53	-8.08	0.82
		192	2675.86	-39.26	-398.89	-394.58	-43.57	39.13	23.69	4.60	8.85	19.44	7.94
		1047	2761.93	-63.41	-420.01	-409.46	-73.95	60.40	0.82	-16.39	-13.11	-2.46	-6.76
691	6	1029	2996.27	-26.44	-377.93	-370.67	-33.70	50.01	-7.26	-28.95	-15.44	-20.77	-10.52
		188	1850.75	4.49	-354.44	-352.77	2.82	24.44	0.49	-6.65	0.38	-6.53	0.91
		192	2152.97	4.54	-343.78	-342.06	2.82	24.44	16.64	4.46	5.98	15.12	4.02
		1047	2520.01	-26.21	-367.44	-359.95	-33.70	50.01	4.66	-13.62	-9.84	0.88	-7.41
691	7	1029	2972.90	-46.41	-372.88	-366.50	-52.78	45.18	-7.31	-28.29	-15.28	-20.33	-10.18
		188	1745.10	-21.38	-353.81	-352.00	-23.19	24.47	0.65	-6.18	0.47	-6.00	1.11
		192	2139.97	-21.40	-357.06	-355.26	-23.19	24.47	16.98	4.17	5.93	15.22	4.41
		1047	2503.08	-46.47	-376.08	-369.76	-52.78	45.18	4.25	-13.18	-9.82	0.89	-6.88
691	8	1029	2333.34	-36.14	-296.09	-290.00	-42.24	39.33	-6.08	-22.17	-12.28	-15.97	-7.83
		188	1361.22	-16.73	-280.48	-278.48	-18.73	22.88	0.84	-4.56	0.52	-4.24	1.27
		192	1820.19	-16.78	-287.28	-285.33	-18.73	22.88	14.67	3.17	4.87	12.97	4.09
		1047	2003.41	-36.30	-302.79	-296.85	-42.24	39.33	3.45	-10.13	-7.92	1.24	-5.02
691	9	1029	2136.64	-33.95	-264.96	-260.67	-38.23	31.16	-5.10	-20.41	-10.87	-14.64	-7.42
		188	1254.87	-16.49	-251.82	-250.61	-17.70	16.79	0.33	-4.67	0.26	-4.60	0.60
		192	1468.10	-16.50	-253.27	-252.07	-17.70	16.79	11.55	3.08	4.16	10.47	2.83
		1047	1785.81	-33.98	-266.39	-262.14	-38.23	31.16	3.10	-9.65	-6.97	0.42	-5.19
691	10	1029	2146.14	-33.65	-271.82	-266.46	-39.01	35.32	-5.52	-20.39	-11.22	-14.68	-7.23
		188	1252.80	-15.84	-257.67	-255.95	-17.55	20.31	0.69	-4.25	0.44	-4.00	1.08
		192	1641.65	-15.87	-262.85	-261.17	-17.55	20.31	13.19	2.93	4.43	11.69	3.63
		1047	1831.94	-33.76	-276.92	-271.68	-39.01	35.32	3.12	-9.36	-7.23	1.00	-4.69
691	11	1029	2127.32	-22.11	-268.26	-263.20	-27.17	34.93	-5.18	-20.48	-10.96	-14.70	-7.42
		188	1298.41	-1.10	-252.26	-251.03	-2.34	17.54	0.38	-4.64	0.28	-4.54	0.69
		192	1532.08	-1.08	-246.87	-245.62	-2.34	17.54	11.92	3.12	4.25	10.79	2.94
		1047	1789.42	-22.00	-262.96	-257.79	-27.17	34.93	3.24	-9.61	-7.00	0.63	-5.17
692	1	1028	5694.45	-26.70	-941.76	-941.37	-27.09	-18.87	-9.79	-39.30	-21.98	-27.11	-14.53
		1029	4020.28	15.85	-923.88	-921.49	13.47	-47.27	-2.83	-11.63	-3.49	-10.97	-2.33
		1047	4522.24	15.85	-923.12	-920.73	13.47	-47.27	16.36	1.71	1.90	16.16	1.68
		1046	5624.87	-26.70	-940.99	-940.60	-27.09	-18.87	5.11	-21.68	-16.58	0.01	-10.52
692	2	1028	5708.56	-28.37	-944.31	-943.79	-28.89	-21.81	-9.84	-39.54	-21.90	-27.47	-14.59
		1029	4032.48	13.41	-926.97	-924.35	10.79	-49.59	-2.90	-12.18	-3.70	-11.38	-2.61
		1047	4492.16	13.40	-932.85	-930.25	10.79	-49.59	15.01	1.35	1.53	14.83	1.54
		1046	5612.13	-28.37	-950.21	-949.69	-28.89	-21.81	4.02	-21.94	-16.67	-1.25	-10.44
692	3	1028	5840.29	-25.58	-964.37	-964.21	-25.73	-11.97	-11.16	-40.91	-23.21	-28.86	-14.61
		1029	4141.67	15.88	-946.30	-944.64	14.22	-39.93	-2.87	-11.14	-3.12	-10.89	-1.42
		1047	4707.95	15.89	-939.14	-937.46	14.22	-39.93	19.41	2.04	2.72	18.73	3.38
		1046	5742.55	-25.57	-957.19	-957.04	-25.73	-11.97	5.06	-21.66	-17.37	0.76	-9.81
692	4	1028	5822.29	-13.86	-967.08	-967.05	-13.89	5.40	-11.31	-41.32	-23.41	-29.22	-14.72
		1029	4205.24	37.45	-943.26	-942.34	36.54	-29.90	-2.77	-11.05	-2.97	-10.85	-1.27
		1047	4735.65	37.48	-917.88	-916.94	36.54	-29.90	20.24	2.25	3.03	19.46	3.67
		1046	5689.06	-13.86	-941.68	-941.65	-13.89	5.40	5.30	-21.62	-17.41	1.09	-9.78
692	5	1028	6619.23	-32.74	-1032.56	-1032.56	-32.74	-0.19	-14.89	-53.39	-27.47	-40.80	-18.06

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1029	4822.75	18.00	-1009.46	-1008.28	16.82	-34.88	-2.52	-17.43	-3.02	-16.94	-2.68
		1047	4906.99	17.96	-1045.08	-1043.93	16.82	-34.88	17.71	1.02	3.07	15.66	5.47
		1046	6145.58	-32.74	-1068.21	-1068.21	-32.74	-0.19	-2.90	-26.69	-21.39	-8.20	-9.90
692	6	1028	5690.56	-17.30	-946.59	-946.57	-17.32	-3.92	-9.94	-39.70	-22.19	-27.44	-14.65
		1029	4087.00	34.56	-923.53	-921.93	32.96	-39.11	-2.76	-11.49	-3.34	-10.91	-2.18
		1047	4542.79	34.59	-904.82	-903.19	32.96	-39.11	17.21	1.97	2.22	16.96	1.96
		1046	5582.48	-17.30	-927.85	-927.83	-17.32	-3.92	5.42	-21.63	-16.63	0.42	-10.51
692	7	1028	5653.11	-26.12	-937.83	-937.57	-26.38	-15.36	-10.17	-39.11	-22.03	-27.25	-14.23
		1029	4002.68	16.24	-919.74	-917.69	14.19	-43.76	-2.87	-11.17	-3.35	-10.70	-1.92
		1047	4515.31	16.25	-915.24	-913.18	14.19	-43.76	17.05	1.72	2.10	16.67	2.36
		1046	5563.65	-26.12	-933.32	-933.06	-26.38	-15.36	4.76	-21.22	-16.58	0.12	-9.95
692	8	1028	4502.46	-19.49	-743.04	-742.93	-19.60	-8.82	-8.64	-31.59	-17.93	-22.30	-11.26
		1029	3194.22	12.48	-729.08	-727.83	11.23	-30.40	-2.20	-8.57	-2.38	-8.39	-1.06
		1047	3633.38	12.49	-723.36	-722.10	11.23	-30.40	15.10	1.60	2.14	14.56	2.66
		1046	4427.47	-19.49	-737.31	-737.20	-19.60	-8.82	3.93	-16.69	-13.41	0.64	-7.55
692	9	1028	4044.74	-19.02	-669.44	-669.19	-19.28	-12.98	-7.04	-27.92	-15.65	-19.32	-10.28
		1029	2856.58	11.02	-656.78	-655.14	9.38	-33.04	-2.03	-8.19	-2.46	-7.75	-1.58
		1047	3215.83	11.02	-655.64	-654.00	9.38	-33.04	11.75	1.21	1.38	11.58	1.32
		1046	3991.28	-19.02	-668.30	-668.04	-19.28	-12.98	3.56	-15.34	-11.80	0.02	-7.37
692	10	1028	4125.78	-18.40	-682.01	-681.88	-18.52	-9.14	-7.80	-28.82	-16.33	-20.29	-10.32
		1029	2924.05	11.03	-669.24	-668.01	9.79	-28.96	-2.05	-7.92	-2.26	-7.71	-1.07
		1047	3318.83	11.04	-664.54	-663.30	9.79	-28.96	13.45	1.40	1.84	13.01	2.26
		1046	4056.67	-18.39	-677.30	-677.17	-18.52	-9.14	3.53	-15.33	-12.24	0.44	-6.99
692	11	1028	4042.61	-13.82	-672.11	-672.08	-13.85	-4.67	-7.12	-28.14	-15.77	-19.50	-10.34
		1029	2893.52	21.41	-656.59	-655.39	20.21	-28.51	-1.99	-8.11	-2.38	-7.72	-1.50
		1047	3227.47	21.43	-645.48	-644.26	20.21	-28.51	12.23	1.36	1.56	12.02	1.48
		1046	3967.83	-13.82	-660.98	-660.95	-13.85	-4.67	3.74	-15.32	-11.83	0.24	-7.37
693	1	1027	7468.44	-5.87	-1372.28	-1369.29	-8.86	-63.83	-8.56	-38.47	-23.42	-23.61	-14.95
		1028	6098.25	28.70	-1358.92	-1353.53	23.30	-86.34	-4.60	-16.70	-9.59	-11.70	-5.96
		1046	6580.02	28.68	-1362.01	-1356.63	23.30	-86.34	9.28	-6.32	-5.71	8.67	-3.02
		1045	7601.16	-5.87	-1375.37	-1372.39	-8.86	-63.83	3.13	-25.91	-19.54	-3.24	-12.02
693	2	1027	7467.48	-4.69	-1379.61	-1376.51	-7.79	-65.21	-8.71	-38.34	-23.22	-23.83	-14.81
		1028	6167.00	30.33	-1366.12	-1360.56	24.76	-88.00	-4.85	-17.57	-10.08	-12.34	-6.26
		1046	6579.73	30.30	-1372.41	-1366.87	24.76	-88.00	7.29	-7.23	-6.43	6.49	-3.31
		1045	7567.11	-4.71	-1385.91	-1382.82	-7.79	-65.21	1.64	-26.20	-19.57	-4.99	-11.86
693	3	1027	7655.02	-3.37	-1399.22	-1396.84	-5.76	-57.67	-10.43	-41.22	-25.01	-26.63	-15.37
		1028	6101.96	29.55	-1386.17	-1381.72	25.10	-79.27	-5.53	-16.30	-9.25	-12.58	-5.12
		1046	6634.62	29.60	-1372.99	-1368.49	25.10	-79.27	11.23	-4.84	-4.73	11.12	-1.33
		1045	7712.84	-3.35	-1386.02	-1383.61	-5.76	-57.67	2.82	-26.25	-20.49	-2.93	-11.58
693	4	1027	7613.16	-2.37	-1394.74	-1393.33	-3.77	-44.21	-10.48	-41.32	-25.07	-26.73	-15.40
		1028	6061.11	31.18	-1380.88	-1377.75	28.04	-66.48	-5.54	-16.16	-9.16	-12.54	-5.03
		1046	6577.22	31.23	-1356.63	-1353.44	28.04	-66.48	11.57	-4.65	-4.56	11.48	-1.21
		1045	7640.17	-2.34	-1370.45	-1369.02	-3.77	-44.21	3.00	-26.18	-20.47	-2.71	-11.58
693	5	1027	8641.08	3.38	-1546.13	-1544.89	2.14	-43.84	-16.88	-56.49	-30.76	-42.60	-18.90
		1028	6593.51	44.84	-1528.81	-1525.56	41.59	-71.46	-8.00	-25.78	-10.89	-22.89	-6.56
		1046	7086.67	44.78	-1560.55	-1557.37	41.59	-71.46	3.37	-6.15	-6.13	3.34	0.47
		1045	8448.36	3.36	-1577.91	-1576.70	2.14	-43.84	-8.38	-34.00	-26.01	-16.36	-11.87
693	6	1027	7447.91	-6.29	-1370.72	-1368.49	-8.51	-55.10	-8.56	-38.50	-23.47	-23.59	-14.97
		1028	6073.61	27.36	-1357.34	-1353.03	23.04	-77.19	-4.59	-16.53	-9.52	-11.59	-5.88
		1046	6542.22	27.38	-1352.07	-1347.73	23.04	-77.19	9.64	-6.14	-5.57	9.07	-2.94
		1045	7560.21	-6.28	-1365.43	-1363.20	-8.51	-55.10	3.40	-25.84	-19.52	-2.92	-12.04
693	7	1027	7409.26	-5.37	-1363.12	-1360.51	-7.98	-59.48	-9.16	-38.65	-23.54	-24.27	-14.74
		1028	6020.03	28.23	-1349.96	-1345.13	23.40	-81.45	-4.98	-16.32	-9.43	-11.86	-5.54
		1046	6478.07	28.25	-1343.76	-1338.90	23.40	-81.45	9.37	-5.77	-5.41	9.00	-2.32
		1045	7488.89	-5.35	-1356.90	-1354.28	-7.98	-59.48	2.59	-25.52	-19.52	-3.41	-11.52
693	8	1027	5901.35	-2.49	-1077.93	-1076.12	-4.30	-44.05	-8.09	-31.87	-19.33	-20.64	-11.87
		1028	4694.84	22.85	-1067.86	-1064.47	19.47	-60.69	-4.27	-12.52	-7.09	-9.71	-3.91
		1046	5111.98	22.89	-1057.41	-1053.99	19.47	-60.69	8.80	-3.65	-3.57	8.72	-0.96
		1045	5945.77	-2.47	-1067.46	-1065.64	-4.30	-44.05	2.21	-20.23	-15.82	-2.20	-8.92
693	9	1027	5304.24	-4.02	-974.90	-972.83	-6.09	-44.83	-6.21	-27.40	-16.69	-16.92	-10.60
		1028	4326.08	20.30	-965.48	-961.73	16.55	-60.69	-3.35	-11.81	-6.80	-8.36	-4.16
		1046	4663.55	20.30	-965.94	-962.19	16.55	-60.69	6.60	-4.40	-4.02	6.22	-2.02
		1045	5388.41	-4.02	-975.37	-973.29	-6.09	-44.83	2.12	-18.37	-13.90	-2.35	-8.46
693	10	1027	5407.86	-2.63	-989.87	-988.13	-4.37	-41.41	-7.24	-28.93	-17.57	-18.60	-10.83
		1028	4328.14	20.78	-980.62	-977.39	17.55	-56.76	-3.87	-11.59	-6.61	-8.84	-3.70
		1046	4693.57	20.81	-972.04	-968.78	17.55	-56.76	7.68	-3.57	-3.47	7.58	-1.08
		1045	5450.46	-2.62	-981.28	-979.53	-4.37	-41.41	1.94	-18.55	-14.43	-2.18	-8.22
693	11	1027	5292.85	-4.25	-974.03	-972.38	-5.90	-39.98	-6.20	-27.42	-16.71	-16.91	-10.61
		1028	4312.47	19.56	-964.60	-961.45	16.41	-55.60	-3.34	-11.72	-6.76	-8.30	-4.12
		1046	4642.72	19.58	-960.42	-957.25	16.41	-55.60	6.80	-4.30	-3.94	6.44	-1.98
		1045	5365.69	-4.25	-969.84	-968.19	-5.90	-39.98	2.27	-18.33	-13.89	-2.17	-8.47
694	1	1026	8665.38	21.93	-1664.28	-1659.28	16.92	-91.72	-6.13	-34.82	-22.92	-18.03	-14.14

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1027	7910.33	42.05	-1656.63	-1650.14	35.57	-104.77	-3.90	-22.10	-14.78	-11.22	-8.92
		1045	8206.05	42.00	-1670.96	-1664.53	35.57	-104.77	3.86	-15.87	-12.63	0.61	-7.32
		1044	8864.47	21.88	-1678.63	-1673.67	16.92	-91.72	1.01	-27.98	-20.77	-6.20	-12.53
694	2	1026	8658.89	24.81	-1674.07	-1669.07	19.81	-92.01	-6.43	-34.48	-22.65	-18.26	-13.85
		1027	7994.95	45.02	-1666.37	-1659.89	38.54	-105.12	-4.44	-23.15	-15.46	-12.12	-9.20
		1045	8219.54	44.97	-1679.87	-1673.44	38.54	-105.12	1.75	-17.44	-13.56	-2.13	-7.71
		1044	8809.07	24.77	-1687.57	-1682.61	19.81	-92.01	-0.67	-28.35	-20.75	-8.27	-12.35
694	3	1026	8845.20	25.10	-1691.11	-1686.65	20.64	-87.37	-8.45	-38.31	-24.72	-22.03	-14.87
		1027	7888.17	42.84	-1684.24	-1678.56	37.16	-98.93	-5.43	-21.98	-14.47	-12.94	-8.24
		1045	8170.43	42.87	-1675.68	-1669.96	37.16	-98.93	4.80	-13.60	-11.55	2.75	-5.79
		1044	8960.83	25.12	-1682.54	-1678.05	20.64	-87.37	0.56	-28.70	-21.80	-6.34	-12.42
694	4	1026	8799.33	22.30	-1684.49	-1681.09	18.90	-76.12	-8.44	-38.38	-24.75	-22.07	-14.91
		1027	7837.66	40.00	-1677.45	-1672.95	35.50	-87.75	-5.39	-21.87	-14.39	-12.88	-8.20
		1045	8105.72	40.04	-1662.74	-1658.21	35.50	-87.75	5.01	-13.41	-11.42	3.02	-5.72
		1044	8895.98	22.33	-1669.78	-1666.34	18.90	-76.12	0.69	-28.65	-21.78	-6.18	-12.43
694	5	1026	1.022e+04	57.36	-1932.19	-1928.93	54.11	-80.38	-18.33	-57.63	-32.74	-43.22	-18.94
		1027	8725.88	74.14	-1925.37	-1921.17	69.95	-91.47	-11.93	-33.81	-17.66	-28.08	-9.62
		1045	9005.05	74.08	-1953.19	-1949.06	69.95	-91.47	-6.02	-16.14	-14.07	-8.09	-4.08
		1044	1.016e+04	57.31	-1960.03	-1956.82	54.11	-80.38	-12.47	-39.92	-29.15	-23.23	-13.40
694	6	1026	8649.76	19.28	-1662.38	-1658.09	14.99	-84.76	-6.05	-34.84	-22.95	-17.94	-14.18
		1027	7888.32	39.30	-1654.63	-1648.96	33.63	-97.81	-3.79	-21.96	-14.71	-11.04	-8.90
		1045	8176.29	39.26	-1664.77	-1659.14	33.63	-97.81	4.15	-15.69	-12.52	0.98	-7.27
		1044	8838.42	19.25	-1672.53	-1668.27	14.99	-84.76	1.24	-27.92	-20.77	-5.92	-12.55
694	7	1026	8581.26	22.30	-1650.01	-1645.42	17.71	-87.51	-6.98	-35.35	-23.11	-19.22	-14.05
		1027	7791.74	41.02	-1642.82	-1636.90	35.10	-99.68	-4.56	-21.85	-14.59	-11.82	-8.53
		1045	8037.12	41.02	-1643.67	-1637.75	35.10	-99.68	3.59	-15.01	-12.21	0.79	-6.65
		1044	8714.06	22.30	-1650.86	-1646.27	17.71	-87.51	0.39	-27.74	-20.73	-6.61	-12.17
694	8	1026	6817.60	19.29	-1302.67	-1299.26	15.89	-67.00	-6.58	-29.66	-19.12	-17.13	-11.49
		1027	6068.75	32.96	-1297.37	-1293.03	28.62	-75.91	-4.22	-16.90	-11.10	-10.01	-6.32
		1045	6291.60	32.98	-1290.56	-1286.19	28.62	-75.91	3.82	-10.34	-8.82	2.29	-4.39
		1044	6907.79	19.31	-1295.85	-1292.43	15.89	-67.00	0.47	-22.13	-16.83	-4.83	-9.57
694	9	1026	6151.50	15.90	-1181.76	-1178.25	12.39	-64.71	-4.52	-24.87	-16.35	-13.05	-10.04
		1027	5608.48	29.87	-1176.43	-1171.91	25.34	-73.78	-2.90	-15.68	-10.49	-8.10	-6.28
		1045	5808.17	29.84	-1183.93	-1179.43	25.34	-73.78	2.68	-11.15	-8.92	0.45	-5.08
		1044	6279.81	15.88	-1189.26	-1185.78	12.39	-64.71	0.59	-19.87	-14.77	-4.50	-8.85
694	10	1026	6251.32	17.66	-1196.66	-1193.45	14.46	-62.30	-5.81	-26.81	-17.35	-15.27	-10.45
		1027	5596.18	30.31	-1191.78	-1187.69	26.22	-70.53	-3.75	-15.62	-10.32	-9.05	-5.90
		1045	5788.07	30.32	-1186.55	-1182.45	26.22	-70.53	3.19	-9.88	-8.32	1.64	-4.24
		1044	6333.34	17.68	-1191.43	-1188.21	14.46	-62.30	0.34	-20.27	-15.35	-4.58	-8.78
694	11	1026	6142.82	14.43	-1180.70	-1177.59	11.32	-60.85	-4.48	-24.88	-16.36	-13.00	-10.06
		1027	5596.28	28.34	-1175.32	-1171.25	24.26	-69.91	-2.84	-15.61	-10.45	-8.00	-6.26
		1045	5791.70	28.32	-1180.49	-1176.44	24.26	-69.91	2.84	-11.05	-8.86	0.65	-5.06
		1044	6265.34	14.41	-1185.87	-1182.78	11.32	-60.85	0.72	-19.84	-14.77	-4.35	-8.86
695	1	1025	9242.33	50.49	-1818.56	-1814.10	46.02	-91.21	-3.33	-30.09	-21.13	-12.29	-12.63
		1026	9000.55	64.98	-1812.88	-1807.47	59.57	-100.69	-2.49	-25.81	-18.26	-10.04	-10.91
		1044	9133.03	64.95	-1823.92	-1818.54	59.57	-100.69	0.06	-23.77	-17.67	-6.04	-10.40
		1043	9364.27	50.46	-1829.61	-1825.17	46.02	-91.21	-0.83	-28.00	-20.54	-8.29	-12.12
695	2	1025	9232.96	54.41	-1829.20	-1824.80	50.01	-90.93	-3.78	-29.65	-20.84	-12.59	-12.26
		1026	9086.28	68.72	-1823.58	-1818.25	63.38	-100.30	-3.29	-26.95	-19.05	-11.18	-11.16
		1044	9151.08	68.70	-1830.63	-1825.32	63.38	-100.30	-2.02	-25.77	-18.70	-9.09	-10.86
		1043	9294.11	54.39	-1836.26	-1831.88	50.01	-90.93	-2.53	-28.45	-20.48	-10.50	-11.96
695	3	1025	9390.44	54.23	-1842.70	-1838.44	49.98	-89.70	-6.02	-33.97	-23.02	-16.98	-13.65
		1026	8952.05	65.57	-1838.20	-1833.24	60.61	-97.14	-4.42	-26.02	-17.98	-12.46	-10.44
		1044	9044.51	65.62	-1822.55	-1817.54	60.61	-97.14	0.58	-21.43	-16.55	-4.31	-9.15
		1043	9443.48	54.26	-1827.03	-1822.75	49.98	-89.70	-1.30	-29.11	-21.58	-8.83	-12.35
695	4	1025	9344.31	50.49	-1835.54	-1832.17	47.13	-79.60	-6.01	-34.04	-23.04	-17.01	-13.69
		1026	8899.22	61.53	-1831.07	-1827.07	57.53	-86.88	-4.37	-25.93	-17.90	-12.40	-10.43
		1044	8984.04	61.57	-1812.15	-1808.12	57.53	-86.88	0.74	-21.26	-16.44	-4.08	-9.10
		1043	9388.02	50.52	-1816.61	-1813.21	47.13	-79.60	-1.19	-29.08	-21.58	-8.69	-12.36
695	5	1025	1.125e+04	76.67	-2223.29	-2220.56	73.94	-79.14	-18.75	-56.19	-32.90	-42.04	-18.16
		1026	1.034e+04	116.38	-2206.92	-2202.12	111.58	-105.50	-14.82	-40.03	-23.06	-31.79	-11.82
		1044	1.033e+04	116.41	-2193.72	-2188.89	111.58	-105.50	-11.10	-27.36	-20.33	-18.14	-8.05
		1043	1.112e+04	76.68	-2210.08	-2207.34	73.94	-79.14	-14.86	-43.69	-30.17	-28.38	-14.39
695	6	1025	9231.07	47.62	-1817.15	-1813.26	43.73	-85.09	-3.21	-30.09	-21.15	-12.16	-12.67
		1026	8983.94	61.80	-1811.51	-1806.74	57.03	-94.41	-2.34	-25.70	-18.20	-9.84	-10.91
		1044	9110.04	61.78	-1820.00	-1815.25	57.03	-94.41	0.28	-23.61	-17.60	-5.73	-10.37
		1043	9346.10	47.60	-1825.65	-1821.77	43.73	-85.09	-0.65	-27.94	-20.54	-8.05	-12.13
695	7	1025	9133.10	50.85	-1800.00	-1795.77	46.63	-88.36	-4.43	-30.88	-21.38	-13.93	-12.69
		1026	8849.40	63.42	-1795.04	-1790.01	58.39	-96.59	-3.40	-25.70	-18.05	-11.04	-10.58
		1044	8925.55	63.43	-1790.57	-1785.52	58.39	-96.59	-0.30	-22.89	-17.17	-6.02	-9.82
		1043	9192.87	50.86	-1795.52	-1791.28	46.63	-88.36	-1.44	-27.97	-20.51	-8.90	-11.93
695	8	1025	7236.52	41.59	-1419.36	-1416.10	38.33	-68.93	-4.73	-26.34	-17.81	-13.25	-10.56

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1026	6887.15	50.29	-1415.91	-1412.10	46.48	-74.64	-3.45	-20.01	-13.80	-9.65	-8.02
		1044	6963.47	50.32	-1403.81	-1399.97	46.48	-74.64	0.55	-16.35	-12.66	-3.14	-6.99
		1043	7280.36	41.61	-1407.25	-1403.96	38.33	-68.93	-0.96	-22.45	-16.67	-6.74	-9.53
695	9	1025	6557.40	36.35	-1290.74	-1287.59	33.21	-64.55	-2.58	-21.56	-15.08	-9.05	-9.00
		1026	6378.40	46.27	-1286.84	-1283.05	42.48	-71.03	-1.95	-18.35	-12.96	-7.34	-7.71
		1044	6459.97	46.26	-1291.37	-1287.59	42.48	-71.03	-0.04	-16.77	-12.49	-4.32	-7.30
		1043	6630.55	36.34	-1295.26	-1292.13	33.21	-64.55	-0.72	-19.92	-14.61	-6.03	-8.59
695	10	1025	6639.57	38.43	-1304.14	-1301.11	35.40	-63.70	-4.08	-23.71	-16.13	-11.66	-9.56
		1026	6351.49	46.60	-1300.91	-1297.36	43.05	-69.06	-3.02	-18.47	-12.81	-8.68	-7.44
		1044	6410.53	46.63	-1290.61	-1287.03	43.05	-69.06	0.25	-15.46	-11.87	-3.35	-6.60
		1043	6674.57	38.46	-1293.83	-1290.78	35.40	-63.70	-0.98	-20.54	-15.19	-6.33	-8.72
695	11	1025	6551.12	34.76	-1289.95	-1287.12	31.93	-61.14	-2.51	-21.56	-15.09	-8.98	-9.02
		1026	6369.17	44.51	-1286.08	-1282.65	41.07	-78.43	-1.87	-18.29	-12.93	-7.23	-7.70
		1044	6447.22	44.50	-1289.19	-1285.76	41.07	-78.43	0.08	-16.68	-12.45	-4.14	-7.28
		1043	6620.43	34.75	-1293.06	-1290.24	31.93	-61.14	-0.62	-19.89	-14.61	-5.89	-8.59
696	1	1024	9126.41	73.08	-1824.23	-1820.94	69.79	-78.91	-5.40e-03	-23.57	-17.72	-5.85	-10.17
		1025	9324.92	72.36	-1824.52	-1821.27	69.11	-78.43	-0.83	-27.54	-20.16	-8.21	-11.94
		1043	9309.25	72.35	-1830.37	-1827.13	69.11	-78.43	-3.18	-29.92	-21.10	-12.00	-12.57
		1042	9101.09	73.07	-1830.07	-1826.79	69.79	-78.91	-2.45	-25.86	-18.67	-9.64	-10.80
696	2	1024	9115.60	77.52	-1834.66	-1831.43	74.29	-78.49	-0.53	-23.03	-17.42	-6.14	-9.74
		1025	9405.28	76.46	-1835.09	-1831.92	73.29	-77.79	-1.79	-28.68	-20.99	-9.48	-12.15
		1043	9334.41	76.46	-1835.01	-1831.84	73.29	-77.79	-5.11	-32.20	-22.16	-15.15	-13.08
		1042	9024.26	77.52	-1834.58	-1831.35	74.29	-78.49	-4.00	-26.40	-18.58	-11.81	-10.68
696	3	1024	9224.43	77.35	-1844.05	-1840.66	73.95	-80.65	-3.01	-27.45	-19.58	-10.89	-11.42
		1025	9255.29	73.13	-1845.78	-1842.62	69.97	-77.85	-2.98	-28.03	-19.90	-11.11	-11.73
		1043	9189.45	73.17	-1823.12	-1819.92	69.97	-77.85	-2.79	-27.92	-19.99	-10.72	-11.67
		1042	9158.65	77.39	-1821.40	-1817.97	73.95	-80.65	-2.83	-27.34	-19.66	-10.50	-11.37
696	4	1024	9178.22	73.77	-1836.54	-1833.91	71.14	-70.84	-3.00	-27.52	-19.60	-10.93	-11.47
		1025	9201.00	69.44	-1838.36	-1835.94	67.01	-67.95	-2.93	-27.96	-19.83	-11.06	-11.72
		1043	9133.06	69.47	-1814.35	-1811.90	67.01	-67.95	-2.66	-27.75	-19.90	-10.51	-11.63
		1042	9110.38	73.81	-1812.54	-1809.87	71.14	-70.84	-2.74	-27.32	-19.67	-10.39	-11.38
696	5	1024	1.078e+04	139.55	-2255.78	-2250.44	134.21	-112.93	-13.90	-36.91	-24.03	-26.77	-11.42
		1025	1.116e+04	84.30	-2278.57	-2276.11	81.84	-76.27	-16.08	-44.30	-28.87	-31.51	-14.05
		1043	1.078e+04	84.42	-2170.18	-2167.60	81.84	-76.27	-15.83	-48.26	-29.23	-34.86	-15.97
		1042	1.039e+04	139.80	-2147.52	-2141.93	134.21	-112.93	-13.61	-40.90	-24.38	-30.13	-13.34
696	6	1024	9119.25	70.83	-1823.22	-1820.38	67.99	-73.30	0.13	-23.55	-17.72	-5.69	-10.20
		1025	9313.70	69.62	-1823.72	-1820.94	66.84	-72.49	-0.66	-27.46	-20.12	-8.00	-11.95
		1043	9290.46	69.62	-1827.68	-1824.90	66.84	-72.49	-3.02	-29.79	-21.06	-11.75	-12.55
		1042	9086.59	70.82	-1827.18	-1824.34	67.99	-73.30	-2.31	-25.80	-18.67	-9.43	-10.80
696	7	1024	8995.81	73.61	-1802.98	-1799.74	70.38	-77.86	-1.33	-24.49	-18.03	-7.79	-10.39
		1025	9154.72	71.00	-1804.05	-1800.96	67.91	-76.13	-1.90	-27.54	-19.93	-9.51	-11.72
		1043	9087.95	71.02	-1793.84	-1790.73	67.91	-76.13	-3.49	-29.18	-20.55	-12.11	-12.13
		1042	8923.73	73.63	-1792.77	-1789.52	70.38	-77.86	-2.96	-26.08	-18.65	-10.39	-10.80
696	8	1024	7107.38	59.30	-1420.38	-1417.76	56.69	-62.11	-2.41	-21.31	-15.16	-8.56	-8.86
		1025	7120.56	55.99	-1421.73	-1419.30	53.56	-59.92	-2.34	-21.56	-15.28	-8.62	-9.02
		1043	7074.48	56.02	-1404.35	-1401.89	53.56	-59.92	-2.06	-21.35	-15.32	-8.09	-8.94
		1042	7061.39	59.33	-1403.00	-1400.35	56.69	-62.11	-2.13	-21.09	-15.19	-8.03	-8.78
696	9	1024	6470.72	52.53	-1294.23	-1291.90	50.19	-56.06	-0.26	-16.94	-12.67	-4.53	-7.28
		1025	6605.52	51.66	-1294.59	-1292.30	49.37	-55.48	-0.80	-19.61	-14.31	-6.09	-8.46
		1043	6581.94	51.66	-1295.11	-1292.82	49.37	-55.48	-2.34	-21.17	-14.92	-8.58	-8.87
		1042	6441.10	52.53	-1294.75	-1292.42	50.19	-56.06	-1.85	-18.45	-13.28	-7.02	-7.68
696	10	1024	6525.06	54.90	-1305.25	-1302.85	52.51	-57.02	-1.93	-19.10	-13.70	-7.33	-7.97
		1025	6566.90	52.09	-1306.40	-1304.16	49.85	-55.16	-1.99	-19.88	-14.17	-7.70	-8.34
		1043	6515.20	52.12	-1291.09	-1288.82	49.85	-55.16	-2.12	-20.06	-14.31	-7.87	-8.37
		1042	6473.14	54.93	-1289.94	-1287.51	52.51	-57.02	-2.06	-19.27	-13.83	-7.50	-8.00
696	11	1024	6466.68	51.28	-1293.67	-1291.58	49.19	-52.94	-0.18	-16.92	-12.67	-4.44	-7.29
		1025	6599.26	50.14	-1294.14	-1292.11	48.11	-52.18	-0.71	-19.56	-14.29	-5.98	-8.46
		1043	6571.49	50.14	-1293.61	-1291.58	48.11	-52.18	-2.25	-21.10	-14.90	-8.44	-8.85
		1042	6433.00	51.28	-1293.14	-1291.05	49.19	-52.94	-1.77	-18.41	-13.28	-6.90	-7.68
697	1	1023	8326.11	86.23	-1682.83	-1681.01	84.41	-56.64	4.21	-15.32	-12.62	1.51	-6.74
		1024	8907.77	71.67	-1689.12	-1687.87	70.42	-46.85	1.17	-27.25	-20.51	-5.57	-12.09
		1042	8770.87	71.66	-1692.55	-1691.30	70.42	-46.85	-6.09	-34.39	-23.03	-17.45	-13.87
		1041	8088.18	86.22	-1686.26	-1684.45	84.41	-56.64	-3.90	-21.60	-15.14	-10.37	-8.52
697	2	1023	8317.87	90.62	-1692.43	-1690.65	88.84	-56.32	3.76	-14.73	-12.29	1.31	-6.27
		1024	8980.30	75.80	-1698.85	-1697.64	74.59	-46.34	0.14	-28.33	-21.34	-6.85	-12.25
		1042	8808.81	75.80	-1695.39	-1694.18	74.59	-46.34	-7.73	-36.83	-24.06	-20.49	-14.44
		1041	8012.42	90.62	-1688.98	-1687.20	88.84	-56.32	-5.11	-22.23	-15.01	-12.33	-8.46
697	3	1023	8353.36	90.51	-1697.12	-1694.97	88.37	-61.87	0.87	-18.67	-14.30	-3.50	-8.15
		1024	8822.77	72.43	-1704.86	-1703.46	71.03	-49.74	-1.04	-27.98	-20.30	-8.73	-12.16
		1042	8638.47	72.45	-1679.75	-1678.33	71.03	-49.74	-5.69	-33.02	-22.01	-16.71	-13.41
		1041	8116.09	90.54	-1672.02	-1669.84	88.37	-61.87	-4.09	-23.40	-16.01	-11.48	-9.39
697	4	1023	8305.98	87.80	-1688.87	-1687.37	86.30	-51.68	0.86	-18.74	-14.32	-3.56	-8.19

		1024	8765.03	69.82	-1696.76	-1695.88	68.93	-39.52	-1.01	-27.90	-20.22	-8.69	-12.15
		1042	8583.84	69.83	-1672.14	-1671.24	68.93	-39.52	-5.58	-32.85	-21.92	-16.51	-13.36
		1041	8073.44	87.82	-1664.26	-1662.74	86.30	-51.68	-4.02	-23.38	-16.02	-11.38	-9.40
697	5	1023	9257.38	136.49	-1984.15	-1981.85	134.20	-69.77	-8.87	-23.68	-16.84	-15.70	-7.38
		1024	1.013e+04	122.98	-1989.94	-1988.20	121.23	-60.70	-13.31	-41.28	-27.83	-26.76	-13.97
		1042	9885.64	123.06	-1897.23	-1895.41	121.23	-60.70	-15.70	-53.13	-29.92	-38.91	-18.17
		1041	8843.76	136.60	-1891.46	-1889.06	134.20	-69.77	-10.99	-35.80	-18.94	-27.85	-11.58
697	6	1023	8322.70	85.04	-1681.87	-1680.37	83.55	-51.41	4.36	-15.29	-12.60	1.68	-6.75
		1024	8900.26	69.87	-1688.51	-1687.54	68.91	-41.17	1.33	-27.19	-20.48	-5.38	-12.10
		1042	8754.13	69.87	-1690.50	-1689.54	68.91	-41.17	-5.98	-34.29	-23.01	-17.27	-13.86
		1041	8075.59	85.04	-1683.86	-1682.36	83.55	-51.41	-3.81	-21.53	-15.13	-10.21	-8.51
697	7	1023	8177.92	86.83	-1660.86	-1658.95	84.93	-57.69	2.65	-16.16	-12.94	-0.57	-7.09
		1024	8733.32	70.65	-1667.82	-1666.56	69.39	-46.81	4.28e-03	-27.37	-20.29	-7.07	-11.98
		1042	8559.28	70.66	-1655.80	-1654.53	69.39	-46.81	-6.26	-33.92	-22.48	-17.70	-13.62
		1041	7917.75	86.85	-1648.83	-1646.92	84.93	-57.69	-4.22	-22.11	-15.13	-11.20	-8.72
697	8	1023	6434.64	69.41	-1307.16	-1305.50	67.74	-47.82	0.58	-14.53	-11.08	-2.87	-6.34
		1024	6787.88	55.37	-1313.17	-1312.09	54.29	-38.40	-0.85	-21.53	-15.59	-6.78	-9.36
		1042	6649.71	55.39	-1293.95	-1292.86	54.29	-38.40	-4.31	-25.29	-16.88	-12.72	-10.28
		1041	6258.00	69.43	-1287.95	-1286.27	67.74	-47.82	-3.11	-18.06	-12.37	-8.80	-7.26
697	9	1023	5897.63	61.90	-1193.45	-1192.14	60.59	-40.53	2.69	-11.05	-9.04	0.68	-4.86
		1024	6307.46	51.28	-1198.03	-1197.14	50.38	-33.38	0.60	-19.42	-14.56	-4.26	-8.59
		1042	6199.93	51.28	-1196.82	-1195.93	50.38	-33.38	-4.38	-24.40	-16.29	-12.49	-9.83
		1041	5720.84	61.91	-1192.24	-1190.92	60.59	-40.53	-2.85	-15.47	-10.77	-7.55	-6.10
697	10	1023	5912.65	64.28	-1201.38	-1199.89	62.79	-43.43	0.84	-12.92	-9.97	-2.11	-5.64
		1024	6260.35	51.70	-1206.78	-1205.80	50.72	-34.99	-0.63	-19.83	-14.45	-6.01	-8.63
		1042	6126.30	51.71	-1189.71	-1188.72	50.72	-34.99	-4.16	-23.64	-15.73	-12.07	-9.57
		1041	5736.46	64.30	-1184.32	-1182.81	62.79	-43.43	-2.95	-16.48	-11.25	-8.17	-6.58
697	11	1023	5895.64	61.24	-1192.91	-1191.78	60.11	-37.62	2.78	-11.04	-9.03	0.77	-4.87
		1024	6303.24	50.28	-1197.69	-1196.96	49.54	-30.22	0.69	-19.39	-14.55	-4.15	-8.59
		1042	6190.59	50.28	-1195.68	-1194.95	49.54	-30.22	-4.32	-24.35	-16.28	-12.39	-9.82
		1041	5713.77	61.24	-1190.90	-1189.77	60.11	-37.62	-2.80	-15.43	-10.77	-7.46	-6.10
698	1	1022	6917.86	94.73	-1394.48	-1394.12	94.37	-23.16	10.37	-6.04	-5.73	10.07	-2.22
		1023	7767.13	66.45	-1407.82	-1407.81	66.44	-3.61	3.51	-25.05	-19.42	-2.11	-11.36
		1041	7572.79	66.45	-1416.80	-1416.79	66.44	-3.61	-8.67	-37.60	-23.62	-22.65	-14.45
		1040	6360.90	94.73	-1403.46	-1403.11	94.37	-23.16	-4.88	-15.52	-9.93	-10.48	-5.31
698	2	1022	6919.84	98.15	-1402.79	-1402.43	97.80	-23.04	10.26	-5.56	-5.37	10.07	-1.73
		1023	7829.57	69.91	-1416.11	-1416.11	69.90	-3.51	2.55	-25.99	-20.20	-3.25	-11.48
		1041	7628.71	69.91	-1417.83	-1417.82	69.90	-3.51	-9.91	-40.03	-24.57	-25.38	-15.06
		1040	6291.03	98.15	-1404.50	-1404.15	97.80	-23.04	-5.47	-16.33	-9.74	-12.06	-5.30
698	3	1022	6839.31	97.94	-1401.68	-1401.01	97.27	-31.77	6.50	-8.07	-7.08	5.50	-3.67
		1023	7670.12	66.49	-1416.19	-1416.12	66.42	-10.17	1.40	-25.94	-19.28	-5.26	-11.73
		1041	7451.86	66.49	-1398.94	-1398.87	66.42	-10.17	-8.21	-37.14	-22.79	-22.56	-14.47
		1040	6344.08	97.95	-1384.43	-1383.75	97.27	-31.77	-4.76	-17.63	-10.58	-11.80	-6.41
698	4	1022	6793.70	97.47	-1392.24	-1391.95	97.19	-20.55	6.50	-8.08	-7.07	5.49	-3.69
		1023	7609.76	66.19	-1407.14	-1407.14	66.19	1.14	1.44	-25.86	-19.21	-5.21	-11.72
		1041	7399.15	66.19	-1393.00	-1393.00	66.19	1.14	-8.14	-37.00	-22.71	-22.42	-14.43
		1040	6307.41	97.47	-1378.10	-1377.81	97.19	-20.55	-4.73	-17.57	-10.58	-11.72	-6.40
698	5	1022	7264.19	121.80	-1587.52	-1586.81	121.09	-34.86	-1.60	-8.88	-7.96	-2.52	-2.42
		1023	8472.21	87.61	-1603.33	-1603.26	87.53	-11.37	-9.05	-35.78	-25.15	-19.68	-13.08
		1041	8451.47	87.61	-1535.34	-1535.26	87.53	-11.37	-14.89	-55.26	-29.10	-41.05	-19.28
		1040	6866.70	121.83	-1519.56	-1518.82	121.09	-34.86	-7.41	-28.39	-11.91	-23.89	-8.62
698	6	1022	6918.98	95.54	-1392.94	-1392.72	95.32	-18.22	10.51	-6.02	-5.71	10.21	-2.23
		1023	7760.96	66.38	-1406.90	-1406.90	66.38	2.04	3.66	-25.02	-19.41	-1.94	-11.38
		1041	7557.04	66.38	-1415.41	-1415.41	66.38	2.04	-8.62	-37.52	-23.61	-22.53	-14.44
		1040	6351.80	95.54	-1401.45	-1401.23	95.32	-18.22	-4.85	-15.44	-9.91	-10.38	-5.29
698	7	1022	6750.59	94.74	-1373.88	-1373.40	94.27	-26.44	8.52	-6.54	-6.04	8.02	-2.68
		1023	7602.69	65.41	-1387.58	-1387.56	65.38	-6.22	2.34	-25.25	-19.24	-3.68	-11.40
		1041	7395.90	65.41	-1382.70	-1382.67	65.38	-6.22	-8.66	-37.49	-23.11	-23.03	-14.41
		1040	6205.95	94.74	-1368.99	-1368.52	94.27	-26.44	-4.89	-16.37	-9.92	-11.34	-5.69
698	8	1022	5265.38	75.17	-1079.51	-1078.98	74.63	-24.79	4.89	-6.31	-5.51	4.09	-2.89
		1023	5900.95	50.79	-1090.74	-1090.69	50.73	-8.06	1.04	-19.96	-14.81	-4.11	-9.04
		1041	5735.64	50.79	-1077.61	-1077.55	50.73	-8.06	-6.26	-28.49	-17.49	-17.26	-11.11
		1040	4891.68	75.17	-1066.38	-1065.84	74.63	-24.79	-3.64	-13.61	-8.18	-9.06	-4.97
698	9	1022	4891.52	67.76	-988.51	-988.23	67.48	-17.06	7.01	-4.39	-4.14	6.77	-1.67
		1023	5497.02	47.52	-998.03	-998.02	47.51	-3.07	2.27	-17.87	-13.79	-1.81	-8.09
		1041	5353.36	47.52	-1001.02	-1001.01	47.51	-3.07	-6.18	-26.75	-16.72	-16.21	-10.28
		1040	4494.22	67.76	-991.50	-991.22	67.48	-17.06	-3.48	-11.21	-7.06	-7.63	-3.85
698	10	1022	4847.77	69.54	-992.50	-992.06	69.09	-21.84	4.86	-5.51	-4.89	4.23	-2.47
		1023	5443.28	47.54	-1002.68	-1002.64	47.49	-6.72	1.09	-18.37	-13.72	-3.56	-8.30
		1041	5286.29	47.54	-991.10	-991.05	47.49	-6.72	-5.92	-26.50	-16.26	-16.16	-10.29
		1040	4485.08	69.55	-980.92	-980.47	69.09	-21.84	-3.41	-12.39	-7.43	-8.37	-4.46
698	11	1022	4892.01	68.21	-987.64	-987.45	68.01	-14.31	7.09	-4.38	-4.13	6.84	-1.67

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		1023	5493.50	47.47	-997.51	-997.51	47.47	0.07	2.35	-17.85	-13.79	-1.72	-8.10
		1041	5344.52	47.47	-1000.24	-1000.24	47.47	0.07	-6.15	-26.71	-16.71	-16.14	-10.27
		1040	4489.03	68.21	-990.37	-990.18	68.01	-14.31	-3.47	-11.17	-7.06	-7.58	-3.84
699	1	1021	5067.40	74.26	-976.23	-975.44	73.47	28.86	18.00	1.34	1.74	17.60	2.54
		1022	5854.94	51.48	-989.20	-987.19	49.48	45.65	5.70	-20.73	-16.50	1.47	-9.69
		1040	5703.70	51.46	-1000.40	-998.42	49.48	45.65	-10.08	-37.70	-22.11	-25.67	-13.70
		1039	4331.42	74.25	-987.45	-986.66	73.47	28.86	-3.52	-9.89	-3.87	-9.53	-1.46
699	2	1021	5086.20	74.16	-982.81	-982.01	73.36	29.15	18.41	1.57	2.12	17.85	3.01
		1022	5901.48	52.59	-995.08	-993.14	50.65	45.05	4.93	-21.48	-17.15	0.60	-9.77
		1040	5773.73	52.58	-998.40	-996.46	50.65	45.05	-10.87	-39.88	-22.91	-27.85	-14.29
		1039	4420.31	74.16	-986.13	-985.33	73.36	29.15	-3.32	-10.91	-3.63	-10.60	-1.51
699	3	1021	4840.80	71.65	-974.27	-973.91	71.30	19.36	14.06	0.81	0.92	13.95	1.19
		1022	5743.00	49.21	-986.57	-985.34	47.97	35.69	3.91	-21.73	-16.44	-1.38	-10.37
		1040	5632.24	49.22	-978.17	-976.93	47.97	35.69	-9.58	-38.41	-21.59	-26.41	-14.21
		1039	4330.00	71.66	-965.86	-965.50	71.30	19.36	-3.33	-11.98	-4.24	-11.08	-2.65
699	4	1021	4833.89	80.24	-962.89	-961.98	79.33	30.79	14.41	0.96	1.09	14.28	1.31
		1022	5696.53	55.03	-977.43	-975.05	52.65	49.46	4.03	-21.70	-16.45	-1.22	-10.37
		1040	5598.15	55.03	-977.08	-974.71	52.65	49.46	-9.64	-38.60	-21.66	-26.58	-14.27
		1039	4358.83	80.24	-962.54	-961.63	79.33	30.79	-3.26	-11.94	-4.12	-11.08	-2.59
699	5	1021	4970.38	64.65	-1083.25	-1082.80	64.21	22.52	11.41	0.90	1.69	10.62	2.77
		1022	6194.64	47.33	-1092.68	-1091.60	46.25	35.09	-3.60	-28.51	-20.81	-11.31	-11.52
		1040	6502.75	47.39	-1041.56	-1040.43	46.25	35.09	-13.50	-53.93	-26.51	-40.92	-18.89
		1039	5191.85	64.67	-1032.10	-1031.64	64.21	22.52	-2.71	-20.29	-4.01	-18.99	-4.60
699	6	1021	5068.24	77.02	-973.77	-972.58	75.82	35.40	17.98	1.35	1.74	17.59	2.50
		1022	5842.41	54.98	-986.64	-984.06	52.39	51.80	5.83	-20.70	-16.45	1.58	-9.73
		1040	5684.32	54.94	-1000.59	-998.04	52.39	51.80	-10.10	-37.57	-22.09	-25.59	-13.63
		1039	4342.17	77.00	-987.74	-986.56	75.82	35.40	-3.57	-9.91	-3.90	-9.58	-1.40
699	7	1021	4876.64	71.81	-958.83	-958.28	71.26	23.79	16.13	1.23	1.51	15.85	2.03
		1022	5714.18	49.32	-971.40	-969.81	47.73	40.26	4.64	-21.02	-16.38	-3.65e-03	-9.88
		1040	5590.84	49.32	-971.59	-970.00	47.73	40.26	-9.91	-38.06	-21.74	-26.23	-13.89
		1039	4280.60	71.81	-959.01	-958.46	71.26	23.79	-3.30	-10.93	-3.85	-10.38	-1.99
699	8	1021	3721.66	55.07	-750.04	-749.77	54.80	14.53	10.71	0.59	0.67	10.63	0.87
		1022	4417.62	37.63	-759.58	-758.65	36.70	27.20	2.99	-16.73	-12.63	-1.11	-8.00
		1040	4334.96	37.64	-753.45	-752.51	36.70	27.20	-7.34	-29.52	-16.58	-20.27	-10.93
		1039	3332.78	55.07	-743.90	-743.64	54.80	14.53	-2.57	-9.25	-3.28	-8.53	-2.07
699	9	1021	3569.19	52.41	-691.54	-691.02	51.88	19.71	12.43	0.93	1.19	12.17	1.71
		1022	4139.74	36.45	-700.58	-699.24	35.11	31.45	3.84	-14.82	-11.72	0.75	-6.94
		1040	4034.88	36.44	-705.71	-704.37	35.11	31.45	-7.14	-26.91	-15.67	-18.38	-9.79
		1039	3071.00	52.40	-696.67	-696.15	51.88	19.71	-2.46	-7.25	-2.75	-6.96	-1.14
699	10	1021	3443.22	50.96	-690.45	-690.17	50.68	14.43	10.24	0.64	0.73	10.15	0.96
		1022	4077.83	35.19	-699.13	-698.21	34.27	25.92	2.85	-15.37	-11.69	-0.83	-7.31
		1040	3995.64	35.20	-693.36	-692.43	34.27	25.92	-6.87	-27.30	-15.38	-18.79	-10.07
		1039	3070.43	50.96	-684.68	-684.39	50.68	14.43	-2.36	-8.41	-2.96	-7.81	-1.80
699	11	1021	3569.50	53.93	-690.16	-689.43	53.19	23.34	12.42	0.94	1.19	12.17	1.68
		1022	4132.61	38.38	-699.15	-697.50	36.73	34.87	3.91	-14.80	-11.70	0.81	-6.96
		1040	4023.86	38.36	-705.80	-704.17	36.73	34.87	-7.16	-26.83	-15.65	-18.34	-9.75
		1039	3077.07	53.92	-696.82	-696.10	53.19	23.34	-2.49	-7.26	-2.77	-6.98	-1.11
700	1	187	2807.14	53.26	-421.89	-401.19	32.56	96.99	17.86	3.66	5.51	16.00	4.79
		1021	2718.72	33.80	-446.50	-415.68	2.98	117.69	4.81	-12.59	-9.76	1.99	-6.42
		1039	3103.83	32.61	-464.52	-434.89	2.98	117.69	-7.43	-26.82	-15.39	-18.86	-9.54
		191	2073.00	52.45	-440.29	-420.40	32.56	96.99	0.42	-5.38	-0.11	-4.85	1.67
700	2	187	2855.07	49.91	-424.21	-403.68	29.39	96.49	18.72	3.82	5.96	16.58	5.23
		1021	2744.31	30.34	-448.90	-418.24	-0.32	117.29	4.36	-13.11	-10.25	1.51	-6.46
		1039	3225.95	29.78	-457.33	-427.23	-0.32	117.29	-7.84	-28.51	-15.97	-20.38	-10.10
		191	2100.33	49.53	-432.81	-412.67	29.39	96.49	0.67	-5.73	0.25	-5.31	1.59
700	3	187	2526.96	56.43	-399.10	-382.90	40.23	84.36	15.79	4.07	5.61	14.25	3.96
		1021	2596.25	31.16	-429.41	-401.18	2.93	110.47	3.78	-13.87	-9.93	-0.16	-7.35
		1039	3320.92	30.15	-445.44	-418.23	2.93	110.47	-7.19	-29.35	-15.52	-21.02	-10.73
		191	2170.64	55.84	-415.57	-399.95	40.23	84.36	0.07	-6.66	0.02	-6.61	0.57
700	4	187	2687.47	81.89	-386.77	-368.67	63.79	90.31	17.32	4.44	6.20	15.56	4.43
		1021	2619.23	50.69	-426.56	-392.01	16.14	123.66	4.10	-14.00	-10.18	0.29	-7.38
		1039	3519.94	48.57	-455.38	-422.95	16.14	123.66	-7.47	-30.46	-15.98	-21.96	-11.10
		191	2283.41	80.77	-416.58	-399.60	63.79	90.31	0.48	-6.76	0.41	-6.69	0.71
700	5	187	2775.16	43.47	-427.67	-410.12	25.91	89.23	19.98	5.12	8.48	16.61	6.22
		1021	2808.78	13.17	-465.50	-432.52	-19.81	121.24	0.09	-18.54	-13.20	-5.25	-8.43
		1039	4524.62	14.22	-451.76	-417.73	-19.81	121.24	-9.25	-43.00	-19.64	-32.61	-15.58
		191	2657.27	44.04	-413.45	-395.32	25.91	89.23	2.11	-10.81	2.04	-10.75	-0.93
700	6	187	2906.07	92.77	-402.61	-385.46	75.62	90.58	18.20	3.68	5.61	16.27	4.93
		1021	2745.44	54.78	-450.02	-413.54	18.30	130.70	4.83	-12.63	-9.83	2.02	-6.41
		1039	3251.14	52.61	-479.57	-445.27	18.30	130.70	-7.54	-27.14	-15.54	-19.13	-9.64
		191	2177.52	91.74	-433.30	-417.18	75.62	90.58	0.44	-5.42	-0.11	-4.88	1.70
700	7	187	2630.88	47.28	-407.90	-388.90	28.28	91.03	16.80	3.85	5.58	15.07	4.41

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1021	2619.66	28.61	-431.08	-402.67	0.20	110.69	4.16	-13.08	-9.80	0.88	-6.77
		1039	3166.43	27.80	-443.62	-416.02	0.20	110.69	-7.31	-27.95	-15.33	-19.93	-10.06
		191	2078.23	46.74	-420.71	-402.25	28.28	91.03	0.26	-5.95	0.06	-5.74	1.11
700	8	187	1939.02	44.43	-306.13	-293.89	32.19	64.34	12.09	3.14	4.31	10.92	3.02
		1021	1995.42	24.38	-330.08	-308.36	2.67	85.01	2.90	-10.69	-7.63	-0.16	-5.68
		1039	2560.82	23.55	-343.36	-322.48	2.67	85.01	-5.52	-22.61	-11.93	-16.19	-8.28
		191	1675.62	43.95	-319.77	-308.01	32.19	64.34	0.04	-5.15	4.25e-03	-5.11	0.42
700	9	187	1962.76	36.54	-297.77	-283.31	22.08	68.01	12.49	2.64	3.94	11.19	3.33
		1021	1914.85	22.94	-314.90	-293.42	1.45	82.45	3.29	-9.06	-6.96	1.19	-4.64
		1039	2221.02	22.20	-326.13	-305.38	1.45	82.45	-5.27	-19.31	-10.94	-13.64	-6.89
		191	1474.75	36.04	-309.23	-295.27	22.08	68.01	0.25	-3.93	-0.04	-3.63	1.08
700	10	187	1806.94	38.28	-285.10	-273.15	26.34	60.99	11.34	2.87	3.99	10.22	2.87
		1021	1847.52	21.47	-305.41	-285.36	1.42	78.44	2.72	-9.77	-7.05	-6.43e-03	-5.16
		1039	2341.78	20.83	-315.53	-296.12	1.42	78.44	-5.13	-20.72	-11.01	-14.84	-7.56
		191	1529.19	37.90	-295.47	-283.91	26.34	60.99	0.07	-4.66	0.03	-4.61	0.47
700	11	187	2017.25	58.47	-287.04	-274.57	46.00	64.45	12.68	2.65	3.99	11.35	3.41
		1021	1928.52	34.57	-316.83	-292.23	9.96	89.68	3.29	-9.08	-6.99	1.20	-4.63
		1039	2302.82	33.31	-334.49	-311.14	9.96	89.68	-5.32	-19.49	-11.03	-13.79	-6.95
		191	1532.51	57.82	-305.31	-293.48	46.00	64.45	0.26	-3.95	-0.04	-3.65	1.10
701	1	985	5760.93	40.42	-1124.36	-1123.29	39.36	-35.17	22.30	2.54	2.57	22.27	-0.75
		986	6993.81	-13.10	-1149.00	-1149.00	-13.10	1.55	13.12	-23.43	-17.61	7.30	-13.38
		1004	6015.68	-13.10	-1003.39	-1003.38	-13.10	1.55	-6.86	-38.47	-22.54	-22.80	-15.81
		1003	4221.93	40.57	-978.89	-977.68	39.36	-35.17	-0.91	-9.29	-2.37	-7.83	-3.18
701	2	985	5813.25	41.05	-1132.94	-1132.11	40.22	-31.33	22.51	2.51	2.54	22.49	-0.71
		986	7035.30	-11.09	-1157.27	-1157.26	-11.11	4.60	13.32	-23.37	-17.61	7.56	-13.35
		1004	6035.58	-11.09	-1011.40	-1011.38	-11.11	4.60	-6.83	-38.30	-22.57	-22.56	-15.74
		1003	4241.31	41.17	-987.19	-986.23	40.22	-31.33	-0.98	-9.08	-2.42	-7.64	-3.10
701	3	985	5913.07	41.66	-1157.05	-1156.36	40.98	-28.56	23.07	2.88	2.89	23.07	-0.22
		986	7171.47	-10.60	-1181.71	-1181.66	-10.65	7.57	12.85	-24.20	-18.38	7.03	-13.49
		1004	6159.97	-10.59	-1023.22	-1023.16	-10.65	7.57	-7.75	-40.42	-23.54	-24.63	-16.33
		1003	4363.07	41.76	-998.65	-997.87	40.98	-28.56	-1.04	-9.83	-2.28	-8.59	-3.06
701	4	985	5905.43	42.25	-1156.47	-1155.87	41.65	-26.72	22.79	2.74	2.75	22.79	-0.37
		986	7149.25	-12.00	-1182.32	-1182.21	-12.10	10.91	12.75	-24.16	-18.30	6.89	-13.49
		1004	6113.14	-11.98	-1015.25	-1015.13	-12.10	10.91	-7.50	-40.16	-23.38	-24.29	-16.32
		1003	4314.74	42.34	-989.48	-988.79	41.65	-26.72	-0.95	-9.77	-2.33	-8.39	-3.20
701	5	985	6992.43	51.35	-1328.53	-1328.40	51.21	13.63	28.69	2.94	3.01	28.62	1.32
		986	8145.02	2.97	-1354.64	-1352.89	1.22	48.62	16.44	-24.56	-19.77	11.65	-13.18
		1004	6770.36	3.22	-1180.31	-1178.31	1.22	48.62	-8.48	-40.22	-25.69	-23.01	-15.81
		1003	4787.08	51.37	-1153.97	-1153.82	51.21	13.63	-2.43	-6.52	-2.91	-6.04	-1.32
701	6	985	5775.16	40.72	-1129.11	-1128.25	39.87	-31.67	22.18	2.49	2.52	22.15	-0.82
		986	7004.49	-12.61	-1154.00	-1153.98	-12.63	5.07	13.09	-23.48	-17.61	7.22	-13.42
		1004	6015.45	-12.60	-1006.10	-1006.07	-12.63	5.07	-6.83	-38.50	-22.53	-22.81	-15.84
		1003	4236.98	40.85	-981.33	-980.35	39.87	-31.67	-0.89	-9.38	-2.39	-7.88	-3.23
701	7	985	5733.63	40.87	-1123.58	-1122.60	39.88	-33.81	21.86	2.46	2.50	21.82	-0.86
		986	6970.76	-12.03	-1148.05	-1148.04	-12.03	2.54	12.83	-23.51	-17.59	6.91	-13.41
		1004	5980.37	-12.03	-995.16	-995.15	-12.03	2.54	-6.84	-38.55	-22.45	-22.94	-15.86
		1003	4207.64	41.01	-970.84	-969.71	39.88	-33.81	-0.84	-9.56	-2.36	-8.03	-3.31
701	8	985	4561.09	32.07	-890.82	-890.29	31.55	-22.03	17.96	2.29	2.29	17.96	-0.12
		986	5531.94	-8.22	-909.84	-909.80	-8.25	5.83	10.01	-18.66	-14.18	5.53	-10.40
		1004	4749.94	-8.21	-788.05	-788.00	-8.25	5.83	-6.00	-31.22	-18.19	-19.03	-12.60
		1003	3362.72	32.15	-769.11	-768.50	31.55	-22.03	-0.79	-7.53	-1.72	-6.60	-2.32
701	9	985	4090.79	28.82	-800.71	-800.00	28.11	-24.25	15.65	1.75	1.77	15.63	-0.54
		986	4965.89	-8.95	-818.16	-818.16	-8.95	1.69	9.15	-16.68	-12.52	5.00	-9.49
		1004	4271.53	-8.95	-712.97	-712.96	-8.95	1.69	-4.91	-27.38	-16.01	-16.28	-11.23
		1003	3003.69	28.92	-695.62	-694.81	28.11	-24.25	-0.66	-6.70	-1.71	-5.64	-2.29
701	10	985	4175.13	29.50	-818.87	-818.37	29.01	-20.58	16.08	1.95	1.95	16.07	-0.25
		986	5064.64	-7.56	-836.33	-836.30	-7.59	5.04	9.00	-17.11	-12.95	4.84	-9.55
		1004	4351.67	-7.55	-723.99	-723.95	-7.59	5.04	-5.40	-28.46	-16.56	-17.30	-11.52
		1003	3082.15	29.58	-706.60	-706.02	29.01	-20.58	-0.74	-6.99	-1.66	-6.07	-2.22
701	11	985	4098.73	28.99	-803.35	-802.75	28.39	-22.31	15.59	1.73	1.75	15.56	-0.58
		986	4971.85	-8.67	-820.94	-820.92	-8.69	3.65	9.13	-16.70	-12.53	4.95	-9.51
		1004	4271.40	-8.67	-714.48	-714.46	-8.69	3.65	-4.89	-27.39	-16.00	-16.28	-11.25
		1003	3012.10	29.07	-696.98	-696.29	28.39	-22.31	-0.65	-6.75	-1.73	-5.67	-2.32
702	1	1011	2826.02	-29.22	-353.41	-346.22	-36.41	47.75	-7.07	-27.36	-14.74	-19.69	-9.84
		184	1697.93	-6.13	-335.03	-332.58	-8.58	28.27	0.44	-6.19	0.29	-6.04	1.00
		188	2089.97	-6.26	-352.57	-350.25	-8.58	28.27	15.62	3.88	5.53	13.98	4.08
		1029	2444.45	-29.59	-370.71	-363.89	-36.41	47.75	3.77	-12.94	-9.50	0.33	-6.76
702	2	1011	2848.35	-31.59	-352.68	-345.90	-38.37	46.15	-7.00	-27.61	-14.75	-19.86	-9.99
		184	1703.72	-9.24	-335.08	-332.77	-11.56	27.39	0.36	-6.39	0.25	-6.28	0.86
		188	2041.91	-9.35	-351.19	-348.98	-11.56	27.39	15.28	3.98	5.51	13.74	3.87
		1029	2442.58	-31.92	-368.57	-362.12	-38.37	46.15	3.82	-13.14	-9.49	0.16	-6.97
702	3	1011	2964.43	-32.50	-357.53	-350.22	-39.81	48.18	-7.65	-29.19	-15.54	-21.29	-10.38

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		184	1748.83	-9.98	-339.47	-336.88	-12.58	29.12	0.87	-6.34	0.69	-6.16	1.12
		188	2222.19	-10.16	-363.21	-360.79	-12.58	29.12	17.29	3.92	6.11	15.10	4.95
		1029	2508.11	-33.01	-380.94	-374.13	-39.81	48.18	3.19	-13.35	-10.13	-0.03	-6.55
702	4	1011	3048.22	-20.24	-383.98	-377.57	-26.65	47.86	-7.82	-29.52	-15.80	-21.54	-10.46
		184	1883.24	3.83	-365.81	-363.68	1.70	28.01	0.84	-6.33	0.62	-6.12	1.22
		188	2317.09	3.85	-363.30	-361.16	1.70	28.01	17.87	3.91	6.19	15.59	5.17
		1029	2551.47	-20.20	-381.50	-375.05	-26.65	47.86	3.30	-13.37	-10.23	0.16	-6.51
702	5	1011	3653.82	-46.60	-385.09	-380.64	-51.04	38.52	-7.75	-37.22	-17.39	-27.58	-13.83
		184	2155.10	-28.86	-372.32	-370.61	-30.57	24.19	0.92	-10.35	0.85	-10.28	-0.91
		188	1915.84	-28.79	-360.60	-358.83	-30.57	24.19	15.33	5.36	6.98	13.71	3.68
		1029	2654.17	-46.44	-373.46	-368.86	-51.04	38.52	2.58	-17.43	-11.26	-3.60	-9.25
702	6	1011	2932.59	-16.47	-382.36	-376.42	-22.41	46.24	-7.21	-27.75	-15.06	-19.90	-9.98
		184	1842.21	8.43	-364.01	-362.20	6.62	25.92	0.48	-6.03	0.29	-5.84	1.10
		188	2218.77	8.47	-355.56	-353.70	6.62	25.92	16.56	3.96	5.70	14.82	4.35
		1029	2519.36	-16.33	-374.01	-367.93	-22.41	46.24	4.06	-12.95	-9.65	0.76	-6.73
702	7	1011	2814.30	-29.20	-353.75	-346.46	-36.49	48.09	-7.17	-27.17	-14.76	-19.58	-9.70
		184	1685.25	-6.02	-335.23	-332.75	-8.51	28.50	0.58	-5.95	0.37	-5.74	1.16
		188	2136.96	-6.15	-352.89	-350.54	-8.51	28.50	16.16	3.78	5.60	14.33	4.38
		1029	2440.27	-29.58	-371.16	-364.25	-36.49	48.09	3.68	-12.71	-9.52	0.50	-6.48
702	8	1011	2289.42	-25.10	-275.03	-269.40	-30.73	37.08	-5.91	-22.59	-12.00	-16.50	-8.03
		184	1349.68	-7.79	-261.14	-259.14	-9.79	22.42	0.69	-4.91	0.56	-4.78	0.85
		188	1713.00	-7.93	-279.74	-277.88	-9.79	22.42	13.35	3.03	4.73	11.65	3.84
		1029	1932.06	-25.50	-293.38	-288.14	-30.73	37.08	2.42	-10.31	-7.82	-0.07	-5.05
702	9	1011	2009.48	-20.94	-251.43	-246.32	-26.06	33.95	-5.05	-19.44	-10.50	-13.99	-6.98
		184	1205.04	-4.58	-238.39	-236.65	-6.32	20.14	0.34	-4.36	0.22	-4.24	0.74
		188	1495.61	-4.67	-251.05	-249.40	-6.32	20.14	11.22	2.74	3.95	10.01	2.96
		1029	1738.93	-21.21	-263.91	-259.07	-26.06	33.95	2.66	-9.17	-6.77	0.26	-4.76
702	10	1011	2086.12	-22.77	-253.72	-248.54	-27.95	34.20	-5.37	-20.46	-10.94	-14.89	-7.28
		184	1233.37	-6.72	-240.86	-239.03	-8.54	20.61	0.58	-4.44	0.45	-4.31	0.81
		188	1569.02	-6.83	-256.96	-255.25	-8.54	20.61	12.14	2.76	4.27	10.64	3.44
		1029	1774.32	-23.11	-269.60	-264.76	-27.95	34.20	2.34	-9.40	-7.12	0.06	-4.64
702	11	1011	2068.34	-13.88	-267.50	-263.10	-18.28	33.12	-5.13	-19.66	-10.67	-14.11	-7.06
		184	1285.23	3.50	-254.48	-253.10	2.12	18.84	0.37	-4.27	0.22	-4.13	0.80
		188	1567.04	3.51	-252.70	-251.31	2.12	18.84	11.74	2.79	4.05	10.48	3.11
		1029	1780.46	-13.85	-265.74	-261.31	-18.28	33.12	2.83	-9.18	-6.85	0.50	-4.74
703	1	1010	5518.15	-14.35	-919.45	-919.09	-14.71	-18.13	-9.82	-37.57	-21.36	-26.03	-13.68
		1011	3924.31	27.58	-901.78	-899.49	25.29	-46.13	-3.12	-11.07	-3.65	-10.54	-1.98
		1029	4523.57	27.53	-922.42	-920.18	25.29	-46.13	15.45	1.25	1.50	15.20	1.87
		1028	5557.96	-14.36	-940.13	-939.78	-14.71	-18.13	4.39	-20.89	-16.21	-0.29	-9.82
703	2	1010	5541.63	-15.82	-921.20	-920.67	-16.35	-21.87	-9.67	-37.66	-21.34	-25.99	-13.80
		1011	3925.90	25.10	-904.24	-901.64	22.50	-49.07	-3.11	-11.27	-3.72	-10.65	-2.15
		1029	4517.05	25.04	-925.64	-923.10	22.50	-49.07	15.12	1.22	1.41	14.94	1.61
		1028	5579.18	-15.83	-942.65	-942.13	-16.35	-21.87	4.47	-21.08	-16.21	-0.40	-10.04
703	3	1010	5684.09	-15.19	-939.40	-938.99	-15.60	-19.46	-10.78	-39.75	-22.29	-28.24	-14.17
		1011	4066.08	26.88	-921.72	-919.34	24.50	-47.53	-3.14	-11.92	-3.60	-11.47	-1.95
		1029	4596.89	26.83	-945.71	-943.38	24.50	-47.53	15.72	1.20	1.68	15.24	2.60
		1028	5655.77	-15.20	-963.43	-963.03	-15.60	-19.46	3.08	-21.62	-17.01	-1.54	-9.63
703	4	1010	5746.81	-3.75	-954.81	-954.57	-3.99	-15.15	-10.98	-40.18	-22.53	-28.63	-14.28
		1011	4174.16	41.21	-935.56	-933.45	39.11	-45.32	-3.12	-11.95	-3.52	-11.54	-1.85
		1029	4660.53	41.19	-945.48	-943.39	39.11	-45.32	16.29	1.32	1.87	15.75	2.80
		1028	5693.51	-3.76	-964.75	-964.51	-3.99	-15.15	3.21	-21.69	-17.13	-1.34	-9.63
703	5	1010	6361.30	-18.51	-1012.33	-1010.22	-20.62	-45.78	-10.73	-46.67	-24.01	-33.40	-17.35
		1011	4540.74	19.24	-997.96	-993.08	14.36	-70.27	-2.90	-17.33	-4.50	-15.74	-4.52
		1029	4642.94	19.15	-1016.06	-1011.27	14.36	-70.27	11.22	0.98	0.99	11.21	0.31
		1028	6068.36	-18.55	-1030.49	-1028.41	-20.62	-45.78	1.40	-26.38	-18.53	-6.45	-12.51
703	6	1010	5596.36	-2.65	-937.87	-937.66	-2.86	-14.03	-9.95	-37.97	-21.61	-26.31	-13.81
		1011	4037.50	43.11	-918.24	-916.15	41.03	-44.75	-3.06	-10.93	-3.54	-10.45	-1.88
		1029	4610.07	43.10	-924.22	-922.15	41.03	-44.75	16.25	1.42	1.73	15.95	2.10
		1028	5615.24	-2.65	-943.86	-943.65	-2.86	-14.03	4.67	-20.93	-16.34	0.09	-9.82
703	7	1010	5503.01	-14.53	-917.71	-917.36	-14.88	-17.74	-10.00	-37.50	-21.38	-26.12	-13.54
		1011	3915.16	26.91	-900.20	-897.97	24.68	-45.44	-3.14	-10.87	-3.58	-10.43	-1.80
		1029	4514.43	26.87	-918.81	-916.62	24.68	-45.44	15.73	1.24	1.58	15.39	2.20
		1028	5528.16	-14.54	-936.35	-936.01	-14.88	-17.74	4.17	-20.68	-16.22	-0.30	-9.54
703	8	1010	4380.45	-11.66	-723.44	-723.13	-11.97	-14.93	-8.34	-30.71	-17.19	-21.86	-10.94
		1011	3136.09	20.81	-709.80	-707.97	18.97	-36.60	-2.41	-9.25	-2.77	-8.89	-1.51
		1029	3538.23	20.76	-728.67	-726.88	18.97	-36.60	12.06	0.92	1.30	11.69	2.02
		1028	4355.20	-11.67	-742.35	-742.04	-11.97	-14.93	2.29	-16.69	-13.12	-1.28	-7.41
703	9	1010	3925.12	-10.31	-653.92	-653.66	-10.57	-13.01	-7.03	-26.74	-15.21	-18.55	-9.71
		1011	2790.79	19.35	-641.43	-639.79	17.72	-32.81	-2.22	-7.85	-2.58	-7.48	-1.38
		1029	3217.01	19.32	-655.81	-654.21	17.72	-32.81	11.05	0.89	1.08	10.85	1.40
		1028	3950.09	-10.31	-668.33	-668.07	-10.57	-13.01	3.08	-14.83	-11.54	-0.22	-6.94
703	10	1010	4017.16	-10.78	-665.00	-664.71	-11.06	-13.75	-7.56	-27.95	-15.73	-19.78	-9.99

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		1011	2869.52	18.97	-652.51	-650.82	17.28	-33.59	-2.24	-8.32	-2.56	-8.00	-1.36
		1029	3257.77	18.93	-668.75	-667.10	17.28	-33.59	11.20	0.86	1.19	10.87	1.80
		1028	4004.34	-10.78	-681.27	-680.99	-11.06	-13.75	2.34	-15.24	-11.99	-0.91	-6.83
703	11	1010	3968.49	-3.81	-664.15	-663.97	-3.99	-10.73	-7.10	-26.96	-15.35	-18.71	-9.79
		1011	2853.66	27.98	-650.57	-649.05	26.46	-32.04	-2.19	-7.77	-2.52	-7.44	-1.32
		1029	3265.05	27.97	-656.81	-655.31	26.46	-32.04	11.49	0.98	1.21	11.27	1.53
		1028	3981.86	-3.81	-670.40	-670.23	-3.99	-10.73	3.23	-14.86	-11.62	-8.37e-03	-6.94
704	1	1009	7343.33	-0.17	-1362.48	-1360.47	-2.18	-52.32	-8.77	-37.20	-23.00	-22.97	-14.22
		1010	6061.90	45.96	-1344.21	-1339.29	41.03	-82.57	-5.02	-16.17	-9.71	-11.48	-5.51
		1028	6564.68	45.92	-1354.24	-1349.36	41.03	-82.57	8.58	-6.40	-5.90	8.07	-2.69
		1027	7510.59	-0.18	-1372.53	-1370.53	-2.18	-52.32	2.56	-25.17	-19.20	-3.41	-11.41
704	2	1009	7375.94	-0.34	-1367.02	-1364.61	-2.75	-57.34	-8.53	-37.11	-22.95	-22.69	-14.29
		1010	6103.58	45.19	-1349.26	-1343.80	39.73	-87.08	-4.88	-16.37	-9.81	-11.44	-5.69
		1028	6604.95	45.13	-1362.33	-1356.93	39.73	-87.08	8.41	-6.70	-6.08	7.80	-2.99
		1027	7556.60	-0.36	-1380.12	-1377.74	-2.75	-57.34	2.67	-25.35	-19.22	-3.46	-11.59
704	3	1009	7513.93	1.07	-1393.39	-1391.31	-1.01	-53.78	-10.18	-39.49	-23.99	-25.67	-14.63
		1010	6155.00	47.56	-1374.97	-1369.96	42.55	-84.27	-5.85	-17.35	-10.01	-13.19	-5.53
		1028	6624.94	47.53	-1382.26	-1377.27	42.55	-84.27	7.40	-6.43	-6.08	7.05	-2.16
		1027	7611.19	1.06	-1400.68	-1398.62	-1.01	-53.78	0.69	-26.18	-20.07	-5.43	-11.27
704	4	1009	7541.84	6.60	-1403.12	-1401.81	5.29	-42.93	-10.32	-39.84	-24.16	-26.00	-14.73
		1010	6178.75	59.12	-1381.69	-1377.49	54.92	-77.67	-5.89	-17.31	-9.94	-13.26	-5.46
		1028	6625.51	59.13	-1375.44	-1371.23	54.92	-77.67	7.70	-6.21	-5.92	7.41	-2.00
		1027	7598.79	6.61	-1396.86	-1395.54	5.29	-42.93	0.75	-26.21	-20.13	-5.33	-11.27
704	5	1009	8328.10	8.26	-1530.92	-1525.72	3.07	-89.30	-9.95	-44.67	-25.56	-29.05	-17.27
		1010	6959.29	57.74	-1512.91	-1503.53	48.36	-121.01	-5.83	-23.67	-12.25	-17.25	-8.56
		1028	7252.87	57.62	-1532.93	-1523.67	48.36	-121.01	2.83	-11.28	-8.69	0.24	-5.46
		1027	8353.27	8.20	-1550.99	-1545.86	3.07	-89.30	-1.68	-31.88	-22.01	-11.56	-14.17
704	6	1009	7385.68	4.69	-1374.96	-1373.63	3.36	-42.84	-8.82	-37.44	-23.14	-23.12	-14.31
		1010	6103.29	56.47	-1353.90	-1349.68	52.25	-77.06	-4.99	-16.03	-9.63	-11.39	-5.45
		1028	6583.59	56.48	-1350.55	-1346.31	52.25	-77.06	9.00	-6.18	-5.74	8.57	-2.54
		1027	7515.60	4.70	-1371.61	-1370.27	3.36	-42.84	2.74	-25.16	-19.25	-3.17	-11.40
704	7	1009	7318.64	-5.56e-03	-1358.70	-1356.73	-1.98	-51.72	-9.06	-37.27	-23.04	-23.29	-14.11
		1010	6030.70	45.47	-1340.66	-1335.84	40.66	-81.56	-5.21	-16.03	-9.66	-11.58	-5.32
		1028	6514.20	45.46	-1345.78	-1340.98	40.66	-81.56	8.50	-6.20	-5.80	8.11	-2.37
		1027	7455.69	-0.01	-1363.84	-1361.87	-1.98	-51.72	2.21	-25.00	-19.19	-3.60	-11.15
704	8	1009	5787.11	0.90	-1073.26	-1071.68	-0.69	-41.21	-7.89	-30.49	-18.50	-19.88	-11.28
		1010	4739.17	36.81	-1059.03	-1055.19	32.97	-64.77	-4.53	-13.43	-7.72	-10.25	-4.27
		1028	5099.08	36.79	-1064.84	-1061.02	32.97	-64.77	5.59	-4.96	-4.70	5.33	-1.65
		1027	5859.40	0.89	-1079.09	-1077.51	-0.69	-41.21	0.42	-20.20	-15.48	-4.31	-8.67
704	9	1009	5222.40	-0.07	-968.83	-967.38	-1.52	-37.42	-6.30	-26.51	-16.39	-16.43	-10.10
		1010	4307.60	32.52	-955.93	-952.42	29.01	-58.80	-3.61	-11.49	-6.90	-8.20	-3.88
		1028	4662.27	32.50	-962.26	-958.78	29.01	-58.80	6.09	-4.51	-4.18	5.75	-1.85
		1027	5335.77	-0.08	-975.18	-973.74	-1.52	-37.42	1.75	-17.89	-13.67	-2.47	-8.07
704	10	1009	5317.06	0.61	-986.00	-984.52	-0.87	-38.24	-7.09	-27.78	-16.94	-17.93	-10.33
		1010	4359.24	33.41	-973.02	-969.46	29.85	-59.74	-4.07	-12.14	-7.06	-9.15	-3.90
		1028	4695.69	33.40	-977.83	-974.28	29.85	-59.74	5.43	-4.53	-4.28	5.19	-1.55
		1027	5391.53	0.61	-990.82	-989.34	-0.87	-38.24	0.71	-18.45	-14.15	-3.59	-7.99
704	11	1009	5245.85	2.61	-975.76	-974.70	1.56	-32.16	-6.34	-26.64	-16.47	-16.51	-10.15
		1010	4330.53	38.36	-961.31	-958.19	35.24	-55.74	-3.60	-11.41	-6.86	-8.15	-3.85
		1028	4672.76	38.36	-960.21	-957.08	35.24	-55.74	6.33	-4.39	-4.09	6.03	-1.77
		1027	5338.51	2.61	-974.65	-973.59	1.56	-32.16	1.85	-17.89	-13.70	-2.34	-8.07
705	1	1008	8598.45	12.70	-1672.10	-1669.07	9.66	-71.40	-6.38	-33.99	-22.63	-17.74	-13.59
		1009	7907.07	46.35	-1658.75	-1653.61	41.21	-93.49	-4.36	-21.73	-14.93	-11.16	-8.48
		1027	8102.95	46.37	-1652.24	-1647.08	41.21	-93.49	3.30	-15.69	-12.65	0.26	-6.96
		1026	8702.26	12.71	-1665.58	-1662.54	9.66	-71.40	0.62	-27.30	-20.36	-6.32	-12.07
705	2	1008	8643.49	13.86	-1679.57	-1676.17	10.47	-75.74	-6.06	-33.76	-22.55	-17.27	-13.60
		1009	7971.08	48.04	-1666.15	-1660.52	42.41	-98.10	-4.12	-21.90	-15.06	-10.96	-8.65
		1027	8171.87	48.05	-1662.63	-1656.99	42.41	-98.10	3.25	-16.14	-12.89	-5.76e-04	-7.25
		1026	8759.82	13.87	-1676.04	-1672.64	10.47	-75.74	0.73	-27.43	-20.38	-6.31	-12.19
705	3	1008	8762.41	15.30	-1709.52	-1706.49	12.26	-72.27	-8.26	-36.32	-23.68	-20.90	-13.96
		1009	8020.58	49.31	-1696.00	-1690.86	44.16	-94.60	-5.94	-23.11	-15.48	-13.57	-8.53
		1027	8157.52	49.36	-1680.06	-1674.87	44.16	-94.60	1.47	-16.06	-13.05	-1.54	-6.61
		1026	8793.27	15.32	-1693.56	-1690.50	12.26	-72.27	-1.53	-28.60	-21.25	-8.87	-12.04
705	4	1008	8761.10	15.52	-1713.72	-1711.55	13.35	-61.25	-8.35	-36.48	-23.74	-21.08	-14.01
		1009	8017.75	51.03	-1699.22	-1695.10	46.92	-84.75	-6.00	-23.10	-15.46	-13.65	-8.50
		1027	8119.37	51.09	-1672.62	-1668.45	46.92	-84.75	1.53	-15.93	-12.97	-1.43	-6.55
		1026	8753.71	15.55	-1687.10	-1684.90	13.35	-61.25	-1.51	-28.62	-21.26	-8.87	-12.05
705	5	1008	9848.46	30.74	-1925.60	-1919.23	24.37	-111.44	-7.61	-39.26	-25.06	-21.82	-15.74
		1009	9308.86	75.02	-1909.19	-1899.27	65.10	-139.95	-6.19	-30.01	-19.18	-17.03	-11.86
		1027	9423.93	74.93	-1926.98	-1917.15	65.10	-139.95	-3.05	-25.86	-17.82	-11.09	-10.90
		1026	9930.89	30.69	-1943.42	-1937.11	24.37	-111.44	-4.50	-35.07	-23.69	-15.88	-14.78
705	6	1008	8616.69	12.49	-1679.48	-1677.13	10.14	-63.08	-6.35	-34.03	-22.67	-17.71	-13.62

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1009	7925.84	46.81	-1665.57	-1661.27	42.51	-85.73	-4.32	-21.66	-14.91	-11.07	-8.46
		1027	8091.19	46.85	-1649.70	-1645.36	42.51	-85.73	3.46	-15.58	-12.60	0.48	-6.92
		1026	8688.46	12.52	-1663.59	-1661.22	10.14	-63.08	0.75	-27.27	-20.36	-6.17	-12.08
705	7	1008	8561.28	13.22	-1666.22	-1663.25	10.25	-70.59	-6.81	-34.21	-22.71	-18.31	-13.52
		1009	7859.24	46.21	-1653.12	-1648.09	41.19	-92.25	-4.71	-21.66	-14.88	-11.49	-8.31
		1027	8020.54	46.25	-1638.73	-1633.66	41.19	-92.25	3.02	-15.37	-12.52	0.17	-6.66
		1026	8624.97	13.25	-1651.82	-1648.82	10.25	-70.59	0.21	-27.21	-20.34	-6.65	-11.88
705	8	1008	6746.73	11.81	-1316.79	-1314.48	9.50	-55.37	-6.44	-28.04	-18.25	-16.22	-10.75
		1009	6175.55	38.07	-1306.34	-1302.41	34.14	-72.62	-4.64	-17.87	-11.94	-10.57	-6.58
		1027	6278.99	38.11	-1294.13	-1290.16	34.14	-72.62	1.00	-12.41	-10.08	-1.33	-5.09
		1026	6768.51	11.83	-1304.57	-1302.23	9.50	-55.37	-1.30	-22.08	-16.39	-6.98	-9.26
705	9	1008	6113.37	9.23	-1188.85	-1186.67	7.06	-50.98	-4.64	-24.26	-16.13	-12.76	-9.66
		1009	5617.65	33.03	-1179.42	-1175.75	29.36	-66.59	-3.18	-15.45	-10.61	-8.02	-6.00
		1027	5751.37	33.05	-1173.38	-1169.69	29.36	-66.59	2.29	-11.10	-8.97	0.17	-4.89
		1026	6180.18	9.25	-1182.80	-1180.62	7.06	-50.98	0.36	-19.42	-14.50	-4.57	-8.56
705	10	1008	6204.35	10.68	-1209.64	-1207.46	8.50	-51.46	-5.69	-25.55	-16.72	-14.52	-9.87
		1009	5680.61	34.67	-1200.11	-1196.44	31.00	-67.21	-4.06	-16.22	-10.92	-9.36	-6.03
		1027	5781.56	34.70	-1188.83	-1185.13	31.00	-67.21	1.28	-11.30	-9.20	-0.83	-4.70
		1026	6230.58	10.70	-1198.35	-1196.15	8.50	-51.46	-0.84	-20.14	-14.99	-5.99	-8.54
705	11	1008	6123.46	9.12	-1192.94	-1191.15	7.33	-46.36	-4.62	-24.28	-16.16	-12.75	-9.68
		1009	5628.05	33.28	-1183.20	-1180.00	30.08	-62.28	-3.16	-15.42	-10.60	-7.97	-5.99
		1027	5744.85	33.31	-1171.96	-1168.73	30.08	-62.28	2.39	-11.03	-8.94	0.30	-4.87
		1026	6172.49	9.13	-1181.69	-1179.88	7.33	-46.36	0.43	-19.41	-14.50	-4.48	-8.56
706	1	1007	9243.34	28.37	-1840.99	-1837.51	24.88	-80.64	-3.43	-29.45	-20.86	-12.02	-12.24
		1008	9046.54	43.15	-1835.05	-1830.69	38.79	-90.37	-2.88	-25.77	-18.54	-10.11	-10.64
		1026	9025.27	43.20	-1814.30	-1809.89	38.79	-90.37	-0.47	-23.90	-17.78	-6.59	-10.29
		1025	9214.88	28.41	-1820.23	-1816.71	24.88	-80.64	-1.07	-27.52	-20.09	-8.50	-11.89
706	2	1007	9298.35	30.38	-1850.48	-1846.77	26.67	-83.48	-3.02	-29.12	-20.75	-11.39	-12.18
		1008	9125.30	46.16	-1844.18	-1839.51	41.49	-93.85	-2.58	-25.91	-18.70	-9.79	-10.78
		1026	9105.19	46.20	-1825.33	-1820.61	41.49	-93.85	-0.50	-24.39	-18.07	-6.83	-10.54
		1025	9273.09	30.42	-1831.62	-1827.87	26.67	-83.48	-0.98	-27.57	-20.11	-8.43	-11.94
706	3	1007	9389.29	31.75	-1880.94	-1877.50	28.31	-81.05	-5.71	-31.71	-21.92	-15.50	-12.59
		1008	9161.05	46.45	-1875.01	-1870.72	42.15	-90.73	-5.00	-27.31	-19.25	-13.06	-10.72
		1026	9072.93	46.53	-1839.23	-1834.86	42.15	-90.73	-2.44	-24.76	-18.30	-8.90	-10.12
		1025	9290.89	31.82	-1845.14	-1841.64	28.31	-81.05	-3.22	-29.08	-20.97	-11.34	-12.00
706	4	1007	9374.82	29.86	-1881.98	-1879.33	27.22	-71.05	-5.76	-31.82	-21.94	-15.64	-12.64
		1008	9145.04	44.31	-1876.01	-1872.62	40.92	-80.64	-5.04	-27.34	-19.24	-13.14	-10.72
		1026	9024.12	44.39	-1831.93	-1828.46	40.92	-80.64	-2.44	-24.72	-18.26	-8.90	-10.11
		1025	9243.36	29.93	-1837.88	-1835.17	27.22	-71.05	-3.23	-29.11	-20.96	-11.39	-12.02
706	5	1007	1.086e+04	55.45	-2185.00	-2178.38	48.83	-121.66	-3.86	-31.68	-22.86	-12.68	-12.94
		1008	1.100e+04	85.40	-2173.63	-2164.79	76.56	-141.07	-4.93	-34.68	-24.48	-15.13	-14.12
		1026	1.111e+04	85.24	-2216.83	-2208.15	76.56	-141.07	-7.97	-38.96	-25.63	-21.30	-15.35
		1025	1.096e+04	55.33	-2228.24	-2221.74	48.83	-121.66	-7.03	-35.83	-24.01	-18.85	-14.17
706	6	1007	9255.64	26.76	-1846.25	-1843.36	23.87	-73.51	-3.37	-29.48	-20.88	-11.98	-12.27
		1008	9057.15	41.07	-1840.39	-1836.72	37.41	-82.98	-2.82	-25.74	-18.54	-10.02	-10.64
		1026	9009.78	41.13	-1812.78	-1809.06	37.41	-82.98	-0.36	-23.82	-17.75	-6.43	-10.28
		1025	9200.96	26.81	-1818.62	-1815.69	23.87	-73.51	-0.97	-27.50	-20.09	-8.39	-11.90
706	7	1007	9192.86	29.12	-1833.16	-1829.74	25.69	-79.78	-4.00	-29.79	-20.96	-12.82	-12.24
		1008	8983.34	43.26	-1827.47	-1823.21	39.01	-89.10	-3.37	-25.77	-18.49	-10.65	-10.49
		1026	8919.42	43.34	-1796.37	-1792.04	39.01	-89.10	-0.80	-23.59	-17.61	-6.78	-10.03
		1025	9120.17	29.17	-1802.05	-1798.57	25.69	-79.78	-1.49	-27.53	-20.08	-8.95	-11.77
706	8	1007	7228.08	24.42	-1448.80	-1446.17	21.79	-62.12	-4.49	-24.48	-16.90	-12.07	-9.70
		1008	7053.10	35.76	-1444.22	-1440.94	32.48	-69.60	-3.95	-21.10	-14.85	-10.20	-8.26
		1026	6984.06	35.82	-1416.66	-1413.32	32.48	-69.60	-2.00	-19.14	-14.12	-7.01	-7.80
		1025	7151.19	24.47	-1421.23	-1418.55	21.79	-62.12	-2.60	-22.46	-16.17	-8.89	-9.24
706	9	1007	6569.92	20.51	-1308.76	-1306.27	18.02	-57.49	-2.57	-21.05	-14.88	-8.74	-8.72
		1008	6425.91	30.92	-1304.58	-1301.47	27.81	-64.35	-2.16	-18.34	-13.18	-7.32	-7.54
		1026	6403.48	30.96	-1287.86	-1284.71	27.81	-64.35	-0.40	-16.94	-12.61	-4.72	-7.27
		1025	6541.97	20.54	-1292.03	-1289.51	18.02	-57.49	-0.85	-19.60	-14.31	-6.14	-8.44
706	10	1007	6650.90	22.39	-1330.95	-1328.49	19.92	-57.72	-3.84	-22.30	-15.47	-10.67	-8.91
		1008	6489.39	32.75	-1326.78	-1323.71	29.68	-64.55	-3.34	-19.20	-13.58	-8.96	-7.58
		1026	6429.79	32.81	-1301.71	-1298.58	29.68	-64.55	-1.49	-17.41	-12.90	-6.00	-7.17
		1025	6584.03	22.43	-1305.87	-1303.36	19.92	-57.72	-2.04	-20.47	-14.79	-7.71	-8.50
706	11	1007	6576.72	19.61	-1311.67	-1309.52	17.46	-53.53	-2.54	-21.06	-14.89	-8.72	-8.73
		1008	6431.79	29.76	-1307.54	-1304.82	27.04	-60.24	-2.12	-18.33	-13.18	-7.27	-7.54
		1026	6394.87	29.80	-1287.01	-1284.25	27.04	-60.24	-0.33	-16.89	-12.60	-4.63	-7.26
		1025	6534.21	19.65	-1291.13	-1288.94	17.46	-53.53	-0.79	-19.59	-14.31	-6.08	-8.45
707	1	1006	9201.97	44.52	-1862.52	-1859.52	41.52	-75.68	-0.09	-23.47	-17.61	-5.95	-10.13
		1007	9436.60	43.38	-1863.00	-1860.05	40.43	-74.92	-1.08	-27.81	-20.47	-8.43	-11.93
		1025	9236.31	43.43	-1827.79	-1824.79	40.43	-74.92	-3.54	-30.17	-21.19	-12.52	-12.59
		1024	8989.54	44.58	-1827.32	-1824.26	41.52	-75.68	-2.63	-25.75	-18.33	-10.05	-10.80
707	2	1006	9263.82	46.99	-1872.99	-1869.92	43.93	-76.61	0.39	-23.09	-17.48	-5.22	-10.02

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1007	9521.63	47.08	-1872.95	-1869.88	44.01	-76.67	-0.73	-27.91	-20.64	-8.01	-12.03
		1025	9315.58	47.14	-1838.36	-1835.23	44.01	-76.67	-3.58	-30.64	-21.50	-12.72	-12.80
		1024	9042.46	47.05	-1838.39	-1835.28	43.93	-76.61	-2.57	-25.70	-18.34	-9.93	-10.78
707	3	1006	9319.73	48.49	-1901.61	-1898.65	45.52	-76.03	-2.63	-25.48	-18.62	-9.50	-10.48
		1007	9540.74	46.64	-1902.38	-1899.50	43.76	-74.80	-3.51	-29.43	-21.25	-11.69	-12.04
		1025	9279.19	46.72	-1848.31	-1845.35	43.76	-74.80	-5.37	-31.51	-21.76	-15.11	-12.64
		1024	9048.56	48.57	-1847.54	-1844.49	45.52	-76.03	-4.53	-27.52	-19.13	-12.92	-11.07
707	4	1006	9297.18	46.11	-1900.53	-1898.20	43.77	-67.36	-2.67	-25.56	-18.61	-9.61	-10.52
		1007	9518.13	43.33	-1901.71	-1899.50	41.12	-65.51	-3.54	-29.49	-21.26	-11.77	-12.08
		1025	9228.18	43.40	-1841.05	-1838.77	41.12	-65.51	-5.41	-31.55	-21.75	-15.21	-12.65
		1024	8997.54	46.18	-1839.88	-1837.47	43.77	-67.36	-4.57	-27.57	-19.11	-13.04	-11.09
707	5	1006	1.083e+04	69.90	-2246.13	-2243.97	67.74	-70.68	2.74	-19.38	-16.53	-0.11	-7.41
		1007	1.175e+04	109.69	-2229.45	-2225.40	105.64	-97.21	-2.01	-37.43	-28.13	-11.31	-15.58
		1025	1.171e+04	109.63	-2260.54	-2256.55	105.64	-97.21	-13.35	-50.78	-32.59	-31.53	-18.71
		1024	1.062e+04	69.87	-2277.25	-2275.12	67.74	-70.68	-10.13	-31.20	-21.00	-20.33	-10.53
707	6	1006	9212.42	42.94	-1866.57	-1864.02	40.40	-69.71	-0.03	-23.51	-17.63	-5.91	-10.17
		1007	9443.52	40.90	-1867.42	-1864.97	38.45	-68.35	-1.01	-27.80	-20.46	-8.35	-11.95
		1025	9221.86	40.95	-1827.00	-1824.49	38.45	-68.35	-3.45	-30.12	-21.17	-12.40	-12.59
		1024	8978.78	43.00	-1826.14	-1823.54	40.40	-69.71	-2.55	-25.75	-18.33	-9.96	-10.82
707	7	1006	9139.54	45.46	-1853.16	-1850.18	42.48	-75.11	-0.78	-23.87	-17.74	-6.92	-10.20
		1007	9361.98	43.63	-1853.92	-1851.03	40.75	-73.90	-1.68	-27.88	-20.42	-9.14	-11.83
		1025	9118.70	43.70	-1807.03	-1804.08	40.75	-73.90	-3.83	-29.95	-20.99	-12.79	-12.40
		1024	8886.03	45.53	-1806.28	-1803.23	42.48	-75.11	-2.99	-25.89	-18.31	-10.57	-10.77
707	8	1006	7173.45	37.24	-1464.67	-1462.40	34.97	-58.34	-2.13	-19.67	-14.36	-7.45	-8.06
		1007	7344.77	35.78	-1465.28	-1463.08	33.58	-57.37	-2.81	-22.73	-16.40	-9.15	-9.28
		1025	7143.54	35.84	-1423.63	-1421.37	33.58	-57.37	-4.25	-24.35	-16.79	-11.80	-9.74
		1024	6964.70	37.31	-1423.03	-1420.69	34.97	-58.34	-3.59	-21.26	-14.75	-10.10	-8.52
707	9	1006	6538.43	32.10	-1323.91	-1321.76	29.95	-53.90	-0.22	-16.80	-12.57	-4.45	-7.23
		1007	6701.76	31.22	-1324.27	-1322.17	29.12	-53.32	-0.90	-19.80	-14.55	-6.15	-8.47
		1025	6551.33	31.27	-1296.88	-1294.73	29.12	-53.32	-2.57	-21.42	-15.04	-8.95	-8.92
		1024	6379.88	32.14	-1296.51	-1294.32	29.95	-53.90	-1.94	-18.36	-13.05	-7.25	-7.68
707	10	1006	6603.77	34.30	-1345.62	-1343.50	32.18	-54.10	-1.63	-17.92	-13.13	-6.42	-7.42
		1007	6759.47	33.04	-1346.15	-1344.09	30.98	-53.26	-2.25	-20.70	-14.99	-7.96	-8.53
		1025	6574.96	33.09	-1308.27	-1306.15	30.98	-53.26	-3.59	-22.15	-15.36	-10.39	-8.94
		1024	6412.51	34.36	-1307.75	-1305.56	32.18	-54.10	-3.00	-19.34	-13.50	-8.85	-7.83
707	11	1006	6544.21	31.22	-1326.15	-1324.26	29.33	-50.59	-0.19	-16.82	-12.58	-4.43	-7.25
		1007	6705.59	29.84	-1326.72	-1324.90	28.02	-49.67	-0.86	-19.80	-14.55	-6.11	-8.48
		1025	6543.29	29.89	-1296.43	-1294.57	28.02	-49.67	-2.52	-21.39	-15.02	-8.88	-8.92
		1024	6373.88	31.26	-1295.86	-1293.93	29.33	-50.59	-1.90	-18.36	-13.06	-7.20	-7.69
708	1	1005	8426.17	58.37	-1726.84	-1724.80	56.32	-60.41	3.98	-15.55	-12.60	1.04	-6.99
		1006	9047.89	39.15	-1735.11	-1733.84	37.88	-47.50	0.93	-27.82	-20.84	-6.05	-12.33
		1024	8729.01	39.18	-1693.90	-1692.60	37.88	-47.50	-6.35	-34.96	-23.14	-18.17	-14.09
		1023	8001.35	58.42	-1685.65	-1683.56	56.32	-60.41	-4.04	-21.94	-14.90	-11.08	-8.74
708	2	1005	8492.74	61.03	-1737.27	-1735.31	59.08	-59.29	4.54	-15.21	-12.47	1.80	-6.82
		1006	9130.64	43.12	-1744.99	-1743.74	41.87	-47.24	1.29	-27.88	-21.01	-5.58	-12.38
		1024	8799.14	43.15	-1703.39	-1702.11	41.87	-47.24	-6.42	-35.32	-23.43	-18.30	-14.22
		1023	8046.67	61.08	-1695.68	-1693.68	59.08	-59.29	-4.02	-21.80	-14.90	-10.92	-8.66
708	3	1005	8505.54	62.96	-1762.14	-1760.09	60.92	-61.07	1.35	-17.07	-13.46	-2.26	-7.30
		1006	9136.68	42.42	-1770.99	-1769.76	41.18	-47.26	-1.57	-29.43	-21.65	-9.34	-12.50
		1024	8773.87	42.46	-1708.77	-1707.49	41.18	-47.26	-7.86	-36.74	-23.74	-20.86	-14.37
		1023	8040.25	63.03	-1699.94	-1697.82	60.92	-61.07	-5.45	-23.87	-15.55	-13.77	-9.17
708	4	1005	8475.33	60.65	-1759.25	-1757.67	59.07	-53.56	1.31	-17.08	-13.42	-2.35	-7.34
		1006	9110.00	39.18	-1768.67	-1767.83	38.33	-39.05	-1.59	-29.53	-21.67	-9.45	-12.56
		1024	8722.97	39.21	-1701.05	-1700.17	38.33	-39.05	-7.95	-36.89	-23.75	-21.08	-14.41
		1023	7984.08	60.71	-1691.65	-1690.01	59.07	-53.56	-5.53	-23.97	-15.51	-13.99	-9.19
708	5	1005	9871.12	85.52	-2050.79	-2050.05	84.78	-39.85	8.60	-11.24	-10.76	8.12	-3.05
		1006	1.103e+04	59.25	-2062.89	-2062.67	59.03	-21.83	-0.55	-35.98	-28.54	-7.98	-14.43
		1024	1.055e+04	59.26	-1998.26	-1998.03	59.03	-21.83	-15.50	-53.68	-33.56	-35.62	-19.07
		1023	8925.73	85.54	-1986.18	-1985.41	84.78	-39.85	-9.74	-25.56	-15.77	-19.52	-7.69
708	6	1005	8435.98	57.53	-1729.92	-1728.20	55.80	-55.48	4.02	-15.59	-12.62	1.05	-7.03
		1006	9052.52	37.26	-1738.75	-1737.76	36.27	-41.81	1.00	-27.83	-20.83	-5.99	-12.36
		1024	8715.59	37.28	-1693.38	-1692.36	36.27	-41.81	-6.28	-34.91	-23.12	-18.08	-14.09
		1023	7993.57	57.57	-1684.56	-1682.80	55.80	-55.48	-3.99	-21.95	-14.91	-11.03	-8.76
708	7	1005	8354.39	59.54	-1716.77	-1714.72	57.49	-60.31	3.17	-15.94	-12.75	-0.02	-7.13
		1006	8968.20	39.75	-1725.28	-1724.02	38.49	-47.01	0.28	-27.95	-20.79	-6.88	-12.28
		1024	8613.39	39.79	-1672.20	-1670.91	38.49	-47.01	-6.55	-34.87	-22.93	-18.49	-13.98
		1023	7899.05	59.60	-1663.71	-1661.60	57.49	-60.31	-4.28	-22.23	-14.89	-11.63	-8.83
708	8	1005	6545.76	48.36	-1357.21	-1355.64	46.79	-46.97	0.93	-13.17	-10.38	-1.86	-5.61
		1006	7033.31	32.44	-1364.07	-1363.13	31.50	-36.27	-1.32	-22.72	-16.70	-7.34	-9.62
		1024	6755.71	32.47	-1316.14	-1315.17	31.50	-36.27	-6.14	-28.39	-18.31	-16.22	-11.07
		1023	6188.73	48.42	-1309.30	-1307.67	46.79	-46.97	-4.27	-18.46	-11.99	-10.74	-7.07
708	9	1005	5984.75	42.02	-1227.33	-1225.87	40.56	-42.97	2.66	-11.16	-9.01	0.51	-5.00

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1006	6424.61	28.34	-1233.21	-1232.30	27.44	-33.78	0.52	-19.82	-14.82	-4.48	-8.76
		1024	6190.33	28.37	-1201.36	-1200.43	27.44	-33.78	-4.55	-24.84	-16.42	-12.98	-10.00
		1023	5676.55	42.06	-1195.49	-1194.00	40.56	-42.97	-2.92	-15.68	-10.61	-7.99	-6.24
708	10	1005	6028.80	44.57	-1246.93	-1245.48	43.12	-43.34	1.19	-12.00	-9.49	-1.32	-5.18
		1006	6473.80	30.16	-1253.14	-1252.26	29.27	-33.65	-0.87	-20.72	-15.27	-6.31	-8.86
		1024	6215.06	30.19	-1209.62	-1208.71	29.27	-33.65	-5.39	-25.83	-16.75	-14.47	-10.16
		1023	5698.03	44.62	-1203.43	-1201.92	43.12	-43.34	-3.70	-16.75	-10.97	-9.48	-6.48
708	11	1005	5990.18	41.55	-1229.03	-1227.76	40.28	-40.23	2.68	-11.19	-9.02	0.52	-5.03
		1006	6427.17	27.29	-1235.23	-1234.49	26.55	-30.62	0.56	-19.83	-14.82	-4.45	-8.78
		1024	6182.85	27.31	-1201.07	-1200.30	26.55	-30.62	-4.51	-24.82	-16.41	-12.92	-10.00
		1023	5672.20	41.59	-1194.89	-1193.58	40.28	-40.23	-2.89	-15.68	-10.62	-7.96	-6.25
709	1	1004	6937.18	55.89	-1434.94	-1434.36	55.31	-29.41	9.33	-6.49	-5.96	8.79	-2.86
		1005	7860.88	29.83	-1446.98	-1446.89	29.74	-11.51	3.15	-25.77	-19.63	-2.98	-11.82
		1023	7525.47	29.83	-1411.87	-1411.78	29.74	-11.51	-8.80	-38.14	-23.58	-23.36	-14.67
		1022	6257.38	55.90	-1399.84	-1399.25	55.31	-29.41	-4.97	-16.52	-9.90	-11.59	-5.71
709	2	1004	7008.34	58.51	-1444.56	-1444.10	58.04	-26.33	9.95	-6.29	-5.84	9.50	-2.67
		1005	7933.80	33.73	-1456.10	-1456.04	33.67	-9.27	3.49	-25.78	-19.77	-2.51	-11.82
		1023	7577.85	33.73	-1419.86	-1419.80	33.67	-9.27	-8.88	-38.34	-23.83	-23.39	-14.73
		1022	6295.05	58.52	-1408.33	-1407.86	58.04	-26.33	-5.01	-16.27	-9.90	-11.38	-5.58
709	3	1004	6968.94	60.45	-1463.87	-1463.25	59.83	-30.76	6.83	-7.26	-6.54	6.11	-3.11
		1005	7932.59	32.75	-1476.65	-1476.56	32.66	-11.74	0.83	-27.26	-20.42	-6.01	-12.06
		1023	7581.95	32.76	-1419.59	-1419.49	32.66	-11.74	-9.86	-40.35	-24.19	-26.02	-15.21
		1022	6267.16	60.47	-1406.83	-1406.18	59.83	-30.76	-5.59	-18.62	-10.31	-13.90	-6.26
709	4	1004	6928.91	58.49	-1458.90	-1458.52	58.12	-23.86	6.72	-7.23	-6.48	5.97	-3.14
		1005	7898.56	30.18	-1472.23	-1472.22	30.17	-4.30	0.79	-27.40	-20.45	-6.15	-12.15
		1023	7531.26	30.18	-1410.91	-1410.90	30.17	-4.30	-10.01	-40.61	-24.24	-26.38	-15.27
		1022	6205.41	58.51	-1397.60	-1397.20	58.12	-23.86	-5.69	-18.83	-10.27	-14.25	-6.26
709	5	1004	8189.86	85.58	-1690.11	-1690.05	85.52	10.07	14.56	-4.41	-4.37	14.52	0.92
		1005	9379.83	58.19	-1704.18	-1703.69	57.69	29.55	1.30	-31.66	-25.78	-4.58	-12.62
		1023	8763.49	58.22	-1606.30	-1605.78	57.69	29.55	-15.62	-52.04	-31.41	-36.25	-18.05
		1022	6805.66	85.58	-1592.20	-1592.14	85.52	10.07	-7.82	-19.33	-10.00	-17.15	-4.51
709	6	1004	6947.48	56.19	-1437.35	-1436.92	55.76	-25.40	9.30	-6.55	-6.00	8.74	-2.91
		1005	7863.33	29.04	-1450.06	-1450.03	29.01	-6.67	3.19	-25.77	-19.62	-2.96	-11.85
		1023	7510.22	29.04	-1411.01	-1410.98	29.01	-6.67	-8.74	-38.08	-23.55	-23.27	-14.67
		1022	6252.17	56.20	-1398.31	-1397.87	55.76	-25.40	-4.95	-16.54	-9.93	-11.56	-5.74
709	7	1004	6858.06	57.11	-1425.23	-1424.63	56.51	-29.92	8.38	-6.75	-6.10	7.74	-3.06
		1005	7783.66	30.72	-1437.41	-1437.31	30.62	-11.80	2.49	-25.93	-19.59	-3.85	-11.84
		1023	7426.83	30.72	-1391.27	-1391.17	30.62	-11.80	-8.86	-38.22	-23.37	-23.70	-14.68
		1022	6165.24	57.13	-1379.11	-1378.49	56.51	-29.92	-5.00	-17.01	-9.89	-12.11	-5.90
709	8	1004	5362.29	46.44	-1127.45	-1126.97	45.96	-23.83	5.16	-5.60	-5.04	4.61	-2.38
		1005	6106.42	24.95	-1137.37	-1137.30	24.87	-9.07	0.53	-21.05	-15.76	-4.76	-9.28
		1023	5839.77	24.95	-1093.34	-1093.27	24.87	-9.07	-7.66	-31.18	-18.66	-20.18	-11.73
		1022	4823.70	46.46	-1083.44	-1082.94	45.96	-23.83	-4.34	-14.42	-7.94	-10.81	-4.83
709	9	1004	4923.84	40.25	-1019.77	-1019.36	39.84	-20.86	6.43	-4.68	-4.28	6.03	-2.08
		1005	5580.73	21.77	-1028.30	-1028.24	21.71	-8.17	2.10	-18.37	-13.96	-2.30	-8.41
		1023	5336.53	21.77	-1000.84	-1000.77	21.71	-8.17	-6.27	-27.14	-16.73	-16.68	-10.44
		1022	4436.93	40.26	-992.31	-991.89	39.84	-20.86	-3.54	-11.85	-7.05	-8.34	-4.10
709	10	1004	4941.49	42.78	-1035.84	-1035.40	42.35	-21.61	5.05	-5.11	-4.60	4.54	-2.22
		1005	5620.46	23.40	-1044.79	-1044.72	23.33	-8.30	0.81	-19.20	-14.40	-3.99	-8.55
		1023	5367.72	23.40	-1005.13	-1005.06	23.33	-8.30	-6.86	-28.37	-17.07	-18.15	-10.74
		1022	4442.27	42.80	-996.19	-995.74	42.35	-21.61	-3.89	-13.02	-7.28	-9.63	-4.41
709	11	1004	4929.55	40.42	-1021.10	-1020.78	40.09	-18.63	6.42	-4.72	-4.30	6.00	-2.11
		1005	5582.08	21.33	-1030.01	-1029.98	21.31	-5.48	2.13	-18.37	-13.95	-2.29	-8.43
		1023	5328.02	21.33	-1000.36	-1000.33	21.31	-5.48	-6.23	-27.11	-16.72	-16.62	-10.44
		1022	4434.00	40.43	-991.46	-991.12	40.09	-18.63	-3.53	-11.86	-7.07	-8.33	-4.12
710	1	1003	4938.79	64.33	-976.94	-976.56	63.95	19.81	16.48	1.34	1.60	16.23	1.95
		1004	5798.45	23.80	-999.82	-997.41	21.39	49.60	5.03	-21.42	-16.61	0.23	-10.20
		1022	5679.40	23.81	-996.41	-994.00	21.39	49.60	-10.13	-38.81	-22.13	-26.82	-14.14
		1021	4337.35	64.33	-973.52	-973.15	63.95	19.81	-3.38	-11.35	-3.92	-10.82	-1.99
710	2	1003	5018.10	66.92	-985.40	-984.84	66.37	24.14	17.10	1.38	1.68	16.81	2.14
		1004	5856.93	27.27	-1008.12	-1005.36	24.50	53.44	5.33	-21.37	-16.70	0.66	-10.14
		1022	5704.36	27.28	-1002.60	-999.82	24.50	53.44	-10.22	-38.78	-22.30	-26.71	-14.11
		1021	4350.48	66.92	-979.86	-979.31	66.37	24.14	-3.45	-11.03	-3.92	-10.56	-1.83
710	3	1003	4916.07	67.97	-996.18	-995.91	67.70	16.99	14.84	1.20	1.46	14.58	1.85
		1004	5850.81	25.07	-1020.14	-1017.90	22.83	48.40	3.17	-22.75	-17.35	-2.23	-10.53
		1022	5761.27	25.13	-994.65	-992.35	22.83	48.40	-10.75	-41.44	-22.78	-29.42	-14.98
		1021	4464.80	67.98	-970.64	-970.36	67.70	16.99	-3.24	-13.33	-3.97	-12.61	-2.61
710	4	1003	4852.69	66.07	-988.33	-987.72	65.47	25.21	14.37	1.20	1.43	14.13	1.73
		1004	5791.47	24.42	-1012.37	-1009.32	21.38	56.07	3.05	-22.88	-17.32	-2.50	-10.64
		1022	5702.77	24.51	-985.15	-982.03	21.38	56.07	-10.94	-41.64	-22.78	-29.79	-14.94
		1021	4460.36	66.09	-961.04	-960.42	65.47	25.21	-3.35	-13.83	-4.03	-13.15	-2.57
710	5	1003	6031.79	92.21	-1151.02	-1148.21	89.40	59.02	23.26	1.80	3.37	21.68	5.59

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1004	6839.00	41.77	-1183.28	-1175.41	33.90	97.87	3.54	-25.20	-21.08	-0.58	-10.07
		1022	6455.99	42.28	-1108.41	-1100.03	33.90	97.87	-14.59	-48.62	-27.65	-35.56	-16.55
		1021	5037.22	92.39	-1075.82	-1072.83	89.40	59.02	-3.12	-13.38	-3.19	-13.30	-0.88
710	6	1003	4953.21	67.64	-978.93	-978.45	67.16	22.29	16.33	1.29	1.52	16.10	1.87
		1004	5801.59	24.95	-1003.35	-1000.52	22.12	53.82	5.02	-21.42	-16.58	0.18	-10.22
		1022	5657.69	24.97	-994.54	-991.69	22.12	53.82	-10.05	-38.69	-22.07	-26.68	-14.13
		1021	4328.17	67.64	-970.10	-969.62	67.16	22.29	-3.39	-11.33	-3.96	-10.76	-2.05
710	7	1003	4849.38	64.49	-968.91	-968.58	64.16	18.51	15.51	1.27	1.48	15.30	1.71
		1004	5731.72	24.17	-991.58	-989.30	21.88	48.10	4.44	-21.61	-16.58	-0.60	-10.29
		1022	5613.70	24.19	-978.69	-976.38	21.88	48.10	-10.07	-39.07	-21.96	-27.19	-14.26
		1021	4308.37	64.49	-956.00	-955.66	64.16	18.51	-3.26	-11.93	-3.90	-11.29	-2.27
710	8	1003	3782.06	52.27	-767.16	-766.97	52.08	12.71	11.39	0.93	1.13	11.19	1.45
		1004	4504.22	19.01	-785.72	-784.01	17.30	37.06	2.36	-17.56	-13.39	-1.81	-8.10
		1022	4440.05	19.05	-765.81	-764.06	17.30	37.06	-8.32	-32.03	-17.57	-22.78	-11.56
		1021	3442.67	52.28	-747.22	-747.02	52.08	12.71	-2.49	-10.34	-3.05	-9.78	-2.02
710	9	1003	3499.89	46.04	-694.24	-693.97	45.77	14.13	11.53	0.94	1.11	11.36	1.34
		1004	4115.45	17.34	-710.44	-708.73	15.63	35.22	3.46	-15.28	-11.81	-6.18e-03	-7.28
		1022	4028.67	17.35	-705.77	-704.05	15.63	35.22	-7.20	-27.66	-15.71	-19.15	-10.09
		1021	3081.68	46.04	-689.55	-689.28	45.77	14.13	-2.39	-8.19	-2.79	-7.78	-1.48
710	10	1003	3487.33	48.06	-704.93	-704.72	47.85	12.56	10.61	0.86	1.03	10.44	1.28
		1004	4144.48	18.05	-721.73	-720.11	16.43	34.56	2.43	-16.02	-12.23	-1.37	-7.46
		1022	4073.98	18.09	-704.78	-703.13	16.43	34.56	-7.54	-29.13	-16.08	-20.59	-10.55
		1021	3152.54	48.06	-687.95	-687.73	47.85	12.56	-2.31	-9.29	-2.82	-8.78	-1.82
710	11	1003	3507.90	47.88	-695.34	-695.02	47.55	15.51	11.44	0.90	1.07	11.28	1.29
		1004	4117.17	17.97	-712.40	-710.46	16.04	37.57	3.45	-15.28	-11.80	-0.03	-7.29
		1022	4016.55	18.00	-704.72	-702.76	16.04	37.57	-7.15	-27.60	-15.68	-19.07	-10.08
		1021	3076.63	47.88	-687.65	-687.32	47.55	15.51	-2.39	-8.18	-2.81	-7.76	-1.51
711	1	183	2547.05	49.55	-412.41	-393.68	30.81	91.12	15.26	3.57	5.06	13.78	3.90
		1003	2608.94	28.36	-438.66	-409.28	-1.02	113.40	3.98	-13.17	-9.64	0.45	-6.94
		1021	3122.82	27.91	-445.51	-416.58	-1.02	113.40	-7.31	-27.31	-15.09	-19.53	-9.75
		187	2074.45	49.25	-419.42	-400.98	30.81	91.12	-0.19	-6.40	-0.39	-6.21	1.08
711	2	183	2613.92	49.57	-421.77	-401.07	28.87	96.59	15.59	3.51	5.04	14.06	4.02
		1003	2646.12	30.18	-446.39	-415.54	-0.67	117.27	4.16	-13.03	-9.66	0.78	-6.83
		1021	3104.68	30.01	-448.93	-418.25	-0.67	117.27	-7.34	-26.96	-15.11	-19.18	-9.60
		187	2058.44	49.45	-424.36	-403.77	28.87	96.59	-0.14	-6.17	-0.41	-5.90	1.25
711	3	183	2495.59	40.19	-420.73	-401.61	21.07	91.90	15.13	3.87	5.53	13.47	4.00
		1003	2625.04	23.17	-441.59	-414.07	-4.35	109.70	3.00	-14.38	-10.27	-1.10	-7.38
		1021	3341.41	24.04	-428.25	-399.86	-4.35	109.70	-7.66	-30.21	-15.78	-22.09	-10.83
		187	2146.28	40.80	-407.12	-387.40	21.07	91.90	0.06	-7.56	0.02	-7.52	0.55
711	4	183	2400.96	52.76	-407.37	-383.33	28.72	102.40	13.70	3.62	5.20	12.11	3.67
		1003	2505.06	34.59	-432.32	-397.51	-0.22	122.66	2.65	-14.45	-10.04	-1.75	-7.48
		1021	3382.57	35.12	-425.86	-390.52	-0.22	122.66	-7.88	-29.92	-15.57	-22.23	-10.51
		187	2175.44	53.13	-400.75	-376.34	28.72	102.40	-0.27	-8.42	-0.32	-8.36	0.65
711	5	183	3412.56	37.54	-528.69	-493.64	2.49	136.46	21.66	3.64	6.79	18.51	6.84
		1003	3185.71	26.75	-544.07	-502.24	-15.07	148.75	3.37	-14.68	-12.15	0.84	-6.27
		1021	3591.47	33.05	-474.87	-426.74	-15.07	148.75	-9.46	-32.06	-18.06	-23.47	-10.97
		187	2179.58	42.88	-458.53	-418.14	2.49	136.46	1.50	-6.42	0.88	-5.80	2.14
711	6	183	2557.66	50.25	-420.78	-399.01	28.48	98.89	14.94	3.55	4.97	13.52	3.76
		1003	2614.91	33.60	-442.12	-411.51	2.98	116.74	3.98	-13.16	-9.58	0.40	-6.97
		1021	3124.07	33.73	-440.24	-409.49	2.98	116.74	-7.23	-27.08	-14.97	-19.34	-9.68
		187	2065.56	50.34	-418.86	-397.00	28.48	98.89	-0.23	-6.41	-0.41	-6.22	1.05
711	7	183	2458.51	44.93	-407.91	-389.36	26.38	89.75	14.69	3.67	5.10	13.26	3.70
		1003	2564.82	25.50	-431.92	-403.64	-2.78	110.16	3.63	-13.48	-9.68	-0.17	-7.11
		1021	3152.87	25.53	-431.53	-403.22	-2.78	110.16	-7.23	-27.92	-15.05	-20.10	-10.03
		187	2068.28	44.94	-407.50	-388.94	26.38	89.75	-0.18	-6.77	-0.28	-6.67	0.78
711	8	183	1920.94	30.74	-323.62	-309.03	16.15	70.40	11.69	2.98	4.29	10.38	3.11
		1003	2020.81	17.57	-339.71	-318.65	-3.48	84.14	2.26	-11.10	-7.94	-0.90	-5.68
		1021	2579.60	18.27	-329.02	-307.27	-3.48	84.14	-5.92	-23.37	-12.18	-17.11	-8.37
		187	1654.31	31.22	-312.71	-297.65	16.15	70.40	0.07	-5.86	0.04	-5.83	0.42
711	9	183	1797.60	34.25	-293.42	-279.96	20.80	65.02	10.75	2.56	3.61	9.70	2.73
		1003	1850.02	19.76	-311.41	-290.65	-1.00	80.28	2.77	-9.44	-6.87	0.20	-4.97
		1021	2229.83	19.56	-314.49	-293.93	-1.00	80.28	-5.18	-19.56	-10.73	-14.01	-7.00
		187	1475.89	34.12	-296.57	-283.24	20.80	65.02	-0.14	-4.62	-0.25	-4.51	0.71
711	10	183	1769.00	29.06	-298.04	-284.37	15.39	65.45	10.67	2.73	3.87	9.53	2.79
		1003	1859.05	16.87	-313.04	-293.31	-2.85	78.22	2.22	-10.11	-7.22	-0.66	-5.22
		1021	2351.22	17.40	-304.90	-284.64	-2.85	78.22	-5.38	-21.17	-11.12	-15.43	-7.60
		187	1515.97	29.43	-289.74	-275.70	15.39	65.45	7.22e-03	-5.27	-0.03	-5.24	0.41
711	11	183	1803.53	34.64	-298.07	-282.93	19.50	69.34	10.57	2.55	3.56	9.56	2.66
		1003	1853.24	22.67	-313.33	-291.88	1.22	82.14	2.76	-9.43	-6.84	0.17	-4.99
		1021	2230.55	22.79	-311.56	-289.99	1.22	82.14	-5.14	-19.43	-10.66	-13.90	-6.96
		187	1471.12	34.73	-296.26	-281.03	19.50	69.34	-0.16	-4.63	-0.27	-4.52	0.69
712	1	179	2397.92	38.44	-413.88	-411.61	36.17	31.94	15.57	5.76	5.78	15.55	0.49

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		985	3149.00	-10.88	-453.50	-440.86	-23.53	73.73	10.28	-15.78	-9.66	4.17	-11.04
		1003	3098.67	-10.17	-430.49	-417.13	-23.53	73.73	-5.76	-29.01	-15.61	-19.16	-11.49
		183	2137.82	38.56	-390.27	-387.88	36.17	31.94	-0.16	-7.78	-0.16	-7.78	0.04
712	2	179	2444.22	41.22	-420.77	-417.85	38.30	36.58	15.68	5.70	5.73	15.65	0.52
		985	3166.44	-7.70	-461.35	-447.29	-21.77	78.63	10.38	-15.67	-9.65	4.36	-10.98
		1003	3090.99	-6.93	-438.55	-423.72	-21.77	78.63	-5.75	-28.75	-15.60	-18.90	-11.38
		183	2151.03	41.37	-397.36	-394.29	38.30	36.58	-0.22	-7.60	-0.22	-7.60	0.13
712	3	179	2525.38	42.58	-433.29	-430.10	39.39	38.82	16.36	6.02	6.11	16.27	0.96
		985	3234.84	-8.19	-475.93	-460.82	-23.30	82.71	10.05	-16.20	-10.18	4.03	-11.03
		1003	3186.62	-6.87	-439.67	-423.24	-23.30	82.71	-6.25	-30.27	-16.25	-20.26	-11.84
		183	2203.87	42.85	-395.98	-392.52	39.39	38.82	0.04	-8.03	0.04	-8.02	0.16
712	4	179	2495.19	41.24	-434.32	-431.01	37.93	39.53	15.83	5.78	5.83	15.78	0.69
		985	3207.77	-9.69	-477.43	-461.94	-25.18	83.70	9.90	-16.10	-10.04	3.84	-11.00
		1003	3126.71	-7.63	-424.37	-406.82	-25.18	83.70	-5.75	-29.62	-15.91	-19.47	-11.80
		183	2100.37	41.67	-379.64	-375.90	37.93	39.53	-0.03	-7.53	-0.04	-7.52	-0.11
712	5	179	3322.76	78.96	-539.54	-527.83	67.25	84.31	19.35	5.27	5.62	19.00	2.19
		985	3712.48	20.60	-600.70	-567.13	-12.97	140.46	11.75	-15.05	-10.56	7.26	-10.01
		1003	3268.60	23.75	-550.30	-513.58	-12.97	140.46	-6.68	-27.13	-16.88	-16.93	-10.23
		183	2324.24	80.07	-487.10	-474.28	67.25	84.31	0.04	-5.93	-0.71	-5.19	1.97
712	6	179	2414.25	40.60	-418.08	-415.34	37.86	35.35	15.52	5.76	5.77	15.50	0.44
		985	3157.14	-8.65	-458.67	-444.89	-22.44	77.55	10.27	-15.85	-9.69	4.11	-11.09
		1003	3104.23	-7.88	-435.55	-420.99	-22.44	77.55	-5.75	-29.12	-15.63	-19.24	-11.55
		183	2164.37	40.75	-394.34	-391.45	37.86	35.35	-0.17	-7.85	-0.17	-7.85	-0.02
712	7	179	2374.61	37.88	-413.99	-411.49	35.39	33.48	15.37	5.80	5.82	15.35	0.41
		985	3139.82	-10.41	-453.22	-440.27	-23.35	74.59	10.14	-15.94	-9.70	3.90	-11.13
		1003	3094.65	-9.51	-425.42	-411.59	-23.35	74.59	-5.74	-29.32	-15.61	-19.45	-11.63
		183	2142.41	38.05	-385.47	-382.81	35.39	33.48	-0.09	-7.99	-0.09	-7.99	-0.10
712	8	179	1949.45	32.74	-333.37	-330.92	30.30	29.82	12.68	4.65	4.72	12.61	0.76
		985	2494.49	-6.40	-366.24	-354.61	-18.04	63.65	7.79	-12.47	-7.85	3.18	-8.50
		1003	2451.09	-5.39	-338.36	-325.71	-18.04	63.65	-4.83	-23.30	-12.53	-15.60	-9.11
		183	1695.12	32.95	-304.68	-302.02	30.30	29.82	0.04	-6.17	0.04	-6.16	0.15
712	9	179	1705.70	27.64	-295.64	-293.93	25.93	23.45	11.02	4.10	4.11	11.00	0.36
		985	2237.22	-7.36	-323.96	-314.76	-16.57	53.20	7.21	-11.25	-6.89	2.85	-7.84
		1003	2204.23	-6.79	-306.11	-296.34	-16.57	53.20	-4.11	-20.71	-11.11	-13.72	-8.20
		183	1524.91	27.74	-277.33	-275.52	25.93	23.45	-0.10	-5.57	-0.10	-5.57	1.84e-04
712	10	179	1776.49	29.94	-306.43	-304.21	27.72	27.27	11.45	4.24	4.29	11.40	0.63
		985	2284.94	-5.86	-336.43	-325.84	-16.44	58.19	7.08	-11.48	-7.18	2.78	-7.83
		1003	2256.28	-4.96	-311.22	-299.73	-16.44	58.19	-4.38	-21.41	-11.47	-14.33	-8.40
		183	1561.67	30.13	-280.51	-278.10	27.72	27.27	0.01	-5.71	0.01	-5.71	0.07
712	11	179	1714.81	28.84	-297.99	-296.01	26.87	25.34	10.99	4.09	4.11	10.97	0.34
		985	2241.78	-6.12	-326.84	-316.99	-15.96	55.32	7.20	-11.29	-6.91	2.82	-7.87
		1003	2207.30	-5.51	-308.93	-298.49	-15.96	55.32	-4.10	-20.78	-11.12	-13.76	-8.23
		183	1539.74	28.96	-279.60	-277.50	26.87	25.34	-0.10	-5.61	-0.10	-5.61	-0.03
713	1	993	2344.57	-6.78	-277.44	-269.61	-14.60	45.36	-6.46	-23.37	-13.24	-16.60	-8.28
		180	1386.40	6.93	-265.17	-261.07	2.83	33.15	0.79	-5.26	0.40	-4.88	1.48
		184	2017.71	6.07	-336.38	-333.14	2.83	33.15	14.34	3.50	4.97	12.87	3.71
		1011	2330.19	-8.43	-347.85	-341.68	-14.60	45.36	4.03	-11.55	-8.67	1.15	-6.05
713	2	993	2353.01	-7.48	-277.12	-269.54	-15.06	44.56	-6.43	-23.47	-13.24	-16.66	-8.34
		180	1390.39	5.85	-265.27	-261.26	1.84	32.73	0.72	-5.35	0.37	-5.01	1.41
		184	1995.22	5.01	-336.16	-332.99	1.84	32.73	14.14	3.54	4.95	12.74	3.59
		1011	2331.23	-9.08	-347.25	-341.27	-15.06	44.56	4.07	-11.64	-8.66	1.08	-6.16
713	3	993	2434.50	-9.52	-277.55	-270.76	-16.31	42.11	-6.50	-24.55	-13.50	-17.55	-8.79
		180	1430.40	2.46	-267.15	-263.40	-1.29	31.59	0.69	-5.69	0.46	-5.46	1.17
		184	1968.64	1.65	-340.72	-337.78	-1.29	31.59	13.98	3.66	5.10	12.55	3.57
		1011	2350.95	-11.01	-350.45	-345.14	-16.31	42.11	3.71	-12.11	-8.86	0.46	-6.39
713	4	993	2459.85	-17.07	-265.92	-264.01	-18.99	21.74	-6.40	-24.09	-13.33	-17.16	-8.63
		180	1375.83	-15.82	-265.04	-263.31	-17.56	20.74	0.65	-5.59	0.45	-5.38	1.11
		184	1960.27	-16.35	-372.18	-370.97	-17.56	20.74	13.47	3.54	4.88	12.14	3.39
		1011	2491.26	-17.65	-373.00	-371.67	-18.99	21.74	3.59	-12.13	-8.90	0.36	-6.35
713	5	993	2844.54	-27.14	-269.30	-268.78	-27.67	11.31	-6.21	-28.49	-14.23	-20.48	-10.69
		180	1577.26	-33.78	-273.44	-272.32	-34.90	16.37	0.16	-8.67	0.15	-8.66	-0.36
		184	1728.14	-34.12	-377.04	-376.25	-34.90	16.37	10.61	4.60	4.99	10.22	1.47
		1011	2665.73	-27.30	-373.08	-372.71	-27.67	11.31	4.19	-15.17	-9.39	-1.60	-8.86
713	6	993	2369.82	-15.41	-264.49	-262.28	-17.63	23.39	-6.34	-22.89	-13.06	-16.17	-8.13
		180	1330.68	-12.87	-262.68	-260.85	-14.71	21.34	0.76	-5.14	0.40	-4.78	1.41
		184	2011.66	-13.43	-370.87	-369.59	-14.71	21.34	13.85	3.39	4.75	12.48	3.53
		1011	2483.33	-16.09	-372.56	-371.02	-17.63	23.39	3.94	-11.57	-8.71	1.09	-6.01
713	7	993	2339.24	-7.01	-277.23	-269.52	-14.72	44.97	-6.50	-23.27	-13.23	-16.53	-8.22
		180	1379.16	6.59	-265.10	-261.06	2.55	32.89	0.86	-5.17	0.43	-4.74	1.54
		184	2034.59	5.74	-336.59	-333.40	2.55	32.89	14.55	3.45	4.99	13.01	3.84
		1011	2329.11	-8.65	-347.93	-341.86	-14.72	44.97	3.99	-11.45	-8.67	1.22	-5.93
713	8	993	1866.33	-7.25	-213.73	-208.51	-12.47	32.41	-4.96	-18.78	-10.34	-13.40	-6.74

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		180	1096.65	1.88	-205.81	-202.90	-1.03	24.40	0.50	-4.34	0.33	-4.17	0.89
		184	1508.60	1.25	-262.13	-259.85	-1.03	24.40	10.66	2.81	3.89	9.59	2.70
		1011	1806.42	-8.38	-269.54	-265.45	-12.47	32.41	2.88	-9.30	-6.78	0.36	-4.93
713	9	993	1679.46	-5.16	-196.84	-191.38	-10.62	31.89	-4.64	-16.81	-9.47	-11.98	-5.95
		180	992.14	4.53	-188.21	-185.36	1.67	23.29	0.58	-3.80	0.32	-3.54	1.03
		184	1436.36	3.92	-239.32	-237.07	1.67	23.29	10.27	2.50	3.58	9.19	2.68
		1011	1659.10	-6.32	-247.38	-243.09	-10.62	31.89	2.80	-8.27	-6.21	0.75	-4.30
713	10	993	1729.70	-6.68	-196.90	-192.01	-11.56	30.08	-4.66	-17.46	-9.61	-12.52	-6.23
		180	1016.55	2.05	-189.31	-186.65	-0.62	22.42	0.53	-4.03	0.36	-3.86	0.86
		184	1409.01	1.47	-241.73	-239.65	-0.62	22.42	10.07	2.60	3.65	9.02	2.60
		1011	1670.57	-7.75	-248.83	-245.01	-11.56	30.08	2.62	-8.58	-6.32	0.36	-4.50
713	11	993	1693.41	-10.11	-189.49	-187.30	-12.30	19.68	-4.58	-16.55	-9.37	-11.75	-5.87
		180	960.68	-6.51	-186.80	-185.23	-8.07	16.73	0.57	-3.73	0.32	-3.48	1.00
		184	1431.57	-6.95	-258.43	-257.32	-8.07	16.73	10.00	2.44	3.46	8.98	2.58
		1011	1744.03	-10.74	-260.94	-259.39	-12.30	19.68	2.75	-8.28	-6.24	0.71	-4.28
714	1	992	4868.82	-12.40	-822.30	-822.30	-12.40	0.85	-8.70	-31.50	-19.36	-20.84	-11.37
		993	3421.87	51.88	-794.02	-791.86	49.72	-42.63	-3.24	-8.21	-3.47	-7.97	-1.06
		1011	4508.04	51.65	-894.39	-892.46	49.72	-42.63	14.71	0.60	0.78	14.53	1.58
		1010	5395.10	-12.40	-922.90	-922.90	-12.40	0.85	5.38	-18.83	-15.11	1.66	-8.73
714	2	992	4880.73	-12.84	-823.42	-823.42	-12.84	-0.88	-8.63	-31.54	-19.36	-20.81	-11.43
		993	3424.89	51.18	-795.48	-793.18	48.88	-44.08	-3.24	-8.29	-3.50	-8.02	-1.13
		1011	4510.17	50.93	-896.30	-894.24	48.88	-44.08	14.59	0.59	0.74	14.44	1.45
		1010	5409.04	-12.84	-924.48	-924.48	-12.84	-0.88	5.47	-18.92	-15.11	1.66	-8.85
714	3	992	4943.32	-13.47	-835.29	-835.27	-13.50	-4.71	-8.63	-31.95	-19.40	-21.18	-11.63
		993	3476.03	51.85	-807.35	-804.60	49.10	-48.52	-3.33	-8.93	-3.77	-8.50	-1.50
		1011	4530.54	51.54	-914.67	-912.22	49.10	-48.52	13.29	0.24	0.34	13.19	1.13
		1010	5454.87	-13.47	-942.92	-942.90	-13.50	-4.71	4.58	-19.36	-15.29	0.51	-8.99
714	4	992	5012.30	-8.30	-847.57	-847.36	-8.51	-13.17	-8.63	-31.92	-19.43	-21.11	-11.61
		993	3531.42	64.27	-818.04	-813.79	60.01	-61.14	-3.39	-8.88	-3.86	-8.41	-1.53
		1011	4624.15	63.79	-930.01	-926.24	60.01	-61.14	13.20	0.11	0.22	13.09	1.16
		1010	5543.93	-8.33	-960.00	-959.81	-8.51	-13.17	4.41	-19.38	-15.36	0.39	-8.92
714	5	992	5484.83	-13.00	-899.72	-898.15	-14.56	-37.19	-8.12	-35.95	-20.64	-23.44	-13.85
		993	3818.53	59.16	-873.27	-865.73	51.62	-83.52	-3.08	-12.26	-4.45	-10.89	-3.28
		1011	4814.02	58.32	-989.54	-982.84	51.62	-83.52	11.84	-0.24	-0.13	11.73	-1.15
		1010	5981.46	-13.18	-1016.64	-1015.26	-14.56	-37.19	5.48	-22.61	-16.31	-0.82	-11.72
714	6	992	4944.60	-7.04	-835.44	-835.36	-7.13	-8.63	-8.69	-31.45	-19.40	-20.74	-11.36
		993	3480.82	64.88	-805.55	-801.87	61.20	-56.46	-3.30	-8.12	-3.56	-7.86	-1.09
		1011	4614.78	64.47	-912.48	-909.21	61.20	-56.46	14.65	0.47	0.65	14.46	1.60
		1010	5500.07	-7.05	-942.77	-942.69	-7.13	-8.63	5.25	-18.86	-15.19	1.58	-8.66
714	7	992	4863.28	-12.50	-821.69	-821.69	-12.50	0.18	-8.77	-31.43	-19.35	-20.85	-11.31
		993	3417.17	51.40	-793.64	-791.45	49.21	-43.01	-3.24	-8.12	-3.45	-7.91	-0.99
		1011	4501.91	51.17	-892.89	-890.93	49.21	-43.01	14.78	0.59	0.80	14.57	1.71
		1010	5382.09	-12.50	-921.17	-921.17	-12.50	0.18	5.28	-18.74	-15.10	1.64	-8.61
714	8	992	3799.90	-10.37	-643.17	-643.14	-10.39	-3.72	-6.56	-24.43	-14.86	-16.12	-8.91
		993	2667.62	39.94	-621.65	-619.52	37.82	-37.47	-2.58	-6.82	-2.94	-6.46	-1.18
		1011	3488.55	39.71	-704.40	-702.51	37.82	-37.47	10.14	0.14	0.21	10.07	0.81
		1010	4197.24	-10.37	-726.15	-726.13	-10.39	-3.72	3.55	-14.86	-11.72	0.41	-6.93
714	9	992	3467.70	-8.90	-584.58	-584.58	-8.90	0.17	-6.26	-22.57	-13.82	-15.02	-8.13
		993	2441.90	36.75	-564.55	-562.98	35.18	-30.68	-2.28	-5.95	-2.45	-5.79	-0.77
		1011	3200.52	36.58	-636.18	-634.78	35.18	-30.68	10.42	0.44	0.58	10.29	1.16
		1010	3835.62	-8.90	-656.38	-656.38	-8.90	0.17	3.71	-13.45	-10.79	1.05	-6.21
714	10	992	3509.17	-9.50	-591.79	-591.78	-9.51	-2.92	-6.22	-22.83	-13.84	-15.21	-8.27
		993	2472.00	36.73	-571.95	-570.05	34.83	-33.96	-2.34	-6.35	-2.61	-6.08	-1.01
		1011	3212.64	36.52	-647.45	-645.76	34.83	-33.96	9.63	0.24	0.33	9.54	0.91
		1010	3868.85	-9.50	-667.50	-667.49	-9.51	-2.92	3.26	-13.74	-10.89	0.41	-6.35
714	11	992	3509.66	-5.93	-591.87	-591.83	-5.97	-5.09	-6.26	-22.55	-13.84	-14.97	-8.13
		993	2474.54	43.96	-570.94	-568.54	41.55	-38.36	-2.32	-5.90	-2.50	-5.72	-0.79
		1011	3259.67	43.69	-646.22	-644.08	41.55	-38.36	10.39	0.37	0.51	10.25	1.17
		1010	3893.92	-5.94	-667.41	-667.37	-5.97	-5.09	3.64	-13.47	-10.84	1.01	-6.17
715	1	991	6869.52	-8.16	-1295.15	-1294.88	-8.43	-18.66	-6.99	-30.67	-21.16	-16.50	-11.61
		992	5835.57	55.12	-1267.96	-1265.13	52.29	-61.16	-4.51	-12.75	-9.57	-7.69	-4.01
		1010	6629.08	54.98	-1337.39	-1334.70	52.29	-61.16	9.78	-6.80	-6.36	9.34	-2.67
		1009	7420.50	-8.17	-1364.71	-1364.45	-8.43	-18.66	5.10	-22.52	-17.95	0.53	-10.26
715	2	991	6890.12	-8.47	-1297.93	-1297.58	-8.83	-21.40	-6.86	-30.65	-21.15	-16.36	-11.65
		992	5855.93	54.57	-1271.08	-1268.02	51.50	-63.63	-4.42	-12.83	-9.60	-7.65	-4.09
		1010	6653.33	54.41	-1341.99	-1339.08	51.50	-63.63	9.80	-6.90	-6.41	9.31	-2.81
		1009	7449.64	-8.49	-1368.98	-1368.64	-8.83	-21.40	5.24	-22.60	-17.97	0.60	-10.37
715	3	991	6972.94	-8.44	-1321.24	-1320.78	-8.90	-24.60	-6.86	-30.58	-21.06	-16.38	-11.63
		992	5999.83	56.74	-1293.75	-1290.31	53.29	-68.13	-4.57	-13.81	-10.19	-8.19	-4.51
		1010	6735.81	56.56	-1368.49	-1365.23	53.29	-68.13	7.96	-7.97	-7.25	7.24	-3.31
		1009	7504.91	-8.46	-1396.14	-1395.70	-8.90	-24.60	3.97	-23.04	-18.12	-0.95	-10.43
715	4	991	7040.05	-5.84	-1336.23	-1335.73	-6.34	-25.60	-7.00	-30.76	-21.18	-16.58	-11.65

		992	6068.16	65.83	-1306.23	-1302.30	61.90	-73.36	-4.69	-13.85	-10.24	-8.30	-4.48
		1010	6794.49	65.64	-1376.95	-1373.21	61.90	-73.36	7.96	-7.96	-7.27	7.27	-3.24
		1009	7557.82	-5.87	-1407.11	-1406.64	-6.34	-25.60	3.88	-23.11	-18.20	-1.02	-10.41
715	5	991	7718.40	-7.54	-1443.12	-1440.55	-10.11	-60.73	-5.84	-33.92	-22.51	-17.25	-13.79
		992	6649.85	67.76	-1414.52	-1406.38	59.62	-109.54	-3.91	-16.93	-11.25	-9.58	-6.46
		1010	7452.28	67.29	-1505.32	-1497.66	59.62	-109.54	8.30	-10.47	-8.36	6.18	-5.93
		1009	8344.44	-7.69	-1534.24	-1531.82	-10.11	-60.73	5.51	-26.62	-19.62	-1.49	-13.26
715	6	991	6945.79	-5.57	-1311.81	-1311.50	-5.88	-20.06	-7.13	-30.85	-21.30	-16.69	-11.63
		992	5911.96	64.85	-1281.85	-1278.49	61.48	-67.21	-4.61	-12.78	-9.62	-7.77	-3.98
		1010	6702.63	64.69	-1348.36	-1345.15	61.48	-67.21	9.83	-6.78	-6.37	9.42	-2.59
		1009	7488.12	-5.58	-1378.45	-1378.16	-5.88	-20.06	5.05	-22.59	-18.05	0.50	-10.24
715	7	991	6861.72	-8.14	-1294.14	-1293.84	-8.44	-19.66	-7.11	-30.65	-21.16	-16.60	-11.54
		992	5827.65	54.70	-1267.23	-1264.33	51.80	-61.83	-4.60	-12.68	-9.56	-7.73	-3.94
		1010	6608.03	54.56	-1334.01	-1331.25	51.80	-61.83	9.71	-6.74	-6.34	9.30	-2.54
		1009	7397.27	-8.15	-1361.05	-1360.76	-8.44	-19.66	4.93	-22.44	-17.94	0.43	-10.15
715	8	991	5366.61	-6.49	-1017.50	-1017.14	-6.85	-19.01	-5.15	-23.35	-16.13	-12.37	-8.91
		992	4630.09	43.76	-996.32	-993.65	41.09	-52.57	-3.44	-10.64	-7.89	-6.19	-3.50
		1010	5191.39	43.62	-1054.10	-1051.57	41.09	-52.57	6.07	-6.24	-5.65	5.49	-2.62
		1009	5776.25	-6.51	-1075.40	-1075.06	-6.85	-19.01	3.09	-17.69	-13.89	-0.70	-8.03
715	9	991	4885.75	-5.82	-921.04	-920.84	-6.02	-13.75	-5.10	-21.96	-15.10	-11.96	-8.28
		992	4143.58	39.15	-901.76	-899.71	37.10	-43.94	-3.30	-9.13	-6.80	-5.63	-2.86
		1010	4706.70	39.05	-951.08	-949.12	37.10	-43.94	6.84	-4.82	-4.51	6.53	-1.87
		1009	5273.72	-5.83	-970.45	-970.25	-6.02	-13.75	3.47	-16.08	-12.81	0.21	-7.29
715	10	991	4943.14	-5.97	-935.54	-935.23	-6.29	-17.05	-5.02	-21.91	-15.04	-11.89	-8.30
		992	4234.85	40.05	-916.09	-913.70	37.66	-47.81	-3.33	-9.72	-7.14	-5.91	-3.14
		1010	4765.67	39.93	-968.35	-966.08	37.66	-47.81	5.83	-5.47	-5.01	5.37	-2.22
		1009	5320.67	-5.99	-987.91	-987.61	-6.29	-17.05	2.84	-16.37	-12.90	-0.62	-7.38
715	11	991	4928.09	-4.38	-930.30	-930.07	-4.61	-14.53	-5.17	-22.06	-15.17	-12.06	-8.30
		992	4185.96	44.56	-909.48	-907.13	42.21	-47.30	-3.35	-9.15	-6.83	-5.67	-2.84
		1010	4747.52	44.45	-957.17	-954.93	42.21	-47.30	6.87	-4.81	-4.52	6.58	-1.82
		1009	5311.27	-4.39	-978.08	-977.87	-4.61	-14.53	3.44	-16.12	-12.87	0.19	-7.28
716	1	990	8446.91	2.15	-1651.76	-1651.33	1.72	-26.62	-3.43	-28.33	-21.28	-10.48	-11.22
		991	7895.35	49.21	-1631.09	-1629.06	47.17	-58.44	-2.44	-18.41	-14.80	-6.05	-6.68
		1009	8265.24	49.18	-1652.33	-1650.32	47.17	-58.44	6.52	-14.89	-12.62	4.25	-6.59
		1008	8758.59	2.14	-1673.02	-1672.60	1.72	-26.62	4.96	-24.25	-19.10	-0.18	-11.12
716	2	990	8479.99	2.14	-1656.69	-1656.15	1.60	-29.96	-3.23	-28.28	-21.27	-10.25	-11.25
		991	7929.75	49.20	-1636.20	-1633.94	46.94	-61.69	-2.28	-18.47	-14.83	-5.91	-6.76
		1009	8309.60	49.17	-1659.73	-1657.50	46.94	-61.69	6.62	-15.03	-12.69	4.29	-6.72
		1008	8803.63	2.14	-1680.25	-1679.71	1.60	-29.96	5.13	-24.31	-19.13	-0.05	-11.21
716	3	990	8593.05	2.56	-1689.38	-1688.79	1.97	-31.71	-3.26	-27.98	-21.12	-10.12	-11.07
		991	8125.03	51.69	-1668.07	-1665.62	49.24	-64.80	-2.62	-19.60	-15.65	-6.57	-7.18
		1009	8427.39	51.66	-1689.82	-1687.40	49.24	-64.80	4.62	-16.71	-13.80	1.72	-7.32
		1008	8857.09	2.56	-1711.15	-1710.57	1.97	-31.71	3.65	-24.75	-19.26	-1.84	-11.21
716	4	990	8650.50	3.29	-1704.69	-1704.26	2.86	-27.16	-3.48	-28.23	-21.27	-10.45	-11.13
		991	8177.00	56.66	-1681.32	-1679.02	54.36	-63.21	-2.80	-19.62	-15.67	-6.75	-7.13
		1009	8447.06	56.64	-1693.18	-1690.89	54.36	-63.21	4.66	-16.59	-13.75	1.82	-7.23
		1008	8879.07	3.29	-1716.56	-1716.13	2.86	-27.16	3.62	-24.83	-19.34	-1.88	-11.23
716	5	990	9622.29	7.15	-1873.54	-1871.19	4.80	-66.40	-1.21	-30.36	-22.61	-8.96	-12.88
		991	9130.31	69.13	-1848.63	-1842.62	63.11	-107.22	-1.19	-22.54	-17.20	-6.53	-9.25
		1009	9589.45	68.96	-1902.11	-1896.26	63.11	-107.22	5.66	-20.69	-15.82	0.80	-10.23
		1008	1.006e+04	7.08	-1927.11	-1924.83	4.80	-66.40	5.54	-28.41	-21.23	-1.64	-13.86
716	6	990	8514.84	2.66	-1669.07	-1668.76	2.35	-22.75	-3.64	-28.59	-21.45	-10.79	-11.28
		991	7956.57	53.93	-1646.38	-1644.44	51.99	-57.50	-2.60	-18.42	-14.82	-6.20	-6.63
		1009	8300.69	53.92	-1658.87	-1656.93	51.99	-57.50	6.61	-14.76	-12.57	4.41	-6.49
		1008	8796.61	2.65	-1681.56	-1681.26	2.35	-22.75	4.96	-24.33	-19.19	-0.18	-11.14
716	7	990	8436.12	2.31	-1650.63	-1650.16	1.85	-27.71	-3.63	-28.37	-21.30	-10.71	-11.18
		991	7882.76	49.10	-1630.13	-1628.03	47.00	-59.32	-2.60	-18.37	-14.79	-6.19	-6.61
		1009	8232.46	49.08	-1646.84	-1644.76	47.00	-59.32	6.38	-14.79	-12.58	4.17	-6.46
		1008	8726.25	2.31	-1667.35	-1666.89	1.85	-27.71	4.76	-24.20	-19.09	-0.35	-11.03
716	8	990	6617.57	1.98	-1301.13	-1300.67	1.53	-24.40	-2.34	-21.36	-16.17	-7.52	-8.47
		991	6269.03	39.89	-1284.68	-1282.79	38.01	-49.94	-1.89	-15.12	-12.10	-4.91	-5.55
		1009	6496.19	39.87	-1301.61	-1299.75	38.01	-49.94	3.52	-12.99	-10.70	1.23	-5.70
		1008	6817.40	1.98	-1318.08	-1317.63	1.53	-24.40	2.84	-18.99	-14.77	-1.38	-8.62
716	9	990	6004.92	1.56	-1174.91	-1174.59	1.24	-19.42	-2.62	-20.28	-15.19	-7.71	-8.00
		991	5607.84	35.03	-1160.24	-1158.76	33.55	-42.04	-1.89	-13.14	-10.53	-4.50	-4.75
		1009	5869.19	35.01	-1174.85	-1173.39	33.55	-42.04	4.49	-10.58	-8.97	2.88	-4.66
		1008	6223.82	1.55	-1189.54	-1189.22	1.24	-19.42	3.36	-17.31	-13.63	-0.32	-7.91
716	10	990	6085.97	1.79	-1195.81	-1195.40	1.38	-22.24	-2.52	-20.08	-15.09	-7.51	-7.92
		991	5735.46	36.41	-1180.78	-1179.07	34.70	-45.57	-1.99	-13.80	-11.00	-4.79	-5.03
		1009	5959.03	36.39	-1195.68	-1193.99	34.70	-45.57	3.44	-11.59	-9.63	1.48	-5.06
		1008	6278.61	1.78	-1210.73	-1210.32	1.38	-22.24	2.62	-17.59	-13.72	-1.25	-7.95
716	11	990	6042.65	1.84	-1184.53	-1184.27	1.59	-17.27	-2.73	-20.42	-15.28	-7.88	-8.03

		991	5641.82	37.65	-1168.73	-1167.30	36.22	-41.51	-1.98	-13.14	-10.54	-4.59	-4.72
		1009	5888.84	37.64	-1178.48	-1177.07	36.22	-41.51	4.54	-10.51	-8.94	2.97	-4.60
		1008	6244.92	1.84	-1194.29	-1194.04	1.59	-17.27	3.36	-17.36	-13.68	-0.32	-7.92
717	1	989	9440.14	14.64	-1870.44	-1869.85	14.06	-33.16	1.07	-25.20	-19.98	-4.14	-10.48
		990	9289.27	37.66	-1860.16	-1858.91	36.40	-48.79	0.51	-22.69	-18.49	-3.69	-8.93
		1008	9262.53	37.68	-1830.70	-1829.42	36.40	-48.79	4.39	-21.73	-17.31	-0.03	-9.79
		1007	9411.65	14.65	-1840.96	-1840.37	14.06	-33.16	4.94	-24.21	-18.80	-0.48	-11.34
717	2	989	9486.40	14.96	-1877.81	-1877.12	14.28	-36.05	1.32	-25.15	-19.98	-3.85	-10.50
		990	9337.31	38.60	-1867.32	-1865.90	37.18	-52.09	0.72	-22.73	-18.53	-3.48	-8.99
		1008	9320.55	38.63	-1839.97	-1838.53	37.18	-52.09	4.54	-21.85	-17.39	0.08	-9.89
		1007	9468.02	14.97	-1850.45	-1849.75	14.28	-36.05	5.12	-24.26	-18.84	-0.30	-11.39
717	3	989	9620.39	15.60	-1916.32	-1915.63	14.91	-36.62	1.28	-24.74	-19.80	-3.66	-10.21
		990	9560.28	40.53	-1905.27	-1903.79	39.06	-53.53	0.22	-23.96	-19.49	-4.24	-9.38
		1008	9453.33	40.56	-1870.68	-1869.18	39.06	-53.53	2.49	-23.90	-18.64	-2.77	-10.54
		1007	9513.17	15.62	-1881.72	-1881.02	14.91	-36.62	3.55	-24.69	-18.95	-2.19	-11.37
717	4	989	9659.08	15.24	-1928.26	-1927.77	14.76	-30.62	1.08	-24.92	-19.90	-3.93	-10.26
		990	9592.46	40.98	-1916.69	-1915.51	39.79	-48.15	0.05	-23.98	-19.51	-4.43	-9.36
		1008	9448.63	41.00	-1871.87	-1870.66	39.79	-48.15	2.51	-23.82	-18.59	-2.71	-10.50
		1007	9514.96	15.25	-1883.42	-1882.92	14.76	-30.62	3.55	-24.76	-18.99	-2.22	-11.41
717	5	989	1.095e+04	15.13	-2163.38	-2161.67	13.42	-61.04	4.92	-26.06	-21.15	7.94e-03	-11.32
		990	1.093e+04	63.47	-2143.03	-2139.08	59.52	-93.31	2.93	-26.91	-21.56	-2.41	-11.44
		1008	1.107e+04	63.43	-2167.35	-2163.44	59.52	-93.31	3.40	-29.06	-21.79	-3.87	-13.53
		1007	1.108e+04	15.11	-2187.72	-2186.03	13.42	-61.04	5.29	-28.11	-21.37	-1.45	-13.41
717	6	989	9492.26	14.19	-1884.89	-1884.47	13.77	-28.33	0.88	-25.40	-20.11	-4.41	-10.54
		990	9333.51	37.74	-1874.25	-1873.22	36.71	-44.39	0.36	-22.71	-18.51	-3.84	-8.90
		1008	9277.59	37.77	-1836.12	-1835.07	36.71	-44.39	4.45	-21.63	-17.26	0.08	-9.74
		1007	9434.17	14.20	-1846.74	-1846.31	13.77	-28.33	4.96	-24.30	-18.86	-0.48	-11.38
717	7	989	9425.90	14.91	-1869.32	-1868.70	14.29	-34.04	0.78	-25.30	-20.03	-4.49	-10.47
		990	9271.94	37.88	-1859.08	-1857.78	36.58	-49.64	0.27	-22.68	-18.48	-3.93	-8.87
		1008	9219.51	37.90	-1823.17	-1821.85	36.58	-49.64	4.23	-21.61	-17.24	-0.13	-9.68
		1007	9371.40	14.92	-1833.39	-1832.77	14.29	-34.04	4.72	-24.21	-18.79	-0.70	-11.28
717	8	989	7411.02	12.02	-1475.94	-1475.41	11.48	-28.13	1.19	-18.87	-15.15	-2.53	-7.80
		990	7375.66	31.26	-1467.41	-1466.28	30.13	-41.18	0.32	-18.48	-15.06	-3.11	-7.25
		1008	7287.07	31.28	-1440.90	-1439.75	30.13	-41.18	1.89	-18.54	-14.43	-2.22	-8.19
		1007	7322.10	12.03	-1449.42	-1448.88	11.48	-28.13	2.77	-18.94	-14.52	-1.65	-8.74
717	9	989	6709.89	10.49	-1330.72	-1330.29	10.06	-23.96	0.54	-18.04	-14.27	-3.23	-7.47
		990	6598.62	26.93	-1323.39	-1322.48	26.01	-35.13	0.17	-16.18	-13.16	-2.85	-6.34
		1008	6577.65	26.94	-1301.48	-1300.55	26.01	-35.13	2.98	-15.45	-12.30	-0.17	-6.93
		1007	6687.46	10.50	-1308.80	-1308.36	10.06	-23.96	3.33	-17.30	-13.42	-0.55	-8.06
717	10	989	6809.86	11.02	-1356.21	-1355.72	10.53	-25.89	0.65	-17.78	-14.17	-2.96	-7.32
		990	6749.22	28.52	-1348.45	-1347.41	27.49	-37.76	8.82e-03	-16.88	-13.71	-3.16	-6.59
		1008	6683.47	28.54	-1323.69	-1322.64	27.49	-37.76	1.92	-16.66	-13.04	-1.69	-7.35
		1007	6743.92	11.03	-1331.45	-1330.95	10.53	-25.89	2.57	-17.56	-13.50	-1.49	-8.08
717	11	989	6738.85	10.23	-1338.75	-1338.41	9.90	-21.28	0.44	-18.15	-14.34	-3.37	-7.50
		990	6623.19	26.97	-1331.22	-1330.43	26.19	-32.68	0.08	-16.19	-13.17	-2.94	-6.33
		1008	6585.99	26.99	-1304.49	-1303.68	26.19	-32.68	3.01	-15.40	-12.28	-0.11	-6.91
		1007	6699.96	10.24	-1312.01	-1311.66	9.90	-21.28	3.34	-17.34	-13.45	-0.55	-8.08
718	1	988	9735.99	29.62	-1937.98	-1937.12	28.76	-41.14	6.23	-20.62	-16.98	2.59	-9.19
		989	9963.32	24.89	-1940.11	-1939.37	24.16	-37.93	3.91	-25.39	-20.65	-0.83	-10.79
		1007	9554.13	24.92	-1863.41	-1862.65	24.16	-37.93	2.34	-27.25	-20.56	-4.36	-12.38
		1006	9310.29	29.65	-1861.29	-1860.40	28.76	-41.14	4.50	-22.32	-16.89	-0.93	-10.78
718	2	988	9792.15	30.13	-1947.32	-1946.39	29.20	-42.86	6.51	-20.58	-16.98	2.91	-9.19
		989	1.002e+04	26.43	-1948.97	-1948.15	25.61	-40.35	4.15	-25.41	-20.69	-0.57	-10.83
		1007	9617.17	26.46	-1873.63	-1872.77	25.61	-40.35	2.50	-27.33	-20.64	-4.19	-12.44
		1006	9371.35	30.17	-1871.98	-1871.01	29.20	-42.86	4.68	-22.34	-16.94	-0.71	-10.80
718	3	988	9934.03	30.99	-1987.83	-1986.93	30.09	-42.60	6.51	-20.11	-16.77	3.17	-8.82
		989	1.025e+04	27.78	-1989.27	-1988.46	26.97	-40.42	3.55	-26.66	-21.71	-1.39	-11.17
		1007	9754.83	27.82	-1902.62	-1901.77	26.97	-40.42	0.53	-29.61	-21.95	-7.13	-13.12
		1006	9404.71	31.03	-1901.18	-1900.24	30.09	-42.60	3.17	-22.75	-17.00	-2.57	-10.76
718	4	988	9956.58	30.39	-1995.80	-1995.12	29.72	-36.93	6.37	-20.22	-16.83	2.98	-8.87
		989	1.027e+04	26.51	-1997.56	-1996.98	25.93	-34.28	3.43	-26.69	-21.72	-1.54	-11.17
		1007	9738.63	26.54	-1902.14	-1901.53	25.93	-34.28	0.55	-29.58	-21.91	-7.12	-13.12
		1006	9395.42	30.43	-1900.38	-1899.67	29.72	-36.93	3.19	-22.81	-17.02	-2.60	-10.82
718	5	988	1.144e+04	37.50	-2268.94	-2267.90	36.46	-48.89	13.06	-18.86	-16.66	10.85	-8.10
		989	1.192e+04	50.30	-2263.26	-2261.82	48.87	-57.58	7.78	-29.95	-24.65	2.49	-13.10
		1007	1.160e+04	50.32	-2238.38	-2236.93	48.87	-57.58	0.18	-36.67	-26.84	-9.65	-16.29
		1006	1.102e+04	37.51	-2244.06	-2243.01	36.46	-48.89	4.23	-24.37	-18.84	-1.29	-11.29
718	6	988	9775.73	29.15	-1949.35	-1948.67	28.47	-36.66	6.09	-20.77	-17.07	2.39	-9.26
		989	9996.10	23.80	-1951.78	-1951.23	23.24	-33.01	3.80	-25.42	-20.67	-0.95	-10.78
		1007	9561.59	23.82	-1867.98	-1867.40	23.24	-33.01	2.38	-27.20	-20.53	-4.29	-12.36
		1006	9325.77	29.18	-1865.55	-1864.84	28.47	-36.66	4.52	-22.40	-16.93	-0.95	-10.83
718	7	988	9718.08	29.93	-1936.95	-1936.07	29.05	-41.59	5.86	-20.76	-17.05	2.14	-9.22

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		989	9941.66	25.37	-1939.00	-1938.24	24.62	-38.49	3.60	-25.39	-20.64	-1.16	-10.74
		1007	9503.43	25.41	-1854.26	-1853.47	24.62	-38.49	2.18	-27.14	-20.48	-4.48	-12.28
		1006	9264.56	29.97	-1852.22	-1851.30	29.05	-41.59	4.30	-22.36	-16.89	-1.17	-10.77
718	8	988	7654.19	23.85	-1530.99	-1530.30	23.16	-32.72	5.24	-15.32	-12.81	2.73	-6.73
		989	7908.16	21.39	-1532.09	-1531.47	20.77	-31.04	2.89	-20.56	-16.77	-0.90	-8.63
		1007	7519.49	21.42	-1465.45	-1464.81	20.77	-31.04	0.37	-22.94	-16.99	-5.59	-10.17
		1006	7237.82	23.88	-1464.35	-1463.64	23.16	-32.72	2.46	-17.44	-13.03	-1.95	-8.27
718	9	988	6919.34	21.17	-1379.02	-1378.40	20.55	-29.44	4.18	-14.77	-12.14	1.55	-6.56
		989	7077.40	17.95	-1380.47	-1379.94	17.42	-27.25	2.56	-18.09	-14.69	-0.84	-7.65
		1007	6784.60	17.97	-1324.55	-1324.00	17.42	-27.25	1.53	-19.38	-14.61	-3.24	-8.77
		1006	6615.38	21.19	-1323.11	-1322.46	20.55	-29.44	3.04	-15.96	-12.06	-0.86	-7.67
718	10	988	7029.18	21.93	-1406.71	-1406.07	21.29	-30.25	4.33	-14.49	-12.02	1.86	-6.35
		989	7237.30	19.55	-1407.78	-1407.20	18.98	-28.64	2.36	-18.79	-15.28	-1.15	-7.87
		1007	6895.96	19.58	-1346.33	-1345.73	18.98	-28.64	0.52	-20.69	-15.39	-4.78	-9.18
		1006	6667.89	21.96	-1345.27	-1344.60	21.29	-30.25	2.30	-16.20	-12.13	-1.77	-7.66
718	11	988	6941.44	20.90	-1385.33	-1384.82	20.39	-26.95	4.10	-14.86	-12.19	1.43	-6.59
		989	7095.62	17.33	-1386.95	-1386.52	16.91	-24.52	2.50	-18.10	-14.70	-0.91	-7.65
		1007	6788.74	17.35	-1327.09	-1326.64	16.91	-24.52	1.55	-19.35	-14.60	-3.20	-8.76
		1006	6623.98	20.93	-1325.47	-1324.93	20.39	-26.95	3.05	-16.00	-12.09	-0.86	-7.70
719	1	957	3085.26	-8.41	-450.26	-433.24	-25.43	85.03	-5.72	-28.45	-15.53	-18.64	-11.26
		16	2165.53	33.93	-411.63	-406.61	28.91	46.99	-0.33	-7.57	-0.33	-7.57	0.11
		20	2475.78	33.59	-443.08	-438.40	28.91	46.99	15.40	5.52	5.54	15.38	0.41
		975	3202.90	-9.55	-480.90	-465.03	-25.43	85.03	10.33	-15.67	-9.66	4.32	-10.96
719	2	957	3067.68	-6.13	-454.09	-435.26	-24.96	89.89	-5.75	-28.17	-15.55	-18.37	-11.12
		16	2157.18	36.15	-414.12	-408.21	30.24	51.26	-0.35	-7.35	-0.36	-7.34	0.25
		20	2531.98	35.69	-451.73	-446.28	30.24	51.26	15.59	5.48	5.51	15.57	0.52
		975	3229.48	-7.61	-490.68	-473.33	-24.96	89.89	10.41	-15.55	-9.68	4.54	-10.86
719	3	957	3190.99	-8.11	-447.58	-428.37	-27.32	89.85	-6.15	-29.89	-16.13	-19.91	-11.72
		16	2198.74	34.92	-406.55	-400.73	29.10	50.36	-0.05	-7.93	-0.05	-7.93	0.11
		20	2556.20	34.32	-456.83	-451.61	29.10	50.36	16.03	5.84	5.91	15.96	0.82
		975	3270.09	-10.11	-496.46	-479.25	-27.32	89.85	9.99	-16.18	-10.17	3.98	-11.01
719	4	957	3479.73	-0.03	-528.67	-508.47	-20.23	101.33	-6.53	-31.17	-16.80	-20.90	-12.15
		16	2527.32	44.27	-487.49	-480.36	37.14	61.18	-0.28	-8.17	-0.28	-8.17	0.14
		20	2695.43	44.57	-466.63	-459.20	37.14	61.18	16.93	5.95	6.08	16.81	1.17
		975	3322.43	0.81	-508.35	-487.31	-20.23	101.33	10.09	-16.46	-10.44	4.07	-11.12
719	5	957	3540.35	22.63	-623.09	-585.35	-15.11	151.49	-6.97	-27.18	-17.33	-16.82	-10.10
		16	2538.05	75.04	-564.81	-548.95	59.18	99.48	0.05	-5.96	-1.05	-4.85	2.33
		20	3508.18	74.88	-570.90	-555.20	59.18	99.48	20.30	5.10	5.55	19.85	2.58
		975	3837.84	22.27	-628.98	-591.60	-15.11	151.49	12.12	-14.97	-10.73	7.88	-9.85
719	6	957	3206.16	-4.46	-486.99	-469.14	-22.32	91.08	-5.73	-28.86	-15.76	-18.84	-11.46
		16	2300.24	38.34	-448.01	-442.24	32.57	52.66	-0.46	-7.50	-0.46	-7.50	0.06
		20	2538.85	38.34	-447.96	-442.19	32.57	52.66	15.77	5.54	5.57	15.75	0.49
		975	3223.82	-4.46	-486.95	-469.09	-22.32	91.08	10.43	-15.76	-9.73	4.41	-11.02
719	7	957	3113.69	-9.51	-439.51	-422.78	-26.24	83.16	-5.69	-29.15	-15.55	-19.29	-11.58
		16	2174.27	31.54	-401.88	-396.90	26.56	46.20	-0.19	-8.03	-0.19	-8.02	-0.16
		20	2411.51	31.15	-438.30	-433.71	26.56	46.20	15.06	5.64	5.64	15.06	0.27
		975	3177.24	-10.84	-474.99	-459.58	-26.24	83.16	10.06	-16.00	-9.72	3.79	-11.14
719	8	957	2451.76	-6.34	-344.46	-329.69	-21.11	69.11	-4.75	-22.99	-12.43	-15.30	-9.01
		16	1689.53	26.85	-312.83	-308.37	22.40	38.65	-0.03	-6.08	-0.04	-6.08	0.12
		20	1973.73	26.39	-351.51	-347.51	22.40	38.65	12.42	4.51	4.56	12.37	0.65
		975	2521.67	-7.88	-382.06	-368.83	-21.11	69.11	7.75	-12.44	-7.84	3.15	-8.47
719	9	957	2195.07	-5.92	-318.69	-306.42	-18.18	60.71	-4.08	-20.39	-11.06	-13.41	-8.07
		16	1543.59	24.02	-291.18	-287.53	20.38	33.72	-0.20	-5.46	-0.20	-5.46	0.03
		20	1753.52	23.76	-315.53	-312.15	20.38	33.72	10.87	3.94	3.96	10.86	0.30
		975	2272.71	-6.82	-342.41	-331.04	-18.18	60.71	7.22	-11.20	-6.90	2.91	-7.80
719	10	957	2264.55	-5.75	-317.20	-303.72	-19.24	63.39	-4.32	-21.19	-11.39	-14.12	-8.32
		16	1562.13	24.58	-288.36	-284.26	20.48	35.59	-0.05	-5.66	-0.05	-5.66	0.03
		20	1798.14	24.16	-323.17	-319.49	20.48	35.59	11.22	4.12	4.16	11.18	0.53
		975	2310.07	-7.13	-351.05	-338.95	-19.24	63.39	7.03	-11.49	-7.18	2.73	-7.82
719	11	957	2261.45	-3.73	-339.09	-326.36	-16.46	64.07	-4.09	-20.61	-11.18	-13.52	-8.18
		16	1618.39	26.48	-311.39	-307.32	22.41	36.86	-0.27	-5.42	-0.27	-5.42	-2.74e-03
		20	1788.56	26.40	-318.25	-314.26	22.41	36.86	11.08	3.95	3.97	11.06	0.35
		975	2284.24	-3.99	-345.77	-333.30	-16.46	64.07	7.28	-11.25	-6.94	2.96	-7.83
720	1	956	6061.83	-7.20	-1022.76	-1022.72	-7.24	6.72	-6.76	-38.02	-22.51	-22.27	-15.63
		957	4276.24	37.82	-1001.49	-1000.92	37.25	-24.42	-1.07	-9.01	-2.55	-7.53	-3.09
		975	5849.77	37.75	-1144.39	-1143.89	37.25	-24.42	22.37	2.35	2.38	22.34	-0.78
		974	7069.21	-7.20	-1165.72	-1165.69	-7.24	6.72	13.34	-23.32	-17.58	7.60	-13.32
720	2	956	6085.14	-5.69	-1029.44	-1029.34	-5.80	10.26	-6.83	-37.98	-22.65	-22.15	-15.57
		957	4290.00	38.39	-1008.28	-1007.88	37.99	-20.40	-1.18	-8.76	-2.60	-7.34	-2.96
		975	5921.32	38.34	-1156.10	-1155.75	37.99	-20.40	22.74	2.37	2.39	22.72	-0.65
		974	7130.38	-5.71	-1177.30	-1177.21	-5.80	10.26	13.55	-23.31	-17.67	7.91	-13.27
720	3	956	6171.44	-6.24	-1031.97	-1031.86	-6.35	10.29	-7.63	-40.06	-23.44	-24.26	-16.21

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		957	4385.33	38.54	-1010.49	-1010.07	38.13	-20.84	-1.12	-9.73	-2.41	-8.44	-3.08
		975	5950.03	38.49	-1169.10	-1168.74	38.13	-20.84	22.85	2.69	2.69	22.84	-0.32
		974	7202.03	-6.26	-1190.62	-1190.53	-6.35	10.29	12.82	-24.13	-18.33	7.02	-13.45
720	4	956	6338.34	0.37	-1072.57	-1072.39	0.19	13.95	-7.92	-40.87	-23.80	-25.00	-16.46
		957	4587.67	36.87	-1054.60	-1054.47	36.75	-11.65	-1.15	-10.07	-2.40	-8.83	-3.09
		975	6029.83	36.86	-1188.90	-1188.79	36.75	-11.65	23.17	2.84	2.84	23.17	-0.22
		974	7297.40	0.35	-1206.87	-1206.71	0.19	13.95	12.88	-24.44	-18.56	7.00	-13.60
720	5	956	6993.35	10.46	-1230.10	-1228.18	8.54	48.82	-8.74	-40.47	-26.15	-23.06	-15.79
		957	4972.75	45.20	-1210.87	-1210.43	44.76	23.46	-2.70	-6.11	-3.01	-5.80	-0.97
		975	7156.54	45.16	-1356.64	-1356.25	44.76	23.46	29.88	3.05	3.15	29.77	1.66
		974	8312.79	10.26	-1375.72	-1374.00	8.54	48.82	17.18	-24.65	-19.99	12.52	-13.16
720	6	956	6133.62	-3.91	-1040.70	-1040.62	-3.99	9.19	-6.77	-38.29	-22.62	-22.43	-15.76
		957	4358.79	37.05	-1021.04	-1020.68	36.70	-19.29	-1.04	-9.09	-2.55	-7.58	-3.15
		975	5889.69	37.01	-1153.59	-1153.27	36.70	-19.29	22.53	2.39	2.42	22.50	-0.79
		974	7112.21	-3.92	-1173.28	-1173.21	-3.99	9.19	13.43	-23.43	-17.65	7.64	-13.41
720	7	956	6000.90	-7.03	-1006.31	-1006.28	-7.07	6.21	-6.76	-38.30	-22.38	-22.68	-15.77
		957	4248.91	37.93	-985.13	-984.52	37.33	-24.87	-0.91	-9.58	-2.50	-7.99	-3.35
		975	5773.52	37.85	-1137.41	-1136.88	37.33	-24.87	21.59	2.26	2.31	21.54	-0.99
		974	7007.50	-7.04	-1158.67	-1158.64	-7.07	6.21	12.77	-23.49	-17.57	6.85	-13.41
720	8	956	4760.05	-4.89	-795.12	-795.04	-4.96	7.85	-5.91	-30.93	-18.11	-18.73	-12.51
		957	3380.07	29.68	-778.55	-778.23	29.36	-16.17	-0.85	-7.44	-1.82	-6.47	-2.34
		975	4590.56	29.64	-900.11	-899.83	29.36	-16.17	17.80	2.14	2.14	17.80	-0.19
		974	5556.15	-4.90	-916.71	-916.64	-4.96	7.85	9.99	-18.60	-14.15	5.54	-10.37
720	9	956	4298.02	-4.93	-724.86	-724.82	-4.97	5.11	-4.84	-27.08	-15.98	-15.94	-11.12
		957	3038.21	26.90	-709.79	-709.40	26.51	-16.93	-0.76	-6.55	-1.83	-5.48	-2.25
		975	4144.90	26.85	-813.80	-813.46	26.51	-16.93	15.64	1.61	1.64	15.61	-0.58
		974	5012.10	-4.94	-828.91	-828.88	-4.97	5.11	9.25	-16.61	-12.51	5.15	-9.45
720	10	956	4358.99	-4.40	-729.97	-729.90	-4.47	7.09	-5.32	-28.22	-16.49	-17.05	-11.45
		957	3098.91	27.30	-714.78	-714.48	27.00	-14.94	-0.79	-6.95	-1.76	-5.98	-2.25
		975	4200.43	27.26	-827.52	-827.26	27.00	-14.94	15.90	1.81	1.81	15.89	-0.32
		974	5085.98	-4.41	-842.74	-842.68	-4.47	7.09	8.96	-17.07	-12.92	4.82	-9.52
720	11	956	4337.83	-3.11	-734.83	-734.77	-3.16	6.48	-4.84	-27.23	-16.04	-16.04	-11.20
		957	3084.11	26.47	-720.64	-720.38	26.21	-14.08	-0.74	-6.60	-1.84	-5.50	-2.28
		975	4167.07	26.44	-818.91	-818.67	26.21	-14.08	15.73	1.64	1.66	15.70	-0.59
		974	5035.96	-3.11	-833.11	-833.06	-3.16	6.48	9.30	-16.68	-12.54	5.17	-9.50
721	1	955	8010.96	10.40	-1477.63	-1477.59	10.36	-7.40	-3.77	-36.44	-23.78	-16.43	-15.92
		956	6652.61	70.08	-1450.60	-1449.08	68.56	-48.14	0.71	-13.02	-8.01	-4.30	-6.61
		974	8085.37	69.95	-1591.29	-1589.89	68.56	-48.14	18.71	-5.55	-4.91	18.06	-3.90
		973	9063.21	10.40	-1618.44	-1618.40	10.36	-7.40	11.37	-26.12	-20.68	5.93	-13.21
721	2	955	8068.45	12.25	-1487.58	-1487.56	12.23	-5.67	-3.84	-36.63	-24.01	-16.46	-15.95
		956	6699.57	70.87	-1460.87	-1459.50	69.50	-45.76	0.69	-12.90	-8.06	-4.15	-6.51
		974	8170.93	70.75	-1606.14	-1604.89	69.50	-45.76	19.16	-5.46	-4.87	18.57	-3.77
		973	9151.59	12.25	-1632.97	-1632.95	12.23	-5.67	11.65	-26.20	-20.82	6.27	-13.21
721	3	955	8138.53	12.19	-1495.42	-1495.40	12.17	-5.38	-5.12	-38.80	-24.93	-18.98	-16.58
		956	6655.10	71.74	-1468.27	-1466.89	70.35	-46.11	-0.13	-13.50	-7.95	-5.68	-6.59
		974	8210.03	71.61	-1625.00	-1623.74	70.35	-46.11	18.95	-5.13	-4.63	18.46	-3.43
		973	9249.68	12.19	-1652.27	-1652.25	12.17	-5.38	10.72	-27.18	-21.61	5.15	-13.42
721	4	955	8246.83	16.84	-1521.15	-1521.13	16.82	-5.08	-5.23	-39.09	-25.05	-19.27	-16.68
		956	6757.91	73.66	-1495.12	-1493.88	72.43	-44.00	-0.19	-13.69	-7.99	-5.90	-6.67
		974	8289.07	73.55	-1645.00	-1643.87	72.43	-44.00	18.83	-5.19	-4.68	18.32	-3.48
		973	9337.59	16.83	-1671.13	-1671.12	16.82	-5.08	10.58	-27.38	-21.74	4.95	-13.49
721	5	955	9485.16	23.07	-1758.22	-1758.05	22.90	17.47	-5.86	-42.26	-28.95	-19.17	-17.53
		956	7839.52	82.57	-1729.29	-1728.97	82.25	-24.08	-0.03	-11.74	-8.73	-3.04	-5.11
		974	9675.92	82.55	-1866.39	-1866.09	82.25	-24.08	27.45	-4.01	-3.94	27.38	-1.46
		973	1.076e+04	23.06	-1895.33	-1895.17	22.90	17.47	16.04	-28.95	-24.16	11.25	-13.88
721	6	955	8057.56	12.64	-1488.44	-1488.41	12.61	-6.58	-3.72	-36.53	-23.80	-16.45	-15.99
		956	6701.19	70.99	-1461.90	-1460.49	69.59	-46.46	0.78	-13.11	-8.02	-4.31	-6.69
		974	8125.45	70.88	-1600.64	-1599.35	69.59	-46.46	18.69	-5.61	-4.94	18.02	-3.97
		973	9104.12	12.64	-1627.29	-1627.27	12.61	-6.58	11.37	-26.20	-20.71	5.88	-13.27
721	7	955	7909.42	10.38	-1457.57	-1457.54	10.35	-7.26	-3.90	-36.48	-23.58	-16.79	-15.93
		956	6555.39	70.23	-1430.49	-1428.95	68.69	-48.10	0.58	-13.37	-7.98	-4.81	-6.80
		974	8005.48	70.09	-1583.07	-1581.67	68.69	-48.10	17.81	-5.76	-5.03	17.08	-4.09
		973	8985.48	10.38	-1610.29	-1610.26	10.35	-7.26	10.68	-26.22	-20.63	5.09	-13.23
721	8	955	6277.15	9.31	-1152.22	-1152.21	9.29	-4.19	-3.98	-30.01	-19.28	-14.71	-12.81
		956	5121.88	55.21	-1131.30	-1130.23	54.15	-35.59	-0.10	-10.32	-6.07	-4.35	-5.04
		974	6330.39	55.12	-1251.32	-1250.35	54.15	-35.59	14.86	-3.83	-3.47	14.49	-2.58
		973	7136.32	9.31	-1272.35	-1272.33	9.29	-4.19	8.41	-20.96	-16.68	4.14	-10.35
721	9	955	5677.41	7.62	-1047.88	-1047.85	7.59	-5.03	-2.76	-25.92	-16.87	-11.81	-11.30
		956	4716.75	49.90	-1028.71	-1027.64	48.84	-33.90	0.42	-9.38	-5.73	-3.23	-4.74
		974	5733.54	49.81	-1131.41	-1130.44	48.84	-33.90	12.96	-4.04	-3.57	12.48	-2.81
		973	6426.86	7.61	-1150.67	-1150.65	7.59	-5.03	7.80	-18.60	-14.70	3.90	-9.37
721	10	955	5748.24	8.61	-1057.76	-1057.75	8.59	-3.90	-3.51	-27.23	-17.51	-13.23	-11.67

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		956	4718.19	50.83	-1038.52	-1037.54	49.84	-32.77	-0.05	-9.66	-5.70	-4.00	-4.73
		974	5802.63	50.73	-1150.14	-1149.25	49.84	-32.77	13.09	-3.80	-3.41	12.70	-2.55
		973	6530.56	8.61	-1169.47	-1169.46	8.59	-3.90	7.44	-19.19	-15.22	3.47	-9.49
721	11	955	5703.27	8.86	-1053.88	-1053.86	8.84	-4.57	-2.73	-25.97	-16.88	-11.82	-11.34
		956	4743.72	50.41	-1034.99	-1033.98	49.41	-32.97	0.46	-9.44	-5.74	-3.24	-4.78
		974	5755.82	50.33	-1136.61	-1135.69	49.41	-32.97	12.95	-4.07	-3.58	12.46	-2.85
		973	6449.58	8.86	-1155.59	-1155.57	8.84	-4.57	7.80	-18.65	-14.72	3.88	-9.40
722	1	954	9198.74	18.55	-1759.00	-1758.53	18.08	-28.70	-0.07	-31.73	-22.62	-9.19	-14.33
		955	8474.03	45.87	-1746.78	-1745.53	44.62	-47.28	3.32	-18.46	-13.35	-1.79	-9.23
		973	9364.23	45.79	-1863.87	-1862.70	44.62	-47.28	12.26	-14.16	-12.07	10.17	-7.13
		972	9978.46	18.52	-1876.14	-1875.70	18.08	-28.70	7.90	-26.46	-21.34	2.77	-12.24
722	2	954	9275.76	20.57	-1771.17	-1770.70	20.09	-29.10	-0.13	-32.07	-22.90	-9.30	-14.45
		955	8533.20	46.57	-1759.53	-1758.32	45.35	-46.78	3.34	-18.43	-13.41	-1.68	-9.17
		973	9454.04	46.49	-1880.29	-1879.15	45.35	-46.78	12.72	-14.01	-12.02	10.74	-7.02
		972	1.008e+04	20.54	-1891.97	-1891.53	20.09	-29.10	8.20	-26.60	-21.51	3.12	-12.29
722	3	954	9329.98	20.57	-1782.52	-1782.06	20.11	-28.71	-1.83	-34.10	-23.89	-12.04	-15.01
		955	8490.31	47.24	-1770.57	-1769.36	46.03	-46.85	2.00	-18.87	-13.36	-3.50	-9.20
		973	9502.48	47.15	-1903.14	-1902.01	46.03	-46.85	12.29	-13.69	-11.84	10.43	-6.70
		972	1.020e+04	20.54	-1915.14	-1914.71	20.11	-28.71	7.18	-27.66	-22.36	1.89	-12.51
722	4	954	9411.63	23.84	-1801.69	-1801.16	23.31	-31.11	-1.86	-34.11	-23.90	-12.08	-15.00
		955	8578.16	48.54	-1790.65	-1789.40	47.30	-47.90	1.94	-19.04	-13.46	-3.64	-9.27
		973	9578.01	48.46	-1922.07	-1920.91	47.30	-47.90	11.98	-13.92	-12.00	10.06	-6.80
		972	1.027e+04	23.80	-1933.16	-1932.66	23.31	-31.11	6.96	-27.77	-22.43	1.62	-12.53
722	5	954	1.107e+04	37.07	-2101.69	-2101.35	36.73	-26.85	-2.32	-40.08	-28.84	-13.56	-17.27
		955	9964.43	53.53	-2094.13	-2093.45	52.85	-38.14	2.93	-18.78	-14.59	-1.26	-8.57
		973	1.109e+04	53.51	-2184.12	-2183.47	52.85	-38.14	20.90	-12.01	-11.20	20.09	-5.10
		972	1.194e+04	37.05	-2191.70	-2191.37	36.73	-26.85	12.78	-30.43	-25.45	7.79	-13.80
722	6	954	9231.42	19.81	-1766.43	-1765.95	19.34	-29.02	8.20e-03	-31.72	-22.59	-9.11	-14.36
		955	8512.48	46.42	-1754.52	-1753.29	45.19	-47.12	3.39	-18.55	-13.39	-1.78	-9.31
		973	9402.20	46.34	-1872.88	-1871.72	45.19	-47.12	12.17	-14.29	-12.14	10.03	-7.22
		972	1.001e+04	19.78	-1884.83	-1884.39	19.34	-29.02	7.85	-26.51	-21.35	2.69	-12.27
722	7	954	9079.72	18.20	-1737.72	-1737.28	17.76	-27.98	-0.33	-31.61	-22.42	-9.53	-14.25
		955	8365.02	45.97	-1725.30	-1724.06	44.73	-46.85	2.99	-18.64	-13.32	-2.33	-9.31
		973	9289.53	45.88	-1855.41	-1854.25	44.73	-46.85	11.40	-14.42	-12.19	9.17	-7.26
		972	9898.77	18.17	-1867.88	-1867.47	17.76	-27.98	7.19	-26.51	-21.29	1.97	-12.19
722	8	954	7194.78	15.78	-1373.36	-1373.01	15.43	-22.11	-1.44	-26.41	-18.48	-9.37	-11.62
		955	6535.14	36.35	-1364.15	-1363.21	35.42	-36.10	1.56	-14.44	-10.23	-2.66	-7.05
		973	7323.69	36.29	-1465.61	-1464.75	35.42	-36.10	9.72	-10.39	-9.01	8.34	-5.09
		972	7866.60	15.76	-1474.87	-1474.54	15.43	-22.11	5.70	-21.33	-17.27	1.63	-9.66
722	9	954	6519.17	13.37	-1247.86	-1247.54	13.04	-20.32	-0.19	-22.56	-16.05	-6.69	-10.16
		955	6009.39	32.69	-1239.22	-1238.34	31.81	-33.45	2.20	-13.23	-9.54	-1.49	-6.58
		973	6644.51	32.64	-1325.17	-1324.34	31.81	-33.45	8.37	-10.19	-8.66	6.85	-5.10
		972	7077.67	13.35	-1333.85	-1333.54	13.04	-20.32	5.32	-18.85	-15.17	1.65	-8.68
722	10	954	6591.99	14.50	-1260.93	-1260.61	14.17	-20.32	-1.16	-23.87	-16.76	-8.28	-10.53
		955	6018.53	33.46	-1252.44	-1251.58	32.60	-33.22	1.47	-13.46	-9.55	-2.44	-6.56
		973	6721.18	33.40	-1346.98	-1346.18	32.60	-33.22	8.38	-9.93	-8.53	6.99	-4.86
		972	7198.95	14.47	-1355.51	-1355.21	14.17	-20.32	4.92	-19.51	-15.74	1.15	-8.83
722	11	954	6537.31	14.07	-1251.99	-1251.66	13.74	-20.49	-0.14	-22.55	-16.04	-6.65	-10.17
		955	6030.75	33.00	-1243.52	-1242.65	32.13	-33.37	2.24	-13.28	-9.56	-1.48	-6.63
		973	6665.64	32.95	-1330.17	-1329.35	32.13	-33.37	8.32	-10.26	-8.70	6.76	-5.15
		972	7097.00	14.05	-1338.67	-1338.36	13.74	-20.49	5.29	-18.87	-15.18	1.60	-8.70
723	1	953	9666.22	29.25	-1882.85	-1881.86	28.26	-43.52	2.74	-27.06	-20.54	-3.79	-12.32
		954	9431.11	31.36	-1881.92	-1880.86	30.31	-44.95	4.84	-22.31	-17.00	-0.47	-10.77
		972	9833.29	31.32	-1954.27	-1953.25	30.31	-44.95	6.52	-20.68	-17.07	2.91	-9.23
		971	1.005e+04	29.22	-1955.21	-1954.25	28.26	-43.52	4.27	-25.28	-20.61	-0.40	-10.78
723	2	953	9752.74	31.44	-1896.38	-1895.29	30.35	-45.92	2.67	-27.47	-20.83	-3.97	-12.49
		954	9498.93	32.11	-1896.09	-1894.97	30.99	-46.37	4.88	-22.35	-17.07	-0.40	-10.77
		972	9919.54	32.07	-1970.15	-1969.08	30.99	-46.37	6.96	-20.52	-17.02	3.47	-9.15
		971	1.015e+04	31.40	-1970.45	-1969.39	30.35	-45.92	4.57	-25.45	-20.79	-0.10	-10.88
723	3	953	9798.72	31.66	-1910.37	-1909.30	30.60	-45.44	0.72	-29.31	-21.83	-6.75	-12.98
		954	9460.90	32.65	-1909.93	-1908.84	31.56	-46.11	3.28	-22.73	-17.07	-2.37	-10.73
		972	9974.35	32.60	-1994.70	-1993.65	31.56	-46.11	6.44	-20.24	-16.87	3.08	-8.85
		971	1.028e+04	31.62	-1995.14	-1994.12	30.60	-45.44	3.59	-26.53	-21.64	-1.30	-11.10
723	4	953	9869.52	34.29	-1926.28	-1925.01	33.02	-49.95	0.69	-29.25	-21.83	-6.74	-12.93
		954	9538.50	33.58	-1926.59	-1925.34	32.33	-49.47	3.20	-22.87	-17.18	-2.49	-10.77
		972	1.004e+04	33.53	-2011.23	-2010.03	32.33	-49.47	6.15	-20.49	-17.05	2.71	-8.93
		971	1.035e+04	34.24	-2010.91	-2009.69	33.02	-49.95	3.37	-26.60	-21.69	-1.54	-11.10
723	5	953	1.180e+04	55.98	-2271.96	-2269.94	53.95	-68.58	0.49	-36.92	-27.12	-9.32	-16.45
		954	1.120e+04	39.78	-2279.02	-2277.59	38.34	-57.66	4.62	-24.34	-18.96	-0.76	-11.26
		972	1.156e+04	39.77	-2285.87	-2284.44	38.34	-57.66	13.99	-18.71	-16.60	11.87	-8.04
		971	1.206e+04	55.97	-2278.81	-2276.79	53.95	-68.58	8.57	-30.01	-24.76	3.32	-13.23
723	6	953	9690.46	29.81	-1888.36	-1887.33	28.78	-44.43	2.82	-27.01	-20.50	-3.70	-12.32

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		954	9461.89	31.59	-1887.57	-1886.49	30.50	-45.63	4.89	-22.40	-17.05	-0.46	-10.84
		972	9868.80	31.55	-1962.51	-1961.47	30.50	-45.63	6.42	-20.83	-17.15	2.74	-9.31
		971	1.008e+04	29.77	-1963.30	-1962.31	28.78	-44.43	4.20	-25.30	-20.60	-0.50	-10.80
723	7	953	9546.62	28.69	-1862.47	-1861.53	27.74	-42.27	2.40	-26.84	-20.35	-4.09	-12.15
		954	9321.05	31.41	-1861.26	-1860.23	30.38	-44.12	4.42	-22.38	-16.97	-0.99	-10.76
		972	9767.66	31.36	-1946.52	-1945.54	30.38	-44.12	5.76	-20.94	-17.17	1.99	-9.29
		971	9980.08	28.65	-1947.74	-1946.83	27.74	-42.27	3.62	-25.28	-20.55	-1.10	-10.68
723	8	953	7555.32	24.38	-1471.80	-1470.98	23.56	-34.99	0.52	-22.71	-16.90	-5.29	-10.06
		954	7282.95	25.12	-1471.47	-1470.62	24.28	-35.50	2.56	-17.42	-13.08	-1.78	-8.24
		972	7685.29	25.09	-1536.17	-1535.36	24.28	-35.50	5.20	-15.41	-12.89	2.68	-6.75
		971	7932.19	24.34	-1536.50	-1535.72	23.56	-34.99	2.92	-20.46	-16.71	-0.83	-8.58
723	9	953	6851.37	20.94	-1336.17	-1335.46	20.23	-30.97	1.78	-19.22	-14.58	-2.87	-8.72
		954	6689.12	22.39	-1335.52	-1334.77	21.64	-31.96	3.24	-15.96	-12.14	-0.58	-7.66
		972	6980.03	22.36	-1389.40	-1388.68	21.64	-31.96	4.31	-14.84	-12.21	1.69	-6.59
		971	7132.06	20.91	-1390.05	-1389.37	20.23	-30.97	2.75	-18.01	-14.65	-0.60	-7.64
723	10	953	6924.85	22.27	-1351.45	-1350.70	21.53	-32.04	0.66	-20.47	-15.30	-4.51	-9.08
		954	6705.77	23.10	-1351.09	-1350.31	22.33	-32.60	2.38	-16.19	-12.18	-1.63	-7.64
		972	7058.28	23.07	-1411.86	-1411.12	22.33	-32.60	4.26	-14.59	-12.10	1.78	-6.38
		971	7259.34	22.24	-1412.23	-1411.52	21.53	-32.04	2.37	-18.70	-15.23	-1.10	-7.82
723	11	953	6864.83	21.24	-1339.23	-1338.50	20.52	-31.48	1.82	-19.20	-14.56	-2.82	-8.72
		954	6706.22	22.51	-1338.66	-1337.89	21.74	-32.34	3.27	-16.00	-12.16	-0.57	-7.70
		972	6999.80	22.48	-1393.98	-1393.24	21.74	-32.34	4.26	-14.92	-12.26	1.59	-6.63
		971	7148.73	21.22	-1394.54	-1393.84	20.52	-31.48	2.72	-18.02	-14.65	-0.65	-7.65
724	1	952	9363.73	37.36	-1848.92	-1847.29	35.73	-55.45	4.78	-21.68	-17.31	0.42	-9.82
		953	9520.27	15.12	-1858.69	-1857.82	14.25	-40.42	5.31	-24.21	-18.87	-0.04	-11.37
		971	9514.86	15.11	-1881.59	-1880.73	14.25	-40.42	1.40	-25.16	-20.01	-3.74	-10.49
		970	9356.59	37.34	-1871.81	-1870.20	35.73	-55.45	0.85	-22.60	-18.46	-3.29	-8.95
724	2	952	9450.59	39.49	-1862.78	-1860.92	37.62	-59.58	4.71	-22.11	-17.59	0.19	-10.04
		953	9591.63	15.82	-1873.10	-1872.09	14.81	-43.61	5.36	-24.31	-18.94	-0.01	-11.42
		971	9589.41	15.81	-1895.04	-1894.04	14.81	-43.61	1.79	-25.00	-19.97	-3.25	-10.47
		970	9447.22	39.47	-1884.71	-1882.87	37.62	-59.58	1.13	-22.80	-18.63	-3.05	-9.08
724	3	952	9493.68	40.15	-1878.60	-1876.77	38.32	-59.33	2.67	-23.71	-18.56	-2.47	-10.45
		953	9562.60	16.22	-1889.05	-1888.07	15.24	-43.18	3.68	-24.64	-18.98	-1.98	-11.32
		971	9645.17	16.21	-1918.99	-1918.02	15.24	-43.18	1.30	-24.75	-19.84	-3.62	-10.19
		970	9576.13	40.13	-1908.52	-1906.72	38.32	-59.33	0.29	-23.83	-19.42	-4.11	-9.32
724	4	952	9559.67	42.62	-1892.63	-1890.41	40.39	-65.56	2.60	-23.69	-18.59	-2.50	-10.39
		953	9631.04	17.01	-1903.68	-1902.46	15.80	-48.35	3.56	-24.73	-19.07	-2.10	-11.32
		971	9706.12	17.00	-1932.20	-1931.00	15.80	-48.35	1.10	-24.93	-19.96	-3.87	-10.23
		970	9634.38	42.58	-1921.14	-1918.95	40.39	-65.56	0.15	-23.89	-19.48	-4.27	-9.31
724	5	952	1.125e+04	63.70	-2197.46	-2192.56	58.80	-105.10	3.72	-29.48	-22.08	-3.69	-13.83
		953	1.124e+04	16.07	-2217.11	-2214.69	13.65	-73.49	5.73	-28.13	-21.44	-0.96	-13.48
		971	1.103e+04	16.12	-2171.07	-2168.60	13.65	-73.49	5.83	-25.77	-21.02	1.08	-11.29
		970	1.103e+04	63.80	-2151.47	-2146.47	58.80	-105.10	3.70	-27.00	-21.65	-1.65	-11.64
724	6	952	9381.07	37.52	-1852.92	-1851.23	35.82	-56.63	4.85	-21.62	-17.27	0.50	-9.81
		953	9543.67	15.06	-1862.76	-1861.85	14.15	-41.46	5.34	-24.28	-18.91	-0.03	-11.41
		971	9547.33	15.05	-1889.03	-1888.12	14.15	-41.46	1.31	-25.30	-20.09	-3.90	-10.56
		970	9382.70	37.49	-1879.18	-1877.50	35.82	-56.63	0.79	-22.62	-18.45	-3.38	-8.95
724	7	952	9257.20	36.81	-1831.25	-1829.70	35.25	-53.86	4.44	-21.40	-17.15	0.19	-9.58
		953	9420.09	15.18	-1840.76	-1839.94	14.35	-39.23	4.86	-24.18	-18.83	-0.49	-11.25
		971	9462.38	15.17	-1875.35	-1874.54	14.35	-39.23	0.77	-25.36	-20.09	-4.50	-10.49
		970	9297.12	36.78	-1865.83	-1864.30	35.25	-53.86	0.32	-22.55	-18.41	-3.82	-8.81
724	8	952	7319.74	30.99	-1447.28	-1445.86	29.57	-45.72	2.02	-18.40	-14.38	-1.99	-8.12
		953	7361.62	12.49	-1455.35	-1454.60	11.74	-33.24	2.87	-18.90	-14.55	-1.48	-8.70
		971	7429.82	12.48	-1477.84	-1477.10	11.74	-33.24	1.22	-18.88	-15.18	-2.49	-7.79
		970	7387.77	30.96	-1469.75	-1468.36	29.57	-45.72	0.38	-18.38	-15.01	-3.00	-7.21
724	9	952	6638.16	26.65	-1312.53	-1311.36	25.48	-39.55	3.22	-15.39	-12.29	0.12	-6.93
		953	6753.74	10.83	-1319.47	-1318.85	10.20	-28.86	3.55	-17.29	-13.47	-0.27	-8.07
		971	6756.14	10.82	-1337.69	-1337.08	10.20	-28.86	0.71	-18.02	-14.30	-3.01	-7.48
		970	6639.07	26.63	-1330.74	-1329.59	25.48	-39.55	0.36	-16.11	-13.13	-2.62	-6.34
724	10	952	6710.18	28.20	-1329.02	-1327.74	26.92	-41.71	2.04	-16.51	-12.99	-1.48	-7.28
		953	6777.36	11.44	-1336.34	-1335.65	10.76	-30.39	2.65	-17.53	-13.53	-1.35	-8.04
		971	6828.44	11.43	-1358.47	-1357.80	10.76	-30.39	0.65	-17.80	-14.20	-2.94	-7.31
		970	6761.11	28.18	-1351.14	-1349.88	26.92	-41.71	0.05	-16.79	-13.66	-3.08	-6.55
724	11	952	6647.78	26.73	-1314.75	-1313.55	25.53	-40.20	3.26	-15.36	-12.27	0.17	-6.92
		953	6766.74	10.80	-1321.73	-1321.08	10.14	-29.44	3.57	-17.33	-13.49	-0.27	-8.09
		971	6774.22	10.79	-1341.83	-1341.19	10.14	-29.44	0.66	-18.11	-14.34	-3.10	-7.52
		970	6653.59	26.72	-1334.84	-1333.65	25.53	-40.20	0.32	-16.12	-13.12	-2.67	-6.35
725	1	951	8332.21	47.78	-1663.90	-1661.52	45.40	-63.70	6.90	-14.87	-12.61	4.64	-6.64
		952	8831.84	1.17	-1684.12	-1683.50	0.55	-32.30	5.33	-24.24	-19.14	0.22	-11.18
		970	8498.82	1.18	-1659.45	-1658.82	0.55	-32.30	-3.15	-28.26	-21.29	-10.13	-11.25
		969	7941.33	47.81	-1639.26	-1636.85	45.40	-63.70	-2.15	-18.32	-14.76	-5.71	-6.71
725	2	951	8407.56	49.08	-1676.82	-1674.09	46.34	-68.64	6.79	-15.28	-12.86	4.37	-6.90

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		952	8898.80	1.73	-1697.14	-1696.34	0.93	-36.85	5.38	-24.39	-19.20	0.19	-11.29
		970	8555.03	1.74	-1668.98	-1668.17	0.93	-36.85	-2.84	-28.14	-21.24	-9.74	-11.26
		969	8011.15	49.12	-1648.69	-1645.92	46.34	-68.64	-1.92	-18.54	-14.90	-5.56	-6.87
725	3	951	8447.33	50.19	-1693.65	-1690.92	47.45	-68.99	4.80	-16.55	-13.73	1.99	-7.23
		952	8882.21	2.03	-1714.34	-1713.56	1.25	-36.64	3.77	-24.66	-19.26	-1.63	-11.15
		970	8604.52	2.04	-1689.84	-1689.05	1.25	-36.64	-3.21	-27.93	-21.12	-10.02	-11.04
		969	8130.40	50.23	-1669.18	-1666.41	47.45	-68.99	-2.52	-19.47	-15.59	-6.40	-7.12
725	4	951	8511.54	52.44	-1706.87	-1703.55	49.12	-76.39	4.71	-16.59	-13.79	1.91	-7.19
		952	8944.74	2.94	-1727.79	-1726.71	1.85	-43.30	3.63	-24.70	-19.33	-1.75	-11.11
		970	8652.90	2.95	-1698.99	-1697.88	1.85	-43.30	-3.28	-27.99	-21.18	-10.09	-11.04
		969	8179.88	52.49	-1678.10	-1674.73	49.12	-76.39	-2.56	-19.52	-15.64	-6.43	-7.12
725	5	951	9709.93	66.08	-1921.78	-1915.04	59.35	-115.53	6.01	-21.12	-16.03	0.92	-10.59
		952	1.017e+04	6.34	-1945.47	-1942.48	3.35	-76.33	6.01	-28.48	-21.26	-1.22	-14.04
		970	9662.13	6.45	-1873.66	-1870.56	3.35	-76.33	-0.45	-30.07	-22.47	-8.05	-12.94
		969	9180.72	66.34	-1850.11	-1843.12	59.35	-115.53	-0.53	-22.63	-17.24	-5.91	-9.49
725	6	951	8344.33	48.25	-1666.44	-1663.95	45.76	-65.34	6.96	-14.80	-12.56	4.72	-6.61
		952	8849.24	0.92	-1686.91	-1686.25	0.26	-33.48	5.36	-24.30	-19.17	0.23	-11.21
		970	8528.41	0.93	-1666.08	-1665.41	0.26	-33.48	-3.24	-28.40	-21.36	-10.29	-11.30
		969	7963.94	48.28	-1645.64	-1643.12	45.76	-65.34	-2.22	-18.33	-14.75	-5.80	-6.70
725	7	951	8249.77	47.47	-1650.33	-1648.06	45.19	-62.16	6.63	-14.59	-12.48	4.51	-6.36
		952	8750.70	1.26	-1670.44	-1669.86	0.68	-31.01	4.91	-24.13	-19.10	-0.12	-10.99
		970	8461.78	1.26	-1655.19	-1654.61	0.68	-31.01	-3.62	-28.39	-21.34	-10.68	-11.18
		969	7899.09	47.49	-1635.10	-1632.80	45.19	-62.16	-2.53	-18.23	-14.71	-6.04	-6.54
725	8	951	6512.67	38.73	-1304.77	-1302.66	36.62	-53.20	3.66	-12.87	-10.65	1.44	-5.64
		952	6837.76	1.59	-1320.72	-1320.12	0.98	-28.25	2.94	-18.93	-14.77	-1.22	-8.58
		970	6625.81	1.60	-1301.27	-1300.66	0.98	-28.25	-2.29	-21.31	-16.17	-7.43	-8.45
		969	6272.78	38.76	-1285.34	-1283.20	36.62	-53.20	-1.81	-15.02	-12.05	-4.77	-5.51
725	9	951	5908.06	34.00	-1181.63	-1179.92	32.30	-45.48	4.73	-10.54	-8.95	3.14	-4.67
		952	6267.19	0.89	-1195.98	-1195.53	0.44	-23.18	3.58	-17.30	-13.65	-0.07	-7.93
		970	6036.94	0.90	-1179.72	-1179.27	0.44	-23.18	-2.47	-20.24	-15.19	-7.51	-8.01
		969	5635.24	34.02	-1165.39	-1163.66	32.30	-45.48	-1.72	-13.07	-10.49	-4.30	-4.75
725	10	951	5971.77	35.34	-1198.16	-1196.25	33.44	-48.42	3.57	-11.47	-9.58	1.67	-4.99
		952	6295.27	1.37	-1212.77	-1212.23	0.83	-25.59	2.71	-17.53	-13.72	-1.10	-7.91
		970	6095.57	1.37	-1196.60	-1196.06	0.83	-25.59	-2.50	-20.05	-15.10	-7.45	-7.90
		969	5740.32	35.36	-1182.01	-1180.08	33.44	-48.42	-1.93	-13.70	-10.96	-4.67	-4.98
725	11	951	5914.78	34.26	-1183.04	-1181.27	32.49	-46.39	4.77	-10.51	-8.93	3.19	-4.65
		952	6276.85	0.75	-1197.53	-1197.06	0.28	-23.83	3.59	-17.33	-13.67	-0.07	-7.94
		970	6053.40	0.76	-1183.41	-1182.93	0.28	-23.83	-2.52	-20.32	-15.23	-7.60	-8.04
		969	5647.81	34.29	-1168.93	-1167.14	32.49	-46.39	-1.76	-13.07	-10.49	-4.34	-4.75
726	1	950	6678.50	56.09	-1344.23	-1341.14	53.00	-65.72	10.11	-6.79	-6.33	9.66	-2.73
		951	7473.35	-8.56	-1371.85	-1371.49	-8.93	-22.37	5.44	-22.53	-17.96	0.87	-10.34
		969	6906.95	-8.54	-1300.57	-1300.19	-8.93	-22.37	-6.78	-30.60	-21.16	-16.22	-11.65
		968	5869.88	56.25	-1273.10	-1269.84	53.00	-65.72	-4.30	-12.66	-9.54	-7.43	-4.04
726	2	950	6722.34	54.26	-1354.58	-1351.16	50.84	-69.31	9.88	-7.10	-6.54	9.32	-3.02
		951	7522.10	-8.80	-1381.18	-1380.65	-9.34	-27.19	5.48	-22.70	-17.99	0.78	-10.51
		969	6939.37	-8.77	-1305.35	-1304.78	-9.34	-27.19	-6.55	-30.51	-21.11	-15.95	-11.70
		968	5910.86	54.45	-1278.90	-1275.29	50.84	-69.31	-4.17	-12.90	-9.66	-7.41	-4.22
726	3	950	6750.73	55.05	-1371.12	-1367.66	51.58	-70.24	8.12	-7.92	-7.23	7.43	-3.25
		951	7519.37	-8.79	-1398.05	-1397.51	-9.34	-27.59	4.09	-22.93	-18.08	-0.76	-10.37
		969	6975.78	-8.75	-1320.66	-1320.08	-9.34	-27.59	-6.77	-30.42	-21.02	-16.17	-11.57
		968	6003.62	55.25	-1293.90	-1290.23	51.58	-70.24	-4.48	-13.66	-10.16	-7.98	-4.46
726	4	950	6809.92	54.78	-1384.93	-1380.80	50.65	-77.01	8.04	-7.99	-7.30	7.35	-3.25
		951	7580.68	-8.08	-1410.90	-1410.02	-8.97	-35.28	3.97	-22.94	-18.13	-0.84	-10.31
		969	7008.73	-8.03	-1325.23	-1324.28	-8.97	-35.28	-6.75	-30.37	-21.01	-16.10	-11.55
		968	6036.68	55.04	-1299.46	-1295.07	50.65	-77.01	-4.42	-13.68	-10.19	-7.91	-4.49
726	5	950	7498.90	58.51	-1514.72	-1506.90	50.69	-110.66	8.59	-10.83	-8.47	6.23	-6.34
		951	8402.95	-10.03	-1540.92	-1538.05	-12.89	-66.15	6.02	-26.76	-19.59	-1.14	-13.55
		969	7718.58	-9.82	-1437.19	-1434.11	-12.89	-66.15	-5.29	-33.70	-22.38	-16.61	-13.91
		968	6649.61	59.06	-1411.33	-1402.96	50.69	-110.66	-3.47	-17.03	-11.26	-9.24	-6.70
726	6	950	6692.63	59.22	-1345.33	-1341.91	55.80	-69.20	10.23	-6.71	-6.27	9.79	-2.68
		951	7490.71	-8.33	-1373.97	-1373.55	-8.75	-24.01	5.46	-22.58	-18.01	0.89	-10.35
		969	6937.00	-8.31	-1306.33	-1305.89	-8.75	-24.01	-6.87	-30.78	-21.25	-16.40	-11.71
		968	5890.71	59.39	-1277.85	-1274.26	55.80	-69.20	-4.35	-12.65	-9.51	-7.49	-4.03
726	7	950	6630.23	56.91	-1335.40	-1332.35	53.87	-65.09	10.04	-6.59	-6.23	9.68	-2.42
		951	7418.47	-8.30	-1363.31	-1362.97	-8.63	-21.34	5.10	-22.37	-17.95	0.68	-10.09
		969	6885.83	-8.28	-1298.41	-1298.06	-8.63	-21.34	-7.09	-30.65	-21.20	-16.54	-11.55
		968	5846.23	57.06	-1270.64	-1267.44	53.87	-65.09	-4.52	-12.50	-9.48	-7.54	-3.87
726	8	950	5203.20	42.31	-1056.26	-1053.59	39.64	-54.11	6.19	-6.20	-5.64	5.63	-2.58
		951	5787.67	-6.76	-1076.96	-1076.54	-7.19	-21.33	3.18	-17.60	-13.86	-0.55	-7.98
		969	5367.88	-6.74	-1016.82	-1016.37	-7.19	-21.33	-5.08	-23.22	-16.09	-12.20	-8.86
		968	4632.45	42.47	-996.25	-993.43	39.64	-54.11	-3.36	-10.53	-7.87	-6.02	-3.46
726	9	950	4736.52	39.82	-955.04	-952.82	37.60	-46.94	7.07	-4.80	-4.49	6.76	-1.88

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		951	5305.35	-6.08	-974.63	-974.36	-6.35	-16.17	3.68	-16.07	-12.82	0.43	-7.32
		969	4909.22	-6.07	-924.51	-924.22	-6.35	-16.17	-4.98	-21.91	-15.10	-11.79	-8.31
		968	4164.68	39.94	-905.02	-902.69	37.60	-46.94	-3.17	-9.05	-6.77	-5.46	-2.87
726	10	950	4776.29	39.25	-969.98	-967.55	36.82	-49.45	5.96	-5.42	-4.98	5.52	-2.17
		951	5330.99	-6.21	-989.19	-988.82	-6.58	-19.08	2.93	-16.29	-12.89	-0.48	-7.34
		969	4947.42	-6.19	-935.67	-935.27	-6.58	-19.08	-4.97	-21.81	-15.02	-11.76	-8.26
		968	4239.01	39.38	-916.58	-914.01	36.82	-49.45	-3.27	-9.61	-7.12	-5.76	-3.10
726	11	950	4744.34	41.56	-955.65	-953.25	39.16	-48.87	7.13	-4.75	-4.45	6.84	-1.85
		951	5314.99	-5.95	-975.81	-975.50	-6.26	-17.08	3.69	-16.10	-12.85	0.44	-7.33
		969	4925.95	-5.94	-927.71	-927.39	-6.26	-17.08	-5.02	-22.01	-15.15	-11.89	-8.34
		968	4176.24	41.68	-907.66	-905.14	39.16	-48.87	-3.20	-9.05	-6.75	-5.49	-2.86
727	1	949	4543.65	52.36	-900.72	-898.34	49.97	-47.59	14.80	0.59	0.74	14.64	1.46
		950	5439.68	-12.48	-928.97	-928.95	-12.49	-3.86	5.64	-18.83	-15.08	1.89	-8.81
		968	4888.99	-12.48	-824.56	-824.54	-12.49	-3.86	-8.51	-31.31	-19.31	-20.52	-11.38
		967	3416.78	52.65	-796.61	-793.93	49.97	-47.59	-3.21	-8.04	-3.48	-7.77	-1.11
727	2	949	4533.87	47.57	-905.29	-902.90	45.18	-47.67	14.37	0.51	0.61	14.27	1.18
		950	5452.84	-14.36	-932.13	-932.09	-14.40	-5.97	5.65	-19.00	-15.08	1.73	-9.01
		968	4899.72	-14.36	-825.59	-825.54	-14.40	-5.97	-8.38	-31.33	-19.27	-20.44	-11.46
		967	3411.72	47.87	-799.04	-796.35	45.18	-47.67	-3.24	-8.25	-3.58	-7.91	-1.27
727	3	949	4537.06	46.65	-918.74	-916.32	44.22	-48.33	13.24	0.17	0.26	13.15	1.10
		950	5460.28	-15.25	-945.53	-945.48	-15.30	-6.66	4.65	-19.21	-15.20	0.64	-8.92
		968	4925.82	-15.24	-833.35	-833.30	-15.30	-6.66	-8.50	-31.54	-19.27	-20.77	-11.49
		967	3441.83	46.97	-806.87	-804.13	44.22	-48.33	-3.36	-8.71	-3.81	-8.27	-1.47
727	4	949	4575.95	39.24	-933.82	-931.15	36.57	-50.91	13.30	0.18	0.27	13.21	1.10
		950	5523.52	-17.03	-957.69	-957.51	-17.22	-13.26	4.66	-19.26	-15.27	0.67	-8.92
		968	4943.28	-17.00	-832.97	-832.75	-17.22	-13.26	-8.50	-31.56	-19.28	-20.77	-11.50
		967	3434.88	39.63	-809.46	-806.40	36.57	-50.91	-3.29	-8.69	-3.73	-8.24	-1.49
727	5	949	4756.07	43.45	-983.57	-977.99	37.88	-75.46	11.90	-0.31	-0.11	11.70	-1.53
		950	5956.05	-19.93	-1008.08	-1006.90	-21.11	-34.17	5.98	-22.80	-16.23	-0.59	-12.08
		968	5452.06	-19.77	-890.69	-889.34	-21.11	-34.17	-7.83	-35.95	-20.56	-23.22	-14.00
		967	3762.87	44.17	-866.73	-860.44	37.88	-75.46	-2.95	-12.42	-4.44	-10.93	-3.45
727	6	949	4570.78	58.67	-901.89	-898.82	55.60	-54.20	15.02	0.65	0.82	14.85	1.54
		950	5468.37	-10.39	-931.26	-931.19	-10.46	-7.96	5.67	-18.88	-15.15	1.94	-8.81
		968	4926.37	-10.38	-828.95	-828.87	-10.46	-7.96	-8.57	-31.52	-19.41	-20.68	-11.46
		967	3449.42	59.04	-799.94	-796.51	55.60	-54.20	-3.17	-8.04	-3.44	-7.77	-1.11
727	7	949	4542.01	54.89	-896.99	-894.49	52.39	-48.77	15.07	0.61	0.83	14.85	1.78
		950	5417.89	-11.47	-925.80	-925.78	-11.49	-4.06	5.43	-18.65	-15.10	1.88	-8.54
		968	4882.78	-11.47	-824.27	-824.25	-11.49	-4.06	-8.69	-31.27	-19.34	-20.62	-11.27
		967	3420.36	55.19	-795.76	-792.96	52.39	-48.77	-3.21	-7.85	-3.41	-7.65	-0.95
727	8	949	3492.09	35.48	-707.62	-705.77	33.63	-37.00	10.08	0.08	0.14	10.02	0.77
		950	4200.23	-11.88	-728.13	-728.09	-11.92	-5.12	3.61	-14.75	-11.65	0.51	-6.88
		968	3784.45	-11.88	-641.40	-641.36	-11.92	-5.12	-6.46	-24.09	-14.76	-15.79	-8.80
		967	2639.23	35.72	-621.13	-619.04	33.63	-37.00	-2.61	-6.65	-2.97	-6.29	-1.15
727	9	949	3224.97	37.25	-640.23	-638.51	35.53	-34.11	10.51	0.44	0.56	10.39	1.10
		950	3864.32	-8.90	-660.30	-660.29	-8.91	-2.99	3.87	-13.43	-10.77	1.21	-6.24
		968	3480.62	-8.90	-586.10	-586.08	-8.91	-2.99	-6.15	-22.44	-13.79	-14.80	-8.13
		967	2438.39	37.46	-566.24	-564.30	35.53	-34.11	-2.27	-5.82	-2.45	-5.63	-0.79
727	10	949	3220.87	34.08	-650.25	-648.50	32.34	-34.52	9.64	0.20	0.29	9.55	0.90
		950	3875.78	-10.44	-669.51	-669.47	-10.47	-4.55	3.32	-13.64	-10.84	0.52	-6.30
		968	3501.16	-10.43	-590.98	-590.94	-10.47	-4.55	-6.14	-22.56	-13.76	-14.95	-8.19
		967	2452.25	34.31	-571.94	-569.97	32.34	-34.52	-2.36	-6.18	-2.63	-5.91	-0.99
727	11	949	3239.97	40.76	-640.88	-638.78	38.66	-37.78	10.63	0.47	0.60	10.50	1.15
		950	3880.24	-7.74	-661.58	-661.53	-7.78	-5.27	3.89	-13.46	-10.81	1.24	-6.24
		968	3501.40	-7.73	-588.54	-588.49	-7.78	-5.27	-6.18	-22.55	-13.84	-14.90	-8.17
		967	2456.52	41.01	-568.09	-565.73	38.66	-37.78	-2.24	-5.82	-2.43	-5.64	-0.79
728	1	15	2006.17	4.71	-343.39	-341.79	3.11	23.56	14.20	3.59	4.95	12.85	3.54
		949	2388.07	-14.25	-356.93	-352.48	-18.70	38.83	4.20	-11.60	-8.68	1.27	-6.13
		967	2328.15	-12.56	-264.14	-257.99	-18.70	38.83	-6.29	-23.18	-13.13	-16.33	-8.29
		19	1336.77	5.31	-249.50	-247.30	3.11	23.56	0.84	-5.10	0.50	-4.76	1.39
728	2	15	1977.47	6.64	-341.06	-339.32	4.89	24.58	13.87	3.66	4.93	12.60	3.37
		949	2375.98	-14.51	-356.55	-351.36	-19.69	41.79	4.18	-11.79	-8.68	1.06	-6.33
		967	2341.72	-12.62	-266.65	-259.58	-19.69	41.79	-6.25	-23.47	-13.16	-16.56	-8.44
		19	1355.98	7.26	-249.91	-247.54	4.89	24.58	0.72	-5.30	0.45	-5.02	1.26
728	3	15	1990.13	7.44	-344.75	-342.98	5.67	24.92	13.97	3.66	5.07	12.56	3.55
		949	2381.16	-14.84	-361.14	-355.69	-20.28	43.09	3.73	-12.04	-8.85	0.55	-6.33
		967	2393.19	-12.83	-269.24	-261.78	-20.28	43.09	-6.38	-24.24	-13.38	-17.25	-8.72
		19	1388.37	8.08	-251.48	-249.07	5.67	24.92	0.77	-5.46	0.55	-5.23	1.16
728	4	15	2076.48	7.78	-358.70	-357.24	6.32	23.11	14.83	3.98	5.48	13.34	3.74
		949	2481.78	-17.59	-376.95	-371.58	-22.96	43.60	4.00	-12.33	-9.15	0.83	-6.46
		967	2456.00	-15.25	-269.78	-262.08	-22.96	43.60	-6.62	-25.13	-13.71	-18.04	-9.00
		19	1439.82	8.40	-249.82	-247.74	6.32	23.11	1.13	-5.74	0.91	-5.52	1.20
728	5	15	1639.34	-15.16	-348.06	-346.99	-16.23	18.78	10.72	4.87	5.18	10.41	1.31

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		949	2564.19	-26.99	-355.85	-353.44	-29.39	28.00	4.53	-15.43	-9.35	-1.56	-9.19
		967	2819.87	-26.12	-269.10	-265.83	-29.39	28.00	-6.10	-29.07	-14.34	-20.83	-11.02
		19	1615.37	-14.78	-260.83	-259.38	-16.23	18.78	0.22	-8.90	0.19	-8.87	-0.51
728	6	15	1981.30	-3.85	-347.17	-346.04	-4.98	19.65	14.18	3.59	4.93	12.84	3.52
		949	2412.47	-16.30	-355.41	-352.85	-18.87	29.37	4.23	-11.59	-8.68	1.32	-6.13
		967	2347.81	-15.27	-258.88	-255.28	-18.87	29.37	-6.27	-23.09	-13.11	-16.26	-8.26
		19	1317.83	-3.40	-250.05	-248.47	-4.98	19.65	0.85	-5.09	0.50	-4.74	1.39
728	7	15	2038.52	2.50	-345.13	-343.69	1.06	22.32	14.64	3.49	4.99	13.13	3.81
		949	2392.95	-14.52	-356.99	-353.19	-18.32	35.88	4.12	-11.38	-8.69	1.43	-5.87
		967	2319.17	-13.04	-262.36	-257.08	-18.32	35.88	-6.36	-22.93	-13.12	-16.17	-8.14
		19	1319.32	3.04	-249.58	-247.59	1.06	22.32	1.00	-4.90	0.56	-4.46	1.54
728	8	15	1525.43	6.17	-264.98	-263.57	4.76	19.48	10.64	2.81	3.86	9.58	2.68
		949	1827.68	-11.24	-277.87	-273.54	-15.57	33.71	2.89	-9.24	-6.77	0.42	-4.88
		967	1832.84	-9.65	-207.62	-201.71	-15.57	33.71	-4.87	-18.54	-10.25	-13.16	-6.68
		19	1065.04	6.67	-193.66	-191.75	4.76	19.48	0.56	-4.17	0.39	-4.00	0.88
728	9	15	1431.80	3.01	-244.38	-243.28	1.91	16.47	10.21	2.56	3.57	9.20	2.59
		949	1700.17	-10.36	-253.87	-250.80	-13.44	27.21	2.91	-8.28	-6.22	0.85	-4.34
		967	1667.27	-9.18	-187.46	-183.20	-13.44	27.21	-4.53	-16.66	-9.39	-11.79	-5.95
		19	956.23	3.42	-177.20	-175.68	1.91	16.47	0.63	-3.67	0.40	-3.43	0.99
728	10	15	1422.93	4.52	-245.13	-243.94	3.33	17.23	10.09	2.60	3.64	9.05	2.59
		949	1696.33	-10.70	-256.20	-252.58	-14.32	29.58	2.65	-8.53	-6.32	0.45	-4.45
		967	1703.59	-9.34	-190.28	-185.31	-14.32	29.58	-4.58	-17.25	-9.53	-12.29	-6.18
		19	984.71	4.96	-178.30	-176.66	3.33	17.23	0.60	-3.87	0.43	-3.69	0.86
728	11	15	1417.83	-1.75	-246.48	-245.64	-2.59	14.30	10.20	2.56	3.56	9.20	2.58
		949	1713.60	-11.52	-253.02	-251.00	-13.53	21.96	2.93	-8.28	-6.22	0.87	-4.34
		967	1678.23	-10.71	-184.52	-181.70	-13.53	21.96	-4.52	-16.61	-9.38	-11.74	-5.93
		19	945.65	-1.42	-177.50	-176.33	-2.59	14.30	0.64	-3.66	0.40	-3.42	0.99
729	1	939	3104.07	36.15	-481.11	-444.24	-0.72	133.09	-7.12	-25.65	-14.86	-17.92	-9.14
		12	2097.54	50.46	-461.43	-433.07	22.09	117.12	-0.35	-5.65	-0.78	-5.22	1.45
		16	2719.98	51.60	-442.77	-413.27	22.09	117.12	15.51	3.26	4.69	14.07	3.94
		957	2672.08	37.61	-462.77	-424.44	-0.72	133.09	4.54	-12.56	-9.39	1.37	-6.65
729	2	939	3236.48	35.11	-473.64	-435.61	-2.91	133.79	-7.55	-27.40	-15.45	-19.50	-9.72
		12	2131.13	48.81	-454.26	-424.73	19.28	118.25	-0.09	-6.06	-0.41	-5.74	1.36
		16	2771.30	49.36	-445.70	-415.63	19.28	118.25	16.35	3.45	5.15	14.64	4.36
		957	2699.21	35.81	-465.22	-426.50	-2.91	133.79	4.11	-13.11	-9.89	0.89	-6.72
729	3	939	3385.71	32.16	-462.92	-426.64	-4.13	129.03	-7.44	-29.19	-15.60	-21.03	-10.53
		12	2205.28	45.64	-444.08	-416.01	17.56	113.84	-0.20	-6.92	-0.27	-6.85	0.68
		16	2612.46	46.07	-437.05	-408.54	17.56	113.84	15.24	3.73	5.29	13.67	3.94
		957	2627.88	32.71	-456.01	-419.16	-4.13	129.03	3.41	-13.96	-10.05	-0.51	-7.26
729	4	939	3007.27	-34.24	-422.40	-408.25	-48.39	72.73	-7.13	-28.56	-15.20	-20.49	-10.39
		12	1964.09	-47.16	-437.27	-417.39	-67.04	85.79	-0.25	-7.10	-0.26	-7.09	0.26
		16	2448.62	-50.90	-523.07	-506.93	-67.04	85.79	13.39	3.50	4.72	12.17	3.26
		957	2920.85	-36.91	-509.26	-497.79	-48.39	72.73	2.93	-14.38	-10.22	-1.23	-7.39
729	5	939	3281.94	-25.01	-474.50	-442.49	-57.03	115.61	-9.63	-31.76	-18.26	-23.13	-10.80
		12	2067.82	-32.19	-485.48	-448.46	-69.21	124.14	1.60	-6.16	0.87	-5.43	2.27
		16	3442.59	-40.66	-608.90	-580.35	-69.21	124.14	21.95	3.38	6.58	18.75	7.01
		957	3446.99	-32.37	-599.04	-574.38	-57.03	115.61	3.35	-14.86	-12.56	1.05	-6.06
729	6	939	2878.82	4.97	-463.17	-437.21	-20.99	107.14	-6.90	-25.25	-14.61	-17.54	-9.06
		12	1989.40	7.19	-460.34	-435.54	-17.60	104.77	-0.53	-5.61	-0.84	-5.31	1.21
		16	2618.61	6.06	-481.45	-457.79	-17.60	104.77	14.47	3.12	4.36	13.23	3.54
		957	2773.58	3.79	-484.23	-459.45	-20.99	107.14	4.31	-12.72	-9.42	1.00	-6.73
729	7	939	3154.41	30.02	-458.66	-424.31	-4.33	124.91	-7.00	-26.77	-14.78	-18.99	-9.66
		12	2101.12	42.55	-441.47	-414.54	15.62	110.95	-0.46	-6.26	-0.60	-6.13	0.88
		16	2543.33	43.13	-431.81	-404.29	15.62	110.95	14.41	3.45	4.75	13.11	3.54
		957	2582.42	30.75	-449.15	-414.07	-4.33	124.91	3.92	-13.10	-9.43	0.25	-7.00
729	8	939	2616.25	25.06	-357.24	-329.23	-2.95	99.61	-5.76	-22.56	-12.05	-16.26	-8.13
		12	1703.12	35.69	-342.40	-320.85	14.15	87.64	-0.14	-5.34	-0.19	-5.28	0.53
		16	2017.86	36.08	-336.17	-314.24	14.15	87.64	11.80	2.87	4.10	10.58	3.07
		957	2024.47	25.55	-351.12	-322.62	-2.95	99.61	2.60	-10.77	-7.76	-0.40	-5.58
729	9	939	2220.63	24.60	-337.47	-311.59	-1.28	93.28	-5.05	-18.50	-10.57	-12.98	-6.61
		12	1492.38	34.30	-324.09	-304.00	14.21	82.44	-0.28	-4.13	-0.51	-3.90	0.92
		16	1902.27	34.96	-313.29	-292.53	14.21	82.44	10.83	2.36	3.36	9.83	2.73
		957	1884.02	25.45	-326.85	-300.12	-1.28	93.28	3.10	-9.05	-6.70	0.75	-4.80
729	10	939	2377.28	22.39	-327.36	-301.81	-3.17	91.02	-5.23	-20.46	-10.98	-14.71	-7.39
		12	1552.58	31.62	-314.45	-294.52	11.70	80.62	-0.18	-4.86	-0.23	-4.81	0.49
		16	1842.45	31.89	-310.10	-289.91	11.70	80.62	10.68	2.62	3.69	9.61	2.73
		957	1860.39	22.73	-323.09	-297.19	-3.17	91.02	2.48	-9.84	-7.06	-0.29	-5.14
729	11	939	2095.41	7.21	-327.43	-307.68	-12.54	78.87	-4.93	-18.27	-10.43	-12.77	-6.57
		12	1431.36	10.26	-323.47	-305.37	-7.84	75.58	-0.37	-4.12	-0.54	-3.95	0.79
		16	1845.01	9.63	-334.74	-317.27	-7.84	75.58	10.25	2.29	3.17	9.37	2.50
		957	1941.32	6.53	-338.65	-319.57	-12.54	78.87	2.97	-9.14	-6.71	0.54	-4.85
730	1	938	5701.68	36.23	-1018.43	-1014.90	32.70	60.91	-9.77	-37.17	-21.89	-25.05	-13.61

		939	4344.79	65.77	-1000.79	-999.38	64.36	38.74	-3.71	-10.08	-4.17	-9.62	-1.65
		957	5116.19	65.77	-1001.44	-1000.03	64.36	38.74	17.22	1.13	1.37	16.97	1.96
		956	5907.81	36.22	-1019.08	-1015.55	32.70	60.91	6.01	-20.82	-16.35	1.54	-10.00
730	2	938	5769.53	37.46	-1017.05	-1013.38	33.80	62.05	-10.57	-39.40	-22.70	-27.27	-14.23
		939	4439.25	66.86	-999.42	-997.92	65.36	39.96	-3.51	-11.11	-3.92	-10.70	-1.71
		957	5138.53	66.85	-1008.34	-1006.86	65.36	39.96	17.60	1.39	1.76	17.23	2.42
		956	5956.77	37.43	-1025.96	-1022.32	33.80	62.05	5.24	-21.60	-17.02	0.66	-10.09
730	3	938	5733.85	35.25	-1007.66	-1004.44	32.03	57.83	-10.29	-39.92	-22.37	-27.85	-14.56
		939	4458.78	66.20	-989.40	-988.26	65.06	34.71	-3.43	-12.47	-4.18	-11.71	-2.50
		957	4999.98	66.18	-1010.08	-1008.96	65.06	34.71	14.90	0.99	1.18	14.70	1.63
		956	5881.69	35.18	-1028.29	-1025.14	32.03	57.83	3.79	-22.23	-17.01	-1.43	-10.43
730	4	938	5822.88	27.80	-1019.63	-1018.36	26.52	36.52	-10.15	-39.74	-22.24	-27.65	-14.54
		939	4464.74	67.77	-998.23	-998.17	67.72	7.68	-3.49	-12.70	-4.44	-11.75	-2.80
		957	5117.56	67.77	-1049.95	-1049.90	67.72	7.68	13.79	0.55	0.69	13.64	1.39
		956	6048.56	27.74	-1071.30	-1070.08	26.52	36.52	3.06	-22.42	-17.10	-2.26	-10.35
730	5	938	6660.41	39.43	-1143.48	-1137.86	33.81	81.32	-15.01	-48.97	-28.16	-35.82	-16.54
		939	5138.48	85.27	-1115.34	-1113.53	83.47	46.56	-3.29	-13.16	-3.33	-13.12	-0.65
		957	6263.76	85.15	-1204.98	-1203.30	83.47	46.56	24.07	1.56	3.31	22.32	6.03
		956	7108.10	39.03	-1232.85	-1227.63	33.81	81.32	3.50	-25.40	-21.52	-0.38	-9.86
730	6	938	5736.77	33.28	-1022.70	-1020.23	30.80	51.02	-9.65	-37.04	-21.80	-24.89	-13.61
		939	4343.68	66.44	-1003.75	-1003.09	65.78	26.53	-3.74	-10.18	-4.30	-9.61	-1.82
		957	5161.88	66.43	-1018.90	-1018.25	65.78	26.53	16.65	0.92	1.13	16.45	1.79
		956	5980.01	33.24	-1037.83	-1035.39	30.80	51.02	5.71	-20.90	-16.37	1.18	-10.00
730	7	938	5585.66	34.00	-989.77	-986.69	30.93	56.06	-9.60	-37.53	-21.51	-25.62	-13.81
		939	4296.69	64.08	-972.07	-970.98	62.99	33.62	-3.47	-11.15	-4.15	-10.47	-2.18
		957	4933.06	64.07	-984.80	-983.72	62.99	33.62	15.34	0.99	1.13	15.19	1.45
		956	5769.91	33.97	-1002.48	-999.43	30.93	56.06	4.94	-21.12	-16.23	0.04	-10.18
730	8	938	4422.19	27.05	-777.03	-774.55	24.57	44.56	-7.97	-30.83	-17.26	-21.54	-11.23
		939	3440.71	50.95	-762.94	-762.06	50.07	26.71	-2.64	-9.64	-3.21	-9.06	-1.92
		957	3851.38	50.93	-778.23	-777.37	50.07	26.71	11.48	0.77	0.92	11.33	1.29
		956	4530.72	27.00	-792.30	-789.87	24.57	44.56	2.87	-17.15	-13.12	-1.15	-8.02
730	9	938	4032.71	25.57	-718.58	-716.13	23.13	42.60	-6.93	-26.54	-15.51	-17.95	-9.73
		939	3081.44	46.62	-706.04	-705.09	45.67	26.82	-2.59	-7.39	-2.96	-7.02	-1.28
		957	3605.96	46.62	-709.70	-708.75	45.67	26.82	11.88	0.78	0.93	11.72	1.30
		956	4178.08	25.56	-722.23	-719.80	23.13	42.60	4.05	-14.88	-11.62	0.79	-7.15
730	10	938	4050.92	25.03	-712.59	-710.32	22.76	40.88	-7.22	-28.07	-15.78	-19.51	-10.26
		939	3145.04	46.86	-699.72	-698.91	46.05	24.58	-2.43	-8.72	-2.97	-8.18	-1.75
		957	3541.75	46.84	-714.50	-713.71	46.05	24.58	10.59	0.70	0.82	10.46	1.12
		956	4163.90	24.98	-727.35	-725.12	22.76	40.88	2.82	-15.67	-11.99	-0.86	-7.39
730	11	938	4052.31	23.93	-720.94	-719.09	22.08	37.10	-6.86	-26.47	-15.46	-17.86	-9.73
		939	3080.65	46.98	-707.68	-707.14	46.45	20.04	-2.61	-7.44	-3.04	-7.02	-1.37
		957	3631.65	46.98	-719.40	-718.87	46.45	20.04	11.57	0.66	0.79	11.43	1.20
		956	4218.40	23.90	-732.64	-730.82	22.08	37.10	3.88	-14.93	-11.63	0.58	-7.15
731	1	937	7606.27	41.82	-1431.04	-1431.01	41.79	-6.54	-8.12	-36.75	-23.39	-21.48	-14.28
		938	6407.97	62.88	-1421.12	-1420.82	62.58	-21.09	-4.64	-15.54	-10.07	-10.11	-5.45
		956	7118.38	62.88	-1457.01	-1456.71	62.58	-21.09	10.44	-6.57	-6.09	9.95	-2.83
		955	7996.11	41.82	-1466.93	-1466.90	41.79	-6.54	4.31	-25.14	-19.41	-1.42	-11.66
731	2	937	7660.49	44.08	-1432.69	-1432.67	44.06	-5.51	-9.37	-39.16	-24.33	-24.20	-14.89
		938	6340.40	65.09	-1422.76	-1422.49	64.82	-20.04	-5.26	-16.34	-9.90	-11.70	-5.46
		956	7122.32	65.08	-1467.08	-1466.81	64.82	-20.04	10.25	-6.10	-5.75	9.90	-2.37
		955	8061.70	44.08	-1477.01	-1476.99	44.06	-5.51	3.33	-26.10	-20.18	-2.59	-11.80
731	3	937	7584.31	42.55	-1426.51	-1426.47	42.51	-7.87	-9.13	-38.76	-23.72	-24.17	-14.82
		938	6355.98	65.55	-1415.75	-1415.37	65.17	-23.73	-5.27	-17.88	-10.46	-12.68	-6.21
		956	7064.55	65.54	-1474.45	-1474.09	65.17	-23.73	7.19	-7.59	-6.80	6.41	-3.31
		955	7976.99	42.55	-1485.23	-1485.19	42.51	-7.87	1.51	-26.65	-20.06	-5.08	-11.92
731	4	937	7657.36	45.08	-1441.95	-1441.67	44.79	-20.64	-9.22	-38.64	-23.64	-24.22	-14.71
		938	6454.62	69.70	-1430.85	-1429.92	68.77	-37.42	-5.48	-18.31	-10.75	-13.04	-6.31
		956	7168.92	69.66	-1501.06	-1500.17	68.77	-37.42	6.29	-8.10	-7.19	5.38	-3.51
		955	8076.00	45.07	-1512.19	-1511.92	44.79	-20.64	0.94	-26.81	-20.07	-5.80	-11.90
731	5	937	8993.38	65.87	-1645.76	-1645.63	65.74	14.79	-16.21	-52.76	-32.07	-36.89	-18.12
		938	6989.21	90.77	-1633.37	-1633.37	90.77	-2.73	-8.19	-19.27	-10.16	-17.30	-4.24
		956	8420.74	90.77	-1734.30	-1734.30	90.77	-2.73	15.35	-4.44	-4.34	15.26	1.35
		955	9636.31	65.86	-1746.68	-1746.56	65.74	14.79	1.35	-31.94	-26.25	-4.34	-12.53
731	6	937	7633.34	43.35	-1435.95	-1435.85	43.24	-12.54	-8.10	-36.66	-23.33	-21.42	-14.25
		938	6445.93	65.11	-1425.88	-1425.38	64.60	-27.50	-4.69	-15.73	-10.20	-10.22	-5.52
		956	7162.75	65.10	-1468.17	-1467.68	64.60	-27.50	10.05	-6.80	-6.26	9.51	-2.96
		955	8040.21	43.34	-1478.25	-1478.15	43.24	-12.54	4.12	-25.20	-19.39	-1.69	-11.69
731	7	937	7426.41	40.39	-1396.99	-1396.94	40.34	-8.44	-8.13	-36.63	-22.88	-21.88	-14.24
		938	6252.71	62.68	-1386.57	-1386.18	62.29	-23.80	-4.68	-16.38	-10.07	-10.99	-5.84
		956	6955.02	62.67	-1436.83	-1436.45	62.29	-23.80	8.60	-7.13	-6.41	7.88	-3.29
		955	7830.83	40.38	-1447.25	-1447.21	40.34	-8.44	3.11	-25.35	-19.21	-3.02	-11.70
731	8	937	5846.43	32.61	-1099.86	-1099.83	32.58	-6.04	-7.08	-29.94	-18.30	-18.73	-11.43

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		938	4897.71	50.38	-1091.54	-1091.25	50.09	-18.30	-4.09	-13.81	-8.06	-9.84	-4.78
		956	5439.82	50.37	-1136.06	-1135.77	50.09	-18.30	5.49	-5.84	-5.24	4.89	-2.53
		955	6143.78	32.61	-1144.38	-1144.35	32.58	-6.04	1.09	-20.56	-15.48	-4.00	-9.18
731	9	937	5376.16	29.81	-1011.20	-1011.17	29.79	-4.90	-5.79	-26.14	-16.55	-15.38	-10.16
		938	4527.77	44.94	-1004.08	-1003.86	44.71	-15.35	-3.32	-11.23	-7.17	-7.38	-3.96
		956	5034.68	44.93	-1033.22	-1033.01	44.71	-15.35	7.05	-4.79	-4.40	6.66	-2.10
		955	5659.16	29.81	-1040.34	-1040.32	29.79	-4.90	2.81	-17.94	-13.78	-1.35	-8.31
731	10	937	5363.98	30.22	-1008.68	-1008.65	30.19	-5.64	-6.35	-27.26	-16.74	-16.88	-10.46
		938	4499.11	46.42	-1001.10	-1000.83	46.15	-16.82	-3.66	-12.53	-7.39	-8.81	-4.38
		956	5005.18	46.41	-1042.92	-1042.66	46.15	-16.82	5.25	-5.36	-4.80	4.69	-2.37
		955	5648.70	30.21	-1050.51	-1050.48	30.19	-5.64	1.26	-18.78	-14.14	-3.38	-8.45
731	11	937	5391.20	30.65	-1013.93	-1013.86	30.59	-8.24	-5.78	-26.09	-16.52	-15.35	-10.14
		938	4548.96	46.17	-1006.73	-1006.39	45.83	-18.91	-3.34	-11.34	-7.24	-7.44	-4.00
		956	5059.54	46.16	-1039.43	-1039.10	45.83	-18.91	6.83	-4.92	-4.50	6.41	-2.18
		955	5683.73	30.65	-1046.63	-1046.57	30.59	-8.24	2.71	-17.98	-13.77	-1.49	-8.32
732	1	936	8859.06	49.57	-1714.92	-1713.72	48.38	-45.90	-5.42	-33.96	-23.02	-16.36	-13.88
		937	8165.56	67.07	-1707.36	-1705.48	65.19	-57.67	-3.22	-21.24	-15.01	-9.45	-8.57
		955	8596.95	67.03	-1746.70	-1744.86	65.19	-57.67	5.23	-15.32	-12.63	2.54	-6.93
		954	9190.17	49.55	-1754.27	-1753.10	48.38	-45.90	2.19	-27.20	-20.65	-4.36	-12.24
732	2	936	8896.96	52.17	-1718.77	-1717.62	51.02	-45.12	-7.07	-36.33	-24.04	-19.36	-14.44
		937	8093.06	69.69	-1711.19	-1709.37	67.87	-56.92	-4.46	-21.86	-14.90	-11.41	-8.52
		955	8595.85	69.64	-1758.95	-1757.17	67.87	-56.92	4.74	-14.80	-12.34	2.27	-6.49
		954	9268.11	52.14	-1766.55	-1765.43	51.02	-45.12	1.13	-28.29	-21.48	-5.67	-12.40
732	3	936	8808.40	50.94	-1715.74	-1714.56	49.76	-45.63	-6.94	-35.33	-23.29	-18.98	-14.03
		937	8136.54	70.30	-1707.38	-1705.45	68.36	-58.64	-4.75	-23.29	-15.65	-12.39	-9.13
		955	8595.96	70.23	-1769.91	-1768.03	68.36	-58.64	1.85	-17.23	-13.65	-1.73	-7.45
		954	9179.34	50.90	-1778.29	-1777.15	49.76	-45.63	-0.85	-28.75	-21.29	-8.31	-12.35
732	4	936	8872.58	55.29	-1729.46	-1727.71	53.54	-55.76	-7.15	-35.38	-23.29	-19.24	-13.96
		937	8214.60	75.25	-1721.04	-1718.38	72.59	-69.09	-5.05	-23.64	-15.85	-12.84	-9.17
		955	8683.01	75.15	-1789.85	-1787.29	72.59	-69.09	1.26	-17.66	-13.89	-2.51	-7.56
		954	9257.67	55.22	-1798.30	-1796.62	53.54	-55.76	-1.30	-28.94	-21.33	-8.91	-12.35
732	5	936	1.080e+04	68.12	-2040.74	-2040.17	67.55	-34.78	-16.20	-54.87	-34.39	-36.69	-19.30
		937	9106.50	95.41	-2028.51	-2027.17	94.07	-53.34	-10.19	-25.56	-15.87	-19.88	-7.42
		955	1.008e+04	95.37	-2087.89	-2086.58	94.07	-53.34	9.47	-10.91	-10.57	9.14	-2.58
		954	1.128e+04	68.11	-2100.14	-2099.58	67.55	-34.78	-0.38	-36.38	-29.10	-7.66	-14.46
732	6	936	8879.75	51.50	-1718.40	-1716.95	50.05	-50.64	-5.44	-33.93	-23.00	-16.37	-13.86
		937	8192.05	69.43	-1710.75	-1708.54	67.22	-62.66	-3.30	-21.37	-15.09	-9.58	-8.61
		955	8633.93	69.38	-1754.40	-1752.25	67.22	-62.66	5.03	-15.50	-12.73	2.26	-7.02
		954	9224.34	51.47	-1762.08	-1760.66	50.05	-50.64	2.09	-27.26	-20.64	-4.53	-12.27
732	7	936	8643.88	47.88	-1677.95	-1676.75	46.68	-45.43	-5.62	-33.48	-22.47	-16.63	-13.62
		937	7991.60	66.88	-1669.77	-1667.81	64.92	-58.21	-3.58	-21.74	-15.00	-10.32	-8.77
		955	8446.90	66.82	-1725.15	-1723.25	64.92	-58.21	3.63	-16.16	-12.95	0.43	-7.29
		954	9013.53	47.84	-1733.35	-1732.19	46.68	-45.43	0.99	-27.30	-20.42	-5.89	-12.14
732	8	936	6787.92	39.09	-1322.68	-1321.78	38.19	-35.09	-5.42	-27.29	-17.97	-14.74	-10.82
		937	6268.86	54.01	-1316.24	-1314.75	52.52	-45.13	-3.72	-17.99	-12.07	-9.64	-7.03
		955	6618.81	53.96	-1363.64	-1362.21	52.52	-45.13	1.35	-13.28	-10.52	-1.41	-5.72
		954	7069.24	39.06	-1370.11	-1369.23	38.19	-35.09	-0.74	-22.19	-16.42	-6.51	-9.51
732	9	936	6261.49	35.32	-1212.77	-1211.92	34.47	-32.55	-3.91	-24.09	-16.28	-11.72	-9.83
		937	5775.71	47.98	-1207.31	-1205.96	46.63	-41.07	-2.38	-15.22	-10.69	-6.91	-6.14
		955	6089.60	47.95	-1239.10	-1237.78	46.63	-41.07	3.38	-11.07	-9.06	1.37	-5.00
		954	6506.84	35.30	-1244.57	-1243.74	34.47	-32.55	1.30	-19.39	-14.66	-3.43	-8.69
732	10	936	6233.26	36.08	-1213.23	-1212.39	35.24	-32.40	-4.76	-24.85	-16.43	-13.17	-9.91
		937	5759.65	49.77	-1207.32	-1205.95	48.39	-41.61	-3.22	-16.36	-11.04	-8.55	-6.45
		955	6089.37	49.72	-1251.99	-1250.66	48.39	-41.61	1.51	-12.14	-9.63	-1.00	-5.29
		954	6500.90	36.05	-1257.91	-1257.10	35.24	-32.40	-0.39	-20.25	-15.02	-5.62	-8.75
732	11	936	6272.99	36.39	-1214.71	-1213.72	35.40	-35.19	-3.92	-24.07	-16.27	-11.72	-9.82
		937	5790.47	49.29	-1209.19	-1207.66	47.76	-43.84	-2.42	-15.29	-10.73	-6.99	-6.16
		955	6110.25	49.25	-1243.38	-1241.89	47.76	-43.84	3.28	-11.17	-9.11	1.22	-5.05
		954	6525.85	36.37	-1248.91	-1247.95	35.40	-35.19	1.25	-19.42	-14.66	-3.52	-8.71
733	1	935	9406.36	53.43	-1851.10	-1847.80	50.13	-79.22	-2.41	-29.53	-21.13	-10.81	-12.54
		936	9171.55	50.62	-1852.25	-1849.10	47.47	-77.35	-1.56	-25.25	-18.42	-8.39	-10.73
		954	9362.86	50.57	-1882.77	-1879.67	47.47	-77.35	1.13	-23.05	-17.59	-4.33	-10.11
		953	9586.40	53.38	-1881.62	-1878.37	50.13	-79.22	0.18	-27.23	-20.30	-6.75	-11.92
733	2	935	9433.60	56.17	-1857.14	-1853.88	52.91	-78.93	-4.36	-31.72	-22.17	-13.91	-13.04
		936	9100.62	53.24	-1858.35	-1855.25	50.13	-76.99	-3.13	-25.78	-18.36	-10.55	-10.63
		954	9363.16	53.17	-1896.36	-1893.31	50.13	-76.99	0.56	-22.59	-17.33	-4.70	-9.70
		953	9674.06	56.11	-1895.15	-1891.95	52.91	-78.93	-0.83	-28.37	-21.14	-8.06	-12.12
733	3	935	9347.37	55.11	-1856.92	-1853.74	51.93	-77.96	-4.31	-30.33	-21.36	-13.28	-12.37
		936	9158.02	53.64	-1857.53	-1854.42	50.53	-76.99	-3.65	-27.06	-19.21	-11.50	-11.05
		954	9407.63	53.55	-1910.02	-1906.99	50.53	-76.99	-2.11	-25.50	-18.77	-8.84	-10.59
		953	9590.66	55.03	-1909.41	-1906.31	51.93	-77.96	-2.80	-28.75	-20.91	-10.63	-11.91
733	4	935	9402.29	59.36	-1868.79	-1864.78	55.35	-87.82	-4.59	-30.44	-21.40	-13.64	-12.33

		936	9220.63	57.74	-1869.44	-1865.53	53.83	-86.75	-3.98	-27.33	-19.36	-11.95	-11.07
		954	9482.99	57.63	-1926.72	-1922.92	53.83	-86.75	-2.55	-25.86	-18.93	-9.48	-10.65
		953	9658.93	59.24	-1926.07	-1922.17	55.35	-87.82	-3.19	-28.95	-20.97	-11.17	-11.91
733	5	935	1.198e+04	119.55	-2304.80	-2299.52	114.26	-113.10	-14.07	-52.22	-33.50	-32.79	-19.07
		936	1.080e+04	76.97	-2322.27	-2319.26	73.96	-84.89	-10.63	-31.27	-21.07	-20.82	-10.32
		954	1.102e+04	77.02	-2280.94	-2277.88	73.96	-84.89	3.51	-18.76	-16.28	1.04	-7.00
		953	1.200e+04	119.64	-2263.51	-2258.13	114.26	-113.10	-1.74	-37.90	-28.71	-10.93	-15.75
733	6	935	9420.30	54.73	-1853.11	-1849.43	51.06	-83.63	-2.43	-29.52	-21.12	-10.83	-12.53
		936	9188.15	52.17	-1854.15	-1850.62	48.64	-81.93	-1.62	-25.33	-18.46	-8.49	-10.75
		954	9393.27	52.11	-1888.54	-1885.07	48.64	-81.93	1.04	-23.18	-17.64	-4.50	-10.17
		953	9614.66	54.67	-1887.50	-1883.89	51.06	-83.63	0.14	-27.28	-20.30	-6.85	-11.95
733	7	935	9181.58	51.34	-1814.24	-1811.08	48.18	-76.74	-2.74	-28.79	-20.58	-10.95	-12.11
		936	8989.74	50.25	-1814.69	-1811.58	47.14	-76.01	-2.10	-25.47	-18.40	-9.17	-10.74
		954	9229.36	50.17	-1861.93	-1858.90	47.14	-76.01	-0.25	-23.93	-17.89	-6.29	-10.32
		953	9414.61	51.26	-1861.48	-1858.40	48.18	-76.74	-0.93	-27.21	-20.07	-8.07	-11.70
733	8	935	7201.66	42.37	-1431.35	-1428.91	39.92	-59.98	-3.41	-23.44	-16.48	-10.37	-9.54
		936	7054.82	41.21	-1431.83	-1429.44	38.83	-59.21	-2.90	-20.89	-14.82	-8.97	-8.51
		954	7244.01	41.15	-1471.54	-1469.21	38.83	-59.21	-1.70	-19.67	-14.47	-6.91	-8.15
		953	7385.89	42.30	-1471.06	-1468.68	39.92	-59.98	-2.24	-22.20	-16.13	-8.31	-9.18
733	9	935	6649.86	37.99	-1309.90	-1307.57	35.66	-56.00	-1.80	-20.89	-14.94	-7.75	-8.84
		936	6491.08	36.25	-1310.61	-1308.38	34.01	-54.84	-1.23	-18.03	-13.11	-6.15	-7.64
		954	6638.04	36.21	-1336.05	-1333.85	34.01	-54.84	0.51	-16.58	-12.59	-3.49	-7.23
		953	6789.77	37.95	-1335.33	-1333.04	35.66	-56.00	-0.11	-19.39	-14.41	-5.09	-8.44
733	10	935	6616.96	38.93	-1313.13	-1310.87	36.66	-55.30	-2.86	-21.33	-15.07	-9.12	-8.75
		936	6483.52	37.93	-1313.55	-1311.33	35.71	-54.64	-2.40	-19.03	-13.55	-7.87	-7.82
		954	6663.12	37.87	-1351.18	-1349.03	35.71	-54.64	-1.29	-17.95	-13.24	-6.00	-7.50
		953	6792.16	38.87	-1350.77	-1348.57	36.66	-55.30	-1.77	-20.23	-14.75	-7.24	-8.43
733	11	935	6657.59	38.72	-1311.01	-1308.48	36.18	-58.45	-1.81	-20.88	-14.93	-7.76	-8.83
		936	6500.33	37.11	-1311.66	-1309.22	34.67	-57.39	-1.27	-18.07	-13.14	-6.20	-7.65
		954	6654.99	37.06	-1339.25	-1336.85	34.67	-57.39	0.46	-16.66	-12.62	-3.58	-7.27
		953	6805.47	38.67	-1338.59	-1336.11	36.18	-58.45	-0.14	-19.42	-14.41	-5.14	-8.45
734	1	934	9227.76	54.21	-1840.00	-1834.57	48.78	-101.23	0.76	-23.61	-17.77	-5.08	-10.40
		935	9417.57	34.16	-1847.90	-1843.76	30.02	-88.10	0.12	-27.21	-20.18	-6.92	-11.95
		953	9393.25	34.13	-1859.53	-1855.42	30.02	-88.10	-2.28	-28.92	-20.80	-10.40	-12.26
		952	9196.08	54.17	-1851.62	-1846.23	48.78	-101.23	-1.69	-25.27	-18.40	-8.56	-10.72
734	2	934	9250.24	57.05	-1848.46	-1843.03	51.61	-101.64	-1.35	-25.52	-18.78	-8.08	-10.84
		935	9355.36	36.68	-1856.49	-1852.37	32.55	-88.30	-1.61	-27.66	-20.15	-9.12	-11.80
		953	9397.19	36.64	-1873.36	-1869.27	32.55	-88.30	-2.79	-28.54	-20.56	-10.77	-11.91
		952	9289.93	57.00	-1865.32	-1859.93	51.61	-101.64	-2.54	-26.39	-19.19	-9.74	-10.95
734	3	934	9177.15	56.23	-1850.86	-1845.66	51.03	-99.44	-1.31	-23.92	-17.98	-7.25	-9.96
		935	9419.94	37.05	-1858.45	-1854.47	33.06	-86.86	-2.27	-28.73	-21.04	-9.96	-12.01
		953	9475.99	36.99	-1888.92	-1884.99	33.06	-86.86	-5.19	-31.57	-22.01	-14.74	-12.68
		952	9219.48	56.15	-1881.30	-1876.19	51.03	-99.44	-4.32	-26.66	-18.95	-12.04	-10.62
734	4	934	9225.36	60.17	-1861.91	-1855.64	53.90	-109.60	-1.62	-24.03	-18.02	-7.64	-9.93
		935	9476.96	40.60	-1869.49	-1864.56	35.68	-96.85	-2.60	-28.97	-21.16	-10.40	-12.04
		953	9545.62	40.52	-1903.73	-1898.89	35.68	-96.85	-5.59	-31.91	-22.16	-15.35	-12.71
		952	9279.83	60.06	-1896.13	-1889.97	53.90	-109.60	-4.72	-26.88	-19.01	-12.58	-10.61
734	5	934	1.140e+04	97.29	-2263.57	-2252.43	86.15	-161.77	-8.65	-40.58	-26.56	-22.66	-15.85
		935	1.116e+04	62.58	-2276.41	-2268.07	54.24	-139.43	-7.50	-35.99	-24.08	-19.41	-14.05
		953	1.102e+04	62.80	-2215.93	-2207.37	54.24	-139.43	-3.20	-30.80	-22.56	-11.44	-12.63
		952	1.124e+04	97.58	-2203.16	-2191.73	86.15	-161.77	-4.55	-35.20	-25.05	-14.70	-14.42
734	6	934	9235.48	54.81	-1840.76	-1834.87	48.93	-105.47	0.76	-23.59	-17.76	-5.07	-10.39
		935	9427.53	34.94	-1848.51	-1843.96	30.39	-92.49	0.08	-27.25	-20.20	-6.97	-11.96
		953	9418.27	34.90	-1863.83	-1859.32	30.39	-92.49	-2.32	-29.01	-20.83	-10.50	-12.30
		952	9218.64	54.76	-1856.07	-1850.23	48.93	-105.47	-1.69	-25.30	-18.39	-8.60	-10.74
734	7	934	9016.88	51.97	-1806.21	-1801.12	46.88	-97.12	0.39	-22.75	-17.27	-5.08	-9.83
		935	9241.69	33.68	-1813.45	-1809.52	29.75	-85.13	-0.51	-27.19	-20.14	-7.55	-11.76
		953	9280.75	33.62	-1841.26	-1837.39	29.75	-85.13	-3.42	-29.67	-21.05	-12.04	-12.33
		952	9043.81	51.89	-1834.01	-1829.00	46.88	-97.12	-2.62	-25.13	-18.18	-9.56	-10.40
734	8	934	7069.17	43.32	-1426.52	-1422.52	39.33	-76.50	-1.11	-18.49	-13.88	-5.73	-7.68
		935	7255.60	28.50	-1432.39	-1429.33	25.44	-66.78	-1.85	-22.18	-16.23	-7.80	-9.25
		953	7297.05	28.45	-1455.24	-1452.23	25.44	-66.78	-4.07	-24.36	-16.97	-11.46	-9.76
		952	7100.16	43.26	-1449.35	-1445.42	39.33	-76.50	-3.41	-20.60	-14.62	-9.39	-8.19
734	9	934	6526.31	38.47	-1302.85	-1299.03	34.65	-71.47	0.45	-16.65	-12.56	-3.64	-7.29
		935	6668.46	24.50	-1308.35	-1305.43	21.58	-62.32	-0.06	-19.38	-14.36	-5.08	-8.47
		953	6663.99	24.47	-1319.97	-1317.07	21.58	-62.32	-1.87	-20.74	-14.86	-7.75	-8.74
		952	6515.75	38.44	-1314.45	-1310.67	34.65	-71.47	-1.40	-17.97	-13.06	-6.31	-7.56
734	10	934	6498.08	39.60	-1308.88	-1305.19	35.90	-70.47	-0.70	-16.82	-12.67	-4.85	-7.04
		935	6669.68	26.10	-1314.22	-1311.38	23.26	-61.63	-1.39	-20.22	-14.84	-6.76	-8.50
		953	6710.08	26.06	-1336.30	-1333.50	23.26	-61.63	-3.48	-22.22	-15.54	-10.16	-8.97
		952	6528.75	39.54	-1330.94	-1327.31	35.90	-70.47	-2.87	-18.74	-13.36	-8.25	-7.51
734	11	934	6530.56	38.81	-1303.27	-1299.19	34.73	-73.82	0.45	-16.64	-12.55	-3.64	-7.29

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		935	6673.99	24.93	-1308.69	-1305.54	21.78	-64.76	-0.08	-19.40	-14.38	-5.10	-8.47
		953	6677.92	24.90	-1322.36	-1319.24	21.78	-64.76	-1.89	-20.79	-14.88	-7.80	-8.76
		952	6528.27	38.76	-1316.92	-1312.89	34.73	-73.82	-1.41	-17.98	-13.06	-6.34	-7.58
735	1	933	8290.94	45.19	-1679.08	-1672.39	38.50	-107.14	4.41	-15.87	-12.75	1.29	-7.31
		934	8895.28	14.58	-1690.79	-1686.31	10.10	-87.26	1.83	-27.16	-20.38	-4.95	-12.27
		952	8710.64	14.60	-1683.81	-1679.31	10.10	-87.26	-5.34	-33.26	-22.48	-16.12	-13.59
		951	8022.14	45.22	-1672.10	-1665.39	38.50	-107.14	-3.38	-21.35	-14.85	-9.88	-8.63
735	2	933	8310.26	47.68	-1690.02	-1683.22	40.88	-108.49	2.28	-17.37	-13.67	-1.42	-7.68
		934	8849.07	16.65	-1701.87	-1697.32	12.10	-88.34	0.12	-27.53	-20.39	-7.02	-12.10
		952	8717.79	16.67	-1696.49	-1691.92	12.10	-88.34	-5.71	-32.97	-22.25	-16.42	-13.32
		951	8114.79	47.70	-1684.64	-1677.82	40.88	-108.49	-3.98	-22.39	-15.54	-10.83	-8.90
735	3	933	8263.47	47.35	-1694.98	-1688.59	40.97	-105.28	2.49	-15.77	-12.90	-0.38	-6.64
		934	8918.13	17.19	-1706.60	-1702.33	12.92	-85.65	-0.58	-28.35	-21.26	-7.67	-12.11
		952	8824.84	17.17	-1713.05	-1708.80	12.92	-85.65	-7.73	-35.87	-23.64	-19.96	-13.95
		951	8063.63	47.33	-1701.42	-1695.05	40.97	-105.28	-5.39	-22.56	-15.28	-12.67	-8.48
735	4	933	8307.12	50.96	-1706.36	-1698.71	43.31	-115.69	2.11	-15.86	-12.95	-0.80	-6.62
		934	8976.34	20.56	-1717.79	-1712.47	15.24	-96.04	-0.92	-28.58	-21.38	-8.12	-12.13
		952	8894.17	20.54	-1726.85	-1721.55	15.24	-96.04	-8.15	-36.25	-23.79	-20.61	-13.96
		951	8118.10	50.92	-1715.41	-1707.80	43.31	-115.69	-5.81	-22.83	-15.35	-13.29	-8.45
735	5	933	9699.21	72.78	-1975.40	-1962.50	59.87	-162.08	-3.74	-27.78	-18.82	-12.71	-11.63
		934	1.013e+04	33.19	-1989.44	-1980.14	23.88	-136.89	-4.88	-35.32	-23.70	-16.51	-14.79
		952	9960.52	33.39	-1945.83	-1936.32	23.88	-136.89	-6.91	-38.12	-24.62	-20.41	-15.46
		951	9512.06	73.06	-1931.87	-1918.68	59.87	-162.08	-5.78	-30.57	-19.74	-16.61	-12.30
735	6	933	8293.07	45.61	-1678.62	-1671.41	38.39	-111.28	4.44	-15.83	-12.73	1.34	-7.30
		934	8900.71	14.86	-1690.26	-1685.35	9.95	-91.37	1.83	-27.17	-20.39	-4.95	-12.28
		952	8731.26	14.87	-1686.85	-1681.93	9.95	-91.37	-5.35	-33.32	-22.50	-16.17	-13.62
		951	8038.73	45.62	-1675.22	-1667.99	38.39	-111.28	-3.37	-21.35	-14.84	-9.88	-8.64
735	7	933	8118.09	43.54	-1651.18	-1645.00	37.37	-102.14	4.14	-15.03	-12.34	1.45	-6.66
		934	8740.73	14.23	-1662.48	-1658.36	10.11	-83.06	1.21	-26.93	-20.34	-5.38	-11.91
		952	8623.72	14.22	-1669.65	-1665.54	10.11	-83.06	-6.21	-33.76	-22.66	-17.31	-13.51
		951	7902.31	43.52	-1658.34	-1652.19	37.37	-102.14	-4.06	-21.09	-14.66	-10.49	-8.26
735	8	933	6364.21	36.58	-1306.26	-1301.36	31.68	-81.02	1.81	-12.19	-9.96	-0.42	-5.12
		934	6868.49	13.27	-1315.25	-1311.98	10.00	-65.85	-0.55	-21.88	-16.40	-6.04	-9.32
		952	6796.38	13.26	-1319.71	-1316.45	10.00	-65.85	-6.02	-27.69	-18.22	-15.48	-10.75
		951	6210.20	36.57	-1310.72	-1305.83	31.68	-81.02	-4.21	-17.44	-11.79	-9.87	-6.55
735	9	933	5867.60	32.02	-1189.74	-1185.04	27.32	-75.58	3.06	-11.14	-9.00	0.92	-5.08
		934	6301.88	10.51	-1197.97	-1194.82	7.36	-61.61	1.16	-19.30	-14.51	-3.64	-8.67
		952	6183.44	10.52	-1195.66	-1192.50	7.36	-61.61	-3.99	-23.79	-16.04	-11.73	-9.66
		951	5686.51	32.03	-1187.42	-1182.72	27.32	-75.58	-2.55	-15.16	-10.54	-7.17	-6.07
735	10	933	5852.31	33.22	-1198.57	-1194.04	28.69	-74.55	1.99	-11.08	-9.09	-5.54e-03	-4.70
		934	6314.46	11.96	-1206.76	-1203.72	8.93	-60.72	-0.18	-19.96	-15.00	-5.15	-8.57
		952	6246.91	11.95	-1211.90	-1208.88	8.93	-60.72	-5.32	-25.24	-16.69	-13.87	-9.86
		951	5709.53	33.20	-1203.71	-1199.20	28.69	-74.55	-3.67	-15.83	-10.78	-8.73	-5.99
735	11	933	5868.73	32.25	-1189.48	-1184.50	27.26	-77.88	3.08	-11.12	-8.99	0.95	-5.07
		934	6304.87	10.67	-1197.68	-1194.29	7.28	-63.89	1.16	-19.31	-14.51	-3.64	-8.67
		952	6194.89	10.67	-1197.34	-1193.96	7.28	-63.89	-4.00	-23.82	-16.05	-11.76	-9.68
		951	5695.69	32.25	-1189.15	-1184.16	27.26	-77.88	-2.55	-15.16	-10.53	-7.18	-6.08
736	1	932	6658.87	40.25	-1365.86	-1359.78	34.18	-92.22	9.50	-6.54	-5.92	8.88	-3.09
		933	7623.36	-3.01	-1382.45	-1379.47	-5.99	-64.10	3.71	-25.17	-19.16	-2.30	-11.72
		951	7415.01	-2.98	-1370.12	-1367.11	-5.99	-64.10	-8.00	-36.65	-22.87	-21.77	-14.31
		950	6131.80	40.31	-1353.55	-1347.42	34.18	-92.22	-4.41	-15.82	-9.64	-10.60	-5.69
736	2	932	6665.66	41.31	-1378.57	-1372.24	34.97	-94.65	7.50	-7.45	-6.65	6.70	-3.36
		933	7598.02	-2.25	-1395.20	-1392.02	-5.42	-66.38	2.18	-25.46	-19.21	-4.07	-11.56
		951	7425.09	-2.21	-1379.72	-1376.51	-5.42	-66.38	-8.20	-36.55	-22.70	-22.05	-14.17
		950	6207.77	41.38	-1363.13	-1356.72	34.97	-94.65	-4.71	-16.70	-10.14	-11.27	-5.97
736	3	932	6668.55	41.36	-1386.33	-1380.53	35.57	-90.77	8.32	-6.29	-5.94	7.97	-2.23
		933	7671.23	-1.54	-1402.92	-1400.10	-4.36	-62.82	1.55	-26.01	-20.02	-4.44	-11.37
		951	7550.54	-1.52	-1395.86	-1393.03	-4.36	-62.82	-9.77	-39.06	-23.93	-24.90	-14.64
		950	6178.11	41.39	-1379.28	-1373.46	35.57	-90.77	-5.52	-16.84	-9.86	-12.50	-5.50
736	4	932	6704.97	43.78	-1399.29	-1392.20	36.69	-100.87	7.79	-6.39	-6.03	7.42	-2.24
		933	7732.07	1.46	-1415.17	-1411.34	-2.37	-73.53	1.14	-26.26	-20.15	-4.97	-11.40
		951	7623.61	1.48	-1409.26	-1405.42	-2.37	-73.53	-10.20	-39.49	-24.09	-25.60	-14.63
		950	6231.11	43.81	-1393.40	-1386.28	36.69	-100.87	-5.89	-17.28	-9.97	-13.21	-5.46
736	5	932	7408.34	49.11	-1564.47	-1552.48	37.12	-138.58	2.13	-12.78	-9.46	-1.19	-6.20
		933	8475.95	2.94	-1580.53	-1572.94	-4.64	-109.35	-1.94	-32.20	-21.96	-12.18	-14.32
		951	8387.20	3.14	-1540.81	-1533.02	-4.64	-109.35	-9.29	-43.78	-25.15	-27.92	-17.19
		950	7094.78	49.41	-1524.86	-1512.56	37.12	-138.58	-5.47	-24.12	-12.66	-16.93	-9.08
736	6	932	6657.04	41.60	-1364.02	-1357.38	34.95	-96.42	9.59	-6.48	-5.88	8.98	-3.06
		933	7626.51	-2.51	-1380.72	-1377.37	-5.86	-67.85	3.74	-25.16	-19.17	-2.25	-11.72
		951	7433.60	-2.49	-1372.18	-1368.81	-5.86	-67.85	-8.02	-36.71	-22.90	-21.83	-14.34
		950	6142.79	41.64	-1355.49	-1348.81	34.95	-96.42	-4.41	-15.80	-9.61	-10.60	-5.67
736	7	932	6551.80	39.93	-1346.49	-1340.95	34.39	-87.50	9.59	-5.99	-5.61	9.21	-2.40

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		933	7507.32	-2.83	-1363.08	-1360.47	-5.45	-59.61	3.18	-24.79	-19.13	-2.47	-11.23
		951	7354.74	-2.83	-1361.02	-1358.40	-5.45	-59.61	-8.60	-36.83	-22.98	-22.45	-14.11
		950	6052.33	39.94	-1344.43	-1338.88	34.39	-87.50	-4.80	-15.44	-9.46	-10.77	-5.28
736	8	932	5134.65	31.95	-1068.42	-1063.96	27.49	-69.88	6.30	-4.87	-4.60	6.03	-1.72
		933	5908.14	-1.13	-1081.22	-1079.05	-3.30	-48.32	1.10	-20.08	-15.44	-3.54	-8.76
		951	5816.26	-1.12	-1075.28	-1073.10	-3.30	-48.32	-7.57	-30.16	-18.45	-19.28	-11.29
		950	4757.87	31.97	-1062.50	-1058.02	27.49	-69.88	-4.28	-13.04	-7.61	-9.72	-4.25
736	9	932	4718.61	28.53	-968.66	-964.40	24.27	-65.01	6.75	-4.56	-4.16	6.35	-2.07
		933	5404.35	-2.05	-980.41	-978.32	-4.14	-45.13	2.51	-17.85	-13.64	-1.70	-8.25
		951	5266.68	-2.04	-973.32	-971.22	-4.14	-45.13	-5.82	-26.14	-16.31	-15.65	-10.15
		950	4348.84	28.56	-961.59	-957.30	24.27	-65.01	-3.22	-11.20	-6.83	-7.60	-3.97
736	10	932	4724.09	29.14	-980.03	-975.93	25.04	-64.21	6.09	-4.42	-4.17	5.85	-1.59
		933	5430.87	-1.24	-991.78	-989.78	-3.23	-44.41	1.31	-18.32	-14.12	-2.89	-8.05
		951	5341.92	-1.23	-987.62	-985.62	-3.23	-44.41	-6.81	-27.48	-16.90	-17.39	-10.33
		950	4374.54	29.16	-975.88	-971.76	25.04	-64.21	-3.84	-11.77	-6.95	-8.65	-3.87
736	11	932	4717.53	29.27	-967.64	-963.06	24.70	-67.35	6.80	-4.52	-4.14	6.41	-2.05
		933	5406.06	-1.78	-979.44	-977.16	-4.07	-47.21	2.53	-17.85	-13.64	-1.68	-8.25
		951	5276.99	-1.77	-974.46	-972.16	-4.07	-47.21	-5.83	-26.17	-16.32	-15.68	-10.17
		950	4354.90	29.29	-962.66	-958.07	24.70	-67.35	-3.22	-11.19	-6.81	-7.59	-3.97
737	1	931	4556.25	27.58	-921.14	-918.34	24.79	-51.44	16.04	1.43	1.59	15.88	1.52
		932	5617.73	-15.49	-938.92	-938.35	-16.06	-22.86	5.40	-21.02	-16.18	0.56	-10.22
		950	5570.59	-15.48	-925.95	-925.38	-16.06	-22.86	-9.35	-37.42	-21.35	-25.42	-13.89
		949	3923.18	27.62	-908.20	-905.36	24.79	-51.44	-2.93	-10.74	-3.57	-10.10	-2.15
737	2	931	4528.16	22.32	-933.78	-930.79	19.32	-53.44	14.62	1.04	1.18	14.49	1.37
		932	5608.89	-18.19	-950.30	-949.54	-18.96	-26.65	4.25	-21.27	-16.28	-0.75	-10.13
		950	5586.60	-18.18	-929.47	-928.69	-18.96	-26.65	-9.41	-37.61	-21.27	-25.75	-13.92
		949	3931.81	22.38	-913.00	-909.94	19.32	-53.44	-3.03	-11.30	-3.81	-10.52	-2.42
737	3	931	4612.73	21.79	-944.32	-941.81	19.28	-49.24	16.32	1.35	1.78	15.90	2.49
		932	5682.66	-18.01	-960.89	-960.34	-18.56	-22.76	3.81	-21.55	-16.96	-0.78	-9.76
		950	5703.57	-17.99	-942.42	-941.86	-18.56	-22.76	-10.51	-39.42	-22.25	-27.68	-14.20
		949	4043.27	21.84	-925.89	-923.32	19.28	-49.24	-3.04	-11.47	-3.51	-11.00	-1.95
737	4	931	4616.69	18.04	-960.43	-957.09	14.70	-57.02	15.47	1.15	1.57	15.05	2.42
		932	5737.18	-17.47	-974.62	-973.44	-18.65	-33.67	3.24	-21.78	-17.06	-1.48	-9.79
		950	5776.18	-17.44	-955.11	-953.90	-18.65	-33.67	-10.90	-39.77	-22.36	-28.31	-14.13
		949	4119.26	18.10	-940.96	-937.56	14.70	-57.02	-3.29	-12.22	-3.73	-11.79	-1.92
737	5	931	4659.28	3.82	-1033.87	-1027.31	-2.74	-82.25	10.07	0.45	0.47	10.05	-0.42
		932	6138.59	-29.89	-1046.03	-1042.39	-33.53	-60.70	1.31	-26.77	-18.47	-7.00	-12.81
		950	6377.90	-29.74	-1006.95	-1003.17	-33.53	-60.70	-10.12	-46.16	-23.66	-32.62	-17.46
		949	4439.81	4.07	-994.90	-988.08	-2.74	-82.25	-2.73	-17.57	-4.72	-15.57	-5.06
737	6	931	4563.80	34.01	-917.06	-913.65	30.60	-56.87	16.30	1.52	1.70	16.13	1.60
		932	5625.71	-12.77	-935.99	-935.26	-13.50	-26.00	5.48	-21.03	-16.21	0.67	-10.22
		950	5596.06	-12.76	-928.23	-927.49	-13.50	-26.00	-9.41	-37.59	-21.42	-25.57	-13.93
		949	3948.47	34.04	-909.32	-905.88	30.60	-56.87	-2.89	-10.73	-3.51	-10.11	-2.11
737	7	931	4549.87	30.79	-911.46	-908.94	28.26	-48.74	16.78	1.50	1.82	16.46	2.21
		932	5557.11	-13.83	-930.15	-929.76	-14.23	-19.00	5.08	-20.59	-16.19	0.68	-9.67
		950	5533.86	-13.83	-922.55	-922.16	-14.23	-19.00	-9.74	-37.31	-21.42	-25.63	-13.62
		949	3917.19	30.81	-903.89	-901.34	28.26	-48.74	-2.96	-10.29	-3.40	-9.85	-1.75
737	8	931	3549.93	16.56	-727.92	-725.98	14.63	-37.89	12.51	1.03	1.36	12.18	1.92
		932	4376.84	-13.98	-740.63	-740.21	-14.40	-17.57	2.85	-16.64	-13.08	-0.70	-7.52
		950	4395.59	-13.97	-725.77	-725.33	-14.40	-17.57	-8.12	-30.45	-17.16	-21.41	-10.96
		949	3117.91	16.60	-713.08	-711.11	14.63	-37.89	-2.34	-8.91	-2.71	-8.54	-1.52
737	9	931	3239.04	19.47	-654.16	-652.22	17.52	-36.14	11.52	1.03	1.17	11.38	1.21
		932	3986.41	-11.00	-666.77	-666.38	-11.39	-15.91	3.75	-14.89	-11.52	0.39	-7.17
		950	3957.73	-10.99	-658.10	-657.71	-11.39	-15.91	-6.73	-26.62	-15.21	-18.14	-9.83
		949	2788.75	19.49	-645.52	-643.55	17.52	-36.14	-2.10	-7.57	-2.52	-7.15	-1.46
737	10	931	3270.67	16.25	-667.04	-665.26	14.46	-34.92	11.68	0.98	1.27	11.39	1.75
		932	4022.47	-12.40	-678.98	-678.60	-12.78	-15.85	2.87	-15.18	-11.95	-0.35	-6.91
		950	4031.46	-12.39	-667.25	-666.87	-12.78	-15.85	-7.38	-27.72	-15.71	-19.39	-10.01
		949	2855.47	16.28	-655.35	-653.53	14.46	-34.92	-2.15	-7.98	-2.48	-7.65	-1.35
737	11	931	3243.16	23.03	-651.89	-649.61	20.75	-39.15	11.67	1.08	1.23	11.51	1.25
		932	3990.78	-9.49	-665.14	-664.67	-9.97	-17.65	3.80	-14.89	-11.54	0.45	-7.17
		950	3971.85	-9.49	-659.37	-658.89	-9.97	-17.65	-6.76	-26.71	-15.25	-18.22	-9.86
		949	2802.84	23.05	-646.13	-643.84	20.75	-39.15	-2.08	-7.56	-2.48	-7.16	-1.44
738	1	11	2044.55	-11.10	-346.15	-343.57	-13.67	-29.26	15.52	4.17	5.53	14.17	3.68
		931	2451.90	-29.03	-360.07	-354.05	-35.05	44.23	4.50	-13.09	-9.39	0.80	-7.17
		949	2860.24	-29.04	-360.37	-354.36	-35.05	44.23	-6.77	-27.27	-14.72	-19.32	-9.99
		15	1713.08	-11.10	-346.45	-343.88	-13.67	-29.26	0.31	-6.07	0.19	-5.96	0.86
738	2	11	2010.39	-22.14	-351.94	-348.69	-25.39	32.58	15.40	4.17	5.64	13.93	3.79
		931	2437.74	-35.36	-362.44	-356.49	-41.31	43.72	3.97	-13.35	-9.53	0.14	-7.19
		949	2908.32	-35.28	-358.38	-352.35	-41.31	43.72	-6.84	-28.04	-14.86	-20.02	-10.28
		15	1714.12	-22.10	-347.84	-344.55	-25.39	32.58	0.38	-6.31	0.30	-6.23	0.70
738	3	11	2194.96	-24.49	-364.53	-360.29	-28.72	37.72	17.24	4.05	6.05	15.24	4.74

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		931	2490.84	-36.33	-374.34	-367.41	-43.25	47.89	3.71	-13.26	-9.98	0.43	-6.70
		949	2958.06	-36.09	-363.50	-356.33	-43.25	47.89	-7.44	-28.72	-15.43	-20.73	-10.31
		15	1727.50	-24.35	-353.59	-349.22	-28.72	37.72	0.79	-6.10	0.60	-5.91	1.13
738	4	11	2140.85	-44.11	-385.55	-380.28	-49.39	42.12	16.37	3.72	5.81	14.27	4.70
		931	2517.02	-42.63	-384.35	-379.39	-47.59	40.85	3.01	-13.48	-10.06	-0.41	-6.68
		949	3030.47	-42.47	-373.90	-368.79	-47.59	40.85	-7.82	-29.09	-15.53	-21.39	-10.23
		15	1780.38	-43.94	-375.12	-369.67	-49.39	42.12	0.53	-6.89	0.35	-6.70	1.15
738	5	11	1900.45	-54.99	-359.07	-357.09	-56.97	24.44	14.43	5.65	6.96	13.13	3.12
		931	2658.88	-64.06	-365.62	-362.23	-67.45	31.78	2.80	-17.89	-11.14	-3.94	-9.70
		949	3679.14	-64.01	-360.96	-357.51	-67.45	31.78	-7.28	-37.40	-17.19	-27.49	-14.15
		15	2036.30	-54.96	-354.39	-352.38	-56.97	24.44	1.07	-10.57	0.91	-10.42	-1.33
738	6	11	2063.12	0.68	-338.31	-337.35	-0.29	18.09	15.81	4.21	5.61	14.41	3.77
		931	2476.54	-24.71	-356.01	-351.51	-29.21	38.33	4.57	-13.10	-9.43	0.91	-7.17
		949	2893.62	-24.78	-361.29	-356.87	-29.21	38.33	-6.82	-27.43	-14.81	-19.44	-10.04
		15	1747.67	0.66	-343.65	-342.70	-0.29	18.09	0.35	-6.06	0.23	-5.93	0.89
738	7	11	2161.74	-2.68	-344.93	-342.79	-4.81	26.94	16.64	3.98	5.67	14.95	4.30
		931	2455.51	-24.83	-361.84	-355.64	-31.04	45.29	4.38	-12.62	-9.45	1.21	-6.62
		949	2834.79	-24.84	-362.18	-355.98	-31.04	45.29	-6.98	-26.87	-14.77	-19.08	-9.71
		15	1707.28	-2.68	-345.26	-343.13	-4.81	26.94	0.60	-5.59	0.35	-5.34	1.22
738	8	11	1687.55	-19.99	-281.31	-277.93	-23.38	29.54	13.27	3.12	4.68	11.72	3.66
		931	1917.69	-28.49	-288.39	-283.05	-33.83	36.86	2.81	-10.25	-7.71	0.27	-5.17
		949	2283.72	-28.30	-279.43	-273.90	-33.83	36.86	-5.75	-22.22	-11.91	-16.06	-7.97
		15	1331.39	-19.87	-272.29	-268.78	-23.38	29.54	0.62	-4.75	0.48	-4.61	0.85
738	9	11	1474.17	-7.33	-246.52	-244.68	-9.17	20.86	11.24	2.93	3.96	10.21	2.73
		931	1743.20	-20.44	-256.71	-252.34	-24.80	31.81	3.16	-9.23	-6.69	0.63	-5.00
		949	2030.04	-20.43	-256.58	-252.21	-24.80	31.81	-4.86	-19.34	-10.48	-13.71	-7.06
		15	1214.82	-7.33	-246.39	-244.55	-9.17	20.86	0.27	-4.23	0.17	-4.13	0.67
738	10	11	1557.61	-14.80	-256.70	-253.97	-17.53	25.56	12.20	2.86	4.25	10.81	3.32
		931	1765.08	-24.49	-264.64	-259.77	-29.36	33.84	2.72	-9.33	-7.02	0.42	-4.74
		949	2084.04	-24.35	-258.31	-253.31	-29.36	33.84	-5.23	-20.14	-10.88	-14.49	-7.23
		15	1222.82	-14.72	-250.32	-247.51	-17.53	25.56	0.54	-4.25	0.39	-4.10	0.82
738	11	11	1483.99	-0.84	-242.12	-241.22	-1.73	14.66	11.40	2.95	4.00	10.35	2.78
		931	1756.67	-18.06	-254.43	-250.93	-21.55	28.53	3.20	-9.23	-6.72	0.69	-5.00
		949	2048.48	-18.09	-257.06	-253.61	-21.55	28.53	-4.88	-19.43	-10.53	-13.78	-7.09
		15	1234.02	-0.85	-244.78	-243.90	-1.73	14.66	0.29	-4.22	0.19	-4.11	0.69
739	1	921	2713.56	23.50	-455.01	-423.15	-8.36	119.29	-6.94	-21.92	-14.57	-14.29	-7.49
		8	2235.74	5.29	-483.39	-438.47	-39.63	141.18	1.69	-4.65	-0.72	-2.25	3.08
		12	3035.76	4.21	-494.31	-450.48	-39.63	141.18	18.81	3.04	4.83	17.02	5.00
		939	2856.88	22.72	-466.23	-435.15	-8.36	119.29	6.92	-10.96	-9.02	4.98	-5.56
739	2	921	2729.74	17.99	-442.01	-412.75	-11.26	112.25	-7.02	-23.88	-14.77	-16.13	-8.41
		8	2058.37	-1.79	-472.42	-429.26	-44.95	135.84	0.76	-4.78	-0.51	-3.51	2.33
		12	2858.08	-2.99	-484.74	-442.78	-44.95	135.84	17.68	3.34	5.02	16.00	4.62
		939	2752.57	17.16	-454.69	-426.27	-11.26	112.25	5.85	-11.72	-9.24	3.38	-6.12
739	3	921	2676.52	17.37	-437.05	-409.50	-10.18	108.45	-6.44	-23.23	-14.19	-15.48	-8.37
		8	2004.70	-3.08	-467.83	-426.34	-44.56	132.52	0.06	-4.81	-0.83	-3.92	1.88
		12	2657.01	-3.74	-474.67	-433.84	-44.56	132.52	15.73	3.39	4.58	14.54	3.64
		939	2666.18	16.93	-444.09	-416.99	-10.18	108.45	5.96	-11.76	-8.79	2.99	-6.62
739	4	921	2541.19	-5.76	-393.77	-357.57	-41.97	112.86	-6.08	-22.68	-13.67	-15.10	-8.27
		8	1809.29	-20.97	-423.30	-372.28	-71.99	133.88	-0.01	-4.72	-0.69	-4.04	1.66
		12	2451.43	-26.46	-465.62	-420.09	-71.99	133.88	14.58	3.43	4.47	13.55	3.24
		939	2496.03	-9.77	-437.57	-405.38	-41.97	112.86	5.64	-11.66	-8.51	2.48	-6.68
739	5	921	3749.76	-27.84	-413.74	-377.87	-63.71	112.06	-8.50	-36.74	-18.05	-27.19	-13.36
		8	2159.85	-48.57	-455.74	-398.50	-105.81	141.53	1.28	-8.31	1.28	-8.31	0.09
		12	2722.16	-56.03	-508.17	-458.39	-105.81	141.53	18.77	4.63	7.40	16.00	5.61
		939	2721.16	-32.71	-468.76	-437.75	-63.71	112.06	1.65	-16.44	-11.92	-2.87	-7.83
739	6	921	2557.15	9.05	-424.87	-390.32	-25.50	117.46	-6.26	-21.14	-14.06	-13.34	-7.43
		8	2090.76	-8.07	-454.72	-405.77	-57.02	139.53	1.56	-4.00	-0.72	-1.72	2.73
		12	2901.91	-12.22	-491.54	-446.73	-57.02	139.53	17.90	2.96	4.56	16.31	4.62
		939	2761.00	6.05	-462.84	-431.29	-25.50	117.46	6.68	-10.78	-8.78	4.68	-5.55
739	7	921	2608.94	19.69	-433.80	-404.17	-9.94	112.07	-6.45	-21.83	-13.95	-14.33	-7.68
		8	2063.15	1.24	-462.43	-419.65	-41.54	134.19	0.73	-4.56	-0.81	-3.02	2.40
		12	2757.45	0.23	-472.70	-430.93	-41.54	134.19	16.61	3.14	4.52	15.24	4.08
		939	2683.37	18.97	-444.36	-415.45	-9.94	112.07	6.34	-11.03	-8.62	3.93	-6.01
739	8	921	2064.18	13.81	-338.44	-317.26	-7.38	83.75	-4.94	-17.80	-10.91	-11.83	-6.41
		8	1555.67	-1.99	-362.12	-330.24	-33.87	102.30	0.04	-3.71	-0.67	-2.99	1.47
		12	2049.62	-2.38	-366.17	-334.68	-33.87	102.30	12.09	2.60	3.50	11.19	2.78
		939	2056.79	13.55	-342.62	-321.70	-7.38	83.75	4.64	-9.02	-6.74	2.35	-5.10
739	9	921	1909.50	15.44	-317.87	-295.76	-6.67	82.95	-4.87	-15.76	-10.28	-10.34	-5.44
		8	1540.68	2.36	-338.27	-306.77	-29.13	98.68	0.96	-3.28	-0.49	-1.83	2.01
		12	2098.44	1.51	-346.87	-316.22	-29.13	98.68	12.95	2.21	3.41	11.75	3.39
		939	1993.07	14.83	-326.71	-305.21	-6.67	82.95	4.72	-7.87	-6.38	3.23	-4.07
739	10	921	1893.54	12.03	-307.88	-288.17	-7.68	76.92	-4.59	-16.49	-10.07	-11.00	-5.93

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		8	1413.47	-2.29	-329.62	-300.03	-31.88	93.86	0.09	-3.40	-0.55	-2.76	1.35
		12	1888.10	-2.90	-335.95	-306.98	-31.88	93.86	11.24	2.40	3.27	10.37	2.63
		939	1888.66	11.61	-314.41	-295.12	-7.68	76.92	4.20	-8.32	-6.25	2.13	-4.65
739	11	921	1823.43	7.37	-301.08	-277.52	-16.19	81.93	-4.49	-15.32	-10.00	-9.81	-5.41
		8	1460.37	-5.09	-322.31	-288.60	-38.80	97.76	0.88	-2.91	-0.49	-1.53	1.82
		12	2024.18	-7.62	-345.32	-314.14	-38.80	97.76	12.45	2.16	3.26	11.35	3.17
		939	1940.30	5.56	-324.82	-303.06	-16.19	81.93	4.59	-7.77	-6.25	3.07	-4.06
740	1	920	5636.64	65.54	-991.80	-989.30	63.04	51.37	-9.20	-33.65	-21.74	-21.10	-12.22
		921	4206.06	81.24	-982.59	-981.11	79.75	39.68	-4.13	-6.01	-4.13	-6.01	-0.09
		939	5453.16	81.21	-1001.76	-1000.30	79.75	39.68	21.46	1.23	1.71	20.97	3.10
		938	6119.29	65.50	-1010.95	-1008.49	63.04	51.37	9.14	-19.16	-15.90	5.88	-9.04
740	2	920	5574.42	63.64	-978.03	-976.05	61.67	45.29	-9.10	-34.33	-21.43	-22.00	-12.61
		921	4111.93	79.87	-968.71	-967.65	78.81	33.28	-4.08	-7.52	-4.35	-7.25	-0.93
		939	5268.93	79.84	-1000.00	-998.97	78.81	33.28	18.52	0.83	1.14	18.21	2.33
		938	5999.34	63.58	-1009.29	-1007.37	61.67	45.29	7.23	-19.71	-15.93	3.45	-9.35
740	3	920	5479.38	62.47	-966.46	-964.74	60.75	42.07	-7.97	-32.66	-20.46	-20.17	-12.35
		921	4111.28	79.34	-956.89	-956.04	78.50	29.64	-3.97	-7.56	-4.67	-6.86	-1.42
		939	5157.83	79.32	-990.30	-989.47	78.50	29.64	16.79	0.44	0.53	16.71	1.19
		938	5914.98	62.42	-999.84	-998.17	60.75	42.07	7.55	-19.42	-15.27	3.40	-9.73
740	4	920	5333.80	33.32	-928.92	-928.64	33.03	16.51	-7.42	-31.39	-19.83	-18.99	-11.98
		921	3961.79	31.46	-929.91	-929.57	31.13	17.85	-3.94	-7.75	-4.95	-6.73	-1.68
		939	5037.05	31.43	-1010.84	-1010.54	31.13	17.85	15.17	-0.14	-0.12	15.15	0.52
		938	5891.57	33.30	-1009.87	-1009.60	33.03	16.51	7.20	-19.30	-15.00	2.90	-9.77
740	5	920	6223.96	33.00	-1017.16	-1017.06	32.90	10.16	-11.98	-46.84	-24.90	-33.93	-16.83
		921	4636.56	30.92	-1018.23	-1018.10	30.79	11.64	-3.59	-16.19	-4.89	-14.88	-3.84
		939	5197.30	30.91	-1129.55	-1129.43	30.79	11.64	11.61	0.06	0.45	11.21	2.09
		938	6348.10	32.99	-1128.49	-1128.40	32.90	10.16	-1.32	-26.07	-19.55	-7.83	-10.90
740	6	920	5550.38	51.62	-969.08	-967.70	50.24	37.53	-8.69	-32.85	-21.33	-20.21	-12.06
		921	4122.70	59.25	-964.76	-963.77	58.26	31.92	-4.21	-5.75	-4.29	-5.68	-0.33
		939	5376.06	59.21	-1009.93	-1008.98	58.26	31.92	20.53	0.94	1.32	20.15	2.69
		938	6094.26	51.56	-1014.23	-1012.91	50.24	37.53	8.94	-19.04	-15.72	5.62	-9.04
740	7	920	5415.74	61.26	-954.62	-952.59	59.23	45.40	-8.21	-32.09	-20.50	-19.81	-11.94
		921	4059.56	76.72	-945.70	-944.57	75.60	33.94	-4.06	-6.43	-4.34	-6.15	-0.76
		939	5174.75	76.69	-973.47	-972.37	75.60	33.94	18.58	0.81	1.03	18.36	1.95
		938	5878.00	61.21	-982.37	-980.39	59.23	45.40	8.34	-18.76	-15.13	4.71	-9.23
740	8	920	4224.54	48.29	-746.36	-745.01	46.94	32.64	-6.08	-25.01	-15.72	-15.37	-9.47
		921	3180.73	61.45	-738.89	-738.23	60.79	22.94	-3.08	-5.75	-3.63	-5.20	-1.08
		939	3979.19	61.43	-763.57	-762.93	60.79	22.94	12.93	0.31	0.37	12.87	0.89
		938	4559.83	48.25	-771.01	-769.71	46.94	32.64	5.89	-14.91	-11.72	2.70	-7.50
740	9	920	3965.14	45.76	-696.75	-695.09	44.11	34.99	-6.42	-23.83	-15.27	-14.97	-8.71
		921	2949.22	56.81	-690.30	-689.34	55.85	26.77	-2.92	-4.47	-2.96	-4.43	-0.23
		939	3815.54	56.79	-706.80	-705.86	55.85	26.77	14.62	0.81	1.10	14.33	1.99
		938	4301.56	45.73	-713.23	-711.61	44.11	34.99	6.21	-13.63	-11.22	3.79	-6.49
740	10	920	3878.08	44.06	-682.67	-681.45	42.84	29.82	-5.73	-23.29	-14.56	-14.45	-8.78
		921	2897.57	55.77	-676.03	-675.41	55.15	21.20	-2.81	-5.36	-3.26	-4.91	-0.97
		939	3652.52	55.75	-700.44	-699.85	55.15	21.20	12.04	0.37	0.44	11.96	0.93
		938	4188.81	44.02	-707.07	-705.88	42.84	29.82	5.33	-13.78	-10.86	2.42	-6.87
740	11	920	3917.51	38.03	-684.12	-683.09	37.00	27.30	-6.14	-23.39	-15.04	-14.48	-8.62
		921	2903.56	44.60	-680.40	-679.70	43.91	22.46	-2.94	-4.35	-3.05	-4.25	-0.37
		939	3773.62	44.58	-711.35	-710.68	43.91	22.46	14.11	0.65	0.88	13.88	1.76
		938	4288.15	37.99	-715.06	-714.07	37.00	27.30	6.10	-13.56	-11.12	3.65	-6.49
741	1	919	7611.57	79.26	-1409.09	-1409.08	79.26	2.62	-6.73	-34.01	-23.28	-17.46	-13.33
		920	6527.26	108.08	-1395.26	-1395.06	107.88	-17.42	-3.50	-12.72	-10.12	-6.10	-4.15
		938	7295.64	108.08	-1414.13	-1413.93	107.88	-17.42	14.81	-5.70	-5.55	14.65	-1.77
		937	8047.48	79.26	-1427.96	-1427.96	79.26	2.62	7.81	-23.23	-18.71	3.29	-10.95
741	2	919	7502.94	79.21	-1396.71	-1396.71	79.21	-0.84	-6.77	-33.77	-22.68	-17.85	-13.28
		920	6490.15	109.81	-1382.20	-1381.87	109.48	-22.03	-3.86	-14.20	-10.65	-7.41	-4.91
		938	7172.58	109.80	-1415.69	-1415.37	109.48	-22.03	11.23	-6.98	-6.58	10.83	-2.67
		937	7908.77	79.21	-1430.21	-1430.21	79.21	-0.84	5.45	-23.68	-18.62	0.39	-11.04
741	3	919	7412.62	77.35	-1382.57	-1382.56	77.35	-3.52	-5.06	-31.52	-21.48	-15.10	-12.84
		920	6525.33	108.83	-1367.78	-1367.34	108.40	-25.26	-2.74	-14.49	-10.94	-6.28	-5.39
		938	7150.25	108.82	-1409.05	-1408.63	108.40	-25.26	10.33	-8.12	-7.29	9.51	-3.82
		937	7835.17	77.35	-1423.85	-1423.84	77.35	-3.52	6.01	-23.15	-17.83	0.69	-11.26
741	4	919	7386.90	69.85	-1370.19	-1369.84	69.50	-22.29	-4.79	-31.16	-21.29	-14.66	-12.76
		920	6503.28	100.52	-1356.54	-1355.27	99.25	-43.11	-2.52	-14.66	-11.04	-6.13	-5.55
		938	7206.84	100.47	-1426.41	-1425.19	99.25	-43.11	9.94	-8.49	-7.56	9.00	-4.04
		937	7900.04	69.83	-1440.10	-1439.77	69.50	-22.29	5.84	-23.17	-17.81	0.48	-11.26
741	5	919	8351.57	86.74	-1533.43	-1532.86	86.18	-30.26	-12.61	-47.93	-27.47	-33.06	-17.44
		920	6957.70	122.89	-1517.59	-1515.77	121.07	-54.69	-7.22	-24.24	-12.87	-18.59	-8.02
		938	7657.04	122.78	-1629.62	-1627.91	121.07	-54.69	0.30	-10.16	-9.14	-0.73	-3.11
		937	8665.51	86.71	-1645.53	-1645.00	86.18	-30.26	-6.24	-32.70	-23.73	-15.21	-12.53
741	6	919	7586.95	76.12	-1398.89	-1398.85	76.08	-7.68	-6.47	-33.77	-23.13	-17.11	-13.31

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		920	6505.74	104.64	-1385.60	-1385.10	104.14	-27.32	-3.25	-12.83	-10.17	-5.91	-4.29
		938	7309.14	104.63	-1419.88	-1419.39	104.14	-27.32	14.56	-5.88	-5.70	14.38	-1.92
		937	8067.16	76.12	-1433.18	-1433.14	76.08	-7.68	7.71	-23.21	-18.67	3.17	-10.95
741	7	919	7335.81	75.66	-1362.69	-1362.69	75.66	-0.47	-5.49	-31.73	-21.75	-15.47	-12.74
		920	6381.87	105.25	-1348.65	-1348.34	104.94	-20.97	-2.84	-13.23	-10.29	-5.78	-4.68
		938	7065.16	105.24	-1380.00	-1379.70	104.94	-20.97	12.37	-6.73	-6.30	11.94	-2.84
		937	7768.41	75.66	-1394.05	-1394.05	75.66	-0.47	7.04	-22.55	-17.76	2.25	-10.90
741	8	919	5717.17	59.54	-1067.05	-1067.05	59.53	-2.65	-3.77	-24.09	-16.48	-11.39	-9.84
		920	5044.49	83.78	-1055.66	-1055.33	83.45	-19.39	-2.02	-11.15	-8.47	-4.70	-4.16
		938	5516.28	83.77	-1086.38	-1086.06	83.45	-19.39	7.96	-6.33	-5.67	7.30	-2.99
		937	6037.93	59.54	-1097.78	-1097.78	59.53	-2.65	4.71	-17.77	-13.68	0.62	-8.67
741	9	919	5355.37	55.86	-991.79	-991.79	55.86	1.05	-4.68	-23.95	-16.33	-12.30	-9.43
		920	4599.74	76.59	-981.88	-981.72	76.42	-13.34	-2.47	-9.22	-7.22	-4.47	-3.08
		938	5135.91	76.59	-999.18	-999.01	76.42	-13.34	9.93	-4.23	-4.08	9.78	-1.45
		937	5667.29	55.86	-1009.09	-1009.09	55.86	1.05	5.24	-16.48	-13.19	1.94	-7.79
741	10	919	5244.62	54.80	-977.06	-977.05	54.80	-2.36	-3.75	-22.56	-15.32	-10.99	-9.15
		920	4599.14	77.01	-966.62	-966.32	76.71	-17.70	-2.04	-10.20	-7.67	-4.57	-3.77
		938	5056.21	77.00	-996.36	-996.06	76.71	-17.70	7.46	-5.59	-5.05	6.92	-2.59
		937	5549.79	54.80	-1006.80	-1006.80	54.80	-2.36	4.25	-16.45	-12.70	0.50	-7.97
741	11	919	5341.75	54.11	-986.13	-986.11	54.09	-4.67	-4.54	-23.82	-16.24	-12.11	-9.42
		920	4588.09	74.68	-976.52	-976.19	74.34	-18.84	-2.33	-9.28	-7.25	-4.36	-3.16
		938	5143.93	74.67	-1002.38	-1002.05	74.34	-18.84	9.80	-4.34	-4.17	9.63	-1.54
		937	5678.39	54.11	-1011.99	-1011.97	54.09	-4.67	5.19	-16.48	-13.17	1.88	-7.79
742	1	918	8932.63	81.77	-1694.89	-1693.98	80.86	-40.06	-3.01	-31.74	-22.77	-11.98	-13.31
		919	8324.33	98.75	-1687.44	-1685.95	97.26	-51.54	-1.00	-19.62	-15.33	-5.29	-7.84
		937	8683.68	98.74	-1703.19	-1701.71	97.26	-51.54	8.86	-14.30	-12.34	6.90	-6.45
		936	9195.65	81.76	-1710.64	-1709.75	80.86	-40.06	5.77	-25.34	-19.77	0.20	-11.93
742	2	918	8805.77	82.54	-1684.41	-1683.46	81.59	-40.98	-3.22	-30.89	-22.04	-12.08	-12.91
		919	8311.47	101.41	-1676.16	-1674.54	99.79	-53.72	-1.72	-21.00	-16.04	-6.68	-8.43
		937	8617.54	101.39	-1706.88	-1705.29	99.79	-53.72	5.38	-16.47	-13.63	2.53	-7.35
		936	9050.70	82.52	-1715.14	-1714.21	81.59	-40.98	3.26	-25.74	-19.62	-2.87	-11.84
742	3	918	8738.37	80.57	-1670.23	-1669.19	79.53	-42.75	-0.96	-28.36	-20.68	-8.64	-12.31
		919	8376.35	100.51	-1661.58	-1659.78	98.72	-56.18	-0.09	-21.15	-16.31	-4.92	-8.86
		937	8655.19	100.47	-1703.45	-1701.69	98.72	-56.18	5.08	-18.03	-14.40	1.45	-8.41
		936	8987.70	80.54	-1712.12	-1711.10	79.53	-42.75	3.93	-24.97	-18.77	-2.27	-11.86
742	4	918	8749.40	81.20	-1667.00	-1665.12	79.33	-57.28	-0.82	-28.18	-20.60	-8.40	-12.24
		919	8396.25	101.66	-1658.44	-1655.58	98.80	-70.91	2.69e-03	-21.24	-16.39	-4.85	-8.92
		937	8734.62	101.57	-1717.92	-1715.16	98.80	-70.91	4.91	-18.28	-14.56	1.19	-8.51
		936	9060.21	81.14	-1726.51	-1724.70	79.33	-57.28	3.84	-24.97	-18.77	-2.36	-11.84
742	5	918	9956.73	126.45	-1915.96	-1913.27	123.76	-74.05	-12.56	-46.05	-28.29	-30.32	-16.72
		919	9222.49	144.43	-1908.52	-1904.91	140.82	-85.99	-9.45	-32.26	-20.03	-21.68	-11.37
		937	9692.22	144.23	-2026.73	-2023.31	140.82	-85.99	-7.12	-24.20	-18.06	-13.26	-8.20
		936	1.032e+04	126.30	-2034.21	-2031.67	123.76	-74.05	-10.39	-37.83	-26.32	-21.89	-13.54
742	6	918	8923.93	82.31	-1688.92	-1687.60	80.99	-48.31	-2.89	-31.63	-22.70	-11.82	-13.30
		919	8319.42	99.62	-1681.48	-1679.46	97.60	-59.94	-0.89	-19.67	-15.35	-5.20	-7.90
		937	8708.32	99.60	-1706.99	-1705.00	97.60	-59.94	8.76	-14.42	-12.41	6.76	-6.52
		936	9218.43	82.29	-1714.44	-1713.14	80.99	-48.31	5.72	-25.34	-19.76	0.14	-11.92
742	7	918	8635.28	78.35	-1643.23	-1642.28	77.40	-40.48	-1.58	-29.07	-21.10	-9.55	-12.47
		919	8169.90	96.55	-1635.30	-1633.69	94.94	-52.76	-0.21	-19.83	-15.44	-4.60	-8.17
		937	8487.23	96.52	-1665.92	-1664.34	94.94	-52.76	7.01	-15.76	-13.07	4.32	-7.35
		936	8898.32	78.34	-1673.87	-1672.94	77.40	-40.48	5.08	-24.43	-18.73	-0.62	-11.65
742	8	918	6741.88	62.00	-1288.80	-1287.99	61.19	-33.01	-0.55	-21.67	-15.85	-6.37	-9.43
		919	6473.96	77.28	-1282.16	-1280.78	75.90	-43.30	0.07	-16.30	-12.62	-3.62	-6.84
		937	6677.67	77.25	-1313.23	-1311.88	75.90	-43.30	3.92	-13.99	-11.16	1.09	-6.54
		936	6924.74	61.98	-1319.88	-1319.09	61.19	-33.01	3.10	-19.16	-14.39	-1.66	-9.13
742	9	918	6287.68	57.73	-1194.14	-1193.49	57.08	-28.59	-2.05	-22.24	-15.94	-8.35	-9.35
		919	5874.91	70.20	-1188.68	-1187.59	69.11	-37.01	-0.73	-14.05	-10.92	-3.86	-5.65
		937	6130.81	70.19	-1204.37	-1203.29	69.11	-37.01	5.81	-10.43	-8.91	4.28	-4.74
		936	6482.02	57.72	-1209.83	-1209.19	57.08	-28.59	3.80	-17.95	-13.93	-0.21	-8.44
742	10	918	6179.42	57.07	-1180.45	-1179.71	56.34	-30.08	-0.92	-20.36	-14.79	-6.49	-8.79
		919	5903.95	71.18	-1174.32	-1173.06	69.92	-39.59	-0.22	-14.90	-11.46	-3.65	-6.22
		937	6115.82	71.15	-1204.51	-1203.28	69.92	-39.59	3.72	-12.52	-10.05	1.25	-5.83
		936	6366.77	57.05	-1210.65	-1209.94	56.34	-30.08	2.79	-17.75	-13.38	-1.59	-8.41
742	11	918	6282.83	58.03	-1190.82	-1189.94	57.15	-33.17	-1.99	-22.18	-15.90	-8.26	-9.34
		919	5872.30	70.69	-1185.37	-1183.99	69.30	-41.68	-0.66	-14.07	-10.93	-3.81	-5.68
		937	6144.73	70.66	-1206.48	-1205.12	69.30	-41.68	5.75	-10.50	-8.95	4.20	-4.78
		936	6494.72	58.02	-1211.94	-1211.07	57.15	-33.17	3.78	-17.95	-13.93	-0.25	-8.44
743	1	917	9595.25	84.04	-1847.62	-1844.81	81.24	-73.57	0.59	-28.45	-20.98	-6.88	-12.69
		918	9426.05	84.02	-1847.63	-1844.82	81.21	-73.55	1.33	-24.55	-18.86	-4.36	-10.72
		936	9458.52	84.02	-1847.37	-1844.56	81.21	-73.55	4.40	-22.05	-17.40	-0.25	-10.07
		935	9616.50	84.04	-1847.36	-1844.55	81.24	-73.57	3.53	-25.81	-19.52	-2.76	-12.04
743	2	917	9466.74	85.07	-1839.47	-1836.76	82.36	-72.24	0.28	-27.24	-20.21	-6.75	-12.00

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		918	9424.31	86.95	-1838.69	-1835.88	84.14	-73.49	0.38	-25.81	-19.67	-5.76	-11.09
		936	9437.48	86.93	-1853.11	-1850.32	84.14	-73.49	1.20	-24.73	-18.80	-4.73	-10.89
		935	9478.57	85.05	-1853.89	-1851.19	82.36	-72.24	1.09	-26.16	-19.34	-5.73	-11.80
743	3	917	9425.45	83.11	-1826.45	-1823.66	80.32	-72.86	2.96	-24.61	-18.78	-2.86	-11.26
		918	9511.78	86.20	-1825.17	-1822.23	83.26	-74.91	2.34	-25.80	-19.92	-3.53	-11.44
		936	9510.07	86.16	-1852.59	-1849.70	83.26	-74.91	1.12	-26.32	-19.61	-5.60	-11.80
		935	9422.79	83.07	-1853.88	-1851.13	80.32	-72.86	1.75	-25.14	-18.47	-4.93	-11.62
743	4	917	9448.91	86.13	-1826.73	-1822.96	82.36	-84.88	3.07	-24.46	-18.72	-2.66	-11.18
		918	9545.68	90.23	-1825.08	-1821.07	86.22	-87.58	2.39	-25.85	-19.99	-3.47	-11.45
		936	9587.36	90.15	-1864.58	-1860.65	86.22	-87.58	1.01	-26.51	-19.73	-5.76	-11.86
		935	9489.29	86.06	-1866.23	-1862.54	82.36	-84.88	1.71	-25.12	-18.46	-4.96	-11.59
743	5	917	1.101e+04	91.47	-2209.68	-2206.36	88.15	-87.35	-12.00	-42.26	-27.73	-26.53	-15.12
		918	1.089e+04	149.05	-2186.55	-2179.82	142.31	-125.26	-10.90	-38.30	-25.52	-23.68	-13.67
		936	1.122e+04	148.74	-2300.01	-2293.59	142.31	-125.26	-12.31	-37.01	-25.24	-24.08	-12.34
		935	1.135e+04	91.32	-2323.29	-2320.12	88.15	-87.35	-13.40	-40.98	-27.45	-26.93	-13.79
743	6	917	9589.40	85.29	-1843.08	-1839.70	81.91	-80.68	0.66	-28.37	-20.93	-6.78	-12.67
		918	9424.50	85.84	-1842.86	-1839.45	82.43	-81.04	1.38	-24.57	-18.87	-4.32	-10.75
		936	9479.81	85.83	-1849.42	-1846.02	82.43	-81.04	4.34	-22.13	-17.45	-0.34	-10.10
		935	9633.83	85.28	-1849.65	-1846.28	81.91	-80.68	3.49	-25.80	-19.51	-2.80	-12.03
743	7	917	9298.69	80.39	-1794.33	-1791.59	77.65	-71.70	2.17	-25.62	-19.29	-4.16	-11.65
		918	9266.55	82.02	-1793.66	-1790.83	79.19	-72.78	2.19	-24.48	-18.91	-3.38	-10.84
		936	9288.49	82.00	-1810.06	-1807.26	79.19	-72.78	2.95	-23.58	-18.08	-2.55	-10.75
		935	9319.82	80.37	-1810.74	-1808.02	77.65	-71.70	2.92	-24.72	-18.47	-3.33	-11.56
743	8	917	7272.92	64.00	-1409.08	-1406.92	61.84	-56.33	2.50	-18.79	-14.38	-1.91	-8.63
		918	7350.08	66.25	-1408.14	-1405.87	63.98	-57.83	1.97	-19.90	-15.40	-2.54	-8.84
		936	7337.04	66.22	-1428.07	-1425.83	63.98	-57.83	0.86	-20.40	-15.18	-4.35	-9.15
		935	7258.76	63.97	-1429.00	-1426.88	61.84	-56.33	1.40	-19.29	-14.16	-3.73	-8.94
743	9	917	6757.80	59.31	-1302.71	-1300.74	57.34	-51.77	0.50	-19.84	-14.67	-4.66	-8.85
		918	6657.50	59.80	-1302.51	-1300.51	57.81	-52.10	0.92	-17.49	-13.42	-3.15	-7.64
		936	6688.51	59.79	-1307.12	-1305.13	57.81	-52.10	2.72	-15.97	-12.50	-0.75	-7.27
		935	6783.12	59.30	-1307.32	-1305.36	57.34	-51.77	2.24	-18.25	-13.76	-2.26	-8.48
743	10	917	6663.22	58.79	-1290.95	-1288.99	56.83	-51.38	1.82	-17.70	-13.45	-2.43	-8.06
		918	6705.10	61.01	-1290.03	-1287.96	58.94	-52.86	1.48	-18.18	-14.01	-2.69	-8.04
		936	6717.73	60.98	-1310.02	-1307.98	58.94	-52.86	0.91	-18.36	-13.73	-3.72	-8.23
		935	6675.68	58.76	-1310.94	-1309.01	56.83	-51.38	1.26	-17.88	-13.17	-3.46	-8.25
743	11	917	6754.48	60.00	-1300.19	-1297.90	57.71	-55.72	0.54	-19.79	-14.64	-4.61	-8.84
		918	6656.68	60.81	-1299.86	-1297.53	58.48	-56.26	0.95	-17.50	-13.42	-3.13	-7.65
		936	6700.45	60.80	-1308.25	-1305.94	58.48	-56.26	2.69	-16.02	-12.53	-0.80	-7.29
		935	6792.73	59.98	-1308.59	-1306.32	57.71	-55.72	2.22	-18.25	-13.75	-2.28	-8.48
744	1	916	9522.53	82.77	-1855.42	-1849.86	77.22	-103.60	3.92	-23.53	-17.73	-1.89	-11.21
		917	9764.38	61.16	-1863.94	-1859.77	57.00	-89.44	3.26	-27.40	-20.70	-3.44	-12.67
		935	9541.90	61.20	-1845.00	-1840.80	57.00	-89.44	0.46	-28.42	-20.82	-7.14	-12.72
		934	9293.02	82.83	-1836.50	-1830.89	77.22	-103.60	1.10	-24.53	-17.85	-5.59	-11.26
744	2	916	9406.10	83.80	-1850.24	-1845.02	78.58	-100.33	3.61	-22.10	-16.96	-1.53	-10.29
		917	9771.15	64.07	-1858.06	-1854.08	60.09	-87.38	2.19	-28.46	-21.55	-4.72	-12.81
		935	9562.76	64.08	-1852.95	-1848.96	60.09	-87.38	-2.35	-31.29	-22.23	-11.41	-13.42
		934	9174.42	83.81	-1845.13	-1839.90	78.58	-100.33	-1.05	-24.80	-17.64	-8.22	-10.90
744	3	916	9390.69	81.81	-1838.95	-1833.77	76.62	-99.65	6.56	-19.57	-15.55	2.54	-9.43
		917	9870.92	63.44	-1846.23	-1842.20	59.41	-87.60	4.30	-28.30	-21.79	-2.21	-13.03
		935	9653.99	63.42	-1855.17	-1851.16	59.41	-87.60	-2.41	-32.70	-23.04	-12.07	-14.12
		934	9124.30	81.78	-1847.89	-1842.73	76.62	-99.65	-0.52	-23.59	-16.80	-7.31	-10.51
744	4	916	9419.47	85.15	-1840.91	-1834.58	78.82	-110.22	6.70	-19.42	-15.49	2.77	-9.34
		917	9909.38	67.72	-1847.65	-1842.53	62.60	-98.87	4.34	-28.32	-21.85	-2.13	-13.01
		935	9728.27	67.67	-1866.03	-1860.96	62.60	-98.87	-2.46	-32.84	-23.14	-12.15	-14.16
		934	9187.28	85.09	-1859.28	-1853.02	78.82	-110.22	-0.50	-23.54	-16.78	-7.26	-10.48
744	5	916	1.076e+04	131.62	-2249.14	-2242.97	125.45	-121.04	-6.07	-23.79	-19.06	-10.80	-7.84
		917	1.170e+04	86.22	-2267.45	-2263.92	82.69	-91.11	-10.91	-42.71	-31.29	-22.34	-15.26
		935	1.166e+04	86.22	-2270.19	-2266.66	82.69	-91.11	-17.52	-56.26	-34.11	-39.68	-19.17
		934	1.054e+04	131.61	-2251.87	-2245.71	125.45	-121.04	-12.85	-37.17	-21.88	-28.14	-11.75
744	6	916	9516.00	83.74	-1851.44	-1845.15	77.45	-110.18	3.97	-23.45	-17.68	-1.80	-11.18
		917	9762.59	62.54	-1859.67	-1854.83	57.70	-96.36	3.29	-27.40	-20.71	-3.40	-12.67
		935	9558.34	62.58	-1845.78	-1840.90	57.70	-96.36	0.42	-28.48	-20.85	-7.21	-12.74
		934	9304.43	83.79	-1837.57	-1831.23	77.45	-110.18	1.08	-24.51	-17.83	-5.61	-11.24
744	7	916	9248.07	78.83	-1804.23	-1798.94	73.54	-99.68	5.58	-20.76	-16.12	0.95	-10.03
		917	9608.35	59.32	-1811.93	-1807.89	55.27	-86.89	4.14	-27.07	-20.71	-2.23	-12.57
		935	9400.86	59.32	-1810.71	-1806.66	55.27	-86.89	-0.70	-29.77	-21.43	-9.04	-13.15
		934	9016.58	78.83	-1803.01	-1797.71	73.54	-99.68	0.59	-23.30	-16.84	-5.87	-10.61
744	8	916	7245.93	63.05	-1418.41	-1414.40	59.03	-77.04	5.28	-14.93	-11.89	2.23	-7.23
		917	7625.77	48.78	-1424.06	-1420.95	45.67	-67.68	3.48	-21.84	-16.83	-1.53	-10.08
		935	7447.73	48.77	-1429.91	-1426.81	45.67	-67.68	-1.86	-25.32	-17.82	-9.36	-10.94
		934	7027.58	63.04	-1424.26	-1420.25	59.03	-77.04	-0.37	-18.10	-12.88	-5.59	-8.09
744	9	916	6710.93	58.32	-1309.11	-1305.25	54.46	-72.57	2.88	-16.31	-12.37	-1.06	-7.75

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		917	6900.59	43.55	-1314.94	-1312.02	40.63	-62.88	2.29	-19.45	-14.72	-2.44	-8.97
		935	6755.34	43.57	-1306.22	-1303.29	40.63	-62.88	-3.89e-03	-20.48	-14.92	-5.56	-9.10
		934	6558.61	58.35	-1300.40	-1296.51	54.46	-72.57	0.56	-17.31	-12.56	-4.18	-7.89
744	10	916	6637.68	57.79	-1299.96	-1296.30	54.13	-70.37	4.35	-14.11	-11.16	1.40	-6.76
		917	6959.70	44.81	-1305.10	-1302.26	41.97	-61.86	2.86	-19.95	-15.33	-1.76	-9.17
		935	6817.95	44.80	-1311.87	-1309.05	41.97	-61.86	-1.59	-22.86	-16.15	-8.30	-9.88
		934	6465.03	57.77	-1306.73	-1303.09	54.13	-70.37	-0.34	-16.78	-11.98	-5.13	-7.48
744	11	916	6707.20	58.86	-1306.89	-1302.63	54.59	-76.23	2.91	-16.27	-12.34	-1.01	-7.73
		917	6899.57	44.31	-1312.56	-1309.27	41.02	-66.73	2.30	-19.45	-14.73	-2.42	-8.97
		935	6764.52	44.33	-1306.65	-1303.35	41.02	-66.73	-0.03	-20.51	-14.94	-5.60	-9.11
		934	6564.89	58.87	-1300.98	-1296.70	54.59	-76.23	0.55	-17.29	-12.55	-4.19	-7.88
745	1	915	8661.22	70.67	-1712.54	-1704.03	62.16	-122.90	7.15	-16.62	-12.86	3.39	-8.67
		916	9334.97	34.93	-1725.84	-1720.16	29.24	-99.86	4.84	-28.10	-20.91	-2.35	-13.60
		934	8926.11	35.04	-1690.65	-1684.85	29.24	-99.86	-3.21	-33.38	-22.68	-13.92	-14.43
		933	8193.16	70.84	-1677.40	-1668.72	62.16	-122.90	-1.37	-21.44	-14.62	-8.18	-9.50
745	2	915	8572.89	71.62	-1711.17	-1703.31	63.77	-118.07	7.03	-15.12	-12.13	4.03	-7.58
		916	9332.22	37.64	-1723.95	-1718.69	32.38	-96.10	3.76	-28.90	-21.75	-3.39	-13.51
		934	8986.66	37.71	-1700.70	-1695.37	32.38	-96.10	-5.52	-36.18	-24.01	-17.68	-15.00
		933	8103.19	71.73	-1687.95	-1679.99	63.77	-118.07	-3.02	-21.62	-14.39	-10.25	-9.07
745	3	915	8584.92	69.58	-1701.98	-1694.38	61.98	-115.78	10.10	-12.94	-10.83	7.98	-6.65
		916	9431.85	37.25	-1714.18	-1709.03	32.10	-94.86	5.84	-28.60	-21.95	-0.80	-13.59
		934	9081.60	37.27	-1705.55	-1700.37	32.10	-94.86	-5.65	-37.23	-24.77	-18.10	-15.44
		933	8060.16	69.62	-1693.37	-1685.73	61.98	-115.78	-2.72	-20.25	-13.65	-9.32	-8.50
745	4	915	8618.99	72.44	-1705.30	-1696.45	63.60	-125.07	10.29	-12.82	-10.79	8.26	-6.55
		916	9473.03	41.28	-1716.77	-1710.47	34.98	-105.04	5.91	-28.57	-22.00	-0.67	-13.54
		934	9156.37	41.28	-1716.50	-1710.20	34.98	-105.04	-5.62	-37.29	-24.84	-18.07	-15.47
		933	8125.68	72.44	-1705.02	-1696.18	63.60	-125.07	-2.62	-20.16	-13.63	-9.14	-8.48
745	5	915	9517.36	101.92	-2019.17	-2012.33	95.08	-120.25	-0.71	-14.67	-13.09	-2.29	-4.42
		916	1.081e+04	70.16	-2031.58	-2026.86	65.44	-99.50	-8.34	-40.09	-30.21	-18.23	-14.70
		934	1.062e+04	70.28	-1978.82	-1973.97	65.44	-99.50	-17.36	-58.19	-33.92	-41.63	-20.05
		933	8943.36	102.10	-1966.46	-1959.45	95.08	-120.25	-10.52	-31.98	-16.80	-25.70	-9.76
745	6	915	8653.82	71.29	-1708.90	-1699.46	61.85	-129.29	7.20	-16.54	-12.81	3.48	-8.63
		916	9313.02	35.69	-1721.92	-1715.45	29.22	-106.44	4.86	-28.08	-20.91	-2.31	-13.59
		934	8939.05	35.80	-1690.40	-1683.81	29.22	-106.44	-3.24	-33.42	-22.70	-13.96	-14.44
		933	8199.73	71.46	-1677.43	-1667.82	61.85	-129.29	-1.37	-21.40	-14.60	-8.17	-9.48
745	7	915	8433.58	66.87	-1667.26	-1659.30	58.91	-117.22	8.87	-14.17	-11.45	6.16	-7.43
		916	9172.37	33.45	-1679.76	-1674.40	28.09	-95.64	5.66	-27.53	-20.88	-0.99	-13.29
		934	8817.34	33.50	-1662.27	-1656.86	28.09	-95.64	-4.11	-34.34	-23.17	-15.28	-14.59
		933	7957.18	66.95	-1649.80	-1641.76	58.91	-117.22	-1.76	-20.11	-13.74	-8.13	-8.74
745	8	915	6623.31	53.66	-1312.39	-1306.51	47.78	-89.45	7.98	-9.86	-8.26	6.38	-5.10
		916	7284.31	28.70	-1321.81	-1317.82	24.71	-73.30	4.65	-22.07	-16.96	-0.47	-10.51
		934	7005.99	28.72	-1314.49	-1310.47	24.71	-73.30	-4.37	-28.81	-19.15	-14.02	-11.95
		933	6206.80	53.69	-1305.08	-1299.17	47.78	-89.45	-2.08	-15.55	-10.46	-7.17	-6.53
745	9	915	6109.63	49.70	-1209.23	-1203.34	43.82	-85.88	5.21	-11.41	-8.93	2.73	-5.92
		916	6587.05	24.87	-1218.50	-1214.56	20.93	-69.87	3.41	-19.89	-14.87	-1.60	-9.58
		934	6325.66	24.94	-1197.74	-1193.73	20.93	-69.87	-2.53	-23.93	-16.22	-10.25	-10.27
		933	5785.47	49.80	-1188.51	-1182.52	43.82	-85.88	-1.13	-15.06	-10.28	-5.91	-6.62
745	10	915	6067.60	49.10	-1203.37	-1197.98	43.72	-81.93	6.86	-9.38	-7.81	5.28	-4.80
		916	6651.98	26.16	-1212.02	-1208.37	22.52	-67.09	3.97	-20.17	-15.45	-0.74	-9.57
		934	6412.20	26.18	-1206.02	-1202.36	22.52	-67.09	-3.88	-26.07	-17.39	-12.57	-10.83
		933	5711.77	49.13	-1197.38	-1191.97	43.72	-81.93	-1.88	-14.41	-9.74	-6.54	-6.06
745	11	915	6105.39	50.04	-1207.20	-1200.80	43.65	-89.43	5.24	-11.37	-8.91	2.79	-5.90
		916	6585.91	25.29	-1216.31	-1211.94	20.92	-73.52	3.43	-19.88	-14.87	-1.58	-9.57
		934	6332.85	25.35	-1197.60	-1193.16	20.92	-73.52	-2.55	-23.95	-16.23	-10.27	-10.28
		933	5789.02	50.14	-1188.51	-1182.02	43.65	-89.43	-1.13	-15.04	-10.27	-5.90	-6.60
746	1	914	6941.96	27.10	-1412.50	-1403.44	18.05	-113.81	10.49	-7.96	-6.44	8.97	-5.07
		915	8012.72	-0.70	-1422.36	-1415.83	-7.23	-96.11	6.12	-26.51	-19.43	-0.96	-13.45
		933	7626.77	-0.52	-1383.57	-1376.86	-7.23	-96.11	-6.43	-36.76	-22.91	-20.28	-15.11
		932	6298.51	27.36	-1373.78	-1364.47	18.05	-113.81	-3.40	-16.87	-9.92	-10.35	-6.73
746	2	914	6903.71	27.66	-1415.99	-1407.85	19.52	-108.10	10.87	-6.66	-5.76	9.97	-3.87
		915	8044.00	1.33	-1425.50	-1419.64	-4.53	-91.26	5.18	-27.03	-20.22	-1.63	-13.15
		933	7720.16	1.46	-1394.89	-1388.90	-4.53	-91.26	-8.16	-39.23	-24.10	-23.29	-15.53
		932	6242.28	27.83	-1385.43	-1377.11	19.52	-108.10	-4.33	-17.00	-9.64	-11.69	-6.25
746	3	914	6950.33	26.02	-1409.30	-1401.74	18.46	-103.92	13.91	-5.18	-4.71	13.44	-2.95
		915	8128.48	1.40	-1418.28	-1412.79	-4.10	-88.13	7.05	-26.59	-20.36	0.82	-13.06
		933	7798.72	1.46	-1402.41	-1396.85	-4.10	-88.13	-8.40	-39.72	-24.73	-23.39	-15.65
		932	6213.58	26.11	-1393.45	-1385.80	18.46	-103.92	-4.32	-15.53	-9.08	-10.77	-5.54
746	4	914	6989.93	27.39	-1413.85	-1405.19	18.74	-111.36	14.20	-5.13	-4.70	13.77	-2.86
		915	8169.67	4.94	-1421.84	-1415.20	-1.70	-97.06	7.15	-26.50	-20.38	1.03	-12.98
		933	7873.42	4.97	-1414.49	-1407.82	-1.70	-97.06	-8.26	-39.64	-24.76	-23.14	-15.67
		932	6286.71	27.44	-1406.51	-1397.80	18.74	-111.36	-4.16	-15.32	-9.08	-10.40	-5.54
746	5	914	7526.56	37.42	-1638.15	-1631.22	30.50	-107.47	6.21	-5.97	-5.93	6.17	-0.71

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		915	9044.15	6.10	-1650.04	-1645.43	1.50	-87.17	-4.82	-34.93	-26.69	-13.06	-13.42
		933	8960.51	6.32	-1574.67	-1569.85	1.50	-87.17	-16.07	-56.55	-31.43	-41.19	-19.64
		932	6758.04	37.75	-1562.88	-1555.64	30.50	-107.47	-7.38	-25.25	-10.68	-21.96	-6.93
746	6	914	6933.96	28.01	-1408.82	-1398.69	17.89	-120.21	10.57	-7.89	-6.40	9.08	-5.02
		915	8011.32	-0.16	-1418.61	-1411.18	-7.59	-102.38	6.15	-26.47	-19.43	-0.90	-13.42
		933	7637.59	0.03	-1382.37	-1374.74	-7.59	-102.38	-6.44	-36.76	-22.91	-20.28	-15.11
		932	6300.98	28.28	-1372.65	-1362.26	17.89	-120.21	-3.39	-16.80	-9.89	-10.30	-6.70
746	7	914	6794.14	25.13	-1377.04	-1368.79	16.88	-107.24	12.32	-6.20	-5.36	11.47	-3.86
		915	7894.17	-1.18	-1386.47	-1380.54	-7.11	-90.44	6.84	-25.75	-19.37	0.46	-12.93
		933	7547.56	-1.08	-1363.77	-1357.74	-7.11	-90.44	-7.09	-37.13	-23.25	-20.96	-14.98
		932	6125.55	25.27	-1354.37	-1345.98	16.88	-107.24	-3.67	-15.51	-9.24	-9.94	-5.91
746	8	914	5361.11	20.13	-1086.26	-1080.42	14.29	-80.18	10.89	-3.91	-3.56	10.54	-2.25
		915	6275.03	1.18	-1093.17	-1088.92	-3.07	-68.03	5.55	-20.52	-15.72	0.75	-10.10
		933	6016.48	1.23	-1080.83	-1076.54	-3.07	-68.03	-6.50	-30.72	-19.12	-18.10	-12.10
		932	4784.17	20.19	-1073.94	-1068.03	14.29	-80.18	-3.33	-11.94	-6.96	-8.31	-4.25
746	9	914	4905.64	18.90	-998.44	-992.23	12.69	-79.28	7.66	-5.35	-4.41	6.73	-3.35
		915	5670.39	-0.46	-1005.34	-1000.86	-4.94	-66.94	4.34	-18.71	-13.82	-0.55	-9.43
		933	5409.06	-0.35	-981.01	-976.42	-4.94	-66.94	-4.75	-26.23	-16.36	-14.61	-10.71
		932	4450.17	19.06	-974.15	-967.79	12.69	-79.28	-2.51	-11.78	-6.95	-7.33	-4.63
746	10	914	4911.13	18.31	-996.67	-991.28	12.91	-73.79	9.57	-3.82	-3.45	9.21	-2.18
		915	5734.86	0.71	-1003.08	-999.17	-3.20	-62.51	4.86	-18.76	-14.34	0.44	-9.21
		933	5504.66	0.76	-991.48	-987.53	-3.20	-62.51	-5.84	-27.87	-17.38	-16.34	-11.01
		932	4403.32	18.37	-985.09	-979.63	12.91	-73.79	-3.02	-11.03	-6.49	-7.56	-3.97
746	11	914	4901.01	19.40	-996.39	-989.59	12.60	-82.84	7.70	-5.31	-4.39	6.79	-3.33
		915	5669.49	-0.17	-1003.25	-998.28	-5.14	-70.42	4.36	-18.69	-13.82	-0.52	-9.41
		933	5415.02	-0.05	-980.33	-975.25	-5.14	-70.42	-4.75	-26.23	-16.37	-14.61	-10.70
		932	4451.38	19.56	-973.52	-966.56	12.60	-82.84	-2.50	-11.74	-6.94	-7.31	-4.62
747	1	913	4477.27	-4.02	-932.20	-927.70	-8.52	-64.44	14.44	0.99	1.01	14.42	-0.51
		914	5740.13	-36.64	-944.57	-942.50	-38.71	-43.31	6.78	-22.39	-16.09	0.48	-12.00
		932	5729.19	-36.63	-941.18	-939.10	-38.71	-43.31	-8.46	-37.98	-21.30	-25.14	-14.64
		931	3920.92	-4.01	-928.82	-924.31	-8.52	-64.44	-3.00	-12.42	-4.20	-11.21	-3.15
747	2	913	4533.30	-3.51	-941.14	-937.34	-7.31	-59.54	15.85	1.61	1.64	15.81	0.72
		914	5789.96	-36.05	-953.81	-952.21	-37.65	-38.30	6.12	-22.62	-16.80	0.30	-11.55
		932	5837.09	-36.05	-951.92	-950.32	-37.65	-38.30	-9.62	-39.89	-22.29	-27.22	-14.93
		931	4032.65	-3.50	-939.25	-935.45	-7.31	-59.54	-3.03	-12.53	-3.85	-11.71	-2.67
747	3	913	4643.57	-4.19	-938.61	-935.50	-7.29	-53.77	18.50	2.12	2.26	18.37	1.50
		914	5847.88	-35.19	-950.99	-949.77	-36.41	-33.40	7.56	-22.03	-16.84	2.37	-11.26
		932	5864.04	-35.20	-962.08	-960.87	-36.41	-33.40	-9.91	-39.52	-22.67	-26.77	-14.66
		931	4041.26	-4.23	-949.68	-946.61	-7.29	-53.77	-3.10	-11.25	-3.57	-10.77	-1.91
747	4	913	4684.10	-6.80	-944.21	-940.54	-10.47	-58.51	18.83	2.03	2.18	18.69	1.56
		914	5879.92	-34.02	-954.78	-952.97	-35.83	-40.76	7.72	-21.84	-16.78	2.66	-11.13
		932	5924.54	-34.06	-975.79	-974.02	-35.83	-40.76	-9.63	-39.11	-22.59	-26.15	-14.63
		931	4044.06	-6.88	-965.18	-961.59	-10.47	-58.51	-3.10	-10.66	-3.64	-10.12	-1.94
747	5	913	4966.90	-4.49	-1081.20	-1077.69	-8.00	-61.37	17.05	1.69	2.81	15.92	4.01
		914	6433.64	-48.38	-1098.97	-1097.97	-49.38	-32.41	-0.68	-27.75	-21.54	-6.90	-11.38
		932	6817.36	-48.33	-1047.30	-1046.25	-49.38	-32.41	-14.29	-53.44	-27.68	-40.04	-18.58
		931	4806.00	-4.31	-1029.66	-1025.98	-8.00	-61.37	-2.63	-17.92	-3.33	-17.23	-3.19
747	6	913	4466.57	-2.29	-927.92	-922.49	-7.71	-70.65	14.50	1.01	1.03	14.49	-0.48
		914	5737.98	-35.65	-940.18	-937.50	-38.33	-49.22	6.82	-22.33	-16.07	0.55	-11.97
		932	5734.84	-35.64	-938.44	-935.75	-38.33	-49.22	-8.45	-37.91	-21.28	-25.09	-14.61
		931	3906.88	-2.28	-926.18	-920.74	-7.71	-70.65	-3.00	-12.34	-4.18	-11.16	-3.11
747	7	913	4463.62	-2.84	-911.54	-907.75	-6.64	-58.62	16.35	1.59	1.61	16.33	0.51
		914	5660.83	-35.03	-924.04	-922.44	-36.63	-37.63	7.32	-21.49	-15.99	1.82	-11.32
		932	5657.56	-35.04	-931.71	-930.13	-36.63	-37.63	-8.89	-37.48	-21.42	-24.95	-14.19
		931	3876.83	-2.87	-919.20	-915.44	-6.64	-58.62	-3.06	-11.19	-3.81	-10.44	-2.36
747	8	913	3580.81	-3.38	-723.12	-720.74	-5.76	-41.28	14.35	1.67	1.77	14.25	1.17
		914	4511.48	-27.01	-732.56	-731.62	-27.96	-25.74	5.90	-17.00	-12.99	1.89	-8.70
		932	4523.33	-27.03	-741.50	-740.57	-27.96	-25.74	-7.66	-30.52	-17.50	-20.69	-11.32
		931	3117.85	-3.41	-732.04	-729.69	-5.76	-41.28	-2.38	-8.68	-2.74	-8.33	-1.45
747	9	913	3183.13	-2.64	-660.24	-657.21	-5.67	-44.53	10.59	0.82	0.82	10.59	-0.13
		914	4067.32	-25.86	-669.11	-667.76	-27.22	-29.46	4.83	-15.75	-11.45	0.53	-8.37
		932	4063.53	-25.86	-668.27	-666.92	-27.22	-29.46	-6.12	-26.96	-15.19	-17.89	-10.33
		931	2783.03	-2.64	-659.40	-656.37	-5.67	-44.53	-2.15	-8.60	-2.91	-7.83	-2.09
747	10	913	3277.01	-2.73	-663.80	-661.54	-4.99	-38.61	12.87	1.43	1.52	12.78	0.99
		914	4127.75	-25.05	-672.69	-671.80	-25.94	-23.95	5.27	-15.56	-11.86	1.57	-7.96
		932	4138.61	-25.06	-679.89	-679.02	-25.94	-23.95	-6.93	-27.81	-15.95	-18.80	-10.34
		931	2850.10	-2.76	-670.99	-668.75	-4.99	-38.61	-2.20	-7.95	-2.57	-7.59	-1.40
747	11	913	3176.90	-1.70	-657.84	-654.31	-5.23	-47.98	10.63	0.84	0.84	10.63	-0.11
		914	4065.94	-25.33	-666.66	-664.98	-27.01	-32.74	4.85	-15.72	-11.43	0.56	-8.35
		932	4066.55	-25.33	-666.73	-665.06	-27.01	-32.74	-6.12	-26.92	-15.18	-17.87	-10.31
		931	2775.35	-1.70	-657.91	-654.38	-5.23	-47.98	-2.15	-8.56	-2.90	-7.80	-2.07
748	1	7	1603.58	-31.51	-324.30	-323.20	-32.61	17.88	11.83	4.39	4.88	11.34	1.84

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		913	2394.99	-57.50	-343.53	-338.07	-62.96	39.13	4.82	-14.55	-9.08	-0.65	-8.73
		931	2969.42	-57.88	-364.14	-359.06	-62.96	39.13	-6.36	-28.23	-14.57	-20.02	-10.59
		11	1734.84	-31.58	-345.21	-344.19	-32.61	17.88	-0.61	-8.03	-0.61	-8.03	-0.02
748	2	7	1761.98	-41.75	-339.85	-338.04	-43.55	23.12	13.78	4.38	5.36	12.80	2.88
		913	2436.38	-62.85	-356.07	-350.32	-68.60	40.65	4.43	-14.38	-9.59	-0.36	-8.19
		931	3036.62	-63.06	-366.99	-361.45	-68.60	40.65	-6.98	-29.04	-15.18	-20.84	-10.66
		11	1728.75	-41.81	-350.92	-349.18	-43.55	23.12	-0.21	-7.70	-0.23	-7.68	0.41
748	3	7	1913.32	-40.28	-346.88	-344.20	-42.96	28.54	14.97	4.15	5.28	13.84	3.31
		913	2448.51	-60.71	-363.55	-356.40	-67.85	45.96	5.09	-13.53	-9.46	1.02	-7.69
		931	2948.71	-61.06	-379.07	-372.28	-67.85	45.96	-7.13	-27.44	-15.09	-19.47	-9.92
		11	1689.56	-40.41	-362.63	-360.08	-42.96	28.54	-0.17	-6.84	-0.35	-6.66	1.09
748	4	7	1868.82	-63.46	-356.09	-353.05	-66.50	29.68	14.68	3.91	4.91	13.67	3.14
		913	2439.23	-72.92	-363.59	-358.63	-77.88	37.65	5.26	-13.09	-9.18	1.34	-7.52
		931	2941.71	-73.34	-390.01	-385.47	-77.88	37.65	-6.61	-26.14	-14.70	-18.05	-9.62
		11	1621.63	-63.71	-382.68	-379.89	-66.50	29.68	-0.41	-5.92	-0.61	-5.72	1.04
748	5	7	2362.35	-79.95	-404.34	-402.17	-82.11	26.40	20.25	4.86	8.04	17.08	6.23
		913	2797.11	-95.70	-416.14	-411.23	-100.60	39.34	1.40	-17.23	-12.76	-3.06	-7.96
		931	3848.00	-94.93	-373.36	-367.69	-100.60	39.34	-9.30	-39.05	-19.02	-29.33	-13.95
		11	1947.49	-79.62	-361.13	-358.63	-82.11	26.40	1.78	-9.20	1.77	-9.19	0.23
748	6	7	1616.77	-19.04	-314.97	-314.66	-19.35	9.53	11.97	4.41	4.92	11.46	1.91
		913	2394.56	-52.41	-337.70	-333.11	-57.00	35.88	4.84	-14.49	-9.06	-0.58	-8.68
		931	2966.69	-52.76	-360.70	-356.46	-57.00	35.88	-6.36	-28.19	-14.56	-19.98	-10.58
		11	1744.13	-19.06	-338.30	-338.02	-19.35	9.53	-0.58	-7.94	-0.58	-7.94	0.01
748	7	7	1757.37	-20.44	-321.81	-320.59	-21.66	19.17	13.20	4.12	4.90	12.42	2.54
		913	2356.08	-50.27	-344.58	-337.89	-56.96	43.89	4.97	-13.48	-8.97	0.46	-7.93
		931	2855.78	-50.75	-366.65	-360.43	-56.96	43.89	-6.54	-26.73	-14.41	-18.87	-9.85
		11	1684.30	-20.52	-344.27	-343.13	-21.66	19.17	-0.48	-6.97	-0.54	-6.90	0.62
748	8	7	1471.63	-31.70	-267.36	-265.22	-33.84	22.35	11.52	3.20	4.06	10.65	2.54
		913	1886.17	-47.08	-279.96	-274.42	-52.62	35.50	3.94	-10.43	-7.29	0.80	-5.94
		931	2271.93	-47.36	-292.11	-286.85	-52.62	35.50	-5.50	-21.14	-11.63	-15.01	-7.63
		11	1301.19	-31.81	-279.68	-277.65	-33.84	22.35	-0.14	-5.30	-0.28	-5.15	0.84
748	9	7	1175.45	-21.75	-231.69	-230.84	-22.60	13.33	8.76	3.08	3.50	8.34	1.49
		913	1698.67	-40.30	-245.55	-241.50	-44.35	28.55	3.43	-10.14	-6.46	-0.25	-6.03
		931	2095.52	-40.56	-259.61	-255.82	-44.35	28.55	-4.58	-19.85	-10.36	-14.07	-7.41
		11	1222.35	-21.81	-245.96	-245.16	-22.60	13.33	-0.39	-5.48	-0.39	-5.48	0.12
748	10	7	1348.45	-26.64	-244.23	-242.51	-28.35	19.25	10.51	2.94	3.72	9.73	2.31
		913	1730.21	-42.07	-256.67	-251.68	-47.07	32.35	3.58	-9.58	-6.67	0.68	-5.46
		931	2084.64	-42.33	-267.91	-263.17	-47.07	32.35	-5.00	-19.41	-10.65	-13.76	-7.03
		11	1197.90	-26.72	-255.63	-254.00	-28.35	19.25	-0.13	-4.83	-0.25	-4.71	0.73
748	11	7	1182.22	-14.88	-226.45	-226.10	-15.24	8.69	8.84	3.09	3.52	8.40	1.53
		913	1698.37	-37.48	-242.29	-238.74	-41.04	26.75	3.44	-10.10	-6.45	-0.21	-6.01
		931	2093.94	-37.73	-257.68	-254.38	-41.04	26.75	-4.57	-19.83	-10.36	-14.05	-7.40
		11	1227.57	-14.90	-242.07	-241.74	-15.24	8.69	-0.38	-5.43	-0.38	-5.43	0.14
749	1	903	2421.77	-20.06	-332.78	-325.67	-27.17	46.62	4.43	-9.66	-9.65	4.43	-0.16
		4	2692.17	-73.82	-405.71	-367.33	-112.20	106.13	11.74	-5.91	-2.66	8.48	6.84
		8	2953.39	-82.16	-487.17	-457.13	-112.20	106.13	19.10	0.53	1.84	17.79	4.76
		921	2954.35	-21.66	-420.98	-415.46	-27.17	46.62	13.99	-5.42	-5.16	13.73	-2.24
749	2	903	2309.74	-23.49	-320.32	-315.16	-28.65	38.78	4.29	-9.17	-9.16	4.27	-0.47
		4	2519.80	-80.49	-394.74	-358.38	-116.85	100.52	10.35	-5.69	-2.86	7.52	6.11
		8	2704.30	-88.73	-476.10	-447.97	-116.85	100.52	16.82	0.60	1.47	15.94	3.66
		921	2810.38	-24.69	-408.71	-404.75	-28.65	38.78	13.16	-5.29	-4.82	12.69	-2.91
749	3	903	2333.37	-21.86	-320.00	-314.51	-27.36	40.10	4.94	-8.94	-8.94	4.94	-0.19
		4	2548.12	-77.62	-393.22	-356.92	-113.92	100.69	10.54	-5.83	-2.99	7.70	6.20
		8	2695.64	-85.65	-472.59	-444.32	-113.92	100.69	16.67	0.52	1.31	15.89	3.47
		921	2819.23	-23.11	-406.15	-401.91	-27.36	40.10	13.60	-5.11	-4.64	13.13	-2.91
749	4	903	2429.41	1.85	-347.99	-327.60	-18.54	81.96	4.19	-9.29	-9.27	4.17	-0.49
		4	2725.85	-30.92	-403.24	-356.55	-77.61	123.31	10.49	-5.93	-2.97	7.53	6.31
		8	2726.98	-33.51	-422.42	-378.33	-77.61	123.31	17.61	0.82	1.73	16.70	3.80
		921	2655.06	0.65	-368.57	-349.38	-18.54	81.96	13.84	-5.06	-4.57	13.35	-3.01
749	5	903	2184.18	-33.40	-329.63	-321.67	-41.36	47.90	-0.33	-12.23	-10.67	-1.89	-4.02
		4	2144.55	-87.26	-410.03	-365.82	-131.47	110.97	4.26	-5.01	-3.09	2.34	3.75
		8	2157.74	-92.71	-449.22	-410.46	-131.47	110.97	13.40	1.96	2.09	13.27	1.21
		921	2536.75	-34.45	-373.22	-366.31	-41.36	47.90	11.56	-8.01	-5.48	9.04	-6.56
749	6	903	2331.07	-14.37	-330.88	-317.08	-28.18	64.64	2.36	-10.07	-10.06	2.36	-0.19
		4	2678.46	-55.91	-397.68	-352.70	-100.89	115.54	10.41	-6.62	-2.68	6.48	7.18
		8	2843.91	-63.32	-456.22	-418.65	-100.89	115.54	18.51	0.69	2.12	17.08	4.84
		921	2781.32	-16.77	-394.43	-383.02	-28.18	64.64	13.31	-5.60	-5.26	12.96	-2.53
749	7	903	2374.97	-17.47	-323.72	-316.37	-24.81	46.86	5.23	-8.94	-8.94	5.23	0.08
		4	2628.45	-68.82	-393.96	-356.36	-106.42	103.98	11.27	-5.88	-2.88	8.27	6.51
		8	2781.71	-76.41	-466.70	-436.69	-106.42	103.98	17.54	0.43	1.42	16.54	4.01
		921	2828.32	-19.00	-402.51	-396.70	-24.81	46.86	13.82	-4.95	-4.64	13.50	-2.42
749	8	903	1844.01	-15.86	-249.53	-245.07	-20.32	31.97	4.52	-6.73	-6.72	4.52	0.13

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		4	2019.36	-58.82	-306.10	-277.80	-87.11	78.72	8.53	-4.63	-2.42	6.32	4.92
		8	2100.23	-64.92	-366.28	-344.08	-87.11	78.72	12.88	0.28	0.87	12.29	2.65
		921	2193.91	-16.85	-314.82	-311.35	-20.32	31.97	10.81	-3.75	-3.43	10.49	-2.14
749	9	903	1660.66	-15.28	-231.05	-226.40	-19.94	31.34	2.50	-6.92	-6.91	2.48	-0.39
		4	1832.37	-53.41	-282.47	-255.85	-80.04	73.41	7.75	-4.04	-1.80	5.51	4.62
		8	2035.49	-59.35	-340.53	-319.84	-80.04	73.41	13.19	0.49	1.37	12.31	3.24
		921	2050.39	-16.35	-293.97	-290.39	-19.94	31.34	9.51	-3.97	-3.73	9.27	-1.77
749	10	903	1611.28	-16.27	-223.97	-220.20	-20.04	27.72	2.78	-6.53	-6.51	2.76	-0.41
		4	1752.79	-55.52	-275.53	-250.06	-80.99	70.39	7.08	-3.99	-1.99	5.08	4.26
		8	1892.10	-61.29	-332.43	-312.72	-80.99	70.39	11.85	0.49	1.08	11.25	2.53
		921	1976.74	-17.15	-285.75	-282.86	-20.04	27.72	9.30	-3.81	-3.44	8.94	-2.14
749	11	903	1609.85	-12.32	-229.80	-221.62	-20.49	41.35	1.35	-7.15	-7.14	1.33	-0.41
		4	1825.15	-43.48	-278.00	-247.72	-73.75	78.64	7.02	-4.44	-1.82	4.40	4.81
		8	1973.69	-48.97	-323.25	-298.46	-73.75	78.64	12.87	0.58	1.53	11.91	3.29
		921	1953.30	-13.88	-278.98	-272.37	-20.49	41.35	9.13	-4.07	-3.79	8.85	-1.93
750	1	902	5357.88	69.91	-858.81	-858.28	69.39	-22.11	-0.45	-20.80	-18.50	-2.75	-6.43
		903	4510.52	72.44	-857.69	-857.08	71.82	-23.82	8.07	-6.29	-5.22	7.01	3.77
		921	6034.81	72.36	-985.24	-984.70	71.82	-23.82	29.06	-0.14	0.39	28.53	3.92
		920	6586.99	69.85	-986.36	-985.90	69.39	-22.11	19.98	-14.10	-12.89	18.78	-6.28
750	2	902	5252.77	68.08	-841.12	-840.19	67.15	-29.02	0.62	-19.76	-17.51	-1.63	-6.39
		903	4432.51	70.78	-839.97	-838.93	69.73	-30.83	7.44	-6.21	-5.53	6.75	2.99
		921	5836.86	70.64	-972.35	-971.44	69.73	-30.83	26.40	-0.56	-0.31	26.14	2.61
		920	6431.50	67.96	-973.51	-972.70	67.15	-29.02	19.21	-13.74	-12.29	17.76	-6.76
750	3	902	5237.53	68.26	-834.36	-833.56	67.45	-26.95	0.89	-19.69	-17.50	-1.30	-6.34
		903	4411.87	70.65	-833.34	-832.43	69.75	-28.56	7.83	-6.10	-5.34	7.07	3.18
		921	5848.91	70.54	-960.74	-959.95	69.75	-28.56	27.42	-0.25	6.74e-03	27.16	2.67
		920	6447.30	68.16	-961.78	-961.08	67.45	-26.95	20.24	-13.61	-12.16	18.79	-6.85
750	4	902	5092.29	55.23	-813.33	-813.27	55.17	-7.45	0.76	-19.72	-17.46	-1.51	-6.42
		903	4284.85	49.24	-816.19	-816.18	49.23	-3.29	7.71	-5.96	-5.15	6.90	3.23
		921	5673.07	49.24	-928.16	-928.15	49.23	-3.29	27.69	0.04	0.30	27.43	2.64
		920	6259.32	55.22	-925.29	-925.24	55.17	-7.45	20.54	-13.52	-12.02	19.03	-7.01
750	5	902	5507.52	56.22	-881.07	-877.86	53.01	-54.75	0.17	-23.02	-18.28	-4.57	-9.35
		903	4424.34	43.01	-886.18	-883.88	40.71	-46.15	2.78	-6.74	-6.74	2.78	-5.72e-03
		921	5676.54	42.72	-1020.80	-1018.79	40.71	-46.15	21.40	-1.50	-1.43	21.33	-1.26
		920	6579.75	55.81	-1015.57	-1012.77	53.01	-54.75	17.66	-16.64	-12.97	13.99	-10.60
750	6	902	5208.49	61.18	-837.04	-836.74	60.87	-16.53	-1.58	-21.13	-18.69	-4.02	-6.46
		903	4321.36	57.76	-838.60	-838.37	57.54	-14.20	7.01	-6.38	-5.09	5.72	3.95
		921	5869.83	57.73	-966.15	-965.95	57.54	-14.20	28.63	0.10	0.64	28.09	3.91
		920	6457.44	61.14	-964.59	-964.32	60.87	-16.53	19.64	-14.26	-12.96	18.34	-6.50
750	7	902	5187.21	67.32	-827.61	-827.12	66.83	-20.91	0.68	-19.51	-17.48	-1.35	-6.07
		903	4395.60	69.26	-826.75	-826.20	68.70	-22.22	8.26	-6.11	-5.18	7.33	3.53
		921	5828.92	69.19	-948.56	-948.08	68.70	-22.22	27.98	-0.18	0.20	27.60	3.23
		920	6380.28	67.26	-949.43	-949.00	66.83	-20.91	20.18	-13.36	-12.11	18.93	-6.36
750	8	902	4065.33	53.11	-646.15	-645.57	52.54	-20.03	1.16	-14.93	-13.40	-0.37	-4.71
		903	3450.32	54.83	-645.41	-644.77	54.19	-21.19	6.54	-4.79	-4.16	5.92	2.58
		921	4547.38	54.75	-741.84	-741.28	54.19	-21.19	21.52	-0.22	-0.02	21.32	2.08
		920	5000.14	53.04	-742.59	-742.09	52.54	-20.03	16.11	-10.33	-9.26	15.04	-5.21
750	9	902	3747.11	48.70	-601.24	-600.80	48.26	-16.81	-0.62	-14.84	-13.05	-2.40	-4.71
		903	3127.55	50.57	-600.42	-599.92	50.07	-18.07	5.18	-4.34	-3.65	4.49	2.46
		921	4204.83	50.51	-692.31	-691.87	50.07	-18.07	19.97	-0.09	0.25	19.63	2.59
		920	4609.82	48.64	-693.14	-692.76	48.26	-16.81	13.65	-10.06	-9.14	12.73	-4.58
750	10	902	3679.72	47.79	-587.67	-587.07	47.19	-19.50	0.12	-14.22	-12.49	-1.60	-4.66
		903	3073.27	49.59	-586.90	-586.22	48.91	-20.71	5.04	-4.24	-3.72	4.52	2.13
		921	4102.20	49.50	-678.71	-678.12	48.91	-20.71	19.05	-0.15	0.04	18.86	1.90
		920	4532.57	47.71	-679.49	-678.97	47.19	-19.50	13.80	-9.80	-8.73	12.74	-4.89
750	11	902	3664.77	43.83	-589.13	-588.84	43.53	-13.71	-1.24	-15.03	-13.15	-3.11	-4.73
		903	3021.99	42.39	-589.78	-589.52	42.13	-12.73	4.58	-4.39	-3.58	3.78	2.56
		921	4112.81	42.36	-681.68	-681.46	42.13	-12.73	19.73	0.05	0.39	19.38	2.59
		920	4538.07	43.79	-681.03	-680.77	43.53	-13.71	13.47	-10.15	-9.18	12.49	-4.70
751	1	901	7557.27	73.43	-1277.34	-1276.32	72.42	-37.02	2.91	-25.60	-22.01	-0.69	-9.46
		902	6750.87	135.66	-1251.92	-1247.50	131.24	-78.19	8.33	-10.15	-10.14	8.33	-0.32
		920	8212.96	135.26	-1390.69	-1386.67	131.24	-78.19	29.11	-4.88	-4.88	29.11	0.07
		919	8775.70	73.34	-1416.41	-1415.49	72.42	-37.02	22.21	-18.86	-16.74	20.10	-9.07
751	2	901	7443.95	72.25	-1255.72	-1254.34	70.87	-42.81	4.58	-24.02	-20.73	1.29	-9.13
		902	6725.94	135.13	-1230.61	-1225.40	129.93	-84.15	8.72	-10.50	-10.45	8.66	-1.03
		920	8076.66	134.62	-1378.79	-1374.09	129.93	-84.15	26.68	-5.77	-5.72	26.64	-1.23
		919	8619.50	72.11	-1404.27	-1403.03	70.87	-42.81	21.58	-18.31	-16.00	19.26	-9.33
751	3	901	7415.71	71.59	-1242.89	-1241.60	70.30	-41.16	4.81	-24.20	-20.84	1.45	-9.27
		902	6655.19	133.67	-1217.99	-1213.00	128.67	-82.02	9.21	-10.00	-9.97	9.18	-0.80
		920	8089.43	133.18	-1364.36	-1359.85	128.67	-82.02	28.51	-5.08	-5.05	28.48	-1.01
		919	8654.77	71.46	-1389.62	-1388.46	70.30	-41.16	23.06	-18.23	-15.93	20.76	-9.48
751	4	901	7293.48	61.98	-1215.87	-1214.35	60.46	-43.99	5.23	-23.88	-20.59	1.95	-9.21

		902	6513.52	107.37	-1197.62	-1193.42	103.17	-73.89	9.42	-9.93	-9.89	9.38	-0.88
		920	7975.03	106.91	-1356.14	-1352.40	103.17	-73.89	28.40	-5.13	-5.08	28.35	-1.23
		919	8575.68	61.81	-1374.67	-1373.33	60.46	-43.99	23.26	-18.13	-15.79	20.92	-9.56
751	5	901	8047.35	74.14	-1353.68	-1347.07	67.54	-96.88	7.13	-25.07	-20.60	2.66	-11.13
		902	7342.30	126.04	-1335.69	-1324.09	114.44	-129.71	7.71	-13.95	-12.93	6.70	-4.58
		920	8570.13	124.70	-1524.60	-1514.34	114.44	-129.71	20.97	-10.39	-9.01	19.58	-6.44
		919	9211.16	73.36	-1543.15	-1537.32	67.54	-96.88	20.13	-21.26	-16.67	15.55	-12.99
751	6	901	7442.15	68.64	-1255.65	-1254.36	67.35	-41.25	2.41	-25.66	-22.01	-1.24	-9.44
		902	6597.23	123.00	-1233.65	-1229.25	118.60	-77.12	7.65	-10.08	-10.07	7.64	-0.27
		920	8107.81	122.56	-1383.04	-1379.08	118.60	-77.12	28.66	-4.82	-4.82	28.66	-0.03
		919	8711.04	68.51	-1405.34	-1404.19	67.35	-41.25	21.97	-18.95	-16.76	19.78	-9.20
751	7	901	7328.54	70.37	-1230.45	-1229.44	69.35	-36.39	4.28	-24.11	-20.85	1.02	-9.05
		902	6574.24	130.16	-1206.09	-1201.76	125.83	-75.92	9.13	-9.81	-9.80	9.12	-0.44
		920	7993.60	129.75	-1344.73	-1340.81	125.83	-75.92	28.74	-4.79	-4.79	28.74	-0.43
		919	8538.62	70.27	-1369.40	-1368.48	69.35	-36.39	22.76	-17.95	-15.84	20.64	-9.03
751	8	901	5750.63	55.38	-961.09	-960.12	54.42	-31.28	4.19	-18.49	-16.02	1.72	-7.06
		902	5174.07	103.12	-941.89	-938.11	99.34	-62.73	7.63	-7.70	-7.68	7.62	-0.51
		920	6279.81	102.76	-1052.95	-1049.54	99.34	-62.73	22.57	-3.86	-3.84	22.55	-0.73
		919	6709.22	55.29	-1072.42	-1071.55	54.42	-31.28	18.39	-13.92	-12.18	16.66	-7.28
751	9	901	5292.88	51.47	-895.90	-895.13	50.70	-27.03	1.82	-18.11	-15.46	-0.83	-6.76
		902	4717.58	95.52	-878.01	-874.76	92.27	-56.13	5.46	-7.16	-7.15	5.45	-0.39
		920	5747.54	95.21	-978.87	-975.93	92.27	-56.13	19.91	-3.52	-3.52	19.91	-0.13
		919	6152.98	51.39	-997.00	-996.30	50.70	-27.03	15.20	-13.39	-11.83	13.64	-6.50
751	10	901	5213.57	50.45	-876.77	-875.84	49.52	-29.33	2.87	-17.32	-14.82	0.36	-6.66
		902	4664.49	94.42	-859.16	-855.59	90.84	-58.26	5.96	-7.08	-7.05	5.92	-0.65
		920	5679.44	94.06	-964.25	-961.03	90.84	-58.26	19.59	-3.63	-3.61	19.56	-0.72
		919	6085.70	50.35	-982.11	-981.28	49.52	-29.33	15.67	-13.05	-11.38	14.00	-6.72
751	11	901	5229.24	48.81	-883.86	-882.93	47.88	-29.38	1.54	-18.14	-15.47	-1.13	-6.74
		902	4632.43	88.48	-867.86	-864.62	85.25	-55.53	5.08	-7.12	-7.11	5.07	-0.36
		920	5689.34	88.16	-974.62	-971.71	85.25	-55.53	19.67	-3.49	-3.49	19.66	-0.18
		919	6117.29	48.71	-990.85	-990.02	47.88	-29.38	15.06	-13.45	-11.84	13.46	-6.56
752	1	900	9169.24	74.90	-1594.57	-1593.92	74.24	-33.02	8.18	-26.77	-22.76	4.17	-11.14
		901	8637.18	129.44	-1571.13	-1568.27	126.58	-69.66	11.16	-15.59	-14.85	10.42	-4.39
		919	9662.29	129.27	-1678.47	-1675.78	126.58	-69.66	26.98	-10.82	-10.30	26.47	-4.39
		918	1.008e+04	74.86	-1702.04	-1701.43	74.24	-33.02	23.22	-21.21	-18.21	20.22	-11.14
752	2	900	9063.45	73.90	-1571.47	-1570.64	73.07	-36.97	10.28	-24.85	-21.32	6.75	-10.56
		901	8638.90	129.93	-1547.71	-1544.40	126.62	-74.46	12.15	-16.03	-15.12	11.25	-4.96
		919	9573.58	129.70	-1667.87	-1664.78	126.62	-74.46	24.94	-12.06	-11.21	24.09	-5.54
		918	9932.13	73.84	-1691.79	-1691.02	73.07	-36.97	22.68	-20.50	-17.41	19.59	-11.14
752	3	900	9026.77	72.68	-1554.10	-1553.30	71.88	-36.07	10.59	-25.12	-21.48	6.95	-10.81
		901	8544.08	128.00	-1530.61	-1527.38	124.77	-73.09	12.84	-15.27	-14.45	12.03	-4.73
		919	9584.92	127.77	-1653.43	-1650.42	124.77	-73.09	27.18	-11.06	-10.34	26.45	-5.22
		918	9985.08	72.62	-1677.09	-1676.34	71.88	-36.07	24.43	-20.42	-17.37	21.38	-11.30
752	4	900	8966.42	71.08	-1534.36	-1533.14	69.86	-44.20	11.07	-24.87	-21.28	7.49	-10.77
		901	8481.12	120.79	-1513.64	-1509.98	117.13	-77.29	13.24	-15.24	-14.39	12.39	-4.83
		919	9567.36	120.51	-1651.61	-1648.24	117.13	-77.29	27.20	-11.17	-10.40	26.44	-5.36
		918	9975.77	70.99	-1672.52	-1671.40	69.86	-44.20	24.58	-20.34	-17.29	21.54	-11.30
752	5	900	1.007e+04	83.51	-1738.66	-1734.01	78.86	-91.92	16.42	-23.67	-20.21	12.96	-11.26
		901	9887.41	152.31	-1712.94	-1702.93	142.30	-136.32	14.22	-21.19	-18.83	11.87	-8.82
		919	1.074e+04	151.37	-1905.23	-1896.15	142.30	-136.32	18.92	-20.59	-16.73	15.06	-11.73
		918	1.092e+04	83.06	-1931.44	-1927.24	78.86	-91.92	21.25	-23.21	-18.11	16.15	-14.17
752	6	900	9091.83	74.23	-1577.34	-1576.41	73.29	-39.26	7.95	-26.74	-22.72	3.93	-11.11
		901	8544.95	126.51	-1555.22	-1551.94	123.22	-74.21	10.82	-15.56	-14.81	10.07	-4.38
		919	9614.11	126.29	-1673.28	-1670.22	123.22	-74.21	26.67	-10.84	-10.30	26.13	-4.46
		918	1.005e+04	74.16	-1695.56	-1694.68	73.29	-39.26	23.02	-21.25	-18.22	19.99	-11.18
752	7	900	8908.68	71.79	-1537.00	-1536.34	71.13	-32.62	9.74	-25.19	-21.54	6.10	-10.68
		901	8417.87	124.85	-1514.26	-1511.42	122.00	-68.23	12.33	-14.98	-14.26	11.60	-4.39
		919	9435.75	124.66	-1626.94	-1624.27	122.00	-68.23	27.16	-10.57	-9.98	26.57	-4.66
		918	9833.09	71.75	-1649.82	-1649.20	71.13	-32.62	23.97	-20.18	-17.27	21.06	-10.95
752	8	900	6998.42	56.13	-1200.93	-1200.32	55.52	-27.67	8.68	-19.26	-16.53	5.95	-8.30
		901	6629.61	98.57	-1182.89	-1180.43	96.11	-56.08	10.46	-11.71	-11.11	9.86	-3.58
		919	7433.02	98.40	-1275.86	-1273.57	96.11	-56.08	21.63	-8.42	-7.89	21.10	-3.98
		918	7738.44	56.08	-1294.03	-1293.46	55.52	-27.67	19.49	-15.62	-13.31	17.18	-8.71
752	9	900	6426.52	52.57	-1119.54	-1119.06	52.09	-23.78	5.57	-18.84	-15.97	2.69	-7.87
		901	6052.51	91.41	-1102.90	-1100.81	89.32	-49.84	7.54	-11.05	-10.48	6.97	-3.21
		919	6778.10	91.28	-1182.46	-1180.51	89.32	-49.84	18.42	-7.78	-7.37	18.01	-3.24
		918	7076.67	52.54	-1199.20	-1198.75	52.09	-23.78	15.90	-15.03	-12.86	13.74	-7.90
752	10	900	6346.63	51.34	-1097.05	-1096.49	50.77	-25.47	6.90	-17.92	-15.26	4.24	-7.68
		901	6000.50	90.61	-1080.38	-1078.09	88.32	-51.75	8.48	-10.87	-10.26	7.86	-3.40
		919	6735.35	90.45	-1168.55	-1166.42	88.32	-51.75	18.53	-7.92	-7.39	18.01	-3.70
		918	7022.07	51.30	-1185.34	-1184.81	50.77	-25.47	16.58	-14.59	-12.39	14.38	-7.98
752	11	900	6383.59	52.20	-1109.97	-1109.33	51.56	-27.24	5.44	-18.82	-15.95	2.56	-7.84

		901	6001.43	89.78	-1094.06	-1091.74	87.46	-52.37	7.35	-11.03	-10.45	6.78	-3.20
		919	6751.55	89.62	-1179.58	-1177.41	87.46	-52.37	18.24	-7.79	-7.37	17.82	-3.28
		918	7059.23	52.15	-1195.60	-1195.00	51.56	-27.24	15.80	-15.05	-12.86	13.61	-7.92
753	1	899	1.014e+04	80.77	-1785.21	-1784.65	80.20	-32.39	14.11	-25.43	-21.34	10.03	-12.03
		900	9948.13	107.75	-1773.19	-1771.82	106.38	-50.71	14.96	-20.53	-18.44	12.88	-8.35
		918	1.045e+04	107.70	-1838.28	-1836.96	106.38	-50.71	24.00	-16.89	-14.94	22.05	-8.71
		917	1.061e+04	80.75	-1850.33	-1849.78	80.20	-32.39	22.97	-21.60	-17.84	19.20	-12.39
753	2	899	1.005e+04	79.79	-1762.57	-1761.94	79.16	-34.05	16.48	-23.30	-19.84	13.02	-11.21
		900	9969.35	108.71	-1749.77	-1748.22	107.16	-53.65	16.28	-20.88	-18.70	14.10	-8.73
		918	1.040e+04	108.64	-1829.76	-1828.27	107.16	-53.65	22.30	-18.32	-15.88	19.86	-9.65
		917	1.047e+04	79.76	-1842.59	-1841.99	79.16	-34.05	22.50	-20.74	-17.02	18.77	-12.13
753	3	899	1.001e+04	78.30	-1742.71	-1742.08	77.67	-33.70	16.89	-23.60	-20.01	13.30	-11.51
		900	9867.66	106.83	-1730.08	-1728.55	105.30	-53.04	17.16	-19.97	-17.91	15.10	-8.51
		918	1.041e+04	106.76	-1816.48	-1815.01	105.30	-53.04	24.67	-17.07	-14.91	22.51	-9.25
		917	1.054e+04	78.27	-1829.15	-1828.55	77.67	-33.70	24.34	-20.64	-17.01	20.71	-12.25
753	4	899	9981.28	79.41	-1727.79	-1726.78	78.40	-42.65	17.35	-23.35	-19.84	13.83	-11.44
		900	9842.82	107.10	-1715.80	-1713.73	105.03	-61.29	17.55	-19.96	-17.89	15.48	-8.57
		918	1.042e+04	106.99	-1816.55	-1814.60	105.03	-61.29	24.70	-17.19	-15.00	22.51	-9.33
		917	1.055e+04	79.36	-1828.60	-1827.65	78.40	-42.65	24.45	-20.54	-16.94	20.86	-12.20
753	5	899	1.148e+04	102.15	-1982.62	-1979.12	98.65	-85.39	26.98	-19.88	-17.63	24.74	-10.00
		900	1.174e+04	144.30	-1965.80	-1959.72	138.22	-113.09	21.33	-26.92	-23.41	17.83	-12.52
		918	1.230e+04	143.72	-2188.50	-2183.01	138.22	-113.09	15.69	-30.65	-23.83	8.87	-16.42
		917	1.197e+04	101.81	-2205.56	-2202.40	98.65	-85.39	20.76	-23.03	-18.05	15.78	-13.90
753	6	899	1.008e+04	81.25	-1770.99	-1770.18	80.44	-38.76	14.03	-25.33	-21.28	9.97	-11.97
		900	9888.13	108.14	-1759.19	-1757.45	106.40	-56.93	14.79	-20.52	-18.43	12.70	-8.34
		918	1.042e+04	108.07	-1833.53	-1831.86	106.40	-56.93	23.74	-16.96	-14.98	21.76	-8.76
		917	1.059e+04	81.22	-1845.36	-1844.58	80.44	-38.76	22.81	-21.60	-17.82	19.04	-12.39
753	7	899	9867.19	77.36	-1721.78	-1721.22	76.80	-31.84	15.76	-23.81	-20.13	12.07	-11.50
		900	9704.95	103.98	-1709.95	-1708.58	102.60	-49.90	16.33	-19.67	-17.69	14.35	-8.21
		918	1.022e+04	103.92	-1784.85	-1783.53	102.60	-49.90	24.48	-16.44	-14.48	22.51	-8.75
		917	1.036e+04	77.34	-1796.72	-1796.18	76.80	-31.84	23.80	-20.47	-16.91	20.24	-12.04
753	8	899	7762.21	60.46	-1346.17	-1345.69	59.98	-26.14	13.57	-18.13	-15.40	10.84	-8.90
		900	7650.91	82.23	-1336.54	-1335.36	81.05	-40.89	13.81	-15.32	-13.77	12.26	-6.54
		918	8063.44	82.18	-1401.45	-1400.32	81.05	-40.89	19.71	-13.03	-11.40	18.08	-7.11
		917	8164.50	60.44	-1411.11	-1410.65	59.98	-26.14	19.42	-15.79	-13.03	16.66	-9.47
753	9	899	7110.63	56.68	-1254.22	-1253.83	56.28	-22.86	9.77	-17.82	-14.96	6.90	-8.42
		900	6980.10	76.16	-1245.56	-1244.57	75.17	-36.09	10.27	-14.53	-13.01	8.75	-5.94
		918	7340.53	76.12	-1295.97	-1295.02	75.17	-36.09	16.36	-12.09	-10.65	14.92	-6.24
		917	7455.38	56.66	-1304.66	-1304.28	56.28	-22.86	15.75	-15.28	-12.59	13.07	-8.72
753	10	899	7039.84	55.31	-1230.61	-1230.18	54.87	-23.59	11.31	-16.80	-14.21	8.72	-8.13
		900	6934.89	75.65	-1221.60	-1220.53	74.57	-37.38	11.49	-14.22	-12.72	9.99	-6.03
		918	7317.55	75.60	-1283.86	-1282.83	74.57	-37.38	16.74	-12.20	-10.64	15.18	-6.54
		917	7413.20	55.29	-1292.89	-1292.48	54.87	-23.59	16.52	-14.74	-12.13	13.91	-8.65
753	11	899	7078.57	56.95	-1246.32	-1245.78	56.41	-26.40	9.72	-17.77	-14.92	6.87	-8.38
		900	6946.83	76.37	-1237.78	-1236.59	75.18	-39.54	10.17	-14.53	-13.01	8.66	-5.93
		918	7326.66	76.33	-1293.33	-1292.19	75.18	-39.54	16.22	-12.13	-10.67	14.76	-6.27
		917	7443.31	56.92	-1301.90	-1301.39	56.41	-26.40	15.67	-15.28	-12.58	12.98	-8.72
754	1	898	1.040e+04	89.94	-1837.55	-1836.71	89.10	-40.27	20.27	-21.47	-17.66	16.46	-12.02
		899	1.062e+04	84.93	-1839.80	-1839.10	84.22	-36.86	19.01	-24.47	-20.79	15.33	-12.10
		917	1.051e+04	84.92	-1854.37	-1853.67	84.22	-36.86	19.61	-22.95	-18.72	15.39	-12.73
		916	1.029e+04	89.93	-1852.12	-1851.28	89.10	-40.27	20.90	-19.98	-15.59	16.51	-12.65
754	2	898	1.034e+04	88.83	-1816.84	-1816.03	88.02	-39.29	22.73	-19.30	-16.20	19.63	-10.99
		899	1.065e+04	86.21	-1818.01	-1817.27	85.48	-37.51	20.44	-24.64	-21.02	16.82	-12.25
		917	1.049e+04	86.20	-1848.81	-1848.09	85.48	-37.51	18.23	-24.38	-19.64	13.49	-13.39
		916	1.017e+04	88.82	-1847.63	-1846.84	88.02	-39.29	20.47	-19.00	-14.82	16.30	-12.13
754	3	898	1.031e+04	87.19	-1796.46	-1795.64	86.37	-39.28	23.19	-19.62	-16.38	19.95	-11.32
		899	1.056e+04	84.51	-1797.66	-1796.92	83.77	-37.46	21.45	-23.67	-20.19	17.97	-12.04
		917	1.050e+04	84.50	-1837.31	-1836.58	83.77	-37.46	20.52	-22.91	-18.64	16.26	-12.92
		916	1.024e+04	87.18	-1836.10	-1835.30	86.37	-39.28	22.25	-18.85	-14.84	18.24	-12.21
754	4	898	1.029e+04	88.66	-1785.31	-1784.11	87.46	-47.43	23.59	-19.40	-16.24	20.43	-11.22
		899	1.055e+04	86.88	-1786.10	-1784.95	85.73	-46.23	21.78	-23.65	-20.18	18.32	-12.05
		917	1.053e+04	86.84	-1838.18	-1837.07	85.73	-46.23	20.55	-23.00	-18.73	16.27	-12.96
		916	1.026e+04	88.62	-1837.40	-1836.23	87.46	-47.43	22.34	-18.74	-14.78	18.38	-12.13
754	5	898	1.202e+04	101.21	-2089.64	-2089.31	100.88	-27.00	36.23	-14.00	-12.82	35.06	-7.60
		899	1.283e+04	157.39	-2064.47	-2062.55	155.47	-65.22	27.98	-30.77	-26.31	23.51	-15.57
		917	1.272e+04	157.25	-2238.95	-2237.17	155.47	-65.22	11.00	-38.24	-29.34	2.11	-18.95
		916	1.170e+04	101.19	-2264.23	-2263.93	100.88	-27.00	17.29	-19.49	-15.85	13.65	-10.98
754	6	898	1.036e+04	90.41	-1825.82	-1824.70	89.29	-46.32	20.25	-21.36	-17.59	16.48	-11.94
		899	1.058e+04	85.88	-1827.83	-1826.85	84.90	-43.25	18.92	-24.47	-20.79	15.25	-12.08
		917	1.050e+04	85.87	-1849.69	-1848.72	84.90	-43.25	19.43	-23.03	-18.76	15.17	-12.76
		916	1.028e+04	90.39	-1847.68	-1846.57	89.29	-46.32	20.78	-19.94	-15.56	16.40	-12.62
754	7	898	1.014e+04	86.07	-1773.21	-1772.38	85.24	-39.26	21.85	-19.95	-16.55	18.45	-11.43

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		899	1.037e+04	81.72	-1775.16	-1774.45	81.01	-36.30	20.42	-23.40	-19.95	16.97	-11.81
		917	1.029e+04	81.71	-1802.91	-1802.21	81.01	-36.30	20.25	-22.24	-18.15	16.17	-12.53
		916	1.006e+04	86.05	-1800.95	-1800.13	85.24	-39.26	21.70	-18.80	-14.75	17.65	-12.15
754	8	898	7988.42	67.38	-1387.33	-1386.68	66.73	-30.72	18.44	-15.08	-12.59	15.95	-8.79
		899	8182.63	65.04	-1388.37	-1387.79	64.46	-29.12	17.13	-18.18	-15.52	14.47	-9.31
		917	8127.97	65.03	-1417.21	-1416.64	64.46	-29.12	16.45	-17.52	-14.29	13.21	-9.97
		916	7931.35	67.36	-1416.16	-1415.53	66.73	-30.72	17.75	-14.42	-11.35	14.69	-9.45
754	9	898	7299.04	63.07	-1291.67	-1291.10	62.49	-27.92	14.12	-15.00	-12.37	11.49	-8.35
		899	7456.69	60.05	-1293.03	-1292.54	59.56	-25.87	13.15	-17.27	-14.67	10.54	-8.51
		917	7394.74	60.05	-1308.22	-1307.74	59.56	-25.87	13.36	-16.36	-13.31	10.31	-9.01
		916	7237.29	63.06	-1306.87	-1306.30	62.49	-27.92	14.35	-14.10	-11.02	11.26	-8.85
754	10	898	7244.40	61.54	-1268.84	-1268.28	60.98	-27.37	15.74	-13.97	-11.66	13.43	-7.96
		899	7420.25	59.82	-1269.62	-1269.10	59.30	-26.20	14.50	-16.82	-14.33	12.01	-8.48
		917	7386.32	59.81	-1298.75	-1298.24	59.30	-26.20	13.86	-16.33	-13.27	10.79	-9.12
		916	7207.89	61.53	-1297.97	-1297.42	60.98	-27.37	15.10	-13.48	-10.60	12.22	-8.60
754	11	898	7274.18	63.32	-1285.15	-1284.43	62.60	-31.28	14.11	-14.94	-12.33	11.50	-8.30
		899	7433.37	60.58	-1286.38	-1285.73	59.93	-29.42	13.10	-17.27	-14.67	10.49	-8.50
		917	7386.38	60.57	-1305.62	-1304.99	59.93	-29.42	13.25	-16.40	-13.34	10.19	-9.03
		916	7227.18	63.31	-1304.40	-1303.68	62.60	-31.28	14.28	-14.09	-11.00	11.20	-8.83
755	1	897	9901.23	96.45	-1742.68	-1740.71	94.48	-60.12	26.40	-14.65	-11.56	23.31	-10.82
		898	1.061e+04	58.17	-1759.47	-1758.82	57.53	-34.25	22.82	-27.33	-21.93	17.41	-15.56
		916	9832.77	58.19	-1718.18	-1717.51	57.53	-34.25	13.28	-29.52	-21.84	5.60	-16.42
		915	9047.83	96.49	-1701.42	-1699.41	94.48	-60.12	16.40	-16.37	-11.47	11.50	-11.69
755	2	897	9870.05	95.02	-1725.06	-1723.33	93.29	-56.10	28.80	-12.65	-10.26	26.41	-9.66
		898	1.064e+04	59.74	-1740.63	-1740.05	59.16	-32.21	24.18	-27.26	-22.11	19.03	-15.44
		916	9844.26	59.75	-1716.57	-1715.98	59.16	-32.21	12.20	-30.71	-22.66	4.15	-16.75
		915	8948.40	95.04	-1701.02	-1699.26	93.29	-56.10	16.01	-15.30	-10.82	11.53	-10.97
755	3	897	9841.27	93.32	-1705.99	-1704.22	91.56	-56.35	29.18	-13.00	-10.47	26.66	-10.01
		898	1.055e+04	58.18	-1721.47	-1720.87	57.59	-32.57	25.21	-26.28	-21.28	20.21	-15.24
		916	9829.25	58.19	-1707.33	-1706.72	57.59	-32.57	14.20	-29.00	-21.68	6.88	-16.21
		915	9020.31	93.34	-1691.86	-1690.08	91.56	-56.35	17.56	-15.11	-10.88	13.32	-10.98
755	4	897	9836.27	94.51	-1698.13	-1695.89	92.27	-63.36	29.54	-12.82	-10.36	27.08	-9.89
		898	1.056e+04	60.56	-1712.81	-1711.88	59.63	-40.51	25.48	-26.24	-21.28	20.52	-15.22
		916	9864.95	60.56	-1709.19	-1708.26	59.63	-40.51	14.22	-29.05	-21.75	6.92	-16.20
		915	9043.51	94.52	-1694.51	-1692.27	92.27	-63.36	17.64	-14.99	-10.83	13.48	-10.88
755	5	897	1.154e+04	107.68	-1988.15	-1987.58	107.12	-34.39	42.39	-7.31	-6.79	41.87	-5.06
		898	1.267e+04	69.60	-2006.02	-2005.98	69.57	-8.11	31.01	-32.92	-27.94	26.04	-17.12
		916	1.156e+04	69.60	-2027.85	-2027.82	69.57	-8.11	5.35	-43.31	-31.84	-6.11	-20.65
		915	9956.59	107.68	-2009.98	-2009.42	107.12	-34.39	12.85	-13.82	-10.69	9.72	-8.58
755	6	897	9867.54	96.75	-1733.29	-1730.90	94.36	-66.03	26.40	-14.55	-11.50	23.35	-10.74
		898	1.058e+04	58.73	-1749.71	-1748.80	57.83	-40.46	22.76	-27.32	-21.93	17.37	-15.52
		916	9823.91	58.75	-1713.66	-1712.74	57.83	-40.46	13.16	-29.57	-21.87	5.46	-16.42
		915	9033.15	96.80	-1697.27	-1694.83	94.36	-66.03	16.33	-16.33	-11.44	11.44	-11.65
755	7	897	9669.11	92.22	-1682.45	-1680.52	90.29	-58.38	27.75	-13.39	-10.67	25.03	-10.23
		898	1.036e+04	55.52	-1698.52	-1697.88	54.88	-33.58	24.10	-26.10	-21.04	19.04	-15.10
		916	9625.97	55.53	-1672.69	-1672.04	54.88	-33.58	13.95	-28.42	-21.18	6.70	-15.95
		915	8846.17	92.25	-1656.64	-1654.69	90.29	-58.38	17.09	-15.21	-10.81	12.69	-11.08
755	8	897	7629.22	72.18	-1317.15	-1315.74	70.78	-44.15	23.04	-9.99	-8.02	21.08	-7.81
		898	8180.67	44.78	-1329.19	-1328.72	44.30	-25.61	20.01	-20.22	-16.37	16.16	-11.84
		916	7605.44	44.78	-1316.58	-1316.10	44.30	-25.61	11.45	-22.24	-16.65	5.87	-12.53
		915	6980.54	72.20	-1304.54	-1303.12	70.78	-44.15	14.02	-11.54	-8.30	10.78	-8.51
755	9	897	6950.50	67.54	-1225.57	-1224.24	66.21	-41.40	18.45	-10.19	-8.10	16.36	-7.46
		898	7448.54	41.13	-1237.17	-1236.74	40.70	-23.54	15.85	-19.23	-15.45	12.07	-10.87
		916	6924.15	41.14	-1213.11	-1212.67	40.70	-23.54	9.00	-20.93	-15.48	3.55	-11.55
		915	6367.47	67.56	-1201.52	-1200.17	66.21	-41.40	11.25	-11.53	-8.12	7.84	-8.13
755	10	897	6916.88	65.80	-1205.18	-1203.97	64.58	-39.31	20.00	-9.28	-7.49	18.22	-7.01
		898	7418.13	41.14	-1216.06	-1215.66	40.73	-22.61	17.17	-18.64	-15.09	13.62	-10.70
		916	6921.87	41.14	-1207.09	-1206.68	40.73	-22.61	9.50	-20.64	-15.40	4.26	-11.43
		915	6351.93	65.81	-1196.21	-1194.99	64.58	-39.31	11.89	-10.83	-7.80	8.86	-7.73
755	11	897	6931.69	67.69	-1220.34	-1218.79	66.14	-44.69	18.45	-10.14	-8.06	16.38	-7.41
		898	7431.94	41.44	-1231.75	-1231.17	40.86	-26.99	15.81	-19.22	-15.45	12.05	-10.85
		916	6919.21	41.45	-1210.60	-1210.02	40.86	-26.99	8.93	-20.96	-15.50	3.47	-11.55
		915	6359.23	67.72	-1199.21	-1197.63	66.14	-44.69	11.21	-11.51	-8.11	7.81	-8.11
756	1	896	8564.55	88.53	-1492.97	-1488.14	83.69	-87.30	31.38	-5.58	-3.51	29.31	-8.50
		897	9808.74	23.42	-1519.57	-1518.30	22.15	-44.21	25.57	-28.80	-21.58	18.35	-18.45
		915	8474.76	23.50	-1420.37	-1419.01	22.15	-44.21	5.62	-36.68	-24.03	-7.03	-19.36
		914	6865.14	88.85	-1394.01	-1388.86	83.69	-87.30	9.62	-11.65	-5.96	3.94	-9.41
756	2	896	8567.22	86.80	-1479.48	-1475.39	82.71	-79.96	33.50	-4.01	-2.53	32.02	-7.30
		897	9828.88	25.23	-1505.04	-1504.04	24.23	-39.03	26.68	-28.42	-21.68	19.94	-18.05
		915	8496.29	25.28	-1423.61	-1422.56	24.23	-39.03	4.82	-37.29	-24.66	-7.81	-19.29
		914	6799.51	87.03	-1398.22	-1393.90	82.71	-79.96	9.22	-10.46	-5.51	4.27	-8.54
756	3	896	8545.26	85.22	-1463.46	-1459.27	81.03	-80.43	33.72	-4.40	-2.79	32.11	-7.66

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		897	9752.95	23.91	-1488.81	-1487.77	22.87	-39.72	27.61	-27.49	-20.91	21.03	-17.87
		915	8450.67	23.96	-1417.23	-1416.14	22.87	-39.72	6.32	-35.37	-23.74	-5.31	-18.70
		914	6862.32	85.42	-1392.03	-1387.64	81.03	-80.43	10.30	-10.15	-5.63	5.77	-8.49
756	4	896	8548.05	85.64	-1458.48	-1453.66	80.81	-86.21	34.04	-4.24	-2.69	32.50	-7.53
		897	9764.43	25.68	-1482.81	-1481.37	24.24	-46.61	27.84	-27.43	-20.92	21.32	-17.82
		915	8487.98	25.75	-1420.28	-1418.77	24.24	-46.61	6.32	-35.37	-23.81	-5.24	-18.67
		914	6886.13	85.84	-1396.09	-1391.06	80.81	-86.21	10.34	-9.99	-5.58	5.94	-8.37
756	5	896	1.003e+04	101.45	-1706.48	-1705.29	100.26	-46.45	44.46	-0.26	-0.07	44.27	-2.89
		897	1.146e+04	38.41	-1735.60	-1735.59	38.41	-3.16	31.73	-32.18	-26.43	25.98	-18.29
		915	9736.10	38.41	-1647.09	-1647.08	38.41	-3.16	-0.17	-45.77	-31.61	-14.34	-21.10
		914	7500.73	101.51	-1618.03	-1616.77	100.26	-46.45	6.68	-7.97	-5.25	3.96	-5.70
756	6	896	8541.36	88.90	-1485.92	-1480.37	83.35	-93.34	31.38	-5.51	-3.47	29.35	-8.42
		897	9789.70	23.63	-1512.10	-1510.45	21.97	-50.38	25.52	-28.76	-21.57	18.33	-18.40
		915	8471.93	23.74	-1416.04	-1414.27	21.97	-50.38	5.55	-36.68	-24.04	-7.09	-19.34
		914	6855.35	89.26	-1390.11	-1384.20	83.35	-93.34	9.58	-11.59	-5.94	3.93	-9.36
756	7	896	8382.40	84.65	-1442.00	-1437.30	79.95	-84.60	32.32	-4.79	-2.99	30.52	-7.98
		897	9583.53	21.79	-1467.65	-1466.41	20.55	-43.02	26.55	-27.43	-20.70	19.82	-17.84
		915	8281.37	21.86	-1385.09	-1383.78	20.55	-43.02	6.20	-35.04	-23.28	-5.56	-18.61
		914	6716.52	84.92	-1359.64	-1354.67	79.95	-84.60	10.05	-10.47	-5.57	5.14	-8.75
756	8	896	6624.82	65.98	-1129.54	-1126.22	62.66	-62.94	26.47	-3.36	-2.08	25.20	-6.03
		897	7561.28	18.41	-1149.15	-1148.31	17.57	-31.37	21.82	-21.20	-16.10	16.72	-13.91
		915	6533.77	18.45	-1092.47	-1091.58	17.57	-31.37	5.23	-27.19	-18.27	-3.69	-14.48
		914	5305.30	66.15	-1072.97	-1069.48	62.66	-62.94	8.26	-7.73	-4.26	4.79	-6.60
756	9	896	6015.38	61.88	-1050.54	-1047.28	58.62	-60.09	21.99	-3.83	-2.46	20.62	-5.78
		897	6885.62	16.55	-1069.14	-1068.30	15.72	-30.06	17.79	-20.19	-15.20	12.79	-12.84
		915	5970.24	16.60	-1003.95	-1003.06	15.72	-30.06	3.71	-25.85	-16.99	-5.16	-13.55
		914	4838.38	62.08	-985.50	-982.04	58.62	-60.09	6.56	-8.15	-4.25	2.67	-6.49
756	10	896	6004.74	60.04	-1034.14	-1031.24	57.14	-56.28	23.29	-3.18	-2.06	22.17	-5.32
		897	6854.32	16.83	-1052.05	-1051.34	16.12	-27.56	18.93	-19.47	-14.82	14.28	-12.52
		915	5956.67	16.86	-1002.21	-1001.46	16.12	-27.56	4.09	-25.13	-16.83	-4.20	-13.18
		914	4836.95	60.18	-984.40	-981.36	57.14	-56.28	6.93	-7.31	-4.07	3.69	-5.98
756	11	896	6002.35	62.07	-1046.61	-1042.97	58.43	-63.45	21.99	-3.79	-2.44	20.64	-5.74
		897	6874.93	16.66	-1064.98	-1063.94	15.62	-33.48	17.76	-20.17	-15.19	12.78	-12.81
		915	5968.55	16.72	-1001.53	-1000.43	15.62	-33.48	3.67	-25.85	-16.99	-5.19	-13.53
		914	4832.77	62.29	-983.31	-979.45	58.43	-63.45	6.54	-8.12	-4.24	2.66	-6.46
757	1	895	6006.24	-2.80	-1072.35	-1066.01	-9.14	-82.08	30.73	2.53	4.03	29.24	-6.32
		896	7839.82	-36.18	-1084.51	-1080.99	-39.70	-60.68	25.41	-27.48	-18.26	16.18	-20.07
		914	6474.85	-35.64	-946.75	-942.69	-39.70	-60.68	-0.99	-40.71	-23.32	-18.38	-19.70
		913	3894.53	-1.86	-934.99	-927.71	-9.14	-82.08	3.15	-9.51	-1.04	-5.32	-5.96
757	2	895	6030.05	-4.98	-1065.27	-1060.39	-9.86	-71.76	32.17	3.51	4.50	31.18	-5.25
		896	7816.17	-34.73	-1076.53	-1073.88	-37.38	-52.50	26.08	-26.71	-18.23	17.59	-19.39
		914	6448.97	-34.38	-954.66	-951.65	-37.38	-52.50	-1.53	-40.27	-23.62	-18.18	-19.18
		913	3899.41	-4.34	-943.68	-938.17	-9.86	-71.76	2.63	-8.11	-0.88	-4.60	-5.04
757	3	895	6018.58	-4.94	-1053.49	-1048.43	-10.00	-72.64	32.18	3.09	4.21	31.06	-5.59
		896	7759.99	-35.01	-1064.79	-1062.03	-37.77	-53.20	26.80	-25.92	-17.58	18.47	-19.23
		914	6369.13	-34.67	-952.78	-949.68	-37.77	-53.20	-0.61	-38.36	-22.85	-16.12	-18.58
		913	3902.73	-4.34	-941.74	-936.08	-10.00	-72.64	2.80	-7.38	-1.06	-3.53	-4.94
757	4	895	6022.57	-6.13	-1050.35	-1044.62	-11.86	-77.17	32.49	3.25	4.30	31.44	-5.44
		896	7773.79	-34.42	-1060.74	-1057.33	-37.82	-59.01	26.99	-25.83	-17.59	18.76	-19.16
		914	6404.14	-34.03	-957.11	-953.32	-37.82	-59.01	-0.65	-38.32	-22.91	-16.06	-18.52
		913	3922.44	-5.49	-946.97	-940.60	-11.86	-77.17	2.75	-7.14	-1.02	-3.37	-4.80
757	5	895	7071.06	-9.39	-1234.92	-1234.04	-10.27	-32.93	39.78	5.86	5.92	39.72	-1.42
		896	8807.64	-37.66	-1247.69	-1247.54	-37.82	-13.65	29.06	-28.12	-21.38	22.32	-18.44
		914	7080.18	-37.64	-1094.20	-1094.02	-37.82	-13.65	-4.85	-43.86	-28.00	-20.72	-19.16
		913	4401.36	-9.26	-1081.54	-1080.52	-10.27	-32.93	0.50	-4.51	-0.70	-3.31	-2.14
757	6	895	5997.08	-1.13	-1067.40	-1059.97	-8.56	-88.65	30.73	2.58	4.04	29.26	-6.26
		896	7834.23	-35.50	-1079.57	-1075.28	-39.79	-66.79	25.36	-27.42	-18.24	16.18	-20.01
		914	6479.49	-34.85	-942.72	-937.78	-39.79	-66.79	-1.01	-40.65	-23.31	-18.35	-19.67
		913	3892.21	-0.04	-931.00	-922.48	-8.56	-88.65	3.14	-9.44	-1.02	-5.27	-5.92
757	7	895	5896.39	-2.53	-1036.12	-1029.99	-8.67	-79.40	31.08	2.77	4.08	29.78	-5.94
		896	7648.34	-35.21	-1048.03	-1044.65	-38.59	-58.46	25.95	-26.06	-17.46	17.36	-19.32
		914	6281.35	-34.75	-926.51	-922.66	-38.59	-58.46	-0.57	-38.48	-22.51	-16.53	-18.72
		913	3811.86	-1.71	-914.96	-908.00	-8.67	-79.40	3.01	-8.10	-0.98	-4.11	-5.33
757	8	895	4665.23	-3.50	-812.35	-808.32	-7.53	-56.99	25.14	2.39	3.30	24.23	-4.46
		896	6018.32	-26.88	-821.10	-818.88	-29.10	-41.89	21.10	-20.03	-13.54	14.61	-15.00
		914	4921.94	-26.61	-734.13	-731.64	-29.10	-41.89	-0.26	-29.55	-17.60	-12.21	-14.39
		913	3012.43	-3.01	-725.59	-721.07	-7.53	-56.99	2.28	-5.64	-0.77	-2.59	-3.86
757	9	895	4222.03	-2.51	-755.58	-751.38	-6.71	-56.10	21.56	1.85	2.81	20.61	-4.23
		896	5497.14	-25.60	-764.08	-761.77	-27.91	-41.26	17.69	-19.19	-12.84	11.35	-13.92
		914	4552.99	-25.26	-670.43	-667.78	-27.91	-41.26	-0.85	-28.52	-16.44	-12.93	-13.72
		913	2749.56	-1.91	-662.20	-657.39	-6.71	-56.10	2.06	-6.52	-0.79	-3.68	-4.04
757	10	895	4229.53	-3.69	-745.12	-741.61	-7.19	-50.86	22.37	2.15	2.91	21.62	-3.83

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		896	5452.90	-24.94	-753.13	-751.24	-26.84	-37.11	18.47	-18.32	-12.47	12.62	-13.45
		914	4494.61	-24.71	-673.80	-671.67	-26.84	-37.11	-0.64	-27.22	-16.18	-11.68	-13.10
		913	2755.26	-3.27	-665.97	-662.04	-7.19	-50.86	1.86	-5.34	-0.80	-2.68	-3.47
757	11	895	4216.68	-1.61	-752.81	-748.02	-6.39	-59.76	21.56	1.88	2.82	20.62	-4.20
		896	5493.87	-25.24	-761.31	-758.59	-27.96	-44.66	17.67	-19.15	-12.84	11.35	-13.88
		914	4555.35	-24.85	-668.17	-665.06	-27.96	-44.66	-0.87	-28.49	-16.43	-12.92	-13.70
		913	2747.86	-0.93	-659.95	-654.49	-6.39	-59.76	2.05	-6.48	-0.78	-3.65	-4.02
758	1	3	2185.68	-87.42	-350.32	-350.20	-87.53	5.57	18.31	3.80	6.65	15.46	-5.76
		895	3830.02	-100.69	-358.03	-357.10	-101.62	15.43	19.19	-20.86	-9.12	7.45	-18.23
		913	3546.73	-100.62	-340.70	-339.70	-101.62	15.43	-2.78	-32.71	-16.05	-19.44	-14.87
		7	1851.35	-87.41	-332.93	-332.80	-87.53	5.57	0.22	-11.93	-0.28	-11.43	-2.40
758	2	3	2172.63	-79.27	-357.00	-356.49	-79.78	11.89	18.42	4.39	6.47	16.34	-4.99
		895	3722.41	-96.85	-368.46	-366.04	-99.27	25.53	19.12	-19.64	-9.01	8.50	-17.29
		913	3388.98	-96.73	-355.51	-352.97	-99.27	25.53	-3.01	-30.94	-15.90	-18.05	-13.92
		7	1794.22	-79.24	-343.95	-343.42	-79.78	11.89	-0.16	-10.47	-0.42	-10.21	-1.62
758	3	3	2143.96	-77.37	-350.56	-350.14	-77.79	10.70	18.28	3.79	6.10	15.97	-5.30
		895	3692.03	-95.03	-361.92	-359.68	-97.27	24.33	19.55	-19.03	-8.54	9.05	-17.17
		913	3292.33	-95.02	-361.17	-358.93	-97.27	24.33	-2.57	-29.33	-15.35	-16.56	-13.37
		7	1750.26	-77.37	-349.81	-349.39	-77.79	10.70	-0.47	-9.88	-0.71	-9.64	-1.50
758	4	3	2115.61	-78.03	-345.45	-345.41	-78.08	3.49	18.43	3.95	6.11	16.27	-5.16
		895	3699.89	-98.90	-357.71	-356.30	-100.31	19.05	19.62	-18.87	-8.53	9.28	-17.06
		913	3318.18	-98.94	-364.70	-363.32	-100.31	19.05	-2.58	-29.17	-15.38	-16.37	-13.29
		7	1730.56	-78.04	-352.47	-352.43	-78.08	3.49	-0.51	-9.60	-0.73	-9.39	-1.39
758	5	3	2555.06	-63.47	-462.94	-458.36	-68.06	42.54	21.28	6.43	6.71	20.99	-2.03
		895	3887.45	-97.90	-493.92	-479.87	-111.95	73.27	19.62	-18.19	-10.35	11.79	-15.32
		913	3302.40	-95.28	-433.97	-417.30	-111.95	73.27	-4.49	-29.17	-17.53	-16.13	-12.32
		7	1772.35	-62.63	-401.22	-395.79	-68.06	42.54	-0.33	-7.07	-0.47	-6.92	0.97
758	6	3	2162.24	-88.70	-346.96	-346.95	-88.70	0.62	18.27	3.82	6.65	15.45	-5.73
		895	3845.68	-100.33	-353.13	-352.81	-100.65	8.98	19.16	-20.77	-9.09	7.47	-18.17
		913	3551.37	-100.30	-333.94	-333.59	-100.65	8.98	-2.77	-32.56	-16.00	-19.33	-14.80
		7	1815.69	-88.70	-327.74	-327.74	-88.70	0.62	0.22	-11.84	-0.26	-11.36	-2.36
758	7	3	2115.29	-81.52	-339.73	-339.59	-81.67	6.02	17.97	3.54	6.19	15.32	-5.58
		895	3701.10	-94.92	-347.60	-346.58	-95.94	16.01	19.21	-19.47	-8.54	8.27	-17.42
		913	3331.39	-94.89	-339.72	-338.67	-95.94	16.01	-2.51	-30.08	-15.26	-17.34	-13.75
		7	1742.21	-81.52	-331.82	-331.68	-81.67	6.02	-0.17	-10.65	-0.53	-10.29	-1.91
758	8	3	1663.63	-60.64	-268.43	-268.13	-60.94	7.94	14.23	2.78	4.70	12.32	-4.27
		895	2870.19	-73.52	-276.65	-275.07	-75.10	17.85	15.36	-14.75	-6.53	7.14	-13.42
		913	2542.43	-73.52	-277.84	-276.26	-75.10	17.85	-1.89	-22.59	-11.81	-12.67	-10.34
		7	1349.48	-60.64	-269.63	-269.33	-60.94	7.94	-0.38	-7.70	-0.58	-7.50	-1.20
758	9	3	1529.30	-59.64	-249.47	-249.35	-59.76	4.75	12.79	2.83	4.64	10.99	-3.84
		895	2666.65	-70.27	-255.81	-254.93	-71.14	12.71	13.32	-14.44	-6.42	5.30	-12.58
		913	2470.70	-70.20	-243.73	-242.79	-71.14	12.71	-2.04	-22.73	-11.28	-13.49	-10.29
		7	1294.95	-59.63	-237.34	-237.22	-59.76	4.75	0.08	-8.10	-0.22	-7.80	-1.55
758	10	3	1506.24	-54.05	-249.62	-249.32	-54.35	7.60	12.79	2.81	4.33	11.27	-3.58
		895	2591.28	-67.08	-258.01	-256.37	-68.72	17.66	13.52	-13.43	-6.10	6.19	-11.99
		913	2330.73	-67.05	-255.15	-253.48	-68.72	17.66	-1.92	-20.86	-10.89	-11.88	-9.46
		7	1239.49	-54.05	-246.73	-246.43	-54.35	7.60	-0.30	-6.97	-0.46	-6.80	-1.04
758	11	3	1516.59	-60.39	-247.57	-247.55	-60.41	1.99	12.77	2.84	4.63	10.98	-3.82
		895	2674.98	-70.15	-253.00	-252.55	-70.60	9.13	13.30	-14.40	-6.41	5.31	-12.55
		913	2472.89	-70.11	-239.89	-239.40	-70.60	9.13	-2.03	-22.65	-11.25	-13.43	-10.25
		7	1275.36	-60.38	-234.43	-234.40	-60.41	1.99	0.08	-8.05	-0.21	-7.75	-1.52
759	1	1056	3864.42	-108.97	-377.46	-374.34	-112.09	28.80	-3.12	-36.32	-17.50	-21.95	-16.45
		168	2112.87	-87.79	-363.23	-362.69	-88.33	12.16	0.41	-13.66	-0.18	-13.07	-2.80
		169	2410.43	-87.84	-392.45	-391.96	-88.33	12.16	19.97	4.21	7.25	16.93	-6.22
		42	4152.03	-109.27	-406.42	-403.60	-112.09	28.80	20.82	-22.85	-10.07	8.05	-19.86
759	2	1056	3599.38	-92.94	-481.55	-452.81	-121.67	101.69	-4.97	-33.36	-19.07	-19.27	-14.20
		168	2078.07	-58.35	-439.10	-427.48	-69.97	65.50	-0.26	-9.01	-0.27	-8.99	0.32
		169	2777.96	-60.49	-522.65	-513.17	-69.97	65.50	22.61	6.90	7.35	22.16	-2.62
		42	4211.95	-98.19	-561.99	-538.50	-121.67	101.69	20.95	-20.51	-11.45	11.89	-17.14
759	3	1056	3594.90	-103.50	-390.02	-386.07	-107.45	33.42	-2.90	-32.77	-16.69	-18.97	-14.89
		168	1977.83	-79.99	-373.71	-372.97	-80.73	14.72	-0.26	-11.63	-0.58	-11.31	-1.89
		169	2346.20	-80.02	-385.40	-384.69	-80.73	14.72	19.86	4.15	6.70	17.31	-5.80
		42	4009.76	-103.65	-401.58	-397.78	-107.45	33.42	21.19	-20.95	-9.41	9.65	-18.79
759	4	1056	3600.16	-100.71	-394.96	-389.88	-105.79	38.32	-2.88	-33.03	-16.72	-19.19	-15.02
		168	2021.82	-77.45	-377.86	-376.61	-78.70	19.36	-0.21	-11.84	-0.58	-11.47	-2.02
		169	2368.72	-77.50	-390.61	-389.41	-78.70	19.36	19.80	4.05	6.69	17.16	-5.89
		42	4006.55	-100.93	-407.55	-402.68	-105.79	38.32	21.11	-21.12	-9.45	9.44	-18.88
759	5	1056	3680.47	-101.75	-396.09	-389.33	-108.51	44.09	-3.35	-34.46	-17.33	-20.47	-15.47
		168	2066.47	-77.78	-377.14	-375.22	-79.71	23.93	0.01	-12.15	-0.33	-11.81	-2.01
		169	2418.66	-77.94	-404.38	-402.62	-79.71	23.93	20.06	4.76	7.04	17.78	-5.45
		42	4036.76	-102.33	-422.92	-416.73	-108.51	44.09	20.76	-21.61	-9.96	9.12	-18.91
759	6	1056	3856.21	-107.75	-381.86	-377.76	-111.85	33.30	-3.11	-36.39	-17.52	-21.99	-16.48

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		168	2138.04	-86.40	-366.67	-365.74	-87.33	16.13	0.40	-13.72	-0.19	-13.12	-2.84
		169	2430.24	-86.48	-395.77	-394.93	-87.33	16.13	19.98	4.16	7.24	16.90	-6.26
		42	4143.98	-108.14	-410.66	-406.95	-111.85	33.30	20.85	-22.90	-10.09	8.03	-19.91
759	7	1056	3628.28	-102.11	-382.29	-377.89	-106.51	34.83	-2.86	-33.60	-16.70	-19.76	-15.30
		168	2021.41	-80.17	-366.51	-365.49	-81.19	17.11	-5.92e-03	-12.32	-0.45	-11.88	-2.29
		169	2356.54	-80.23	-384.94	-383.98	-81.19	17.11	19.63	3.94	6.77	16.80	-6.03
		42	4005.42	-102.38	-400.51	-396.39	-106.51	34.83	20.86	-21.43	-9.49	8.92	-19.04
759	8	1056	2777.65	-80.28	-298.87	-296.21	-82.94	23.99	-2.13	-25.24	-12.84	-14.54	-11.53
		168	1522.07	-62.99	-287.14	-286.67	-63.47	10.35	-0.21	-9.07	-0.47	-8.80	-1.51
		169	1816.56	-63.00	-294.23	-293.77	-63.47	10.35	15.45	3.05	5.17	13.34	-4.66
		42	3117.22	-80.36	-305.89	-303.31	-82.94	23.99	16.64	-16.24	-7.20	7.61	-14.68
759	9	1056	2690.83	-75.76	-270.79	-268.01	-78.53	23.10	-2.29	-25.26	-12.31	-15.24	-11.39
		168	1481.54	-59.61	-259.53	-259.00	-60.14	10.22	0.21	-9.30	-0.15	-8.94	-1.82
		169	1690.87	-59.66	-280.04	-279.57	-60.14	10.22	13.96	3.12	5.05	12.03	-4.15
		42	2891.49	-76.02	-291.09	-288.58	-78.53	23.10	14.46	-15.84	-7.10	5.72	-13.72
759	10	1056	2542.78	-72.69	-277.79	-274.53	-75.95	25.67	-2.16	-23.29	-11.86	-13.59	-10.53
		168	1407.00	-55.27	-265.36	-264.71	-55.91	11.64	-0.16	-8.18	-0.58	-7.96	-1.31
		169	1655.14	-55.30	-276.15	-275.53	-55.91	11.64	13.91	3.08	4.75	12.24	-3.91
		42	2813.68	-72.85	-288.45	-285.35	-75.95	25.67	14.66	-14.79	-6.73	6.61	-13.13
759	11	1056	2686.53	-75.03	-273.28	-269.92	-78.40	25.60	-2.28	-25.30	-12.32	-15.27	-11.41
		168	1495.36	-58.82	-261.46	-260.70	-59.58	12.43	0.21	-9.34	-0.16	-8.97	-1.84
		169	1701.62	-58.89	-281.92	-281.22	-59.58	12.43	13.97	3.09	5.05	12.01	-4.17
		42	2887.30	-75.35	-293.49	-290.44	-78.40	25.60	14.47	-15.87	-7.11	5.71	-13.75
760	1	1055	6982.42	-40.72	-1041.25	-1038.76	-43.21	-49.85	-0.89	-43.81	-24.96	-19.74	-21.30
		1056	4317.27	-0.98	-1026.40	-1020.81	-6.57	-75.50	3.47	-11.14	-1.66	-6.01	-6.98
		42	6595.17	-1.72	-1182.83	-1177.99	-6.57	-75.50	32.72	1.84	3.64	30.92	-7.23
		39	8483.59	-41.06	-1198.09	-1195.94	-43.21	-49.85	27.12	-29.59	-19.65	17.19	-21.56
760	2	1055	7556.71	-37.01	-1191.16	-1191.06	-37.12	10.91	-4.87	-47.21	-29.57	-22.52	-20.87
		1056	4805.27	-5.26	-1175.61	-1175.50	-5.37	-11.32	0.80	-6.75	-1.46	-4.49	-3.46
		42	7687.26	-5.27	-1365.41	-1365.32	-5.37	-11.32	40.83	5.09	5.27	40.64	-2.58
		39	9475.33	-37.03	-1380.96	-1380.88	-37.12	10.91	30.16	-30.38	-22.83	22.61	-20.00
760	3	1055	6851.63	-40.60	-1040.53	-1038.51	-42.62	-44.91	-0.43	-41.28	-24.33	-17.37	-20.12
		1056	4301.44	-2.25	-1025.86	-1021.08	-7.03	-69.82	3.20	-8.98	-1.61	-4.18	-5.95
		42	6565.17	-2.78	-1152.90	-1148.65	-7.03	-69.82	34.10	2.46	3.87	32.69	-6.51
		39	8360.42	-40.82	-1167.88	-1166.08	-42.62	-44.91	28.53	-27.89	-18.86	19.50	-20.68
760	4	1055	6833.76	-40.30	-1039.75	-1038.08	-41.97	-40.83	-0.39	-41.30	-24.27	-17.42	-20.17
		1056	4295.34	-2.68	-1025.08	-1020.89	-6.88	-65.38	3.24	-9.20	-1.64	-4.32	-6.08
		42	6561.19	-3.17	-1157.53	-1153.81	-6.88	-65.38	33.79	2.30	3.77	32.31	-6.65
		39	8354.58	-40.49	-1172.48	-1171.00	-41.97	-40.83	28.33	-27.97	-18.85	19.21	-20.74
760	5	1055	6946.24	-38.98	-1050.67	-1049.32	-40.33	-36.96	-1.43	-43.34	-25.24	-19.52	-20.76
		1056	4285.55	-3.22	-1036.42	-1032.87	-6.77	-60.46	2.94	-9.73	-1.52	-5.27	-6.05
		42	6634.47	-3.65	-1180.05	-1176.94	-6.77	-60.46	34.17	2.84	4.10	32.91	-6.16
		39	8467.70	-39.15	-1194.57	-1193.39	-40.33	-36.96	27.83	-28.80	-19.62	18.66	-20.87
760	6	1055	6977.45	-41.08	-1043.75	-1041.67	-43.16	-45.59	-0.86	-43.82	-24.96	-19.72	-21.32
		1056	4319.71	-1.59	-1028.70	-1023.73	-6.55	-71.21	3.49	-11.19	-1.68	-6.03	-7.01
		42	6605.18	-2.25	-1186.74	-1182.45	-6.55	-71.21	32.71	1.79	3.62	30.88	-7.29
		39	8489.60	-41.36	-1202.18	-1200.38	-43.16	-45.59	27.16	-29.63	-19.66	17.19	-21.60
760	7	1055	6777.17	-40.13	-1022.95	-1021.10	-41.98	-42.59	-0.43	-41.49	-24.12	-17.80	-20.29
		1056	4230.60	-2.07	-1008.30	-1003.77	-6.60	-67.36	3.35	-9.68	-1.59	-4.74	-6.32
		42	6487.48	-2.63	-1148.93	-1144.96	-6.60	-67.36	33.12	2.12	3.71	31.53	-6.84
		39	8289.95	-40.36	-1163.91	-1162.29	-41.98	-42.59	27.76	-28.12	-18.83	18.47	-20.81
760	8	1055	5292.92	-31.27	-800.92	-799.22	-32.97	-36.19	-0.11	-31.79	-18.74	-13.16	-15.59
		1056	3318.19	-1.25	-789.55	-785.61	-5.20	-55.63	2.61	-6.87	-1.18	-3.08	-4.65
		42	5083.18	-1.69	-887.76	-884.25	-5.20	-55.63	26.63	1.91	3.05	25.49	-5.18
		39	6478.37	-31.46	-899.37	-897.86	-32.97	-36.19	22.45	-21.54	-14.51	15.41	-16.12
760	9	1055	4910.62	-28.84	-737.84	-736.33	-30.35	-32.75	-0.80	-30.71	-17.60	-13.90	-14.84
		1056	3048.54	-1.40	-727.41	-723.87	-4.94	-50.55	2.27	-7.67	-1.23	-4.16	-4.75
		42	4639.79	-1.86	-834.40	-831.32	-4.94	-50.55	22.96	1.37	2.53	21.80	-4.87
		39	5952.51	-29.04	-845.09	-843.77	-30.35	-32.75	18.89	-20.67	-13.83	12.06	-14.96
760	10	1055	4838.46	-28.75	-737.46	-736.19	-30.03	-30.00	-0.54	-29.30	-17.25	-12.59	-14.19
		1056	3041.07	-2.08	-727.13	-724.02	-5.19	-47.39	2.12	-6.46	-1.20	-3.14	-4.18
		42	4623.68	-2.43	-817.78	-815.01	-5.19	-47.39	23.73	1.71	2.66	22.78	-4.47
		39	5884.20	-28.90	-828.31	-827.18	-30.03	-30.00	19.68	-19.73	-13.39	13.34	-14.48
760	11	1055	4908.00	-29.02	-739.25	-737.94	-30.33	-30.38	-0.78	-30.71	-17.60	-13.89	-14.85
		1056	3050.14	-1.72	-728.70	-725.50	-4.93	-48.16	2.28	-7.69	-1.24	-4.17	-4.77
		42	4645.51	-2.14	-836.58	-833.79	-4.93	-48.16	22.95	1.35	2.52	21.78	-4.90
		39	5955.97	-29.20	-847.37	-846.24	-30.33	-30.38	18.91	-20.69	-13.84	12.06	-14.98
761	1	1054	9206.33	27.12	-1563.55	-1562.93	26.50	-31.33	6.48	-38.98	-25.62	-6.89	-20.71
		1055	7617.76	97.29	-1533.85	-1530.09	93.53	-78.24	10.68	-13.80	-7.38	4.26	-10.77
		39	9378.22	97.05	-1644.41	-1640.89	93.53	-78.24	32.71	-7.47	-4.95	30.18	-9.75
		36	1.062e+04	27.08	-1674.31	-1673.73	26.50	-31.33	26.80	-30.95	-23.18	19.04	-19.70
761	2	1054	1.044e+04	48.76	-1793.65	-1793.42	48.52	20.82	0.43	-48.08	-33.07	-14.58	-22.43

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1055	8265.58	114.46	-1761.61	-1761.27	114.13	-25.10	7.44	-10.69	-6.94	3.69	-7.34
		39	1.091e+04	114.44	-1885.62	-1885.31	114.13	-25.10	44.64	-2.36	-1.94	44.22	-4.45
		36	1.233e+04	48.74	-1917.67	-1917.45	48.52	20.82	32.27	-34.39	-28.07	25.95	-19.53
761	3	1054	9138.42	26.86	-1550.78	-1550.22	26.30	-29.63	7.37	-37.33	-25.09	-4.88	-19.94
		1055	7578.65	92.47	-1522.80	-1519.44	89.11	-73.60	11.45	-12.21	-6.96	6.20	-9.83
		39	9294.91	92.31	-1601.71	-1598.50	89.11	-73.60	34.93	-6.24	-4.19	32.87	-8.97
		36	1.050e+04	26.83	-1629.81	-1629.28	26.30	-29.63	28.89	-29.42	-22.31	21.79	-19.07
761	4	1054	9113.41	25.70	-1549.92	-1549.55	25.33	-24.21	7.35	-37.33	-25.03	-4.95	-19.96
		1055	7565.68	92.87	-1520.91	-1517.92	89.88	-69.40	11.41	-12.35	-6.99	6.05	-9.93
		39	9296.38	92.72	-1606.99	-1604.15	89.88	-69.40	34.60	-6.40	-4.28	32.49	-9.07
		36	1.049e+04	25.68	-1636.13	-1635.78	25.33	-24.21	28.64	-29.48	-22.32	21.48	-19.10
761	5	1054	9222.67	28.98	-1568.58	-1568.29	28.69	-21.49	5.68	-39.60	-26.24	-7.67	-20.65
		1055	7553.49	95.64	-1539.52	-1536.81	92.93	-66.46	10.29	-12.62	-6.93	4.60	-9.90
		39	9402.79	95.49	-1636.52	-1633.96	92.93	-66.46	34.90	-5.85	-3.96	33.01	-8.56
		36	1.066e+04	28.96	-1665.72	-1665.44	28.69	-21.49	28.01	-30.54	-23.27	20.74	-19.31
761	6	1054	9207.73	26.59	-1566.62	-1566.18	26.14	-26.67	6.54	-38.97	-25.61	-6.82	-20.73
		1055	7624.67	97.14	-1536.39	-1533.03	93.78	-74.02	10.73	-13.84	-7.39	4.28	-10.81
		39	9397.39	96.92	-1649.83	-1646.68	93.78	-74.02	32.73	-7.53	-4.97	30.17	-9.81
		36	1.063e+04	26.56	-1680.24	-1679.83	26.14	-26.67	26.85	-30.97	-23.19	19.07	-19.74
761	7	1054	9007.97	25.27	-1529.57	-1529.17	24.86	-25.07	7.15	-37.28	-24.83	-5.30	-19.95
		1055	7466.73	92.97	-1500.46	-1497.33	89.84	-70.55	11.18	-12.57	-6.95	5.56	-10.09
		39	9205.73	92.79	-1596.59	-1593.64	89.84	-70.55	33.76	-6.62	-4.38	31.52	-9.23
		36	1.040e+04	25.25	-1625.86	-1625.48	24.86	-25.07	27.93	-29.53	-22.27	20.67	-19.09
761	8	1054	7061.20	20.59	-1194.38	-1193.89	20.11	-24.28	6.07	-28.67	-19.28	-3.32	-15.43
		1055	5855.46	71.47	-1172.80	-1170.07	68.73	-58.31	9.18	-9.32	-5.28	5.14	-7.64
		39	7196.90	71.34	-1234.60	-1231.99	68.73	-58.31	27.40	-4.79	-3.16	25.78	-7.05
		36	8130.60	20.57	-1256.28	-1255.82	20.11	-24.28	22.82	-22.67	-17.16	17.31	-14.84
761	9	1054	6487.40	19.19	-1105.75	-1105.39	18.83	-20.11	4.30	-27.49	-18.11	-5.08	-14.50
		1055	5370.52	68.04	-1084.90	-1082.47	65.61	-52.86	7.30	-9.67	-5.26	2.89	-7.44
		39	6593.31	67.89	-1158.52	-1156.24	65.61	-52.86	22.93	-5.16	-3.47	21.24	-6.66
		36	7460.91	19.17	-1179.49	-1179.15	18.83	-20.11	18.66	-21.71	-16.33	13.28	-13.72
761	10	1054	6449.51	19.05	-1098.66	-1098.33	18.72	-19.17	4.79	-26.57	-17.82	-3.96	-14.07
		1055	5349.00	65.37	-1078.77	-1076.56	63.15	-50.28	7.72	-8.78	-5.03	3.96	-6.92
		39	6547.10	65.26	-1134.80	-1132.69	63.15	-50.28	24.16	-4.48	-3.05	22.74	-6.23
		36	7393.97	19.03	-1154.77	-1154.46	18.72	-19.17	19.82	-20.86	-15.85	14.81	-13.37
761	11	1054	6488.26	18.90	-1107.47	-1107.19	18.63	-17.53	4.33	-27.49	-18.11	-5.04	-14.51
		1055	5374.47	67.96	-1086.32	-1084.11	65.75	-50.51	7.32	-9.69	-5.26	2.90	-7.46
		39	6604.05	67.83	-1161.53	-1159.45	65.75	-50.51	22.93	-5.19	-3.49	21.24	-6.70
		36	7469.66	18.89	-1182.80	-1182.54	18.63	-17.53	18.69	-21.73	-16.33	13.30	-13.74
762	1	1053	1.074e+04	67.63	-1888.53	-1888.13	67.22	-28.14	14.74	-31.42	-23.40	6.72	-17.49
		1054	9997.64	102.63	-1872.82	-1871.45	101.26	-51.96	17.85	-18.96	-13.44	12.33	-13.14
		36	1.084e+04	102.60	-1921.82	-1920.49	101.26	-51.96	26.95	-17.42	-13.72	23.26	-12.26
		33	1.152e+04	67.62	-1937.56	-1937.17	67.22	-28.14	23.49	-29.53	-23.68	17.65	-16.61
762	2	1053	1.244e+04	84.29	-2203.97	-2203.96	84.28	5.03	6.34	-45.10	-33.32	-5.44	-21.62
		1054	1.093e+04	117.36	-2187.96	-2187.82	117.22	-18.03	13.80	-16.93	-13.02	9.88	-10.25
		36	1.258e+04	117.36	-2201.97	-2201.83	117.22	-18.03	41.94	-10.35	-9.46	41.05	-6.77
		33	1.368e+04	84.29	-2217.98	-2217.97	84.28	5.03	31.12	-35.16	-29.76	25.72	-18.14
762	3	1053	1.069e+04	67.27	-1866.12	-1865.70	66.84	-28.76	15.93	-30.50	-22.95	8.38	-17.13
		1054	9929.47	99.03	-1851.86	-1850.56	97.73	-50.38	19.16	-17.57	-12.75	14.34	-12.40
		36	1.071e+04	99.02	-1869.48	-1868.19	97.73	-50.38	29.67	-15.73	-12.59	26.54	-11.50
		33	1.139e+04	67.26	-1883.75	-1883.33	66.84	-28.76	25.98	-28.20	-22.79	20.58	-16.24
762	4	1053	1.066e+04	65.21	-1865.64	-1865.38	64.95	-22.30	15.87	-30.45	-22.89	8.31	-17.12
		1054	9911.25	98.21	-1850.63	-1849.59	97.17	-44.85	19.06	-17.66	-12.78	14.18	-12.47
		36	1.071e+04	98.19	-1877.23	-1876.21	97.17	-44.85	29.33	-15.89	-12.70	26.13	-11.59
		33	1.139e+04	65.20	-1892.26	-1892.00	64.95	-22.30	25.70	-28.24	-22.81	20.27	-16.24
762	5	1053	1.075e+04	68.81	-1889.01	-1888.77	68.57	-21.50	13.67	-32.59	-24.21	5.29	-17.82
		1054	9902.05	101.04	-1874.29	-1873.33	100.08	-43.56	17.48	-17.89	-12.79	12.38	-12.43
		36	1.083e+04	101.02	-1911.57	-1910.63	100.08	-43.56	29.46	-15.38	-12.43	26.50	-11.12
		33	1.158e+04	68.81	-1926.30	-1926.07	68.57	-21.50	24.99	-29.43	-23.85	19.41	-16.51
762	6	1053	1.075e+04	66.62	-1892.05	-1891.78	66.35	-23.02	14.84	-31.38	-23.38	6.84	-17.49
		1054	1.001e+04	102.26	-1875.88	-1874.75	101.12	-47.36	17.92	-18.98	-13.45	12.39	-13.17
		36	1.086e+04	102.23	-1929.20	-1928.09	101.12	-47.36	26.99	-17.48	-13.76	23.26	-12.32
		33	1.154e+04	66.62	-1945.39	-1945.13	66.35	-23.02	23.57	-29.54	-23.69	17.72	-16.64
762	7	1053	1.053e+04	64.38	-1844.10	-1843.84	64.13	-22.23	15.55	-30.26	-22.69	7.98	-17.01
		1054	9795.14	98.09	-1828.78	-1827.72	97.03	-45.26	18.65	-17.73	-12.74	13.65	-12.52
		36	1.062e+04	98.07	-1866.27	-1865.23	97.03	-45.26	28.46	-16.10	-12.80	25.15	-11.68
		33	1.129e+04	64.38	-1881.60	-1881.35	64.13	-22.23	24.96	-28.23	-22.75	19.48	-16.17
762	8	1053	8264.19	51.73	-1437.85	-1437.49	51.37	-23.27	12.84	-23.35	-17.60	7.09	-13.24
		1054	7679.39	76.55	-1426.75	-1425.67	75.48	-40.15	15.29	-13.43	-9.73	11.60	-9.61
		36	8289.38	76.54	-1441.32	-1440.26	75.48	-40.15	23.41	-12.09	-9.65	20.98	-8.97
		33	8817.99	51.73	-1452.44	-1452.08	51.37	-23.27	20.62	-21.68	-17.52	16.47	-12.60
762	9	1053	7568.20	47.81	-1334.10	-1333.86	47.56	-18.43	10.01	-22.28	-16.59	4.32	-12.30

		1054	7039.03	71.89	-1323.23	-1322.36	71.02	-34.85	12.26	-13.36	-9.52	8.41	-9.15
		36	7616.13	71.87	-1353.43	-1352.57	71.02	-34.85	18.85	-12.14	-9.62	16.33	-8.47
		33	8098.13	47.80	-1364.31	-1364.07	47.56	-18.43	16.33	-20.79	-16.70	12.24	-11.62
762	10	1053	7536.63	47.60	-1321.65	-1321.40	47.35	-18.77	10.67	-21.76	-16.34	5.24	-12.10
		1054	7000.89	69.89	-1311.59	-1310.76	69.06	-33.97	12.98	-12.58	-9.13	9.53	-8.74
		36	7543.45	69.88	-1324.35	-1323.52	69.06	-33.97	20.36	-11.20	-9.00	18.16	-8.05
		33	8025.42	47.60	-1334.41	-1334.16	47.35	-18.77	17.71	-20.05	-16.20	13.87	-11.42
762	11	1053	7571.92	47.25	-1336.06	-1335.89	47.08	-15.58	10.07	-22.26	-16.58	4.39	-12.30
		1054	7044.84	71.69	-1324.94	-1324.20	70.94	-32.29	12.30	-13.37	-9.52	8.45	-9.16
		36	7631.36	71.67	-1357.53	-1356.80	70.94	-32.29	18.87	-12.18	-9.64	16.34	-8.50
		33	8111.88	47.25	-1368.66	-1368.49	47.08	-15.58	16.37	-20.80	-16.70	12.28	-11.64
763	1	1052	1.151e+04	98.01	-2036.00	-2035.19	97.20	-41.52	21.22	-24.74	-20.30	16.78	-13.58
		1053	1.133e+04	95.25	-2037.25	-2036.51	94.52	-39.64	22.34	-22.72	-17.82	17.44	-14.03
		33	1.138e+04	95.26	-2025.86	-2025.11	94.52	-39.64	20.27	-24.60	-20.15	15.83	-13.41
		30	1.157e+04	98.01	-2024.61	-2023.80	97.20	-41.52	19.19	-26.66	-22.64	15.17	-12.96
763	2	1052	1.372e+04	173.56	-2430.70	-2428.94	171.81	-67.62	11.97	-40.08	-30.98	2.88	-19.77
		1053	1.278e+04	107.86	-2460.57	-2460.37	107.66	-22.71	18.15	-22.68	-18.42	13.88	-12.49
		33	1.313e+04	107.87	-2315.79	-2315.58	107.66	-22.71	35.67	-17.36	-15.72	34.04	-9.17
		30	1.391e+04	173.67	-2286.01	-2284.15	171.81	-67.62	27.85	-33.10	-28.28	23.03	-16.45
763	3	1052	1.144e+04	96.48	-2006.09	-2005.19	95.59	-43.37	22.51	-24.27	-19.90	18.14	-13.61
		1053	1.123e+04	92.29	-2007.97	-2007.19	91.51	-40.52	23.92	-21.44	-16.95	19.43	-13.55
		33	1.122e+04	92.31	-1967.86	-1967.06	91.51	-40.52	23.20	-22.70	-18.81	19.31	-12.77
		30	1.142e+04	96.50	-1965.97	-1965.06	95.59	-43.37	21.81	-25.55	-21.77	18.02	-12.84
763	4	1052	1.142e+04	94.89	-2006.35	-2005.73	94.27	-36.33	22.42	-24.21	-19.87	18.07	-13.56
		1053	1.122e+04	91.18	-2008.05	-2007.50	90.64	-33.79	23.79	-21.50	-16.98	19.27	-13.58
		33	1.123e+04	91.19	-1978.56	-1978.01	90.64	-33.79	22.86	-22.86	-18.92	18.92	-12.82
		30	1.143e+04	94.90	-1976.87	-1976.24	94.27	-36.33	21.51	-25.59	-21.80	17.73	-12.80
763	5	1052	1.150e+04	98.64	-2032.95	-2032.29	97.98	-37.49	19.90	-26.13	-21.20	14.97	-14.24
		1053	1.121e+04	93.84	-2035.14	-2034.59	93.30	-34.21	21.98	-21.75	-17.05	17.29	-13.53
		33	1.136e+04	93.85	-2014.30	-2013.74	93.30	-34.21	22.89	-22.41	-18.70	19.18	-12.42
		30	1.164e+04	98.65	-2012.11	-2011.44	97.98	-37.49	20.81	-26.80	-22.84	16.86	-13.13
763	6	1052	1.152e+04	96.69	-2039.90	-2039.30	96.09	-35.82	21.39	-24.69	-20.28	16.97	-13.56
		1053	1.134e+04	94.68	-2040.82	-2040.26	94.12	-34.45	22.45	-22.73	-17.83	17.55	-14.05
		33	1.142e+04	94.68	-2035.33	-2034.78	94.12	-34.45	20.34	-24.67	-20.19	15.87	-13.47
		30	1.160e+04	96.69	-2034.41	-2033.81	96.09	-35.82	19.31	-26.66	-22.64	15.29	-12.99
763	7	1052	1.129e+04	93.87	-1985.68	-1985.08	93.27	-35.39	22.06	-23.96	-19.68	17.78	-13.36
		1053	1.110e+04	91.00	-1986.99	-1986.45	90.47	-33.42	23.31	-21.48	-16.93	18.76	-13.53
		33	1.115e+04	91.01	-1968.20	-1967.65	90.47	-33.42	22.05	-23.02	-19.00	18.03	-12.85
		30	1.134e+04	93.88	-1966.89	-1966.28	93.27	-35.39	20.83	-25.52	-21.74	17.05	-12.68
763	8	1052	8849.69	74.17	-1546.09	-1545.37	73.45	-34.17	18.04	-18.53	-15.23	14.73	-10.49
		1053	8692.87	71.29	-1547.38	-1546.74	70.65	-32.21	19.08	-16.40	-12.98	15.65	-10.48
		33	8681.96	71.30	-1517.35	-1516.69	70.65	-32.21	18.44	-17.45	-14.47	15.46	-9.92
		30	8839.21	74.19	-1516.06	-1515.32	73.45	-34.17	17.42	-19.60	-16.72	14.54	-9.92
763	9	1052	8100.70	69.26	-1437.20	-1436.66	68.73	-28.39	14.48	-17.63	-14.43	11.28	-9.62
		1053	7970.33	66.81	-1438.31	-1437.83	66.33	-26.71	15.35	-16.04	-12.59	11.90	-9.82
		33	7999.15	66.81	-1426.31	-1425.83	66.33	-26.71	14.14	-17.21	-14.13	11.06	-9.33
		30	8130.73	69.27	-1425.20	-1424.66	68.73	-28.39	13.29	-18.82	-15.97	10.44	-9.13
763	10	1052	8060.44	68.41	-1420.58	-1419.99	67.83	-29.42	15.19	-17.37	-14.21	12.03	-9.64
		1053	7915.77	65.16	-1422.04	-1421.55	64.66	-27.21	16.23	-15.33	-12.11	13.01	-9.56
		33	7904.42	65.17	-1394.09	-1393.58	64.66	-27.21	15.76	-16.15	-13.39	13.00	-8.98
		30	8049.16	68.42	-1392.62	-1392.03	67.83	-29.42	14.74	-18.21	-15.49	12.02	-9.06
763	11	1052	8107.69	68.53	-1439.36	-1438.94	68.11	-25.23	14.57	-17.61	-14.42	11.38	-9.61
		1053	7977.94	66.49	-1440.30	-1439.92	66.11	-23.83	15.41	-16.05	-12.60	11.96	-9.83
		33	8019.65	66.49	-1431.58	-1431.20	66.11	-23.83	14.18	-17.25	-14.15	11.08	-9.37
		30	8150.67	68.54	-1430.64	-1430.22	68.11	-25.23	13.35	-18.82	-15.98	10.50	-9.14
764	1	1051	1.143e+04	123.21	-2015.54	-2013.40	121.07	-67.54	25.48	-18.52	-16.44	23.40	-9.34
		1052	1.164e+04	85.08	-2032.27	-2031.44	84.25	-41.77	24.17	-24.28	-20.10	19.99	-13.61
		30	1.108e+04	85.11	-1964.70	-1963.84	84.25	-41.77	13.66	-28.59	-23.89	8.96	-13.28
		27	1.084e+04	123.28	-1948.01	-1945.80	121.07	-67.54	14.70	-22.55	-20.23	12.37	-9.01
764	2	1051	1.330e+04	162.75	-2377.12	-2370.30	155.94	-131.40	16.70	-32.15	-25.29	9.84	-16.97
		1052	1.306e+04	106.73	-2399.72	-2396.16	103.17	-94.46	21.56	-26.21	-20.67	16.02	-15.29
		30	1.256e+04	107.04	-2199.09	-2195.21	103.17	-94.46	26.08	-23.47	-20.63	23.24	-11.52
		27	1.277e+04	163.34	-2176.76	-2169.36	155.94	-131.40	20.84	-29.03	-25.25	17.06	-13.19
764	3	1051	1.132e+04	117.70	-1980.00	-1977.79	115.49	-68.06	26.62	-18.32	-16.11	24.41	-9.71
		1052	1.151e+04	81.78	-1995.69	-1994.76	80.86	-43.82	25.85	-23.13	-19.13	21.85	-13.41
		30	1.089e+04	81.83	-1905.32	-1904.35	80.86	-43.82	16.56	-26.67	-22.47	12.36	-12.80
		27	1.068e+04	117.80	-1889.69	-1887.38	115.49	-68.06	17.19	-21.71	-19.44	14.93	-9.11
764	4	1051	1.132e+04	120.17	-1981.61	-1979.73	118.28	-62.92	26.54	-18.26	-16.09	24.37	-9.62
		1052	1.150e+04	81.48	-1998.72	-1998.07	80.83	-36.71	25.69	-23.17	-19.17	21.69	-13.39
		30	1.092e+04	81.51	-1919.44	-1918.76	80.83	-36.71	16.24	-26.82	-22.58	12.00	-12.82
		27	1.072e+04	120.24	-1902.37	-1900.42	118.28	-62.92	16.92	-21.74	-19.50	14.68	-9.05
764	5	1051	1.139e+04	124.02	-2009.94	-2007.90	121.97	-66.08	23.93	-19.90	-17.35	21.38	-10.26

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1052	1.151e+04	83.79	-2027.67	-2026.96	83.07	-38.85	23.82	-23.43	-19.29	19.68	-13.36
		30	1.104e+04	83.81	-1953.18	-1952.44	83.07	-38.85	16.24	-26.45	-22.40	12.19	-12.52
		27	1.091e+04	124.10	-1935.50	-1933.38	121.97	-66.08	16.29	-22.88	-20.46	13.88	-9.42
764	6	1051	1.145e+04	122.50	-2019.67	-2017.89	120.72	-61.73	25.72	-18.47	-16.42	23.66	-9.30
		1052	1.165e+04	84.47	-2036.56	-2035.95	83.86	-35.93	24.32	-24.27	-20.10	20.15	-13.61
		30	1.113e+04	84.49	-1976.51	-1975.88	83.86	-35.93	13.79	-28.64	-23.92	9.08	-13.34
		27	1.089e+04	122.55	-1959.66	-1957.82	120.72	-61.73	14.90	-22.56	-20.24	12.59	-9.03
764	7	1051	1.121e+04	119.05	-1963.61	-1961.81	117.25	-61.23	26.23	-18.00	-15.92	24.15	-9.36
		1052	1.139e+04	81.32	-1980.33	-1979.71	80.70	-35.65	25.21	-23.08	-19.12	21.25	-13.25
		30	1.085e+04	81.34	-1910.56	-1909.92	80.70	-35.65	15.55	-26.92	-22.64	11.27	-12.78
		27	1.064e+04	119.12	-1893.87	-1892.01	117.25	-61.23	16.37	-21.65	-19.44	14.17	-8.89
764	8	1051	8765.02	90.17	-1526.18	-1524.46	88.46	-52.64	21.27	-13.95	-12.29	19.61	-7.45
		1052	8906.40	63.08	-1538.00	-1537.26	62.34	-34.36	20.62	-17.70	-14.66	17.58	-10.36
		30	8425.57	63.11	-1469.24	-1468.47	62.34	-34.36	13.32	-20.49	-17.29	10.12	-9.90
		27	8265.71	90.25	-1457.47	-1455.67	88.46	-52.64	13.85	-16.63	-14.93	12.15	-6.99
764	9	1051	8036.54	87.15	-1421.88	-1420.40	85.67	-47.30	17.41	-13.25	-11.72	15.87	-6.69
		1052	8179.43	59.72	-1433.94	-1433.38	59.17	-28.76	16.60	-17.17	-14.19	13.62	-9.59
		30	7784.81	59.74	-1382.96	-1382.39	59.17	-28.76	9.47	-20.06	-16.75	6.17	-9.31
		27	7619.28	87.20	-1370.94	-1369.40	85.67	-47.30	10.11	-15.97	-14.28	8.42	-6.41
764	10	1051	7977.45	84.09	-1402.14	-1400.61	82.57	-47.59	18.04	-13.14	-11.53	16.43	-6.90
		1052	8106.65	57.89	-1413.61	-1413.00	57.28	-29.89	17.53	-16.53	-13.65	14.65	-9.47
		30	7674.94	57.92	-1349.97	-1349.34	57.28	-29.89	11.08	-18.99	-15.96	8.06	-9.04
		27	7529.53	84.16	-1338.54	-1336.95	82.57	-47.59	11.49	-15.50	-13.84	9.84	-6.47
764	11	1051	8049.05	86.76	-1424.18	-1422.89	85.47	-44.08	17.53	-13.23	-11.71	16.01	-6.67
		1052	8189.44	59.39	-1436.32	-1435.89	58.95	-25.51	16.68	-17.17	-14.19	13.71	-9.58
		30	7811.88	59.40	-1389.53	-1389.08	58.95	-25.51	9.55	-20.09	-16.77	6.23	-9.34
		27	7648.41	86.80	-1377.41	-1376.08	85.47	-44.08	10.22	-15.97	-14.29	8.54	-6.42
765	1	1050	1.051e+04	137.48	-1839.11	-1834.52	132.89	-95.09	28.16	-12.18	-11.60	27.57	-4.81
		1051	1.100e+04	75.78	-1864.76	-1863.25	74.27	-54.05	24.09	-23.64	-20.31	20.76	-12.16
		27	9972.05	75.88	-1745.12	-1743.51	74.27	-54.05	7.33	-29.68	-25.12	2.77	-12.17
		24	9360.67	137.78	-1719.67	-1714.79	132.89	-95.09	10.45	-17.27	-16.41	9.59	-4.82
765	2	1050	1.163e+04	161.80	-2075.61	-2063.42	149.61	-164.73	19.87	-21.78	-17.97	16.06	-12.00
		1051	1.190e+04	85.35	-2104.00	-2097.90	79.24	-115.47	21.85	-26.01	-20.49	16.33	-15.29
		27	1.102e+04	85.90	-1923.22	-1916.56	79.24	-115.47	15.31	-27.06	-22.96	11.21	-12.53
		24	1.075e+04	162.87	-1895.35	-1882.08	149.61	-164.73	13.46	-22.97	-20.45	10.94	-9.24
765	3	1050	1.035e+04	124.11	-1798.27	-1794.01	119.85	-90.42	28.83	-12.16	-11.41	28.08	-5.51
		1051	1.082e+04	69.65	-1820.93	-1819.37	68.10	-54.20	25.65	-22.60	-19.28	22.33	-12.22
		27	9757.19	69.77	-1688.79	-1687.12	68.10	-54.20	10.09	-27.82	-23.69	5.95	-11.82
		24	9192.87	124.43	-1666.34	-1661.76	119.85	-90.42	12.62	-16.74	-15.82	11.70	-5.11
765	4	1050	1.041e+04	136.62	-1804.23	-1799.88	132.26	-91.81	28.83	-12.11	-11.39	28.12	-5.36
		1051	1.086e+04	73.58	-1830.57	-1829.27	72.28	-49.82	25.51	-22.65	-19.36	22.21	-12.16
		27	9827.53	73.67	-1707.14	-1705.75	72.28	-49.82	9.78	-27.99	-23.83	5.61	-11.83
		24	9273.89	136.91	-1681.00	-1676.35	132.26	-91.81	12.42	-16.76	-15.87	11.52	-5.03
765	5	1050	1.046e+04	140.33	-1832.31	-1827.54	135.56	-96.86	26.36	-13.40	-12.50	25.46	-5.94
		1051	1.087e+04	75.39	-1859.24	-1857.75	73.90	-53.70	23.74	-22.91	-19.50	20.33	-12.15
		27	9931.90	75.50	-1735.62	-1734.02	73.90	-53.70	9.77	-27.74	-23.68	5.72	-11.64
		24	9442.10	140.65	-1708.89	-1703.81	135.56	-96.86	11.88	-17.71	-16.68	10.85	-5.43
765	6	1050	1.056e+04	139.84	-1843.85	-1839.70	135.69	-90.64	28.47	-12.17	-11.60	27.90	-4.76
		1051	1.103e+04	76.18	-1870.63	-1869.44	74.99	-48.15	24.29	-23.60	-20.30	21.00	-12.12
		27	1.004e+04	76.25	-1759.71	-1758.45	74.99	-48.15	7.60	-29.68	-25.14	3.05	-12.20
		24	9442.12	140.09	-1733.10	-1728.70	135.69	-90.64	10.82	-17.29	-16.44	9.96	-4.84
765	7	1050	1.032e+04	135.61	-1790.21	-1786.03	131.42	-89.66	28.65	-11.91	-11.27	28.00	-5.06
		1051	1.077e+04	73.42	-1816.29	-1815.05	72.19	-48.20	25.10	-22.52	-19.31	21.89	-11.94
		27	9771.02	73.50	-1700.37	-1699.06	72.19	-48.20	9.26	-28.01	-23.86	5.11	-11.73
		24	9217.46	135.87	-1674.49	-1670.03	131.42	-89.66	12.07	-16.66	-15.81	11.22	-4.85
765	8	1050	8014.02	94.33	-1385.93	-1382.71	91.11	-68.96	22.96	-9.24	-8.69	22.41	-4.19
		1051	8372.11	53.37	-1402.98	-1401.79	52.18	-41.70	20.47	-17.28	-14.76	17.96	-9.41
		27	7550.12	53.46	-1302.33	-1301.05	52.18	-41.70	8.30	-21.33	-18.22	5.19	-9.08
		24	7116.48	94.57	-1285.42	-1281.97	91.11	-68.96	10.30	-12.81	-12.15	9.64	-3.86
765	9	1050	7385.67	97.57	-1296.77	-1293.51	94.30	-67.41	19.25	-8.75	-8.30	18.79	-3.55
		1051	7726.50	53.35	-1315.15	-1314.09	52.29	-38.00	16.53	-16.75	-14.34	14.12	-8.62
		27	7004.84	53.42	-1228.24	-1227.11	52.29	-38.00	5.01	-20.89	-17.63	1.75	-8.60
		24	6577.70	97.79	-1210.01	-1206.53	94.30	-67.41	7.09	-12.25	-11.59	6.42	-3.53
765	10	1050	7295.35	90.14	-1274.09	-1271.00	87.06	-64.82	19.63	-8.75	-8.19	19.07	-3.93
		1051	7625.88	49.95	-1290.80	-1289.72	48.86	-38.08	17.39	-16.17	-13.76	14.99	-8.65
		27	6884.75	50.03	-1196.94	-1195.78	48.86	-38.08	6.54	-19.85	-16.83	3.52	-8.40
		24	6484.12	90.37	-1180.38	-1177.07	87.06	-64.82	8.29	-11.96	-11.26	7.60	-3.69
765	11	1050	7410.35	98.88	-1299.40	-1296.38	95.86	-64.94	19.42	-8.75	-8.30	18.98	-3.52
		1051	7742.44	53.57	-1318.41	-1317.53	52.69	-34.72	16.64	-16.72	-14.33	14.25	-8.60
		27	7041.83	53.63	-1236.34	-1235.41	52.69	-34.72	5.16	-20.89	-17.64	1.91	-8.61
		24	6622.79	99.07	-1217.47	-1214.26	95.86	-64.94	7.29	-12.27	-11.60	6.63	-3.54
766	1	1049	8787.74	124.68	-1515.61	-1509.37	118.44	-100.94	29.98	-5.73	-5.73	29.98	-0.09

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1050	9457.34	65.53	-1538.90	-1536.48	63.12	-62.21	22.76	-20.87	-18.49	20.38	-9.89
		24	8113.66	65.80	-1381.82	-1379.14	63.12	-62.21	1.55	-28.12	-24.04	-2.53	-10.22
		21	7177.79	125.34	-1358.93	-1352.03	118.44	-100.94	7.07	-11.28	-11.27	7.06	-0.43
766	2	1049	9227.83	120.65	-1659.26	-1645.40	106.79	-156.44	21.90	-11.13	-9.85	20.62	-6.37
		1050	9965.43	69.55	-1676.87	-1668.00	60.68	-124.16	20.53	-23.44	-18.61	15.70	-13.75
		24	8769.68	70.61	-1491.19	-1481.25	60.68	-124.16	5.87	-27.97	-22.90	0.80	-12.07
		21	7947.85	122.27	-1474.14	-1458.66	106.79	-156.44	6.77	-15.19	-14.14	5.72	-4.69
766	3	1049	8525.30	95.77	-1469.43	-1465.11	91.44	-82.18	29.62	-5.88	-5.85	29.59	-1.13
		1050	9193.30	54.79	-1486.01	-1484.03	52.81	-55.14	23.98	-19.83	-17.34	21.49	-10.14
		24	7885.03	55.00	-1333.79	-1331.60	52.81	-55.14	4.11	-26.17	-22.54	0.48	-9.84
		21	7017.81	96.23	-1317.46	-1312.67	91.44	-82.18	8.61	-11.08	-11.05	8.58	-0.82
766	4	1049	8716.89	133.19	-1484.84	-1478.26	126.61	-102.93	30.07	-5.79	-5.77	30.05	-0.85
		1050	9342.56	67.36	-1510.68	-1508.41	65.08	-59.86	23.89	-20.02	-17.59	21.46	-10.04
		24	8024.57	67.60	-1357.81	-1355.29	65.08	-59.86	3.84	-26.59	-22.83	0.08	-10.01
		21	7172.54	133.87	-1332.40	-1325.14	126.61	-102.93	8.70	-11.05	-11.01	8.67	-0.83
766	5	1049	8747.09	135.39	-1509.71	-1502.45	128.13	-109.02	28.01	-6.63	-6.58	27.96	-1.33
		1050	9362.30	68.31	-1535.73	-1533.07	65.65	-65.29	22.40	-20.29	-17.75	19.86	-10.09
		24	8100.58	68.61	-1377.97	-1375.02	65.65	-65.29	3.78	-26.52	-22.75	0.02	-9.99
		21	7285.99	136.16	-1352.43	-1344.40	128.13	-109.02	8.19	-11.66	-11.58	8.12	-1.23
766	6	1049	8888.24	136.69	-1522.60	-1516.28	130.38	-102.14	30.46	-5.77	-5.77	30.46	-8.86e-03
		1050	9519.05	69.54	-1549.21	-1547.12	67.45	-58.09	23.03	-20.79	-18.48	20.72	-9.79
		24	8215.07	69.75	-1400.53	-1398.23	67.45	-58.09	2.06	-28.07	-24.02	-1.98	-10.27
		21	7315.30	137.31	-1374.33	-1367.40	130.38	-102.14	7.77	-11.33	-11.32	7.76	-0.49
766	7	1049	8666.73	132.07	-1475.64	-1469.32	125.75	-100.60	30.07	-5.69	-5.68	30.06	-0.54
		1050	9279.55	67.12	-1501.26	-1499.11	64.97	-58.05	23.61	-19.87	-17.55	21.29	-9.77
		24	7985.73	67.34	-1353.29	-1350.92	64.97	-58.05	3.52	-26.53	-22.83	-0.17	-9.87
		21	7140.02	132.71	-1328.09	-1321.13	125.75	-100.60	8.62	-10.98	-10.96	8.60	-0.64
766	8	1049	6597.41	70.72	-1131.82	-1128.75	67.65	-60.71	23.45	-4.47	-4.44	23.43	-0.81
		1050	7108.76	41.31	-1143.80	-1142.36	39.87	-41.27	19.13	-15.12	-13.25	17.26	-7.78
		24	6096.30	41.47	-1028.53	-1026.94	39.87	-41.27	3.66	-19.97	-17.32	1.00	-7.47
		21	5436.17	71.05	-1016.73	-1013.33	67.65	-60.71	7.18	-8.52	-8.50	7.16	-0.50
766	9	1049	6168.77	89.67	-1068.35	-1063.77	85.09	-72.68	20.55	-4.14	-4.14	20.55	-0.25
		1050	6644.11	46.60	-1085.24	-1083.49	44.85	-44.50	15.60	-14.81	-13.07	13.85	-7.07
		24	5703.36	46.79	-972.74	-970.79	44.85	-44.50	0.95	-19.89	-16.89	-2.05	-7.31
		21	5042.45	90.16	-956.14	-951.07	85.09	-72.68	4.66	-7.98	-7.96	4.65	-0.49
766	10	1049	6023.32	73.57	-1042.66	-1039.18	70.09	-62.25	20.36	-4.23	-4.20	20.33	-0.82
		1050	6497.08	40.62	-1055.86	-1054.35	39.12	-40.58	16.28	-14.24	-12.43	14.47	-7.21
		24	5575.38	40.79	-946.05	-944.38	39.12	-40.58	2.35	-18.80	-16.06	-0.38	-7.09
		21	4953.18	73.95	-933.06	-929.20	70.09	-62.25	5.52	-7.88	-7.84	5.49	-0.71
766	11	1049	6224.37	96.34	-1072.23	-1067.61	91.72	-73.34	20.82	-4.16	-4.16	20.82	-0.20
		1050	6678.15	48.82	-1090.96	-1089.40	47.26	-42.22	15.74	-14.77	-13.06	14.04	-7.01
		24	5759.40	48.99	-983.13	-981.40	47.26	-42.22	1.23	-19.86	-16.88	-1.74	-7.34
		21	5118.64	96.81	-964.70	-959.61	91.72	-73.34	5.06	-8.01	-7.99	5.03	-0.52
767	1	1048	6328.78	64.90	-1047.62	-1046.40	63.69	-36.77	30.56	-0.14	0.51	29.91	4.41
		1049	6968.40	57.86	-1050.63	-1049.71	56.94	-32.04	20.32	-15.71	-14.34	18.95	-6.90
		21	5646.49	57.99	-915.89	-914.83	56.94	-32.04	-2.81	-23.36	-20.43	-5.74	-7.18
		1066	4627.35	65.07	-912.91	-911.53	63.69	-36.77	6.62	-6.98	-5.58	5.23	4.12
767	2	1048	6173.68	64.49	-1098.94	-1094.20	59.76	-74.06	23.53	-1.34	-1.33	23.52	-0.41
		1049	7106.83	54.87	-1102.54	-1098.55	50.88	-67.85	18.05	-18.27	-14.59	14.37	-10.96
		21	6029.26	55.37	-974.68	-970.19	50.88	-67.85	-1.40	-26.02	-20.40	-7.03	-10.34
		1066	4809.48	65.08	-971.16	-965.84	59.76	-74.06	2.13	-7.15	-7.14	2.12	0.21
767	3	1048	6259.43	105.17	-983.60	-982.92	104.49	-27.20	30.80	0.11	0.60	30.31	3.82
		1049	6752.65	62.71	-1003.40	-1003.39	62.71	2.04	21.21	-14.99	-13.53	19.74	-7.14
		21	5604.59	62.72	-914.38	-914.37	62.71	2.04	-1.07	-22.53	-19.59	-4.02	-7.39
		1066	4728.86	105.23	-894.64	-893.90	104.49	-27.20	7.53	-6.44	-5.46	6.55	3.57
767	4	1048	6256.70	67.16	-1035.90	-1034.15	65.40	-43.97	29.41	-0.42	-0.06	29.04	3.28
		1049	6907.55	62.03	-1038.03	-1036.54	60.53	-40.56	20.99	-14.94	-13.47	19.52	-7.13
		21	5615.32	62.24	-903.76	-902.05	60.53	-40.56	-0.35	-21.70	-19.16	-2.89	-6.92
		1066	4673.46	67.40	-901.66	-899.66	65.40	-43.97	7.55	-6.67	-5.75	6.63	3.49
767	5	1048	6246.60	66.48	-1052.10	-1049.94	64.32	-49.03	28.18	-0.73	-0.41	27.86	3.02
		1049	6917.10	61.70	-1054.04	-1052.15	59.82	-45.88	19.94	-15.22	-13.65	18.37	-7.26
		21	5657.67	61.98	-914.14	-911.98	59.82	-45.88	-0.61	-21.96	-19.23	-3.33	-7.13
		1066	4700.16	66.78	-912.24	-909.78	64.32	-49.03	6.93	-6.76	-5.99	6.16	3.15
767	6	1048	6457.82	71.10	-1066.16	-1064.53	69.47	-43.06	30.86	-0.37	0.25	30.24	4.34
		1049	7076.52	64.02	-1069.14	-1067.84	62.72	-38.33	20.67	-15.54	-14.25	19.38	-6.72
		21	5763.12	64.20	-932.25	-930.77	62.72	-38.33	-1.68	-22.93	-20.20	-4.41	-7.12
		1066	4783.59	71.33	-929.32	-927.46	69.47	-43.06	7.62	-6.88	-5.71	6.45	3.95
767	7	1048	6254.93	68.20	-1031.05	-1029.41	66.56	-42.44	29.68	-0.41	0.02	29.24	3.60
		1049	6877.83	62.15	-1033.58	-1032.23	60.80	-38.41	20.88	-14.81	-13.45	19.52	-6.83
		21	5598.25	62.33	-902.19	-900.66	60.80	-38.41	-0.49	-21.61	-19.16	-2.94	-6.77
		1066	4674.68	68.42	-899.70	-897.84	66.56	-42.44	7.78	-6.69	-5.68	6.78	3.67
767	8	1048	4868.16	84.72	-754.65	-754.24	84.32	-18.43	24.31	0.12	0.51	23.91	3.05

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		1049	5223.93	49.12	-771.56	-771.51	49.07	6.24	16.90	-11.40	-10.32	15.82	-5.41
		21	4344.99	49.12	-708.64	-708.58	49.07	6.24	-0.44	-17.16	-15.05	-2.55	-5.55
		1066	3699.82	84.75	-691.75	-691.32	84.32	-18.43	6.35	-5.02	-4.22	5.54	2.92
767	9	1048	4429.43	45.87	-739.56	-738.54	44.85	-28.30	21.01	-0.13	0.28	20.60	2.90
		1049	4895.95	41.13	-741.56	-740.76	40.32	-25.13	13.92	-11.19	-10.15	12.88	-5.00
		21	3972.04	41.24	-644.20	-643.28	40.32	-25.13	-2.09	-16.60	-14.37	-4.32	-5.24
		1066	3234.87	46.01	-642.23	-641.06	44.85	-28.30	4.26	-4.81	-3.94	3.40	2.67
767	10	1048	4389.68	68.20	-703.95	-703.27	67.52	-22.98	21.14	0.01	0.33	20.82	2.58
		1049	4774.36	43.58	-715.08	-715.03	43.53	-6.19	14.42	-10.79	-9.70	13.32	-5.13
		21	3946.14	43.58	-643.08	-643.02	43.53	-6.19	-1.12	-16.14	-13.90	-3.37	-5.35
		1066	3290.02	68.27	-632.02	-631.27	67.52	-22.98	4.78	-4.52	-3.88	4.13	2.36
767	11	1048	4501.50	49.33	-749.88	-748.61	48.06	-31.79	21.18	-0.26	0.13	20.79	2.87
		1049	4955.86	44.56	-751.86	-750.83	43.53	-28.62	14.12	-11.09	-10.10	13.12	-4.90
		21	4036.22	44.71	-653.31	-652.13	43.53	-28.62	-1.47	-16.36	-14.24	-3.58	-5.20
		1066	3321.89	49.51	-651.36	-649.91	48.06	-31.79	4.82	-4.76	-4.01	4.08	2.57
768	1	166	3021.62	-90.53	-499.01	-466.95	-122.59	109.85	19.98	0.72	2.43	18.27	5.47
		1048	3027.88	-27.22	-428.54	-422.96	-32.80	47.01	13.79	-6.46	-6.09	13.42	-2.72
		1066	2415.34	-25.64	-341.20	-334.04	-32.80	47.01	1.44	-11.10	-11.08	1.42	-0.45
		165	2737.74	-81.84	-418.78	-378.03	-122.59	109.85	10.77	-7.06	-2.57	6.28	7.74
768	2	166	2400.64	-135.53	-512.51	-484.44	-163.61	98.97	14.90	2.11	2.41	14.60	1.94
		1048	2945.43	-44.61	-427.15	-426.46	-45.29	16.15	11.92	-8.96	-6.52	9.48	-6.71
		1066	2353.56	-44.39	-335.43	-334.53	-45.29	16.15	-1.20	-13.56	-11.80	-2.96	-4.32
		165	2180.82	-126.75	-429.36	-392.50	-163.61	98.97	4.65	-5.36	-2.87	2.16	4.33
768	3	166	2989.67	-93.83	-520.66	-494.02	-120.48	103.27	18.61	0.62	1.70	17.53	4.27
		1048	3160.16	-14.31	-445.21	-443.05	-16.47	30.46	14.40	-6.08	-5.61	13.94	-3.05
		1066	2469.42	-13.53	-332.62	-329.68	-16.47	30.46	4.02	-10.13	-10.12	4.01	-0.41
		165	2682.16	-84.47	-416.65	-380.65	-120.48	103.27	11.05	-6.25	-2.81	7.61	6.91
768	4	166	2903.40	-95.20	-497.35	-469.43	-123.12	102.22	18.68	0.64	1.79	17.53	4.40
		1048	3012.00	-26.60	-427.29	-423.83	-30.06	37.07	14.18	-5.90	-5.45	13.74	-2.96
		1066	2458.16	-25.65	-341.82	-337.41	-30.06	37.07	3.89	-10.08	-10.07	3.88	-0.46
		165	2682.41	-87.74	-418.39	-383.01	-123.12	102.22	11.09	-6.25	-2.82	7.67	6.91
768	5	166	2879.62	-101.41	-501.48	-473.97	-128.91	101.23	18.59	0.78	1.96	17.42	4.42
		1048	2995.80	-29.70	-429.65	-426.77	-32.58	33.80	13.67	-6.17	-5.65	13.15	-3.17
		1066	2426.07	-28.88	-341.55	-337.85	-32.58	33.80	3.04	-10.39	-10.33	2.98	-0.89
		165	2625.48	-93.73	-420.23	-385.05	-128.91	101.23	10.60	-6.09	-2.72	7.24	6.69
768	6	166	3128.75	-98.41	-517.01	-488.75	-126.68	105.04	20.75	0.63	2.25	19.14	5.47
		1048	3149.14	-27.89	-445.64	-442.08	-31.45	38.38	14.47	-6.26	-5.96	14.18	-2.45
		1066	2523.48	-26.84	-350.86	-346.25	-31.45	38.38	3.31	-10.76	-10.74	3.29	-0.50
		165	2782.89	-90.23	-429.37	-392.92	-126.68	105.04	12.04	-6.32	-2.53	8.25	7.43
768	7	166	2952.92	-94.19	-498.35	-470.54	-122.00	102.30	19.13	0.57	1.84	17.86	4.69
		1048	3030.26	-25.82	-428.64	-425.13	-29.32	37.43	14.28	-5.83	-5.46	13.92	-2.68
		1066	2471.25	-24.84	-341.88	-337.40	-29.32	37.43	4.07	-10.06	-10.05	4.06	-0.30
		165	2712.20	-86.66	-418.15	-382.81	-122.00	102.30	11.51	-6.26	-2.75	8.00	7.07
768	8	166	2338.97	-70.77	-405.14	-384.27	-91.64	80.89	14.41	0.36	1.17	13.60	3.28
		1048	2470.75	-8.94	-346.35	-344.60	-10.69	24.22	11.47	-4.52	-4.20	11.16	-2.23
		1066	1948.83	-8.32	-258.51	-256.14	-10.69	24.22	3.84	-7.64	-7.64	3.84	-0.02
		165	2126.35	-63.48	-323.97	-295.81	-91.64	80.89	8.97	-4.95	-2.27	6.28	5.49
768	9	166	2096.79	-66.39	-351.37	-329.79	-87.97	75.38	13.91	0.62	1.76	12.77	3.73
		1048	2119.61	-20.43	-301.67	-298.33	-23.76	30.44	9.45	-4.68	-4.37	9.14	-2.08
		1066	1677.96	-19.45	-238.68	-234.37	-23.76	30.44	0.65	-7.92	-7.87	0.60	-0.62
		165	1871.42	-60.32	-293.48	-265.83	-87.97	75.38	7.23	-4.74	-1.74	4.23	5.19
768	10	166	2079.17	-68.20	-363.43	-344.83	-86.80	71.72	13.15	0.57	1.36	12.36	3.06
		1048	2194.12	-13.16	-311.02	-309.50	-14.69	21.25	9.80	-4.48	-4.10	9.43	-2.27
		1066	1705.35	-12.63	-234.01	-231.95	-14.69	21.25	2.08	-7.37	-7.34	2.04	-0.60
		165	1840.08	-61.77	-292.31	-267.28	-86.80	71.72	7.39	-4.29	-1.87	4.97	4.73
768	11	166	2156.68	-70.75	-361.40	-341.90	-90.24	72.71	14.34	0.57	1.66	13.25	3.73
		1048	2186.89	-20.73	-311.24	-308.96	-23.01	25.65	9.83	-4.56	-4.30	9.56	-1.94
		1066	1737.14	-20.04	-244.13	-241.15	-23.01	25.65	1.69	-7.73	-7.68	1.64	-0.65
		165	1895.79	-64.96	-299.38	-274.10	-90.24	72.71	7.93	-4.33	-1.72	5.32	5.02
769	1	1038	3224.90	-71.46	-393.41	-387.16	-77.71	44.43	-6.88	-30.81	-15.70	-21.99	-11.55
		190	1873.64	-42.13	-371.61	-370.34	-43.40	20.41	-0.75	-9.18	-0.75	-9.18	-0.13
		168	1719.59	-42.07	-356.68	-355.35	-43.40	20.41	12.58	4.77	5.14	12.20	1.68
		1056	2619.01	-71.15	-378.72	-372.16	-77.71	44.43	5.56	-15.97	-9.80	-0.61	-9.73
769	2	1038	4132.39	-106.37	-407.63	-396.03	-117.97	57.95	-9.79	-42.56	-20.12	-32.23	-15.23
		190	2141.27	-85.75	-387.87	-382.76	-90.87	38.98	1.57	-11.04	1.57	-11.03	-0.32
		168	2413.60	-86.50	-438.91	-434.54	-90.87	38.98	20.05	5.43	8.20	17.29	5.73
		1056	2982.35	-108.08	-457.70	-447.82	-117.97	57.95	1.66	-19.05	-13.49	-3.91	-9.18
769	3	1038	3178.00	-73.30	-440.40	-431.14	-82.56	57.57	-7.37	-28.61	-15.89	-20.08	-10.41
		190	1881.88	-29.06	-406.66	-405.49	-30.23	20.94	-0.62	-7.23	-0.83	-7.02	1.16
		168	2068.12	-28.91	-363.49	-362.17	-30.23	20.94	15.80	4.36	5.25	14.91	3.07
		1056	2624.98	-72.07	-398.32	-387.82	-82.56	57.57	6.33	-14.29	-9.81	1.85	-8.51
769	4	1038	3073.18	-63.36	-418.77	-408.43	-73.70	59.74	-7.21	-28.23	-15.62	-19.82	-10.30

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		190	1816.53	-32.76	-392.98	-389.88	-35.85	33.24	-0.67	-7.37	-0.84	-7.20	1.06
		168	2036.62	-32.57	-372.76	-369.48	-35.85	33.24	14.98	4.32	5.10	14.20	2.76
		1056	2617.52	-62.73	-398.99	-388.02	-73.70	59.74	6.22	-14.32	-9.68	1.58	-8.59
769	5	1038	3272.03	-71.28	-399.26	-390.69	-79.84	52.31	-7.51	-31.65	-16.31	-22.85	-11.62
		190	1885.98	-44.42	-377.21	-374.61	-47.02	29.33	-0.37	-8.82	-0.38	-8.81	0.29
		168	1910.69	-44.39	-373.19	-370.56	-47.02	29.33	14.53	4.79	5.62	13.69	2.73
		1056	2649.72	-71.17	-395.31	-386.64	-79.84	52.31	5.12	-15.78	-10.31	-0.34	-9.18
769	6	1038	3208.04	-70.24	-394.47	-387.12	-77.59	48.26	-6.85	-30.76	-15.67	-21.95	-11.54
		190	1875.28	-43.65	-373.55	-371.49	-45.71	25.95	-0.77	-9.21	-0.77	-9.20	-0.16
		168	1727.28	-43.57	-361.52	-359.39	-45.71	25.95	12.45	4.75	5.11	12.09	1.62
		1056	2615.86	-69.95	-382.64	-375.01	-77.59	48.26	5.55	-16.00	-9.79	-0.65	-9.76
769	7	1038	3093.69	-65.42	-398.86	-390.18	-74.09	53.09	-7.07	-29.19	-15.51	-20.74	-10.74
		190	1813.96	-36.78	-375.54	-373.10	-39.23	28.68	-0.67	-8.06	-0.71	-8.02	0.55
		168	1881.93	-36.67	-361.24	-358.68	-39.23	28.68	13.91	4.48	5.13	13.27	2.38
		1056	2573.15	-65.02	-384.84	-375.77	-74.09	53.09	5.70	-14.84	-9.68	0.54	-8.91
769	8	1038	2447.70	-56.87	-341.28	-334.18	-63.97	44.36	-5.66	-21.93	-12.22	-15.36	-7.98
		190	1452.41	-21.60	-314.61	-313.81	-22.40	15.26	-0.50	-5.55	-0.67	-5.38	0.91
		168	1590.49	-21.49	-278.56	-277.65	-22.40	15.26	12.15	3.35	4.02	11.48	2.34
		1056	2019.08	-55.85	-306.14	-298.02	-63.97	44.36	4.94	-10.98	-7.53	1.49	-6.56
769	9	1038	2273.98	-50.00	-281.22	-276.35	-54.88	33.21	-4.95	-21.67	-11.16	-15.46	-8.08
		190	1322.07	-29.21	-265.40	-264.31	-30.30	16.01	-0.50	-6.28	-0.50	-6.28	0.05
		168	1262.19	-29.16	-255.41	-254.28	-30.30	16.01	9.31	3.35	3.69	8.96	1.39
		1056	1855.59	-49.78	-271.41	-266.32	-54.88	33.21	3.94	-11.13	-6.98	-0.22	-6.74
769	10	1038	2248.19	-51.00	-307.36	-300.78	-57.57	40.51	-5.23	-20.45	-11.27	-14.40	-7.45
		190	1326.65	-21.97	-284.85	-283.83	-22.98	16.30	-0.41	-5.21	-0.54	-5.08	0.77
		168	1457.19	-21.85	-259.19	-258.07	-22.98	16.30	11.11	3.11	3.75	10.47	2.16
		1056	1861.17	-50.27	-282.32	-275.02	-57.57	40.51	4.38	-10.21	-6.98	1.15	-6.05
769	11	1038	2264.77	-49.31	-281.83	-276.33	-54.81	35.34	-4.94	-21.64	-11.15	-15.43	-8.07
		190	1322.75	-30.03	-266.50	-264.95	-31.58	19.08	-0.51	-6.29	-0.51	-6.29	0.03
		168	1266.72	-29.97	-258.13	-256.52	-31.58	19.08	9.24	3.34	3.67	8.91	1.36
		1056	1854.15	-49.10	-273.61	-267.90	-54.81	35.34	3.94	-11.15	-6.97	-0.23	-6.75
770	1	1037	6223.61	-45.63	-1030.40	-1028.71	-47.32	-40.78	-9.02	-41.22	-23.00	-27.24	-15.96
		1038	4261.26	-7.02	-1015.42	-1011.08	-11.35	-65.96	-3.40	-13.98	-4.97	-12.41	-3.75
		1056	4951.34	-7.06	-1025.80	-1021.51	-11.35	-65.96	15.62	0.57	0.64	15.55	-1.05
		1055	6280.56	-45.65	-1040.81	-1039.13	-47.32	-40.78	7.72	-24.39	-17.39	0.73	-13.26
770	2	1037	7219.75	-52.99	-1126.60	-1126.36	-53.22	-15.80	-14.87	-56.99	-29.11	-42.75	-19.93
		1038	5165.15	-7.66	-1106.96	-1105.00	-9.62	-46.32	-3.25	-20.37	-4.36	-19.26	-4.21
		1056	5378.50	-7.78	-1175.66	-1173.82	-9.62	-46.32	16.14	1.40	2.02	15.52	2.96
		1055	6899.24	-53.00	-1195.41	-1195.19	-53.22	-15.80	-0.61	-30.08	-22.73	-7.97	-12.75
770	3	1037	6293.49	-43.61	-1060.49	-1059.68	-44.43	-28.81	-9.82	-40.65	-23.67	-26.80	-15.34
		1038	4324.53	-12.73	-1047.66	-1045.30	-15.09	-49.35	-3.76	-11.59	-4.50	-10.86	-2.29
		1056	5111.94	-12.68	-1025.61	-1023.20	-15.09	-49.35	19.81	1.64	1.66	19.78	0.70
		1055	6341.23	-43.60	-1038.41	-1037.57	-44.43	-28.81	9.48	-23.15	-17.50	3.83	-12.34
770	4	1037	6229.35	-43.44	-1048.13	-1047.53	-44.05	-24.60	-9.65	-40.46	-23.50	-26.60	-15.33
		1038	4275.16	-6.36	-1032.60	-1030.23	-8.73	-49.32	-3.75	-11.70	-4.59	-10.86	-2.44
		1056	5103.15	-6.34	-1023.46	-1021.07	-8.73	-49.32	19.28	1.48	1.49	19.27	0.51
		1055	6315.69	-43.44	-1038.98	-1038.37	-44.05	-24.60	9.27	-23.17	-17.43	3.53	-12.38
770	5	1037	6309.04	-44.44	-1040.73	-1039.84	-45.33	-29.74	-10.21	-43.13	-23.97	-29.37	-16.24
		1038	4376.14	-5.46	-1024.83	-1021.79	-8.49	-55.52	-3.50	-14.10	-4.65	-12.96	-3.29
		1056	5010.70	-5.49	-1035.48	-1032.48	-8.49	-55.52	16.90	1.24	1.24	16.90	0.17
		1055	6317.65	-44.45	-1051.40	-1050.53	-45.33	-29.74	6.99	-24.60	-18.09	0.48	-12.78
770	6	1037	6211.05	-45.93	-1031.11	-1029.79	-47.25	-35.96	-8.99	-41.20	-22.99	-27.20	-15.97
		1038	4265.46	-6.65	-1015.55	-1011.76	-10.44	-61.72	-3.40	-14.00	-4.99	-12.41	-3.78
		1056	4960.12	-6.70	-1027.91	-1024.17	-10.44	-61.72	15.57	0.53	0.61	15.49	-1.09
		1055	6278.61	-45.95	-1043.50	-1042.20	-47.25	-35.96	7.72	-24.41	-17.39	0.70	-13.27
770	7	1037	6137.35	-44.36	-1022.15	-1021.25	-45.25	-29.50	-9.47	-40.68	-23.12	-27.04	-15.48
		1038	4219.78	-6.41	-1006.68	-1003.69	-9.40	-54.59	-3.52	-12.67	-4.58	-11.61	-2.93
		1056	4945.97	-6.41	-1007.00	-1004.02	-9.40	-54.59	17.58	1.26	1.26	17.58	0.02
		1055	6196.25	-44.36	-1022.47	-1021.58	-45.25	-29.50	8.29	-23.43	-17.28	2.15	-12.54
770	8	1037	4850.13	-33.45	-817.77	-817.12	-34.11	-22.66	-7.52	-31.22	-18.21	-20.53	-11.79
		1038	3330.47	-10.36	-808.18	-806.37	-12.17	-38.02	-2.90	-8.86	-3.46	-8.30	-1.74
		1056	3940.45	-10.32	-789.39	-787.53	-12.17	-38.02	15.37	1.28	1.30	15.35	0.52
		1055	4888.85	-33.44	-798.95	-798.27	-34.11	-22.66	7.46	-17.80	-13.45	3.12	-9.53
770	9	1037	4411.68	-32.28	-731.89	-730.87	-33.30	-26.64	-6.53	-29.25	-16.39	-19.39	-11.26
		1038	3025.63	-4.86	-721.09	-718.30	-7.65	-44.60	-2.45	-9.69	-3.46	-8.68	-2.51
		1056	3520.26	-4.88	-726.92	-724.15	-7.65	-44.60	11.43	0.54	0.57	11.41	-0.50
		1055	4448.90	-32.29	-737.73	-736.72	-33.30	-26.64	5.49	-17.16	-12.37	0.70	-9.25
770	10	1037	4450.63	-31.13	-748.64	-748.08	-31.69	-19.99	-6.98	-28.93	-16.77	-19.15	-10.91
		1038	3060.72	-8.01	-739.03	-737.31	-9.72	-35.37	-2.65	-8.37	-3.20	-7.82	-1.69
		1056	3611.45	-7.98	-726.84	-725.09	-9.72	-35.37	13.78	1.12	1.13	13.76	0.47
		1055	4483.21	-31.12	-736.42	-735.86	-31.69	-19.99	6.47	-16.47	-12.43	2.43	-8.74
770	11	1037	4404.80	-32.43	-732.30	-731.47	-33.26	-23.96	-6.52	-29.24	-16.39	-19.37	-11.26

		1038	3027.88	-4.64	-721.18	-718.68	-7.14	-42.24	-2.45	-9.70	-3.47	-8.68	-2.52
		1056	3525.32	-4.67	-728.11	-725.63	-7.14	-42.24	11.40	0.52	0.55	11.37	-0.52
		1055	4447.98	-32.44	-739.24	-738.43	-33.26	-23.96	5.49	-17.17	-12.37	0.69	-9.26
771	1	1036	8319.76	1.02	-1515.01	-1508.96	-5.03	-95.62	-6.61	-39.77	-24.80	-21.58	-16.50
		1037	6944.93	30.24	-1504.44	-1495.87	21.67	-114.31	-3.50	-18.95	-11.27	-11.18	-7.73
		1055	7679.37	29.96	-1554.46	-1546.17	21.67	-114.31	11.49	-9.51	-7.58	9.56	-6.07
		1054	8790.43	0.83	-1565.12	-1559.26	-5.03	-95.62	7.00	-28.95	-21.11	-0.84	-14.84
771	2	1036	9512.26	15.27	-1690.07	-1686.88	12.07	-73.75	-16.57	-59.67	-33.04	-43.21	-20.94
		1037	7342.93	44.85	-1678.34	-1673.29	39.80	-93.16	-8.01	-28.14	-12.34	-23.81	-8.27
		1055	8232.29	44.56	-1781.96	-1777.20	39.80	-93.16	5.26	-7.96	-7.60	4.89	-2.16
		1054	9746.55	15.08	-1793.80	-1790.79	12.07	-73.75	-5.04	-37.76	-28.29	-14.50	-14.83
771	3	1036	8441.65	3.92	-1535.51	-1530.54	-1.05	-87.30	-7.40	-40.46	-25.76	-22.09	-16.43
		1037	6930.81	27.66	-1526.62	-1519.81	20.85	-102.63	-3.79	-16.66	-10.53	-9.92	-6.43
		1055	7703.58	27.59	-1541.94	-1535.20	20.85	-102.63	15.38	-6.91	-6.07	14.54	-4.24
		1054	8856.03	3.87	-1550.85	-1545.93	-1.05	-87.30	9.04	-27.98	-21.30	2.37	-14.23
771	4	1036	8383.40	1.24	-1525.83	-1521.44	-3.16	-81.82	-7.31	-40.34	-25.64	-22.01	-16.42
		1037	6891.16	27.17	-1516.01	-1509.68	20.84	-98.62	-3.76	-16.83	-10.59	-10.00	-6.53
		1055	7683.23	27.07	-1539.93	-1533.70	20.84	-98.62	15.05	-7.08	-6.17	14.14	-4.39
		1054	8822.83	1.17	-1549.79	-1545.46	-3.16	-81.82	8.91	-28.00	-21.23	2.14	-14.28
771	5	1036	8387.45	2.68	-1524.95	-1520.23	-2.04	-84.78	-8.43	-42.27	-25.99	-24.71	-16.91
		1037	6875.17	30.49	-1514.52	-1507.66	23.62	-102.74	-4.52	-19.13	-11.03	-12.62	-7.26
		1055	7639.63	30.29	-1558.93	-1552.26	23.62	-102.74	11.76	-8.20	-6.93	10.49	-4.88
		1054	8809.00	2.55	-1569.42	-1564.84	-2.04	-84.78	5.98	-29.46	-21.89	-1.59	-14.52
771	6	1036	8308.43	-0.04	-1515.40	-1509.98	-5.46	-90.46	-6.58	-39.75	-24.79	-21.54	-16.50
		1037	6940.99	29.56	-1504.52	-1496.67	21.70	-109.47	-3.48	-18.98	-11.29	-11.18	-7.75
		1055	7684.65	29.30	-1556.76	-1549.17	21.70	-109.47	11.47	-9.56	-7.60	9.52	-6.10
		1054	8789.34	-0.22	-1567.72	-1562.48	-5.46	-90.46	7.01	-28.96	-21.11	-0.85	-14.86
771	7	1036	8220.64	-0.10	-1494.59	-1489.84	-4.86	-84.19	-7.30	-40.11	-25.13	-22.27	-16.34
		1037	6760.02	27.31	-1484.35	-1477.45	20.42	-101.88	-3.80	-17.55	-10.58	-10.76	-6.87
		1055	7531.56	27.16	-1519.75	-1513.01	20.42	-101.88	13.36	-7.64	-6.47	12.19	-4.83
		1054	8663.96	-0.21	-1530.04	-1525.39	-4.86	-84.19	7.78	-28.12	-21.02	0.68	-14.30
771	8	1036	6509.44	3.22	-1183.40	-1179.49	-0.69	-67.97	-5.62	-31.09	-19.84	-16.87	-12.65
		1037	5343.17	21.35	-1176.62	-1171.30	16.03	-79.67	-2.86	-12.74	-8.08	-7.51	-4.93
		1055	5943.12	21.30	-1187.57	-1182.29	16.03	-79.67	12.06	-5.27	-4.63	11.42	-3.27
		1054	6833.13	3.18	-1194.35	-1190.48	-0.69	-67.97	7.19	-21.51	-16.39	2.06	-10.99
771	9	1036	5897.27	0.68	-1074.27	-1070.25	-3.34	-65.57	-4.89	-28.36	-17.71	-15.55	-11.69
		1037	4906.88	20.96	-1066.85	-1061.14	15.25	-78.58	-2.59	-13.25	-7.92	-7.93	-5.33
		1055	5427.89	20.80	-1099.27	-1093.73	15.25	-78.58	8.36	-6.43	-5.22	7.15	-4.05
		1054	6219.62	0.56	-1106.73	-1102.84	-3.34	-65.57	4.96	-20.43	-15.01	-0.47	-10.41
771	10	1036	5965.07	2.30	-1085.67	-1082.24	-1.13	-60.95	-5.33	-28.74	-18.24	-15.83	-11.64
		1037	4899.43	19.55	-1079.19	-1074.44	14.80	-72.10	-2.76	-11.98	-7.51	-7.23	-4.61
		1055	5442.44	19.49	-1092.33	-1087.63	14.80	-72.10	10.53	-5.00	-4.38	9.92	-3.03
		1054	6256.12	2.26	-1098.82	-1095.44	-1.13	-60.95	6.09	-19.89	-15.12	1.31	-10.07
771	11	1036	5891.02	0.10	-1074.49	-1070.82	-3.57	-62.71	-4.88	-28.35	-17.70	-15.53	-11.69
		1037	4904.81	20.59	-1066.91	-1061.58	15.27	-75.90	-2.58	-13.27	-7.93	-7.93	-5.34
		1055	5430.97	20.43	-1100.56	-1095.39	15.27	-75.90	8.35	-6.46	-5.23	7.12	-4.07
		1054	6219.10	-0.01	-1108.19	-1104.63	-3.57	-62.71	4.96	-20.44	-15.01	-0.47	-10.42
772	1	1035	9770.67	47.07	-1848.80	-1843.51	41.78	-100.01	-2.97	-36.17	-24.64	-14.49	-15.80
		1036	9022.01	82.24	-1835.45	-1827.55	74.35	-122.81	-1.05	-23.89	-16.35	-8.59	-10.74
		1054	9563.99	82.05	-1882.66	-1874.95	74.35	-122.81	7.93	-18.92	-14.54	3.55	-9.92
		1053	1.023e+04	46.94	-1896.07	-1890.91	41.78	-100.01	5.56	-30.74	-22.83	-2.35	-14.99
772	2	1035	1.131e+04	91.36	-2118.77	-2115.13	87.72	-89.59	-17.88	-61.06	-35.70	-43.25	-21.26
		1036	9685.39	119.73	-2107.32	-2102.04	114.45	-108.29	-11.09	-35.14	-18.86	-27.38	-11.24
		1054	1.041e+04	119.53	-2194.38	-2189.30	114.45	-108.29	-1.42	-17.90	-15.31	-4.01	-6.00
		1053	1.167e+04	91.22	-2205.90	-2202.40	87.72	-89.59	-8.86	-43.16	-32.15	-19.88	-16.01
772	3	1035	9896.99	50.51	-1861.11	-1856.19	45.59	-96.85	-3.82	-37.79	-25.80	-15.81	-16.23
		1036	8968.02	80.02	-1849.76	-1842.75	73.01	-116.05	-1.16	-22.02	-15.44	-7.74	-9.69
		1054	9509.85	79.98	-1861.13	-1854.17	73.01	-116.05	11.59	-15.48	-12.71	8.83	-8.20
		1053	1.030e+04	50.48	-1872.50	-1867.61	45.59	-96.85	7.79	-30.11	-23.07	0.75	-14.74
772	4	1035	9838.48	46.81	-1852.81	-1848.56	42.56	-89.71	-3.74	-37.68	-25.67	-15.74	-16.23
		1036	8927.39	78.04	-1840.63	-1834.29	71.70	-110.11	-1.12	-22.15	-15.48	-7.80	-9.79
		1054	9486.45	77.98	-1859.50	-1853.22	71.70	-110.11	11.33	-15.68	-12.80	8.45	-8.33
		1053	1.026e+04	46.76	-1871.70	-1867.50	42.56	-89.71	7.63	-30.11	-23.00	0.51	-14.76
772	5	1035	9801.65	49.18	-1857.03	-1852.74	44.90	-90.31	-5.40	-38.97	-25.97	-18.40	-16.36
		1036	8913.44	82.57	-1844.03	-1837.49	76.02	-112.10	-2.81	-24.14	-16.15	-10.80	-10.32
		1054	9473.31	82.44	-1882.70	-1876.29	76.02	-112.10	7.72	-17.46	-13.85	4.11	-8.84
		1053	1.024e+04	49.10	-1895.74	-1891.54	44.90	-90.31	4.38	-31.54	-23.66	-3.50	-14.87
772	6	1035	9759.56	45.50	-1849.06	-1844.35	40.79	-94.35	-2.93	-36.13	-24.63	-14.43	-15.80
		1036	9016.17	81.21	-1835.33	-1828.09	73.97	-117.58	-1.02	-23.91	-16.36	-8.57	-10.76
		1054	9568.64	81.03	-1885.35	-1878.30	73.97	-117.58	7.92	-18.97	-14.56	3.52	-9.95
		1053	1.023e+04	45.38	-1899.15	-1894.56	40.79	-94.35	5.57	-30.75	-22.83	-2.35	-15.00
772	7	1035	9637.20	44.67	-1818.68	-1814.33	40.32	-89.88	-3.89	-37.09	-25.11	-15.87	-15.95

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		1036	8768.96	77.53	-1805.93	-1799.33	70.93	-111.30	-1.45	-22.53	-15.46	-8.52	-9.96
		1054	9334.14	77.42	-1837.77	-1831.28	70.93	-111.30	9.74	-16.38	-13.10	6.46	-8.65
		1053	1.008e+04	44.59	-1850.55	-1846.28	40.32	-89.88	6.46	-30.09	-22.75	-0.88	-14.64
772	8	1035	7634.20	39.00	-1434.15	-1430.26	35.12	-75.55	-2.81	-29.05	-19.87	-12.00	-12.52
		1036	6914.18	61.68	-1425.45	-1419.94	56.17	-90.29	-0.76	-16.85	-11.84	-5.77	-7.45
		1054	7338.65	61.64	-1434.03	-1428.56	56.17	-90.29	9.21	-11.84	-9.73	7.10	-6.32
		1053	7950.44	38.98	-1442.74	-1438.87	35.12	-75.55	6.26	-23.15	-17.75	0.87	-11.38
772	9	1035	6920.39	33.41	-1309.73	-1306.17	29.86	-68.97	-2.38	-25.91	-17.61	-10.68	-11.24
		1036	6370.46	57.77	-1300.42	-1295.10	52.46	-84.79	-0.92	-16.81	-11.51	-6.22	-7.49
		1054	6748.50	57.66	-1329.95	-1324.75	52.46	-84.79	5.76	-13.04	-10.13	2.85	-6.80
		1053	7236.60	33.33	-1339.30	-1335.82	29.86	-68.97	3.91	-21.76	-16.23	-1.61	-10.55
772	10	1035	6990.75	35.33	-1316.57	-1313.22	31.98	-67.22	-2.86	-26.81	-18.26	-11.41	-11.48
		1036	6340.63	56.54	-1308.37	-1303.55	51.72	-81.04	-0.98	-15.76	-11.00	-5.74	-6.91
		1054	6718.88	56.51	-1318.00	-1313.20	51.72	-81.04	7.80	-11.13	-9.11	5.78	-5.84
		1053	7272.36	35.30	-1326.20	-1322.88	31.98	-67.22	5.15	-21.40	-16.36	0.11	-10.41
772	11	1035	6914.22	32.55	-1309.88	-1306.64	29.31	-65.83	-2.36	-25.89	-17.61	-10.65	-11.24
		1036	6367.29	57.21	-1300.36	-1295.40	52.25	-81.89	-0.90	-16.82	-11.52	-6.20	-7.50
		1054	6751.20	57.10	-1331.46	-1326.61	52.25	-81.89	5.75	-13.06	-10.14	2.83	-6.82
		1053	7236.58	32.47	-1341.01	-1337.85	29.31	-65.83	3.92	-21.76	-16.23	-1.61	-10.56
773	1	1034	1.047e+04	81.78	-2013.63	-2009.33	77.49	-94.76	1.10	-30.86	-22.71	-7.05	-13.93
		1035	1.022e+04	97.63	-2007.31	-2002.04	92.36	-105.17	1.73	-27.14	-19.78	-5.63	-12.59
		1053	1.050e+04	97.55	-2038.71	-2033.52	92.36	-105.17	4.40	-26.31	-19.77	-2.14	-12.57
		1052	1.075e+04	81.72	-2045.04	-2040.81	77.49	-94.76	3.76	-30.02	-22.70	-3.56	-13.92
773	2	1034	1.244e+04	116.22	-2423.22	-2419.96	112.96	-90.88	-18.09	-58.78	-35.96	-40.90	-20.19
		1035	1.138e+04	152.94	-2408.12	-2402.92	147.74	-115.23	-13.45	-40.39	-24.16	-29.68	-13.18
		1053	1.176e+04	152.87	-2442.39	-2437.26	147.74	-115.23	-6.83	-27.60	-21.61	-12.82	-9.41
		1052	1.266e+04	116.17	-2457.52	-2454.30	112.96	-90.88	-11.65	-45.80	-33.41	-24.05	-16.42
773	3	1034	1.057e+04	85.00	-2018.78	-2014.36	80.58	-96.36	0.07	-33.15	-23.99	-9.08	-14.84
		1035	1.013e+04	96.22	-2014.31	-2009.19	91.11	-103.73	1.68	-25.63	-18.75	-5.20	-11.86
		1053	1.039e+04	96.23	-2009.66	-2004.54	91.11	-103.73	7.90	-22.52	-17.75	3.13	-11.06
		1052	1.080e+04	85.01	-2014.13	-2009.70	80.58	-96.36	6.05	-29.78	-22.98	-0.75	-14.05
773	4	1034	1.051e+04	81.17	-2010.63	-2006.93	77.47	-87.92	0.18	-32.96	-23.82	-8.96	-14.81
		1035	1.009e+04	93.45	-2005.66	-2001.26	89.05	-96.03	1.73	-25.77	-18.80	-5.24	-11.96
		1053	1.037e+04	93.45	-2009.27	-2004.88	89.05	-96.03	7.57	-22.79	-17.87	2.65	-11.19
		1052	1.076e+04	81.17	-2014.25	-2010.55	77.47	-87.92	5.80	-29.76	-22.90	-1.06	-14.03
773	5	1034	1.046e+04	83.85	-2019.25	-2015.65	80.25	-86.89	-1.86	-33.70	-24.09	-11.47	-14.62
		1035	1.008e+04	97.82	-2013.58	-2009.19	93.43	-96.12	-0.54	-27.48	-19.61	-8.41	-12.25
		1053	1.038e+04	97.77	-2035.60	-2031.26	93.43	-96.12	3.99	-24.96	-19.05	-1.92	-11.66
		1052	1.074e+04	83.81	-2041.28	-2037.72	80.25	-86.89	2.56	-31.07	-23.53	-4.98	-14.03
773	6	1034	1.046e+04	79.69	-2013.45	-2009.70	75.94	-88.55	1.16	-30.81	-22.68	-6.97	-13.92
		1035	1.021e+04	96.16	-2006.81	-2002.10	91.45	-99.40	1.78	-27.16	-19.80	-5.59	-12.60
		1053	1.051e+04	96.08	-2041.98	-2037.35	91.45	-99.40	4.38	-26.37	-19.81	-2.19	-12.60
		1052	1.074e+04	79.63	-2048.64	-2044.95	75.94	-88.55	3.75	-30.01	-22.69	-3.57	-13.91
773	7	1034	1.030e+04	78.56	-1976.60	-1972.99	74.95	-86.07	-0.07	-32.15	-23.26	-8.96	-14.36
		1035	9922.34	92.59	-1970.92	-1966.51	88.17	-95.33	1.25	-25.89	-18.76	-5.88	-11.94
		1053	1.022e+04	92.55	-1988.14	-1983.76	88.17	-95.33	6.14	-23.48	-18.14	0.81	-11.38
		1052	1.058e+04	78.53	-1993.82	-1990.24	74.95	-86.07	4.70	-29.61	-22.65	-2.27	-13.80
773	8	1034	8157.63	65.45	-1555.71	-1552.21	61.96	-75.22	0.23	-25.50	-18.48	-6.79	-11.46
		1035	7814.21	74.17	-1552.25	-1548.21	70.13	-80.95	1.48	-19.63	-14.38	-3.77	-9.12
		1053	8019.26	74.18	-1548.82	-1544.77	70.13	-80.95	6.40	-17.21	-13.59	2.78	-8.51
		1052	8338.43	65.46	-1552.28	-1548.78	61.96	-75.22	4.95	-22.89	-17.69	-0.24	-10.85
773	9	1034	7407.97	58.09	-1425.43	-1422.51	55.18	-65.71	0.43	-22.20	-16.25	-5.53	-9.96
		1035	7212.21	68.73	-1421.17	-1417.61	65.17	-72.70	0.99	-19.16	-13.94	-4.23	-8.83
		1053	7403.18	68.69	-1439.19	-1435.68	65.17	-72.70	3.21	-18.28	-13.82	-1.25	-8.72
		1052	7593.29	58.06	-1443.46	-1440.58	55.18	-65.71	2.62	-21.30	-16.13	-2.55	-9.85
773	10	1034	7465.43	59.88	-1428.29	-1425.30	56.89	-66.59	-0.14	-23.48	-16.97	-6.65	-10.47
		1035	7164.30	67.95	-1425.06	-1421.59	64.48	-71.90	0.96	-18.32	-13.37	-3.99	-8.43
		1053	7341.81	67.95	-1423.05	-1419.58	64.48	-71.90	5.15	-16.17	-12.69	1.68	-7.88
		1052	7622.69	59.88	-1426.29	-1423.30	56.89	-66.59	3.89	-21.17	-16.29	-0.98	-9.92
773	11	1034	7400.63	56.93	-1425.34	-1422.72	54.32	-62.25	0.46	-22.18	-16.24	-5.48	-9.96
		1035	7207.56	67.92	-1420.90	-1417.65	64.67	-69.50	1.02	-19.17	-13.95	-4.21	-8.84
		1053	7405.56	67.87	-1441.02	-1437.81	64.67	-69.50	3.20	-18.31	-13.84	-1.28	-8.73
		1052	7593.10	56.90	-1445.46	-1442.88	54.32	-62.25	2.62	-21.30	-16.13	-2.55	-9.84
774	1	1033	1.040e+04	107.82	-2014.95	-2011.42	104.30	-86.40	5.33	-24.13	-19.11	0.31	-11.07
		1034	1.057e+04	100.50	-2017.97	-2014.83	97.36	-81.54	4.36	-28.38	-21.50	-2.52	-13.34
		1052	1.057e+04	100.48	-2027.47	-2024.35	97.36	-81.54	0.75	-31.37	-23.17	-7.45	-14.01
		1051	1.038e+04	107.81	-2024.45	-2020.94	104.30	-86.40	1.55	-26.96	-20.79	-4.62	-11.74
774	2	1033	1.204e+04	179.22	-2452.79	-2445.79	172.22	-135.53	-12.56	-38.83	-26.92	-24.47	-13.08
		1034	1.220e+04	113.70	-2479.37	-2476.08	110.41	-92.26	-13.82	-43.99	-29.72	-28.09	-15.06
		1052	1.201e+04	113.80	-2400.35	-2396.96	110.41	-92.26	-13.06	-46.23	-30.38	-28.91	-16.57
		1051	1.183e+04	179.44	-2373.89	-2366.67	172.22	-135.53	-11.81	-41.07	-27.58	-25.30	-14.58
774	3	1033	1.046e+04	109.24	-2013.91	-2009.87	105.20	-92.51	4.05	-26.70	-20.41	-2.23	-12.40

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		1034	1.046e+04	98.37	-2018.35	-2014.91	94.93	-85.31	4.31	-27.25	-20.43	-2.51	-12.98
		1052	1.041e+04	98.42	-1992.05	-1988.57	94.93	-85.31	4.01	-27.64	-21.09	-2.55	-12.82
		1051	1.041e+04	109.29	-1987.62	-1983.53	105.20	-92.51	3.76	-27.10	-21.07	-2.27	-12.24
774	4	1033	1.039e+04	106.90	-2004.98	-2001.74	103.66	-82.63	4.12	-26.47	-20.24	-2.12	-12.33
		1034	1.041e+04	96.60	-2009.27	-2006.54	93.87	-75.77	4.34	-27.38	-20.47	-2.57	-13.09
		1052	1.039e+04	96.62	-1994.14	-1991.39	93.87	-75.77	3.58	-27.98	-21.25	-3.15	-12.93
		1051	1.037e+04	106.92	-1989.86	-1986.60	103.66	-82.63	3.36	-27.09	-21.02	-2.71	-12.17
774	5	1033	1.035e+04	109.78	-2017.75	-2014.70	106.72	-80.51	1.97	-26.75	-20.47	-4.31	-11.87
		1034	1.041e+04	100.68	-2021.56	-2018.94	98.06	-74.45	1.80	-28.79	-21.35	-5.64	-13.12
		1052	1.044e+04	100.68	-2022.18	-2019.57	98.06	-74.45	0.30	-30.27	-22.46	-7.51	-13.33
		1051	1.037e+04	109.77	-2018.37	-2015.32	106.72	-80.51	0.44	-28.20	-21.58	-6.18	-12.08
774	6	1033	1.038e+04	105.57	-2013.93	-2010.94	102.59	-79.47	5.39	-24.06	-19.07	0.40	-11.05
		1034	1.056e+04	98.86	-2016.73	-2014.07	96.20	-75.00	4.41	-28.39	-21.51	-2.47	-13.36
		1052	1.057e+04	98.85	-2031.48	-2028.83	96.20	-75.00	0.69	-31.44	-23.22	-7.53	-14.02
		1051	1.038e+04	105.55	-2028.67	-2025.71	102.59	-79.47	1.49	-26.94	-20.78	-4.67	-11.71
774	7	1033	1.020e+04	104.23	-1973.92	-1970.91	101.22	-79.07	3.86	-25.58	-19.73	-1.99	-11.75
		1034	1.025e+04	95.68	-1977.49	-1974.89	93.08	-73.38	3.79	-27.28	-20.43	-3.06	-12.88
		1052	1.027e+04	95.68	-1975.58	-1972.97	93.08	-73.38	2.37	-28.53	-21.48	-4.68	-12.97
		1051	1.021e+04	104.23	-1972.00	-1968.99	101.22	-79.07	2.42	-26.82	-20.78	-3.61	-11.83
774	8	1033	8072.60	83.92	-1552.12	-1548.93	80.73	-72.23	3.32	-20.55	-15.73	-1.50	-9.58
		1034	8067.13	75.68	-1555.48	-1552.74	72.94	-66.78	3.54	-20.87	-15.67	-1.66	-9.99
		1052	8033.41	75.72	-1535.37	-1532.60	72.94	-66.78	3.40	-21.13	-16.16	-1.57	-9.85
		1051	8038.98	83.96	-1532.02	-1528.78	80.73	-72.23	3.19	-20.81	-16.22	-1.41	-9.44
774	9	1033	7351.17	76.60	-1425.39	-1422.97	74.18	-60.29	3.34	-17.44	-13.71	-0.39	-7.98
		1034	7455.08	70.87	-1427.77	-1425.63	68.74	-56.49	2.81	-20.08	-15.16	-2.11	-9.41
		1052	7445.51	70.87	-1430.47	-1428.34	68.74	-56.49	0.60	-21.92	-16.23	-5.09	-9.78
		1051	7334.40	76.60	-1428.09	-1425.67	74.18	-60.29	1.05	-19.19	-14.78	-3.37	-8.36
774	10	1033	7383.98	77.38	-1424.81	-1422.11	74.68	-63.68	2.65	-18.88	-14.43	-1.80	-8.72
		1034	7393.40	69.69	-1427.97	-1425.68	67.40	-58.58	2.78	-19.46	-14.57	-2.11	-9.21
		1052	7357.76	69.72	-1410.78	-1408.46	67.40	-58.58	2.40	-19.84	-15.07	-2.37	-9.13
		1051	7348.22	77.42	-1407.63	-1404.89	74.68	-63.68	2.27	-19.27	-14.94	-2.06	-8.64
774	11	1033	7341.78	75.35	-1424.83	-1422.70	73.23	-56.44	3.38	-17.41	-13.69	-0.34	-7.97
		1034	7447.98	69.97	-1427.08	-1425.21	68.10	-52.85	2.84	-20.09	-15.17	-2.09	-9.42
		1052	7447.75	69.96	-1432.69	-1430.83	68.10	-52.85	0.56	-21.96	-16.25	-5.14	-9.79
		1051	7334.22	75.34	-1430.44	-1428.32	73.23	-56.44	1.01	-19.19	-14.78	-3.40	-8.34
775	1	1032	9572.19	125.65	-1856.70	-1853.92	122.88	-74.11	10.07	-15.84	-13.70	7.93	-7.12
		1033	1.011e+04	97.15	-1868.82	-1867.28	95.61	-55.02	6.67	-27.69	-21.66	0.65	-13.07
		1051	9821.90	97.16	-1856.44	-1854.89	95.61	-55.02	-3.23	-34.68	-24.96	-12.94	-14.53
		1050	9180.35	125.67	-1844.32	-1841.53	122.88	-74.11	-1.04	-21.62	-17.00	-5.65	-8.59
775	2	1032	1.045e+04	173.21	-2163.78	-2158.83	168.26	-107.42	-6.87	-25.14	-19.31	-12.70	-8.51
		1033	1.113e+04	144.47	-2175.51	-2172.14	141.10	-88.40	-10.60	-40.28	-28.41	-22.48	-14.54
		1051	1.086e+04	144.60	-2085.99	-2082.48	141.10	-88.40	-13.74	-49.80	-30.82	-32.72	-18.01
		1050	1.007e+04	173.41	-2074.31	-2069.17	168.26	-107.42	-10.34	-34.33	-21.73	-22.94	-11.98
775	3	1032	9556.29	121.50	-1850.12	-1846.52	117.91	-84.14	8.46	-18.16	-14.88	5.17	-8.76
		1033	9978.44	91.52	-1862.60	-1860.49	89.40	-64.19	6.63	-27.00	-20.67	0.30	-13.14
		1051	9620.04	91.57	-1814.68	-1812.51	89.40	-64.19	-0.43	-31.43	-23.00	-8.85	-13.79
		1050	9146.96	121.59	-1802.23	-1798.55	117.91	-84.14	0.91	-22.09	-17.21	-3.98	-9.41
775	4	1032	9496.34	125.25	-1839.87	-1837.17	122.55	-72.80	8.35	-18.01	-14.77	5.10	-8.66
		1033	9923.32	94.16	-1853.14	-1851.76	92.77	-51.96	6.55	-27.07	-20.66	0.14	-13.20
		1051	9625.00	94.18	-1822.63	-1821.22	92.77	-51.96	-0.90	-31.72	-23.16	-9.46	-13.81
		1050	9144.78	125.29	-1809.37	-1806.63	122.55	-72.80	0.37	-22.14	-17.27	-4.50	-9.27
775	5	1032	9471.58	128.24	-1856.54	-1854.05	125.75	-70.22	6.45	-17.91	-14.94	3.47	-7.98
		1033	9933.82	97.78	-1869.64	-1868.38	96.52	-49.75	4.04	-28.15	-21.54	-2.57	-13.00
		1051	9699.55	97.79	-1850.31	-1849.04	96.52	-49.75	-3.61	-33.98	-24.31	-13.28	-14.15
		1050	9165.03	128.26	-1837.23	-1834.71	125.75	-70.22	-1.96	-22.99	-17.70	-7.24	-9.12
775	6	1032	9553.39	124.66	-1854.30	-1852.07	122.43	-66.31	10.13	-15.76	-13.65	8.02	-7.07
		1033	1.009e+04	96.36	-1866.54	-1865.40	95.22	-47.27	6.72	-27.69	-21.67	0.69	-13.08
		1051	9828.70	96.36	-1861.96	-1860.82	95.22	-47.27	-3.34	-34.76	-25.02	-13.08	-14.53
		1050	9185.07	124.66	-1849.71	-1847.48	122.43	-66.31	-1.17	-21.59	-17.00	-5.75	-8.53
775	7	1032	9341.46	122.92	-1814.56	-1812.17	120.52	-68.10	8.20	-17.20	-14.36	5.35	-8.01
		1033	9780.51	93.41	-1827.26	-1826.04	92.20	-48.28	6.01	-26.79	-20.61	-0.17	-12.83
		1051	9526.26	93.43	-1808.16	-1806.93	92.20	-48.28	-1.82	-32.05	-23.32	-10.55	-13.70
		1050	9022.76	122.94	-1795.48	-1793.06	120.52	-68.10	-0.32	-21.77	-17.06	-5.03	-8.88
775	8	1032	7376.66	92.85	-1426.07	-1423.22	90.01	-65.71	6.73	-13.98	-11.45	4.21	-6.78
		1033	7697.80	70.00	-1435.55	-1433.85	68.31	-50.52	5.35	-20.69	-15.86	0.52	-10.12
		1051	7420.82	70.05	-1398.40	-1396.66	68.31	-50.52	-0.06	-24.02	-17.64	-6.44	-10.59
		1050	7061.74	92.93	-1388.95	-1386.03	90.01	-65.71	0.95	-16.94	-13.24	-2.75	-7.25
775	9	1032	6754.79	89.37	-1312.48	-1310.54	87.43	-52.08	6.63	-11.52	-9.87	4.98	-5.22
		1033	7122.61	68.69	-1321.29	-1320.24	67.64	-38.23	4.42	-19.63	-15.28	0.06	-9.26
		1051	6917.99	68.70	-1309.20	-1308.14	67.64	-38.23	-2.23	-24.34	-17.51	-9.07	-10.22
		1050	6480.77	89.38	-1300.40	-1298.44	87.43	-52.08	-0.79	-15.47	-12.10	-4.16	-6.18
775	10	1032	6746.70	87.05	-1308.82	-1306.43	84.67	-57.65	5.75	-12.83	-10.52	3.44	-6.13

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1033	7051.68	65.55	-1317.83	-1316.47	64.19	-43.32	4.40	-19.25	-14.73	-0.13	-9.30
		1051	6805.39	65.58	-1285.99	-1284.60	64.19	-43.32	-0.69	-22.53	-16.42	-6.80	-9.81
		1050	6462.03	87.11	-1277.01	-1274.57	84.67	-57.65	0.29	-15.73	-12.21	-3.23	-6.63
775	11	1032	6744.15	88.81	-1311.15	-1309.52	87.18	-47.75	6.66	-11.48	-9.84	5.02	-5.19
		1033	7112.58	68.25	-1320.03	-1319.20	67.42	-33.92	4.44	-19.64	-15.28	0.09	-9.27
		1051	6921.77	68.26	-1312.27	-1311.43	67.42	-33.92	-2.30	-24.39	-17.54	-9.15	-10.22
		1050	6483.27	88.82	-1303.39	-1301.75	87.18	-47.75	-0.86	-15.46	-12.10	-4.21	-6.14
776	1	1031	8030.94	116.51	-1549.56	-1548.17	115.12	-48.12	16.04	-6.80	-6.58	15.82	-2.21
		1032	8844.22	84.43	-1563.83	-1563.41	84.01	-26.34	8.68	-25.17	-20.32	3.83	-11.86
		1050	8315.89	84.44	-1529.93	-1529.50	84.01	-26.34	-7.16	-36.51	-25.17	-18.51	-14.29
		1049	7158.93	116.54	-1515.67	-1514.25	115.12	-48.12	-3.73	-14.22	-11.43	-6.52	-4.64
776	2	1031	8299.32	127.75	-1749.72	-1746.04	124.07	-83.03	1.38	-10.83	-9.96	0.51	-3.13
		1032	9370.90	92.24	-1764.47	-1762.57	90.33	-59.42	-6.10	-34.54	-25.47	-15.16	-13.25
		1050	9090.15	92.35	-1664.16	-1662.15	90.33	-59.42	-13.80	-51.01	-29.63	-35.18	-18.40
		1049	7601.82	127.96	-1649.51	-1645.62	124.07	-83.03	-8.11	-25.52	-14.12	-19.51	-8.28
776	3	1031	7882.30	100.43	-1534.77	-1532.55	98.21	-60.14	13.91	-8.21	-7.46	13.16	-4.02
		1032	8689.44	70.64	-1547.55	-1546.55	69.65	-40.15	8.67	-24.98	-19.51	3.21	-12.41
		1050	8077.51	70.69	-1481.19	-1480.15	69.65	-40.15	-5.02	-34.27	-23.55	-15.73	-14.09
		1049	7022.51	100.52	-1468.46	-1466.16	98.21	-60.14	-2.26	-15.02	-11.50	-5.78	-5.70
776	4	1031	7871.42	118.37	-1527.08	-1525.68	116.96	-48.01	13.48	-8.24	-7.52	12.76	-3.89
		1032	8646.32	84.44	-1542.19	-1541.80	84.05	-24.98	8.37	-24.90	-19.42	2.88	-12.34
		1050	8127.73	84.45	-1501.23	-1500.84	84.05	-24.98	-5.48	-34.34	-23.64	-16.17	-13.94
		1049	7108.68	118.40	-1486.15	-1484.71	116.96	-48.01	-2.90	-15.14	-11.74	-6.29	-5.48
776	5	1031	7889.54	121.27	-1546.63	-1545.37	120.02	-45.82	12.43	-7.99	-7.53	11.97	-3.02
		1032	8682.69	87.11	-1561.96	-1561.65	86.80	-22.57	6.23	-25.68	-20.27	0.82	-11.97
		1050	8225.90	87.12	-1525.43	-1525.12	86.80	-22.57	-7.46	-36.48	-24.68	-19.25	-14.25
		1049	7139.71	121.30	-1510.13	-1508.84	120.02	-45.82	-4.39	-15.66	-11.95	-8.10	-5.30
776	6	1031	8022.73	119.89	-1545.89	-1544.97	118.96	-39.26	16.14	-6.70	-6.50	15.95	-2.10
		1032	8827.99	87.12	-1560.83	-1560.66	86.95	-16.84	8.72	-25.17	-20.33	3.88	-11.86
		1050	8335.57	87.12	-1539.23	-1539.06	86.95	-16.84	-7.39	-36.66	-25.27	-18.78	-14.27
		1049	7182.05	119.90	-1524.31	-1523.37	118.96	-39.26	-3.98	-14.17	-11.44	-6.71	-4.52
776	7	1031	7782.79	117.34	-1509.80	-1508.65	116.19	-43.27	13.66	-7.71	-7.22	13.16	-3.21
		1032	8542.82	84.10	-1524.77	-1524.50	83.83	-20.62	7.94	-24.52	-19.38	2.80	-11.85
		1050	8059.97	84.10	-1491.85	-1491.58	83.83	-20.62	-6.09	-34.39	-23.73	-16.76	-13.72
		1049	7033.41	117.37	-1476.90	-1475.73	116.19	-43.27	-3.29	-14.67	-11.57	-6.39	-5.07
776	8	1031	6082.30	75.59	-1182.85	-1181.08	73.83	-47.08	10.93	-6.32	-5.73	10.35	-3.12
		1032	6703.30	53.08	-1192.47	-1191.65	52.26	-31.98	6.93	-19.15	-14.98	2.75	-9.56
		1050	6224.34	53.12	-1140.58	-1139.72	52.26	-31.98	-3.67	-26.21	-18.08	-11.80	-10.82
		1049	5415.12	75.67	-1131.00	-1129.16	73.83	-47.08	-1.56	-11.47	-8.83	-4.20	-4.38
776	9	1031	5653.96	83.17	-1094.41	-1093.43	82.18	-34.06	10.78	-5.00	-4.80	10.59	-1.76
		1032	6228.28	60.08	-1104.69	-1104.40	59.79	-18.39	5.83	-17.88	-14.34	2.29	-8.45
		1050	5857.78	60.09	-1078.69	-1078.39	59.79	-18.39	-5.03	-25.77	-17.68	-13.11	-10.12
		1049	5050.55	83.19	-1068.43	-1067.42	82.18	-34.06	-2.68	-10.29	-8.15	-4.82	-3.42
776	10	1031	5572.16	74.22	-1086.18	-1084.75	72.79	-40.74	9.62	-5.80	-5.29	9.11	-2.76
		1032	6142.45	52.40	-1095.62	-1095.03	51.81	-26.05	5.83	-17.78	-13.89	1.95	-8.75
		1050	5725.09	52.43	-1051.60	-1050.98	51.81	-26.05	-3.84	-24.51	-16.78	-11.57	-10.00
		1049	4974.89	74.28	-1042.19	-1040.70	72.79	-40.74	-1.86	-10.73	-8.18	-4.41	-4.01
776	11	1031	5648.98	85.04	-1092.37	-1091.65	84.32	-29.13	10.84	-4.94	-4.76	10.65	-1.70
		1032	6219.10	61.57	-1103.02	-1102.87	61.42	-13.11	5.85	-17.88	-14.35	2.32	-8.45
		1050	5868.62	61.57	-1083.86	-1083.71	61.42	-13.11	-5.15	-25.85	-17.74	-13.26	-10.11
		1049	5063.10	85.05	-1073.22	-1072.49	84.32	-29.13	-2.82	-10.26	-8.15	-4.93	-3.35
777	1	1030	5776.11	37.45	-1097.66	-1097.22	37.01	22.35	22.12	0.68	1.05	21.75	2.79
		1031	6598.29	44.09	-1094.16	-1093.89	43.81	17.59	9.88	-20.41	-16.91	6.37	-9.69
		1049	6023.51	44.10	-1049.06	-1048.77	43.81	17.59	-9.71	-35.15	-22.95	-21.91	-12.71
		1048	4469.53	37.47	-1052.57	-1052.11	37.01	22.35	-4.96	-6.56	-5.00	-6.53	-0.23
777	2	1030	5499.06	-14.73	-1204.73	-1204.69	-14.77	7.00	13.39	-0.16	0.28	12.95	2.40
		1031	6755.31	18.22	-1188.84	-1188.63	18.01	-15.94	-0.70	-27.14	-20.66	-7.17	-11.37
		1049	6703.06	18.24	-1095.02	-1094.79	18.01	-15.94	-13.27	-49.18	-26.52	-35.93	-17.33
		1048	4848.31	-14.73	-1110.90	-1110.85	-14.77	7.00	-4.47	-16.93	-5.58	-15.81	-3.56
777	3	1030	5264.99	-32.24	-1068.70	-1067.16	-33.77	39.84	18.50	0.32	0.34	18.48	0.66
		1031	6274.94	16.57	-1042.53	-1042.51	16.55	4.61	9.92	-20.50	-16.01	5.43	-10.79
		1049	5732.05	16.57	-991.91	-991.89	16.55	4.61	-8.40	-33.69	-21.56	-20.53	-12.64
		1048	4205.31	-32.16	-1018.16	-1016.55	-33.77	39.84	-4.70	-7.99	-5.20	-7.48	-1.18
777	4	1030	5585.62	59.14	-1071.00	-1070.79	58.94	15.23	19.32	0.39	0.49	19.22	1.33
		1031	6446.47	53.14	-1074.14	-1073.80	52.80	19.53	9.39	-20.56	-16.32	5.14	-10.44
		1049	5932.70	53.15	-1038.05	-1037.70	52.80	19.53	-8.77	-34.62	-22.05	-21.33	-12.92
		1048	4430.29	59.15	-1034.90	-1034.69	58.94	15.23	-4.72	-7.77	-5.24	-7.26	-1.15
777	5	1030	5668.56	59.24	-1090.41	-1090.15	58.98	17.07	19.80	0.47	0.76	19.51	2.35
		1031	6508.11	53.53	-1093.41	-1093.02	53.14	21.17	7.95	-21.06	-17.08	3.97	-9.98
		1049	6037.79	53.54	-1053.60	-1053.20	53.14	21.17	-10.03	-36.53	-22.97	-23.59	-13.25
		1048	4449.26	59.25	-1050.60	-1050.33	58.98	17.07	-4.86	-8.32	-5.12	-8.05	-0.92
777	6	1030	5863.35	62.05	-1093.20	-1092.64	61.49	25.38	22.83	0.87	1.32	22.37	3.13

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		1031	6634.73	56.42	-1096.25	-1095.49	55.67	29.45	9.96	-20.51	-17.06	6.51	-9.65
		1049	6099.35	56.44	-1069.28	-1068.51	55.67	29.45	-10.13	-35.80	-23.29	-22.65	-12.83
		1048	4547.52	62.06	-1066.23	-1065.66	61.49	25.38	-4.91	-6.79	-4.91	-6.79	-0.05
777	7	1030	5586.47	58.87	-1063.46	-1063.13	58.54	19.27	19.96	0.48	0.68	19.76	1.97
		1031	6395.86	53.39	-1066.37	-1065.89	52.91	23.21	9.16	-20.15	-16.30	5.32	-9.90
		1049	5891.19	53.41	-1033.65	-1033.15	52.91	23.21	-9.13	-34.36	-22.07	-21.41	-12.61
		1048	4409.10	58.88	-1030.73	-1030.39	58.54	19.27	-4.83	-7.23	-5.09	-6.97	-0.74
777	8	1030	4038.11	-32.08	-823.01	-821.62	-33.47	33.13	14.30	0.24	0.25	14.29	0.44
		1031	4824.46	9.87	-800.40	-800.39	9.87	2.80	7.86	-15.71	-12.26	4.41	-8.34
		1049	4399.81	9.88	-761.69	-761.68	9.87	2.80	-6.36	-25.69	-16.52	-15.53	-9.65
		1048	3233.63	-32.00	-784.38	-782.91	-33.47	33.13	-3.64	-6.03	-4.02	-5.65	-0.87
777	9	1030	4057.47	29.68	-773.99	-773.73	29.42	14.58	15.18	0.44	0.67	14.95	1.81
		1031	4647.23	32.56	-772.48	-772.29	32.36	12.52	6.71	-14.55	-11.96	4.12	-6.95
		1049	4253.78	32.56	-740.53	-740.33	32.36	12.52	-6.85	-25.03	-16.19	-15.69	-9.09
		1048	3149.09	29.69	-742.05	-741.77	29.42	14.58	-3.49	-4.94	-3.56	-4.86	-0.32
777	10	1030	3773.35	-9.12	-757.82	-757.03	-9.91	24.29	13.16	0.25	0.28	13.13	0.63
		1031	4467.52	17.25	-743.78	-743.74	17.21	5.30	6.75	-14.60	-11.46	3.60	-7.57
		1049	4092.08	17.25	-708.77	-708.73	17.21	5.30	-6.12	-24.22	-15.41	-14.92	-9.05
		1048	3001.36	-9.08	-722.84	-722.02	-9.91	24.29	-3.33	-5.75	-3.68	-5.40	-0.85
777	11	1030	4105.18	43.34	-771.51	-771.19	43.01	16.26	15.56	0.55	0.82	15.29	2.00
		1031	4666.99	39.39	-773.63	-773.18	38.95	19.10	6.76	-14.60	-12.04	4.20	-6.93
		1049	4295.58	39.41	-751.76	-751.29	38.95	19.10	-7.08	-25.39	-16.37	-16.10	-9.16
		1048	3191.90	43.35	-749.63	-749.30	43.01	16.26	-3.48	-5.04	-3.51	-5.01	-0.22
778	1	174	3116.31	-14.28	-506.64	-454.72	-66.20	151.22	20.11	3.14	5.08	18.18	5.39
		1030	2866.30	2.73	-477.46	-439.53	-35.20	129.52	7.33	-11.46	-9.43	5.30	-5.84
		1048	2808.19	3.16	-472.48	-434.12	-35.20	129.52	-7.38	-23.14	-15.32	-15.20	-7.88
		166	2326.59	-13.71	-501.80	-449.31	-66.20	151.22	1.86	-5.00	-0.81	-2.32	3.35
778	2	174	3086.60	-20.91	-487.68	-418.52	-90.06	165.82	22.38	4.80	8.18	19.00	6.93
		1030	2638.49	-9.99	-462.55	-406.67	-65.87	148.89	2.29	-16.57	-12.41	-1.87	-7.82
		1048	4174.66	-14.53	-497.68	-446.34	-65.87	148.89	-9.81	-39.15	-19.50	-29.46	-13.80
		166	2419.75	-26.39	-521.88	-458.20	-90.06	165.82	1.18	-8.68	1.09	-8.59	0.94
778	3	174	2995.34	102.38	-383.00	-293.34	12.73	188.36	19.37	4.01	5.73	17.65	4.84
		1030	2631.45	93.45	-413.07	-306.17	-13.45	206.68	7.33	-11.88	-8.85	4.29	-7.00
		1048	3482.88	66.63	-546.86	-466.77	-13.45	206.68	-7.63	-25.85	-15.60	-17.88	-9.04
		166	2492.54	79.26	-520.49	-453.95	12.73	188.36	0.52	-6.07	-1.03	-4.52	2.80
778	4	174	2802.57	-27.92	-504.61	-460.92	-71.61	137.54	17.32	3.48	4.80	16.00	4.06
		1030	2821.52	-2.55	-466.65	-440.10	-29.10	107.78	6.93	-12.21	-9.27	3.99	-6.90
		1048	2831.16	-2.14	-460.03	-433.07	-29.10	107.78	-7.25	-24.14	-15.07	-16.32	-8.42
		166	2167.42	-27.27	-498.24	-453.90	-71.61	137.54	0.37	-5.68	-1.00	-4.30	2.54
778	5	174	2994.50	-30.24	-516.37	-471.76	-74.84	140.34	19.26	3.46	5.36	17.36	5.14
		1030	2891.33	-4.69	-478.04	-450.75	-31.97	110.33	6.35	-12.39	-9.85	3.81	-6.41
		1048	2914.68	-3.84	-464.72	-436.59	-31.97	110.33	-7.93	-25.53	-15.79	-17.67	-8.75
		166	2190.32	-28.90	-503.54	-457.59	-74.84	140.34	0.97	-5.66	-0.57	-4.12	2.80
778	6	174	3196.02	-17.36	-524.04	-476.98	-64.42	147.06	20.53	3.17	5.21	18.49	5.58
		1030	2996.32	5.19	-489.30	-458.14	-25.97	120.15	7.48	-11.66	-9.66	5.48	-5.86
		1048	2905.49	5.58	-483.48	-451.93	-25.97	120.15	-7.92	-23.60	-15.65	-15.87	-7.84
		166	2386.20	-16.78	-518.41	-470.77	-64.42	147.06	1.92	-5.56	-0.79	-2.85	3.60
778	7	174	2915.45	-21.84	-503.15	-458.53	-66.45	139.58	18.32	3.30	4.91	16.72	4.64
		1030	2832.48	1.51	-467.56	-439.15	-26.90	111.89	6.90	-11.77	-9.28	4.41	-6.35
		1048	2817.73	1.79	-463.35	-434.67	-26.90	111.89	-7.42	-23.63	-15.07	-15.98	-8.09
		166	2218.53	-21.42	-499.09	-454.05	-66.45	139.58	0.94	-5.49	-0.89	-3.67	2.90
778	8	174	2337.08	91.50	-285.98	-212.16	17.68	149.72	15.07	3.12	4.45	13.74	3.77
		1030	2085.48	83.17	-316.53	-224.94	-8.41	167.98	5.77	-9.06	-6.74	3.44	-5.39
		1048	2738.87	58.38	-430.92	-364.13	-8.41	167.98	-5.89	-19.87	-12.02	-13.73	-6.94
		166	1966.59	70.78	-404.45	-351.35	17.68	149.72	0.44	-4.71	-0.84	-3.44	2.22
778	9	174	2163.37	-13.05	-358.72	-323.32	-48.45	104.81	13.91	2.29	3.60	12.60	3.68
		1030	2020.70	0.30	-336.52	-311.63	-24.59	88.11	5.02	-8.27	-6.71	3.46	-4.28
		1048	1993.34	0.73	-331.21	-305.90	-24.59	88.11	-5.26	-16.72	-10.87	-11.11	-5.73
		166	1610.35	-12.45	-353.58	-317.59	-48.45	104.81	1.07	-3.60	-0.55	-1.98	2.23
778	10	174	2085.12	50.73	-288.99	-233.67	-4.60	125.44	13.50	2.77	3.97	12.31	3.37
		1030	1758.44	47.65	-297.69	-237.54	-12.51	130.98	5.03	-8.51	-6.39	2.90	-4.93
		1048	2355.54	35.24	-371.79	-324.04	-12.51	130.98	-5.39	-18.24	-11.03	-12.60	-6.38
		166	1700.31	39.19	-363.95	-320.16	-4.60	125.44	0.36	-4.24	-0.67	-3.20	1.92
778	11	174	2207.90	-14.73	-368.42	-335.69	-47.46	102.50	14.14	2.31	3.68	12.78	3.79
		1030	2093.47	1.77	-343.20	-321.97	-19.46	82.90	5.10	-8.38	-6.84	3.56	-4.29
		1048	2047.71	2.15	-337.41	-315.79	-19.46	82.90	-5.56	-16.98	-11.05	-11.49	-5.71
		166	1643.93	-14.14	-362.82	-329.51	-47.46	102.50	1.11	-3.93	-0.54	-2.27	2.37
779	1	1020	3247.92	-43.38	-406.69	-400.12	-49.95	48.41	-7.79	-31.19	-16.42	-22.56	-11.29
		186	1970.35	-2.54	-377.87	-377.22	-3.20	15.69	0.36	-7.40	0.26	-7.30	0.88
		190	2243.51	-2.51	-363.90	-363.22	-3.20	15.69	17.63	4.74	6.24	16.13	4.13
		1038	2684.40	-43.12	-392.96	-386.13	-49.95	48.41	5.05	-14.61	-10.44	0.88	-8.04
779	2	1020	4169.62	-98.06	-381.51	-378.45	-101.12	29.29	-8.05	-42.37	-18.73	-31.69	-15.89

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		186	2206.67	-89.00	-375.04	-373.34	-90.70	22.00	1.31	-12.99	1.04	-12.73	-1.92
		190	2072.85	-89.07	-387.45	-385.82	-90.70	22.00	15.06	6.36	7.57	13.85	3.01
		1038	2908.40	-98.19	-393.86	-390.93	-101.12	29.29	2.86	-20.18	-12.20	-5.11	-10.96
779	3	1020	3222.16	-81.26	-406.32	-402.53	-85.06	34.90	-7.93	-29.24	-16.40	-20.77	-10.43
		186	1728.84	-99.82	-422.12	-413.83	-108.12	51.04	0.78	-5.78	0.32	-5.33	1.67
		190	2387.19	-100.19	-436.72	-428.79	-108.12	51.04	19.52	4.19	6.15	17.56	5.13
		1038	2774.56	-81.43	-421.11	-417.49	-85.06	34.90	5.20	-13.65	-10.57	2.12	-6.97
779	4	1020	3264.47	-42.57	-420.96	-411.62	-51.92	58.73	-8.64	-31.21	-17.11	-22.74	-10.93
		186	1968.42	-5.14	-391.59	-389.64	-7.08	27.34	1.04	-6.70	0.59	-6.26	1.80
		190	2579.22	-5.11	-387.11	-385.14	-7.08	27.34	20.70	4.47	6.74	18.43	5.64
		1038	2779.20	-42.46	-416.57	-407.11	-51.92	58.73	5.08	-14.09	-10.96	1.94	-7.09
779	5	1020	3299.69	-46.30	-406.21	-399.00	-53.50	50.40	-7.90	-32.11	-16.61	-23.40	-11.62
		186	1989.13	-7.57	-377.94	-376.97	-8.54	18.93	0.45	-7.70	0.38	-7.64	0.70
		190	2226.41	-7.55	-368.74	-367.74	-8.54	18.93	17.54	4.76	6.38	15.92	4.25
		1038	2676.24	-46.11	-397.17	-389.78	-53.50	50.40	4.48	-14.93	-10.62	0.17	-8.07
779	6	1020	3236.36	-39.23	-410.50	-402.38	-47.34	54.29	-7.81	-31.25	-16.45	-22.62	-11.31
		186	1994.05	5.16	-377.93	-377.07	4.30	18.14	0.36	-7.44	0.25	-7.34	0.88
		190	2272.11	5.20	-362.73	-361.84	4.30	18.14	17.64	4.74	6.25	16.14	4.14
		1038	2678.44	-38.88	-395.61	-387.14	-47.34	54.29	5.03	-14.63	-10.45	0.85	-8.04
779	7	1020	3191.34	-38.65	-410.77	-402.25	-47.16	55.63	-8.01	-30.60	-16.42	-22.19	-10.92
		186	1955.48	4.74	-378.39	-377.34	3.69	20.03	0.61	-6.84	0.39	-6.62	1.27
		190	2377.75	4.78	-366.08	-364.99	3.69	20.03	18.70	4.50	6.34	16.86	4.77
		1038	2671.28	-38.36	-398.71	-389.91	-47.16	55.63	4.88	-14.06	-10.47	1.29	-7.42
779	8	1020	2478.47	-65.40	-311.87	-309.26	-68.00	25.21	-6.07	-22.37	-12.59	-15.85	-7.99
		186	1317.63	-83.93	-327.88	-320.62	-91.19	41.44	0.61	-4.37	0.24	-4.01	1.30
		190	1836.02	-84.31	-340.92	-334.05	-91.19	41.44	15.04	3.20	4.71	13.53	3.95
		1038	2140.17	-65.53	-325.16	-322.69	-68.00	25.21	4.03	-10.47	-8.12	1.69	-5.34
779	9	1020	2301.22	-30.62	-290.00	-285.05	-35.56	35.48	-5.59	-22.07	-11.68	-15.98	-7.96
		186	1396.14	-1.70	-269.29	-268.73	-2.26	12.16	0.30	-5.16	0.21	-5.06	0.70
		190	1618.48	-1.68	-259.90	-259.33	-2.26	12.16	12.74	3.32	4.46	11.61	3.06
		1038	1907.09	-30.43	-280.78	-275.65	-35.56	35.48	3.55	-10.29	-7.43	0.70	-5.60
779	10	1020	2287.08	-51.73	-289.72	-286.39	-55.07	27.97	-5.66	-20.99	-11.67	-14.99	-7.48
		186	1254.95	-56.20	-293.42	-289.07	-60.55	31.81	0.53	-4.26	0.24	-3.97	1.14
		190	1694.67	-56.32	-299.98	-295.76	-60.55	31.81	13.79	3.01	4.41	12.40	3.61
		1038	1957.80	-51.82	-296.31	-293.07	-55.07	27.97	3.63	-9.76	-7.51	1.38	-5.01
779	11	1020	2294.93	-28.30	-292.12	-286.30	-34.12	38.74	-5.60	-22.11	-11.70	-16.01	-7.97
		186	1409.16	2.58	-269.33	-268.65	1.91	13.53	0.29	-5.18	0.20	-5.09	0.70
		190	1634.44	2.61	-259.26	-258.56	1.91	13.53	12.75	3.32	4.46	11.61	3.07
		1038	1904.08	-28.07	-282.26	-276.21	-34.12	38.74	3.54	-10.30	-7.44	0.68	-5.60
780	1	1019	6193.82	-28.50	-1030.93	-1030.10	-29.32	-28.71	-10.57	-42.12	-23.56	-29.13	-15.53
		1020	4361.55	16.78	-1012.51	-1009.16	13.43	-58.64	-3.39	-12.82	-4.21	-11.99	-2.67
		1038	4974.74	16.79	-1010.21	-1006.86	13.43	-58.64	17.60	1.44	1.58	17.46	1.47
		1037	6142.45	-28.49	-1028.63	-1027.80	-29.32	-28.71	5.82	-23.27	-17.77	0.33	-11.39
780	2	1019	6940.49	-43.70	-1087.17	-1083.39	-47.48	-62.70	-11.14	-51.64	-25.64	-37.14	-19.41
		1020	4851.71	-8.55	-1074.52	-1067.68	-15.40	-85.15	-2.97	-20.89	-5.45	-18.41	-6.19
		1038	4968.41	-8.80	-1114.42	-1107.83	-15.40	-85.15	9.79	0.03	0.13	9.69	-1.00
		1037	6586.05	-43.84	-1127.19	-1123.54	-47.48	-62.70	0.71	-29.80	-20.05	-9.03	-14.22
780	3	1019	6410.29	-30.16	-1069.81	-1069.18	-30.79	-25.65	-11.72	-43.63	-24.81	-30.54	-15.69
		1020	4490.54	15.54	-1050.87	-1047.92	12.59	-56.01	-3.47	-11.74	-3.93	-11.28	-1.90
		1038	5239.58	15.56	-1042.36	-1039.38	12.59	-56.01	20.93	1.69	2.27	20.35	3.30
		1037	6319.15	-30.15	-1061.28	-1060.64	-30.79	-25.65	5.63	-23.15	-18.61	1.09	-10.49
780	4	1019	6337.70	-27.34	-1055.63	-1055.34	-27.63	-17.12	-12.06	-43.91	-24.87	-31.10	-15.61
		1020	4499.94	17.59	-1036.35	-1034.23	15.46	-47.29	-3.50	-12.36	-3.85	-12.01	-1.72
		1038	5172.21	17.61	-1028.03	-1025.88	15.46	-47.29	20.73	1.84	2.42	20.16	3.25
		1037	6260.94	-27.34	-1047.29	-1047.00	-27.63	-17.12	5.73	-23.26	-18.60	1.07	-10.65
780	5	1019	6197.02	-30.24	-1034.02	-1033.26	-31.00	-27.59	-10.66	-42.39	-23.50	-29.54	-15.57
		1020	4380.30	14.53	-1015.70	-1012.51	11.34	-57.22	-3.48	-13.44	-4.45	-12.48	-2.94
		1038	4947.48	14.51	-1021.56	-1018.39	11.34	-57.22	16.10	1.05	1.17	15.98	1.32
		1037	6123.97	-30.24	-1039.90	-1039.14	-31.00	-27.59	4.60	-23.57	-17.89	-1.08	-11.31
780	6	1019	6178.03	-28.66	-1030.51	-1029.91	-29.26	-24.57	-10.57	-42.08	-23.55	-29.10	-15.51
		1020	4360.80	15.99	-1012.01	-1009.14	13.12	-54.24	-3.41	-12.84	-4.23	-12.01	-2.66
		1038	4975.05	15.99	-1010.77	-1007.90	13.12	-54.24	17.53	1.42	1.55	17.40	1.44
		1037	6135.98	-28.66	-1029.27	-1028.67	-29.26	-24.57	5.83	-23.28	-17.77	0.32	-11.40
780	7	1019	6132.07	-28.12	-1026.27	-1025.84	-28.54	-20.68	-10.97	-41.85	-23.59	-29.23	-15.18
		1020	4340.43	16.68	-1007.42	-1004.91	14.18	-50.59	-3.48	-12.30	-4.08	-11.70	-2.22
		1038	4966.74	16.70	-1002.11	-999.59	14.18	-50.59	18.27	1.47	1.76	17.98	2.18
		1037	6068.47	-28.11	-1020.95	-1020.52	-28.54	-20.68	5.45	-22.76	-17.76	0.45	-10.78
780	8	1019	4947.44	-23.21	-825.38	-824.88	-23.71	-20.02	-9.05	-33.66	-19.15	-23.56	-12.11
		1020	3462.96	12.12	-810.76	-808.46	9.81	-43.49	-2.66	-8.98	-3.00	-8.64	-1.44
		1038	4047.73	12.14	-803.91	-801.59	9.81	-43.49	16.29	1.32	1.79	15.82	2.61
		1037	4876.04	-23.21	-818.52	-818.01	-23.71	-20.02	4.36	-17.83	-14.36	0.90	-8.06
780	9	1019	4397.21	-20.34	-732.84	-732.32	-20.86	-19.28	-7.60	-29.92	-16.78	-20.75	-10.98

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1020	3099.16	11.63	-719.74	-717.50	9.39	-40.45	-2.43	-9.02	-2.98	-8.48	-1.81
		1038	3537.96	11.64	-717.66	-715.41	9.39	-40.45	12.63	1.03	1.15	12.51	1.18
		1037	4357.65	-20.34	-730.75	-730.23	-20.86	-19.28	4.06	-16.46	-12.65	0.24	-7.99
780	10	1019	4517.58	-21.26	-754.45	-754.03	-21.68	-17.57	-8.24	-30.76	-17.47	-21.53	-11.07
		1020	3170.70	10.95	-741.06	-739.03	8.92	-38.99	-2.48	-8.43	-2.82	-8.08	-1.39
		1038	3685.29	10.96	-735.52	-733.48	8.92	-38.99	14.49	1.16	1.54	14.11	2.20
		1037	4455.98	-21.26	-748.90	-748.47	-21.68	-17.57	3.95	-16.40	-13.11	0.66	-7.49
780	11	1019	4388.49	-20.43	-732.62	-732.21	-20.83	-16.97	-7.60	-29.90	-16.77	-20.73	-10.97
		1020	3098.70	11.20	-719.47	-717.49	9.21	-38.01	-2.44	-9.04	-2.99	-8.49	-1.81
		1038	3538.24	11.20	-717.97	-715.99	9.21	-38.01	12.60	1.02	1.14	12.48	1.17
		1037	4354.13	-20.43	-731.12	-730.71	-20.83	-16.97	4.06	-16.47	-12.64	0.24	-7.99
781	1	1018	8188.83	-4.66	-1511.52	-1507.83	-8.34	-74.41	-9.13	-41.37	-25.30	-25.19	-16.12
		1019	6774.66	37.39	-1495.52	-1488.74	30.62	-101.68	-5.00	-18.50	-10.90	-12.60	-6.70
		1037	7302.08	37.38	-1499.29	-1492.53	30.62	-101.68	10.12	-7.56	-6.77	9.33	-3.65
		1036	8355.78	-4.67	-1515.30	-1511.62	-8.34	-74.41	3.62	-28.06	-21.17	-3.27	-13.07
781	2	1018	9006.40	8.56	-1648.58	-1640.80	0.78	-113.28	-10.43	-48.85	-27.24	-32.04	-19.06
		1019	7623.62	49.88	-1634.07	-1622.44	38.25	-139.51	-6.11	-28.03	-14.08	-20.07	-10.54
		1037	7944.51	49.55	-1682.98	-1671.68	38.25	-139.51	1.17	-15.22	-10.76	-3.29	-7.29
		1036	9087.35	8.33	-1697.59	-1690.04	0.78	-113.28	-3.20	-35.98	-23.92	-15.26	-15.81
781	3	1018	8442.52	0.24	-1553.76	-1550.41	-3.11	-72.09	-11.07	-44.22	-26.95	-28.34	-16.56
		1019	6853.51	37.77	-1539.22	-1533.29	31.83	-96.55	-5.99	-18.10	-10.66	-13.43	-5.89
		1037	7405.51	37.83	-1522.08	-1516.08	31.83	-96.55	12.01	-6.07	-5.87	11.81	-1.88
		1036	8511.86	0.28	-1536.59	-1533.20	-3.11	-72.09	3.14	-28.38	-22.15	-3.09	-12.55
781	4	1018	8366.65	-2.79	-1539.48	-1536.87	-5.40	-63.29	-11.16	-44.30	-26.96	-28.50	-16.55
		1019	6768.68	37.65	-1523.50	-1518.32	32.47	-89.80	-6.08	-18.14	-10.58	-13.64	-5.83
		1037	7354.44	37.69	-1510.94	-1505.72	32.47	-89.80	12.07	-5.97	-5.77	11.86	-1.90
		1036	8462.36	-2.77	-1526.90	-1524.27	-5.40	-63.29	3.27	-28.41	-22.15	-2.99	-12.62
781	5	1018	8175.96	-4.09	-1518.82	-1515.47	-7.43	-71.10	-9.35	-41.28	-25.12	-25.50	-15.96
		1019	6834.31	38.77	-1502.34	-1495.96	32.39	-98.97	-5.33	-19.43	-11.41	-13.34	-6.99
		1037	7295.85	38.74	-1510.33	-1503.98	32.39	-98.97	7.98	-8.52	-7.52	6.98	-3.94
		1036	8312.35	-4.11	-1526.82	-1523.50	-7.43	-71.10	2.00	-28.41	-21.23	-5.18	-12.92
781	6	1018	8175.08	-5.49	-1510.62	-1507.37	-8.74	-69.90	-9.12	-41.35	-25.30	-25.17	-16.11
		1019	6764.76	36.89	-1494.29	-1488.06	30.66	-97.48	-5.00	-18.49	-10.90	-12.59	-6.70
		1037	7301.53	36.87	-1499.54	-1493.33	30.66	-97.48	10.13	-7.57	-6.78	9.34	-3.66
		1036	8350.92	-5.50	-1515.88	-1512.63	-8.74	-69.90	3.65	-28.07	-21.18	-3.24	-13.08
781	7	1018	8107.82	-5.09	-1500.34	-1497.48	-7.94	-65.28	-9.78	-41.53	-25.41	-25.89	-15.87
		1019	6677.79	36.08	-1484.27	-1478.66	30.47	-92.17	-5.42	-18.07	-10.73	-12.77	-6.24
		1037	7188.64	36.09	-1479.44	-1473.82	30.47	-92.17	10.22	-6.96	-6.45	9.71	-2.91
		1036	8227.02	-5.08	-1495.50	-1492.64	-7.94	-65.28	3.08	-27.63	-21.13	-3.41	-12.54
781	8	1018	6513.71	0.54	-1198.06	-1195.45	-2.07	-55.87	-8.58	-34.19	-20.82	-21.95	-12.79
		1019	5280.06	29.19	-1186.97	-1182.38	24.60	-74.54	-4.63	-13.91	-8.18	-10.36	-4.51
		1037	5709.40	29.24	-1173.07	-1168.43	24.60	-74.54	9.40	-4.60	-4.46	9.26	-1.38
		1036	6564.98	0.57	-1184.14	-1181.50	-2.07	-55.87	2.45	-21.87	-17.10	-2.32	-9.66
781	9	1018	5813.27	-3.29	-1073.67	-1071.17	-5.78	-51.60	-6.62	-29.47	-18.03	-18.06	-11.42
		1019	4804.20	26.36	-1062.32	-1057.69	21.73	-70.86	-3.64	-13.09	-7.73	-9.00	-4.68
		1037	5174.96	26.36	-1063.34	-1058.72	21.73	-70.86	7.19	-5.27	-4.77	6.69	-2.46
		1036	5922.22	-3.29	-1074.69	-1072.20	-5.78	-51.60	2.46	-19.89	-15.06	-2.37	-9.20
781	10	1018	5954.24	-0.56	-1097.14	-1094.82	-2.87	-50.31	-7.70	-31.05	-18.94	-19.81	-11.67
		1019	4848.15	26.57	-1086.61	-1082.44	22.40	-68.01	-4.20	-12.87	-7.60	-9.47	-4.23
		1037	5232.39	26.61	-1076.01	-1071.80	22.40	-68.01	8.24	-4.44	-4.27	8.07	-1.47
		1036	6009.01	-0.54	-1086.52	-1084.18	-2.87	-50.31	2.19	-20.07	-15.61	-2.27	-8.91
781	11	1018	5805.66	-3.75	-1073.17	-1070.91	-6.00	-49.10	-6.62	-29.46	-18.03	-18.05	-11.42
		1019	4798.76	26.08	-1061.65	-1057.31	21.75	-68.52	-3.64	-13.09	-7.73	-9.00	-4.68
		1037	5174.74	26.08	-1063.49	-1059.16	21.75	-68.52	7.20	-5.28	-4.77	6.69	-2.46
		1036	5919.56	-3.75	-1075.01	-1072.76	-6.00	-49.10	2.47	-19.89	-15.06	-2.36	-9.20
782	1	1017	9545.23	23.80	-1838.73	-1833.44	18.51	-99.12	-6.45	-37.74	-24.97	-19.22	-15.38
		1018	8774.09	51.95	-1828.01	-1820.66	44.60	-117.38	-4.07	-24.42	-16.49	-12.00	-9.92
		1036	9084.00	51.91	-1839.64	-1832.32	44.60	-117.38	4.35	-17.86	-14.20	0.70	-8.24
		1035	9754.89	23.77	-1850.36	-1845.10	18.51	-99.12	1.30	-30.50	-22.68	-6.52	-13.69
782	2	1017	1.059e+04	54.41	-2060.55	-2050.92	44.78	-142.41	-8.26	-42.55	-26.74	-24.08	-17.09
		1018	1.011e+04	88.31	-2048.46	-2035.79	75.65	-164.02	-6.86	-34.63	-21.54	-19.94	-13.87
		1036	1.039e+04	87.91	-2118.19	-2105.93	75.65	-164.02	-5.27	-31.68	-20.77	-16.18	-13.01
		1035	1.085e+04	54.10	-2130.38	-2121.06	44.78	-142.41	-6.66	-39.62	-25.96	-20.31	-16.24
782	3	1017	9786.51	30.70	-1879.42	-1874.24	25.51	-99.40	-8.99	-41.46	-26.86	-23.59	-16.15
		1018	8816.56	55.04	-1870.08	-1863.16	48.12	-115.23	-5.77	-24.45	-16.28	-13.94	-9.27
		1036	9090.36	55.10	-1853.61	-1846.63	48.12	-115.23	5.15	-15.59	-13.18	2.74	-6.65
		1035	9890.26	30.74	-1862.94	-1857.71	25.51	-99.40	0.61	-31.28	-23.76	-6.91	-13.53
782	4	1017	9710.04	25.80	-1865.39	-1861.11	21.52	-89.83	-8.98	-41.42	-26.84	-23.55	-16.14
		1018	8735.28	51.52	-1855.33	-1849.35	45.54	-106.64	-5.78	-24.36	-16.21	-13.94	-9.22
		1036	9041.98	51.56	-1844.39	-1838.37	45.54	-106.64	5.34	-15.51	-13.09	2.93	-6.67
		1035	9844.14	25.82	-1854.44	-1850.14	21.52	-89.83	0.83	-31.24	-23.73	-6.69	-13.58
782	5	1017	9524.07	25.46	-1847.59	-1842.82	20.69	-94.41	-6.85	-37.45	-24.74	-19.57	-15.08

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		1018	8841.71	53.96	-1836.61	-1829.84	47.19	-112.95	-4.73	-25.49	-17.19	-13.03	-10.17
		1036	9084.16	53.92	-1848.53	-1841.80	47.19	-112.95	2.10	-19.44	-15.15	-2.20	-8.61
		1035	9688.02	25.43	-1859.53	-1854.79	20.69	-94.41	-0.50	-30.93	-22.69	-8.73	-13.52
782	6	1017	9530.22	22.40	-1837.21	-1832.41	17.60	-94.34	-6.43	-37.71	-24.97	-19.18	-15.37
		1018	8760.07	50.84	-1826.27	-1819.46	44.03	-112.84	-4.06	-24.39	-16.49	-11.97	-9.91
		1036	9079.85	50.79	-1839.69	-1832.93	44.03	-112.84	4.40	-17.85	-14.20	0.75	-8.24
		1035	9749.45	22.36	-1850.65	-1845.88	17.60	-94.34	1.35	-30.49	-22.68	-6.46	-13.70
782	7	1017	9434.87	22.73	-1821.13	-1816.71	18.32	-90.11	-7.38	-38.28	-25.17	-20.49	-15.27
		1018	8628.29	49.43	-1810.76	-1804.52	43.19	-107.52	-4.80	-24.12	-16.28	-12.64	-9.48
		1036	8896.55	49.43	-1809.96	-1803.72	43.19	-107.52	4.12	-16.91	-13.75	0.96	-7.52
		1035	9585.55	22.73	-1820.33	-1815.91	18.32	-90.11	0.70	-30.22	-22.63	-6.89	-13.31
782	8	1017	7548.38	23.99	-1448.80	-1444.76	19.95	-77.06	-7.01	-32.09	-20.76	-18.34	-12.48
		1018	6790.01	42.62	-1441.66	-1436.28	37.25	-89.17	-4.48	-18.81	-12.50	-10.79	-7.11
		1036	7004.08	42.67	-1428.33	-1422.91	37.25	-89.17	4.08	-11.89	-10.08	2.27	-5.06
		1035	7627.42	24.03	-1435.47	-1431.38	19.95	-77.06	0.50	-24.12	-18.34	-5.28	-10.43
782	9	1017	6772.95	17.04	-1305.31	-1301.68	13.40	-69.20	-4.77	-26.95	-17.81	-13.92	-10.92
		1018	6218.22	36.70	-1297.79	-1292.74	31.64	-81.97	-3.05	-17.33	-11.71	-8.67	-6.98
		1036	6428.87	36.67	-1303.44	-1298.41	31.64	-81.97	3.03	-12.54	-10.03	0.52	-5.73
		1035	6909.37	17.02	-1310.96	-1307.34	13.40	-69.20	0.79	-21.65	-16.13	-4.73	-9.67
782	10	1017	6906.93	20.87	-1327.92	-1324.34	17.29	-69.36	-6.19	-29.02	-18.85	-16.35	-11.35
		1018	6241.93	38.41	-1321.17	-1316.35	33.60	-80.77	-3.99	-17.35	-11.59	-9.75	-6.62
		1036	6432.31	38.45	-1311.21	-1306.36	33.60	-80.77	3.47	-11.28	-9.47	1.65	-4.85
		1035	6984.62	20.89	-1317.95	-1314.35	17.29	-69.36	0.40	-22.09	-16.73	-4.95	-9.58
782	11	1017	6764.62	16.26	-1304.47	-1301.11	12.90	-66.54	-4.76	-26.94	-17.81	-13.90	-10.91
		1018	6210.47	36.08	-1296.83	-1292.07	31.33	-79.44	-3.04	-17.32	-11.70	-8.65	-6.97
		1036	6426.62	36.06	-1303.47	-1298.75	31.33	-79.44	3.05	-12.54	-10.03	0.54	-5.73
		1035	6906.37	16.24	-1311.12	-1307.78	12.90	-66.54	0.82	-21.65	-16.13	-4.70	-9.67
783	1	1016	1.021e+04	52.31	-2011.43	-2006.74	47.63	-98.22	-3.41	-32.87	-23.19	-13.09	-13.84
		1017	9964.06	70.22	-2004.38	-1998.54	64.38	-109.94	-2.50	-28.42	-20.21	-10.71	-12.06
		1035	1.009e+04	70.20	-2010.88	-2005.05	64.38	-109.94	0.23	-26.28	-19.59	-6.46	-11.51
		1034	1.032e+04	52.30	-2017.93	-2013.26	47.63	-98.22	-0.74	-30.67	-22.57	-8.84	-13.29
783	2	1016	1.162e+04	92.78	-2326.18	-2317.60	84.21	-143.79	-4.77	-34.22	-24.57	-14.43	-13.82
		1017	1.184e+04	125.00	-2314.22	-2303.07	113.85	-164.54	-6.03	-38.99	-27.03	-17.99	-15.85
		1035	1.217e+04	124.54	-2418.63	-2407.94	113.85	-164.54	-10.67	-45.36	-28.95	-27.08	-17.32
		1034	1.193e+04	92.43	-2430.69	-2422.46	84.21	-143.79	-9.64	-40.37	-26.48	-23.52	-15.29
783	3	1016	1.041e+04	59.95	-2048.50	-2043.51	54.96	-102.48	-6.42	-37.01	-25.16	-18.26	-14.90
		1017	9975.24	73.64	-2043.12	-2037.24	67.75	-111.43	-4.67	-28.85	-20.03	-13.49	-11.64
		1035	1.004e+04	73.71	-2017.53	-2011.58	67.75	-111.43	0.52	-24.05	-18.55	-4.97	-10.24
		1034	1.043e+04	60.01	-2022.90	-2017.85	54.96	-102.48	-1.52	-31.91	-23.68	-9.74	-13.50
783	4	1016	1.034e+04	54.29	-2034.14	-2030.12	50.27	-91.52	-6.32	-36.95	-25.15	-18.12	-14.91
		1017	9892.32	69.26	-2028.13	-2023.22	64.35	-101.37	-4.61	-28.70	-19.95	-13.36	-11.59
		1035	9986.90	69.31	-2008.72	-2003.76	64.35	-101.37	0.83	-23.87	-18.43	-4.61	-10.24
		1034	1.039e+04	54.32	-2014.71	-2010.66	50.27	-91.52	-1.18	-31.82	-23.63	-9.37	-13.56
783	5	1016	1.018e+04	54.33	-2020.08	-2015.93	50.19	-92.62	-3.96	-32.48	-22.94	-13.50	-13.46
		1017	1.003e+04	72.38	-2012.88	-2007.63	67.13	-104.48	-3.42	-29.56	-21.01	-11.97	-12.26
		1035	1.009e+04	72.37	-2016.89	-2011.65	67.13	-104.48	-1.97	-28.27	-20.62	-9.62	-11.95
		1034	1.024e+04	54.32	-2024.09	-2019.96	50.19	-92.62	-2.53	-31.18	-22.55	-11.15	-13.14
783	6	1016	1.019e+04	50.33	-2009.15	-2004.94	46.11	-93.10	-3.37	-32.84	-23.19	-13.02	-13.83
		1017	9945.73	68.60	-2001.89	-1996.54	63.25	-105.10	-2.48	-28.38	-20.20	-10.66	-12.04
		1035	1.008e+04	68.57	-2010.51	-2005.19	63.25	-105.10	0.30	-26.24	-19.58	-6.37	-11.51
		1034	1.031e+04	50.31	-2017.78	-2013.58	46.11	-93.10	-0.66	-30.64	-22.57	-8.73	-13.30
783	7	1016	1.007e+04	50.71	-1988.35	-1984.34	46.70	-90.28	-4.59	-33.69	-23.46	-14.82	-13.90
		1017	9778.62	66.90	-1981.87	-1976.89	61.92	-100.93	-3.47	-28.25	-19.97	-11.76	-11.69
		1035	9854.92	66.92	-1974.30	-1969.29	61.92	-100.93	-0.06	-25.28	-19.03	-6.32	-10.89
		1034	1.013e+04	50.72	-1980.77	-1976.75	46.70	-90.28	-1.30	-30.61	-22.52	-9.38	-13.10
783	8	1016	8029.12	46.45	-1579.00	-1575.09	42.54	-79.69	-5.04	-28.68	-19.46	-14.26	-11.53
		1017	7681.75	56.85	-1574.92	-1570.33	52.25	-86.49	-3.65	-22.20	-15.39	-10.46	-8.94
		1035	7731.00	56.91	-1554.72	-1550.07	52.25	-86.49	0.49	-18.38	-14.21	-3.68	-7.83
		1034	8046.41	46.50	-1558.80	-1554.83	42.54	-79.69	-1.14	-24.61	-18.28	-7.47	-10.41
783	9	1016	7239.49	37.37	-1427.16	-1423.93	34.14	-68.71	-2.66	-23.55	-16.55	-9.65	-9.86
		1017	7057.69	49.74	-1422.27	-1418.25	45.72	-76.81	-1.98	-20.21	-14.35	-7.84	-8.51
		1035	7133.10	49.73	-1423.67	-1419.66	45.72	-76.81	0.08	-18.53	-13.85	-4.60	-8.08
		1034	7306.26	37.37	-1428.56	-1425.33	34.14	-68.71	-0.66	-21.82	-16.05	-6.42	-9.42
783	10	1016	7352.08	41.61	-1447.75	-1444.35	38.21	-71.07	-4.33	-25.84	-17.65	-12.53	-10.45
		1017	7064.00	51.63	-1443.80	-1439.76	47.59	-77.64	-3.18	-20.44	-14.25	-9.38	-8.28
		1035	7104.73	51.68	-1427.37	-1423.28	47.59	-77.64	0.24	-17.29	-13.27	-3.78	-7.37
		1034	7368.80	41.65	-1431.31	-1427.88	38.21	-71.07	-1.09	-22.51	-16.67	-6.92	-9.54
783	11	1016	7229.80	36.27	-1425.90	-1422.92	33.30	-65.86	-2.64	-23.53	-16.55	-9.61	-9.85
		1017	7047.54	48.84	-1420.89	-1417.15	45.09	-74.12	-1.96	-20.18	-14.34	-7.80	-8.50
		1035	7128.79	48.83	-1423.47	-1419.73	45.09	-74.12	0.12	-18.51	-13.84	-4.55	-8.08
		1034	7302.34	36.27	-1428.47	-1425.51	33.30	-65.86	-0.61	-21.80	-16.05	-6.36	-9.42
784	1	1015	1.011e+04	77.30	-2020.05	-2016.51	73.76	-86.12	0.12	-26.13	-19.68	-6.33	-11.29

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1016	1.031e+04	75.74	-2020.69	-2017.23	72.28	-85.08	-0.70	-30.20	-22.15	-8.75	-13.14
		1034	1.027e+04	75.74	-2020.28	-2016.83	72.28	-85.08	-3.29	-32.66	-23.17	-12.78	-13.74
		1033	1.006e+04	77.31	-2019.64	-2016.10	73.76	-86.12	-2.56	-28.49	-20.70	-10.35	-11.89
784	2	1015	1.156e+04	114.12	-2376.64	-2373.40	110.87	-89.85	2.06	-20.73	-17.92	-0.75	-7.49
		1016	1.255e+04	151.62	-2361.25	-2356.00	146.37	-114.70	-3.44	-41.14	-30.78	-13.81	-16.83
		1034	1.277e+04	151.42	-2458.81	-2453.76	146.37	-114.70	-16.47	-57.50	-36.17	-37.80	-20.50
		1033	1.155e+04	113.99	-2474.28	-2471.16	110.87	-89.85	-12.85	-35.21	-23.31	-24.74	-11.16
784	3	1015	1.026e+04	85.33	-2053.04	-2048.79	81.08	-95.26	-3.29	-30.29	-21.63	-11.95	-12.60
		1016	1.030e+04	79.09	-2055.57	-2051.67	75.19	-91.13	-3.16	-30.96	-22.00	-12.13	-12.99
		1034	1.018e+04	79.15	-2020.43	-2016.46	75.19	-91.13	-3.18	-30.85	-22.16	-11.87	-12.84
		1033	1.015e+04	85.40	-2017.90	-2013.58	81.08	-95.26	-3.30	-30.17	-21.79	-11.69	-12.45
784	4	1015	1.018e+04	79.12	-2036.82	-2033.61	75.91	-82.32	-3.07	-30.17	-21.58	-11.66	-12.61
		1016	1.021e+04	74.42	-2038.77	-2035.80	71.44	-79.19	-3.00	-30.77	-21.91	-11.86	-12.95
		1034	1.013e+04	74.46	-2011.25	-2008.24	71.44	-79.19	-2.79	-30.61	-22.02	-11.39	-12.86
		1033	1.010e+04	79.16	-2009.31	-2006.06	75.91	-82.32	-2.86	-30.01	-21.68	-11.19	-12.52
784	5	1015	1.007e+04	79.12	-2027.04	-2024.00	76.08	-80.01	-0.48	-25.63	-19.41	-6.70	-10.85
		1016	1.036e+04	77.63	-2027.66	-2024.69	74.66	-79.02	-1.78	-31.32	-22.98	-10.12	-13.30
		1034	1.027e+04	77.64	-2023.39	-2020.41	74.66	-79.02	-5.29	-34.92	-24.21	-16.00	-14.24
		1033	9961.96	79.13	-2022.77	-2019.72	76.08	-80.01	-4.15	-29.06	-20.63	-12.58	-11.79
784	6	1015	1.009e+04	74.70	-2016.62	-2013.51	71.59	-80.62	0.19	-26.07	-19.67	-6.21	-11.27
		1016	1.029e+04	73.55	-2017.10	-2014.04	70.49	-79.85	-0.65	-30.14	-22.14	-8.65	-13.12
		1034	1.025e+04	73.54	-2019.23	-2016.18	70.49	-79.85	-3.20	-32.61	-23.15	-12.66	-13.74
		1033	1.005e+04	74.70	-2018.75	-2015.64	71.59	-80.62	-2.45	-28.44	-20.68	-10.21	-11.89
784	7	1015	9942.94	75.24	-1992.91	-1989.84	72.17	-79.63	-1.26	-27.06	-19.99	-8.34	-11.51
		1016	1.010e+04	72.16	-1994.20	-1991.28	69.24	-77.58	-1.82	-30.15	-21.89	-10.09	-12.88
		1034	1.002e+04	72.18	-1979.73	-1976.79	69.24	-77.58	-3.51	-31.80	-22.55	-12.76	-13.27
		1033	9853.23	75.26	-1978.45	-1975.36	72.17	-79.63	-2.98	-28.67	-20.65	-11.01	-11.90
784	8	1015	7913.59	65.96	-1582.64	-1579.27	62.59	-74.44	-2.64	-23.50	-16.74	-9.41	-9.77
		1016	7932.98	60.96	-1584.66	-1581.58	57.88	-71.14	-2.49	-23.84	-16.90	-9.43	-9.99
		1034	7845.17	61.01	-1557.11	-1553.98	57.88	-71.14	-2.38	-23.62	-17.00	-9.01	-9.84
		1033	7825.84	66.01	-1555.10	-1551.67	62.59	-74.44	-2.53	-23.29	-16.83	-8.99	-9.61
784	9	1015	7164.18	55.15	-1432.51	-1430.06	52.70	-60.31	-0.19	-18.77	-14.06	-4.90	-8.08
		1016	7299.98	53.73	-1433.10	-1430.72	51.35	-59.37	-0.73	-21.50	-15.72	-6.50	-9.30
		1034	7256.77	53.74	-1429.35	-1426.96	51.35	-59.37	-2.41	-23.10	-16.38	-9.13	-9.69
		1033	7115.03	55.16	-1428.76	-1426.30	52.70	-60.31	-1.93	-20.32	-14.72	-7.52	-8.46
784	10	1015	7248.33	59.61	-1450.83	-1447.99	56.77	-65.39	-2.09	-21.08	-15.15	-8.02	-8.80
		1016	7294.15	55.58	-1452.47	-1449.85	52.97	-62.73	-2.10	-21.92	-15.64	-8.38	-9.22
		1034	7210.86	55.63	-1429.42	-1426.76	52.97	-62.73	-2.35	-22.10	-15.82	-8.62	-9.19
		1033	7164.79	59.65	-1427.78	-1424.90	56.77	-65.39	-2.34	-21.25	-15.33	-8.27	-8.77
784	11	1015	7152.09	53.71	-1430.60	-1428.39	51.50	-57.26	-0.15	-18.73	-14.06	-4.83	-8.06
		1016	7287.08	52.51	-1431.10	-1428.95	50.36	-56.46	-0.70	-21.46	-15.72	-6.45	-9.29
		1034	7249.82	52.52	-1428.76	-1426.60	50.36	-56.46	-2.36	-23.07	-16.37	-9.06	-9.69
		1033	7108.86	53.71	-1428.26	-1426.05	51.50	-57.26	-1.87	-20.29	-14.71	-7.45	-8.46
785	1	1014	9252.85	91.19	-1867.70	-1865.61	89.09	-64.00	4.43	-17.53	-14.37	1.27	-7.71
		1015	9841.25	74.04	-1875.09	-1873.68	72.63	-52.48	1.37	-29.73	-22.36	-6.00	-13.23
		1033	9654.00	74.05	-1869.46	-1868.04	72.63	-52.48	-6.43	-37.07	-25.03	-18.48	-14.97
		1032	8967.35	91.19	-1862.07	-1859.97	89.09	-64.00	-4.23	-24.01	-17.04	-11.21	-9.45
785	2	1014	1.055e+04	126.88	-2168.94	-2167.51	125.45	-57.30	8.35	-12.35	-12.01	8.02	-2.61
		1015	1.174e+04	100.19	-2180.89	-2180.22	99.52	-39.15	-2.18	-38.73	-30.88	-10.03	-15.01
		1033	1.150e+04	100.19	-2177.57	-2176.90	99.52	-39.15	-18.47	-59.33	-36.76	-41.05	-20.32
		1032	9786.40	126.88	-2165.63	-2164.19	125.45	-57.30	-12.13	-28.76	-17.89	-23.00	-7.91
785	3	1014	9343.16	98.75	-1897.00	-1893.80	95.55	-79.77	0.52	-21.32	-16.24	-4.56	-9.23
		1015	9815.26	75.95	-1906.54	-1904.44	73.85	-64.58	-1.26	-30.73	-22.22	-9.78	-13.36
		1033	9557.69	76.00	-1863.25	-1861.10	73.85	-64.58	-6.28	-35.83	-24.07	-18.04	-14.47
		1032	9035.68	98.82	-1853.73	-1850.46	95.55	-79.77	-4.79	-26.13	-18.09	-12.82	-10.34
785	4	1014	9241.67	92.37	-1876.62	-1874.61	90.36	-62.94	1.05	-20.95	-16.02	-3.88	-9.17
		1015	9720.47	72.33	-1885.31	-1884.06	71.08	-49.44	-0.91	-30.56	-22.18	-9.29	-13.35
		1033	9500.21	72.35	-1853.69	-1852.42	71.08	-49.44	-5.94	-35.75	-24.00	-17.70	-14.57
		1032	8969.10	92.40	-1845.02	-1842.97	90.36	-62.94	-4.31	-25.82	-17.84	-12.29	-10.39
785	5	1014	9210.01	92.43	-1871.76	-1870.09	90.76	-57.22	3.99	-16.92	-14.03	1.10	-7.21
		1015	9874.63	75.63	-1879.11	-1878.03	74.55	-45.88	0.28	-30.78	-23.19	-7.31	-13.35
		1033	9662.59	75.63	-1869.68	-1868.60	74.55	-45.88	-8.12	-39.52	-26.05	-21.59	-15.54
		1032	8867.29	92.43	-1862.34	-1860.66	90.76	-57.22	-5.45	-24.62	-16.89	-13.18	-9.40
785	6	1014	9224.76	88.17	-1862.40	-1860.69	86.46	-57.78	4.61	-17.42	-14.31	1.50	-7.67
		1015	9812.71	71.57	-1869.65	-1868.53	70.46	-46.58	1.48	-29.67	-22.36	-5.84	-13.20
		1033	9636.12	71.58	-1867.42	-1866.30	70.46	-46.58	-6.36	-37.05	-25.02	-18.38	-14.98
		1032	8948.37	88.17	-1860.18	-1858.46	86.46	-57.78	-4.11	-23.91	-16.98	-11.04	-9.44
785	7	1014	9061.00	88.76	-1838.00	-1836.20	86.96	-58.89	2.92	-18.34	-14.65	-0.78	-8.06
		1015	9621.20	70.58	-1845.92	-1844.78	69.44	-46.62	0.22	-29.81	-22.12	-7.47	-13.10
		1033	9409.36	70.59	-1827.92	-1826.78	69.44	-46.62	-6.52	-36.53	-24.42	-18.63	-14.72
		1032	8764.98	88.78	-1820.01	-1818.19	86.96	-58.89	-4.45	-24.44	-16.96	-11.93	-9.67
785	8	1014	7205.28	76.26	-1462.77	-1460.18	73.68	-62.99	0.27	-16.60	-12.60	-3.73	-7.18

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1015	7560.12	58.38	-1470.23	-1468.52	56.67	-51.08	-1.04	-23.66	-17.07	-7.63	-10.28
		1033	7362.90	58.42	-1436.13	-1434.38	56.67	-51.08	-4.78	-27.46	-18.47	-13.77	-11.09
		1032	6971.97	76.32	-1428.69	-1426.05	73.68	-62.99	-3.68	-20.18	-13.99	-9.87	-7.99
785	9	1014	6548.97	64.97	-1323.63	-1322.18	63.53	-44.79	2.84	-12.63	-10.28	0.49	-5.55
		1015	6963.39	52.59	-1328.97	-1328.01	51.63	-36.46	0.73	-21.19	-15.88	-4.58	-9.39
		1033	6821.64	52.60	-1321.67	-1320.70	51.63	-36.46	-4.62	-26.30	-17.71	-13.22	-10.61
		1032	6339.79	64.98	-1316.33	-1314.87	63.53	-44.79	-3.08	-17.18	-12.11	-8.15	-6.77
785	10	1014	6598.60	69.15	-1339.88	-1337.84	67.11	-53.55	0.67	-14.73	-11.32	-2.74	-6.40
		1015	6948.95	53.64	-1346.43	-1345.10	52.31	-43.18	-0.73	-21.74	-15.80	-6.67	-9.47
		1033	6768.10	53.67	-1318.21	-1316.85	52.31	-43.18	-4.53	-25.62	-17.18	-12.98	-10.33
		1032	6377.68	69.19	-1311.67	-1309.59	67.11	-53.55	-3.38	-18.36	-12.70	-9.04	-7.26
785	11	1014	6533.27	63.30	-1320.68	-1319.45	62.06	-41.33	2.94	-12.56	-10.25	0.62	-5.53
		1015	6947.51	51.22	-1325.95	-1325.15	50.42	-33.18	0.79	-21.15	-15.87	-4.49	-9.38
		1033	6811.69	51.22	-1320.54	-1319.74	50.42	-33.18	-4.58	-26.29	-17.70	-13.16	-10.62
		1032	6329.19	63.30	-1315.27	-1314.03	62.06	-41.33	-3.01	-17.12	-12.08	-8.05	-6.76
786	1	1013	7699.48	98.14	-1553.72	-1553.17	97.59	-30.07	10.60	-7.60	-7.12	10.12	-2.93
		1014	8567.16	66.14	-1568.64	-1568.60	66.10	-8.03	3.73	-27.12	-20.98	-2.41	-12.32
		1032	8305.19	66.14	-1565.67	-1565.63	66.10	-8.03	-9.23	-40.05	-25.38	-23.90	-15.39
		1031	7086.39	98.14	-1550.75	-1550.20	97.59	-30.07	-5.45	-17.45	-11.52	-11.37	-6.00
786	2	1013	8862.68	129.56	-1794.59	-1794.50	129.47	-12.62	15.87	-5.36	-5.16	15.67	2.05
		1014	1.003e+04	93.39	-1812.31	-1812.22	93.31	12.70	-0.13	-33.48	-27.79	-5.82	-12.54
		1032	9602.60	93.39	-1762.75	-1762.66	93.31	12.70	-18.21	-56.67	-34.23	-40.65	-18.96
		1031	7563.17	129.56	-1745.02	-1744.94	129.47	-12.62	-9.59	-21.16	-11.59	-19.16	-4.37
786	3	1013	7700.16	102.36	-1581.66	-1579.78	100.49	-56.14	5.70	-10.41	-8.93	4.22	-4.65
		1014	8532.24	62.77	-1599.04	-1598.52	62.25	-29.38	0.96	-28.19	-20.80	-6.43	-12.68
		1032	8201.09	62.78	-1549.76	-1549.23	62.25	-29.38	-8.79	-39.28	-24.41	-23.66	-15.24
		1031	7120.81	102.42	-1532.42	-1530.49	100.49	-56.14	-5.56	-20.00	-12.54	-13.02	-7.21
786	4	1013	7573.75	98.36	-1551.53	-1550.97	97.80	-30.38	6.99	-9.55	-8.29	5.73	-4.38
		1014	8427.07	64.45	-1567.36	-1567.33	64.42	-7.01	1.70	-28.14	-20.89	-5.54	-12.79
		1032	8162.07	64.45	-1544.28	-1544.25	64.42	-7.01	-8.74	-39.88	-24.63	-23.99	-15.57
		1031	7029.95	98.37	-1528.46	-1527.89	97.80	-30.38	-5.21	-19.53	-12.03	-12.72	-7.15
786	5	1013	7657.83	98.92	-1552.74	-1552.45	98.64	-21.57	10.69	-6.97	-6.65	10.37	-2.37
		1014	8581.65	67.99	-1567.47	-1567.47	67.99	-0.12	2.82	-28.04	-21.76	-3.46	-12.42
		1032	8329.46	67.99	-1563.43	-1563.43	67.99	-0.12	-10.53	-42.62	-26.36	-26.78	-16.04
		1031	6983.24	98.92	-1548.69	-1548.41	98.64	-21.57	-6.05	-18.16	-11.25	-12.96	-5.99
786	6	1013	7665.48	95.77	-1544.91	-1544.61	95.47	-22.02	11.00	-7.40	-6.96	10.55	-2.83
		1014	8531.47	64.70	-1559.70	-1559.70	64.70	-0.48	3.95	-27.08	-20.99	-2.14	-12.32
		1032	8284.61	64.70	-1563.10	-1563.10	64.70	-0.48	-9.22	-40.15	-25.44	-23.93	-15.45
		1031	7057.39	95.77	-1548.31	-1548.02	95.47	-22.02	-5.36	-17.28	-11.40	-11.24	-5.96
786	7	1013	7483.65	95.75	-1522.14	-1521.74	95.36	-25.35	9.02	-7.97	-7.29	8.33	-3.35
		1014	8351.66	63.71	-1537.26	-1537.25	63.70	-3.20	2.69	-27.31	-20.79	-3.84	-12.37
		1032	8095.48	63.71	-1526.79	-1526.79	63.70	-3.20	-9.19	-40.03	-24.90	-24.32	-15.42
		1031	6892.42	95.76	-1511.68	-1511.28	95.36	-25.35	-5.37	-18.17	-11.39	-12.15	-6.39
786	8	1013	5939.51	78.90	-1220.61	-1219.00	77.29	-45.67	4.18	-8.19	-6.98	2.98	-3.67
		1014	6573.85	47.79	-1234.16	-1233.69	47.31	-24.69	0.65	-21.70	-15.97	-5.08	-9.76
		1032	6316.33	47.81	-1194.29	-1193.80	47.31	-24.69	-6.71	-30.09	-18.72	-18.08	-11.69
		1031	5497.59	78.95	-1180.77	-1179.11	77.29	-45.67	-4.28	-15.47	-9.73	-10.02	-5.59
786	9	1013	5438.86	69.81	-1099.94	-1099.57	69.44	-20.71	7.21	-5.49	-5.10	6.83	-2.17
		1014	6057.24	47.09	-1110.56	-1110.54	47.06	-5.05	2.43	-19.35	-14.90	-2.02	-8.78
		1032	5868.25	47.09	-1105.95	-1105.92	47.06	-5.05	-6.58	-28.52	-17.98	-17.12	-10.96
		1031	5002.90	69.81	-1095.33	-1094.96	69.44	-20.71	-3.88	-12.57	-8.18	-8.27	-4.35
786	10	1013	5437.60	72.09	-1115.40	-1114.35	71.05	-35.19	4.47	-7.03	-6.11	3.55	-3.13
		1014	6037.60	45.17	-1127.40	-1127.16	44.92	-16.91	0.89	-19.94	-14.80	-4.25	-8.98
		1032	5810.43	45.17	-1097.06	-1096.81	44.92	-16.91	-6.33	-28.10	-17.44	-16.99	-10.88
		1031	5021.58	72.12	-1085.08	-1084.01	71.05	-35.19	-3.94	-13.99	-8.75	-9.18	-5.02
786	11	1013	5419.75	68.49	-1095.04	-1094.82	68.26	-16.24	7.43	-5.37	-5.01	7.07	-2.11
		1014	6037.33	46.28	-1105.59	-1105.59	46.28	-0.85	2.55	-19.33	-14.91	-1.87	-8.78
		1032	5856.78	46.28	-1104.52	-1104.52	46.28	-0.85	-6.57	-28.57	-18.01	-17.14	-10.99
		1031	4986.65	68.49	-1093.97	-1093.75	68.26	-16.24	-3.83	-12.48	-8.11	-8.20	-4.33
787	1	1012	5648.52	75.78	-1100.26	-1100.05	75.57	15.73	18.62	0.69	0.98	18.32	2.28
		1013	6487.89	42.11	-1118.51	-1117.13	40.72	40.12	5.90	-22.30	-17.76	1.36	-10.37
		1031	6228.80	42.13	-1103.37	-1101.97	40.72	40.12	-10.68	-40.05	-23.59	-27.14	-14.57
		1030	4666.31	75.79	-1085.10	-1084.89	75.57	15.73	-4.23	-10.80	-4.86	-10.17	-1.93
787	2	1012	6672.53	83.97	-1276.73	-1276.41	83.66	20.71	25.95	0.80	2.92	23.83	6.98
		1013	7516.49	38.38	-1301.84	-1299.67	36.20	53.93	2.78	-26.26	-22.75	-0.73	-9.47
		1031	7076.02	38.55	-1203.63	-1201.29	36.20	53.93	-16.38	-51.36	-29.70	-38.04	-16.99
		1030	5334.33	84.00	-1178.37	-1178.03	83.66	20.71	-4.00	-13.51	-4.03	-13.48	-0.54
787	3	1012	5533.33	78.35	-1134.61	-1133.45	77.18	-37.57	12.82	-0.69	-0.67	12.81	0.44
		1013	6506.08	21.64	-1160.67	-1160.66	21.64	1.31	3.02	-23.37	-17.65	-2.70	-10.87
		1031	6120.95	21.64	-1061.48	-1061.48	21.64	1.31	-9.68	-39.77	-22.59	-26.86	-14.90
		1030	4477.28	78.45	-1035.53	-1034.26	77.18	-37.57	-3.89	-13.08	-5.62	-11.35	-3.58
787	4	1012	5373.43	70.45	-1081.46	-1081.03	70.01	22.37	15.32	0.45	0.52	15.25	1.05

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		1013	6305.94	42.93	-1096.66	-1095.08	41.35	42.44	4.41	-23.42	-17.76	-1.25	-11.20
		1031	6147.09	42.95	-1080.94	-1079.34	41.35	42.44	-10.32	-41.39	-23.28	-28.43	-15.32
		1030	4706.88	70.45	-1065.73	-1065.29	70.01	22.37	-3.84	-13.09	-5.01	-11.93	-3.07
787	5	1012	5620.30	74.03	-1090.55	-1089.67	73.15	31.93	19.52	1.15	1.61	19.06	2.88
		1013	6459.86	46.85	-1106.06	-1103.71	44.50	51.99	5.37	-23.02	-18.40	0.75	-10.47
		1031	6270.97	46.86	-1100.63	-1098.27	44.50	51.99	-11.63	-42.53	-24.49	-29.68	-15.23
		1030	4782.77	74.03	-1085.11	-1084.23	73.15	31.93	-4.00	-11.84	-4.47	-11.37	-1.87
787	6	1012	5614.81	74.57	-1084.64	-1083.79	73.72	31.27	19.30	0.94	1.27	18.96	2.45
		1013	6426.29	46.12	-1100.87	-1098.49	43.74	52.25	6.28	-22.27	-17.76	1.77	-10.41
		1031	6211.13	46.12	-1103.78	-1101.40	43.74	52.25	-10.83	-40.32	-23.73	-27.42	-14.63
		1030	4695.25	74.56	-1087.55	-1086.70	73.72	31.27	-4.17	-10.75	-4.70	-10.23	-1.78
787	7	1012	5410.01	72.03	-1065.56	-1064.96	71.43	26.23	17.28	0.81	1.02	17.06	1.88
		1013	6272.59	44.04	-1081.27	-1079.33	42.10	46.76	5.14	-22.58	-17.62	0.18	-10.62
		1031	6090.88	44.06	-1073.53	-1071.57	42.10	46.76	-10.62	-40.70	-23.33	-28.00	-14.86
		1030	4643.53	72.03	-1057.81	-1057.20	71.43	26.23	-3.91	-11.89	-4.68	-11.12	-2.36
787	8	1012	4272.26	61.12	-878.15	-876.90	59.86	-34.25	9.56	-0.65	-0.65	9.56	0.24
		1013	5022.65	14.74	-899.02	-899.01	14.73	-2.65	2.20	-17.99	-13.56	-2.24	-8.36
		1031	4710.13	14.74	-816.18	-816.17	14.73	-2.65	-7.36	-30.44	-17.30	-20.49	-11.43
		1030	3428.23	61.24	-795.43	-794.06	59.86	-34.25	-2.99	-10.10	-4.39	-8.69	-2.83
787	9	1012	3974.15	53.22	-776.93	-776.73	53.03	12.84	12.95	0.50	0.69	12.76	1.53
		1013	4577.69	30.42	-789.38	-788.33	29.36	29.40	4.02	-15.94	-12.62	0.70	-7.43
		1031	4404.36	30.43	-778.64	-777.57	29.36	29.40	-7.59	-28.64	-16.74	-19.49	-10.43
		1030	3313.76	53.23	-766.18	-765.98	53.03	12.84	-2.95	-7.92	-3.43	-7.44	-1.47
787	10	1012	3904.02	54.25	-795.62	-795.29	53.92	-16.77	9.72	-0.25	-0.22	9.69	0.51
		1013	4586.59	18.83	-812.59	-812.52	18.76	7.84	2.42	-16.53	-12.56	-1.55	-7.71
		1031	4343.98	18.84	-755.16	-755.08	18.76	7.84	-7.03	-28.49	-16.18	-19.34	-10.61
		1030	3208.41	54.27	-738.20	-737.85	53.92	-16.77	-2.78	-9.17	-3.85	-8.10	-2.39
787	11	1012	3955.08	52.56	-768.27	-767.70	52.00	21.47	13.32	0.64	0.86	13.11	1.63
		1013	4543.20	32.65	-779.58	-777.97	31.04	36.14	4.23	-15.92	-12.62	0.93	-7.45
		1031	4394.39	32.65	-778.87	-777.25	31.04	36.14	-7.67	-28.79	-16.82	-19.65	-10.46
		1030	3330.10	52.56	-767.55	-766.98	52.00	21.47	-2.92	-7.89	-3.34	-7.47	-1.38
788	1	173	2841.08	-50.81	-544.36	-520.54	-74.63	105.77	17.36	3.58	5.13	15.81	4.35
		1012	3074.66	-32.14	-523.57	-507.56	-48.14	87.23	5.07	-13.54	-10.39	1.92	-6.98
		1030	3050.59	-29.69	-460.38	-441.92	-48.14	87.23	-7.68	-27.44	-15.86	-19.26	-9.74
		174	1961.36	-47.19	-482.34	-454.90	-74.63	105.77	0.12	-5.83	-0.34	-5.37	1.59
788	2	173	3581.91	-142.83	-685.25	-660.95	-167.13	112.21	24.81	3.46	7.15	21.12	8.08
		1012	3719.26	-99.79	-642.39	-632.70	-109.47	71.85	3.75	-15.20	-13.37	1.92	-5.59
		1030	3411.78	-92.97	-422.22	-405.71	-109.47	71.85	-10.32	-32.60	-18.98	-23.95	-10.86
		174	1883.76	-126.22	-474.87	-433.96	-167.13	112.21	2.61	-5.82	1.54	-4.75	2.81
788	3	173	2559.95	-190.43	-631.91	-626.09	-196.25	50.35	11.69	3.73	4.35	11.06	2.15
		1012	3392.51	-118.53	-588.05	-588.02	-118.56	-4.03	3.34	-15.18	-10.53	-1.31	-8.03
		1030	3043.47	-118.47	-299.66	-299.57	-118.56	-4.03	-6.57	-27.78	-14.71	-19.64	-10.32
		174	1451.57	-180.15	-353.73	-337.63	-196.25	50.35	0.17	-7.27	0.17	-7.27	-0.14
788	4	173	2672.28	-7.38	-486.68	-456.85	-37.21	115.79	16.59	4.29	5.70	15.18	3.92
		1012	2835.70	-2.15	-479.71	-452.84	-29.02	110.06	4.42	-14.84	-10.59	0.16	-7.99
		1030	3393.49	-1.78	-473.67	-446.43	-29.02	110.06	-7.73	-31.01	-16.42	-22.32	-11.26
		174	2229.52	-6.98	-480.68	-450.45	-37.21	115.79	-0.08	-7.36	-0.14	-7.30	0.65
788	5	173	3013.59	-3.48	-506.57	-474.59	-35.46	122.74	19.44	3.94	5.96	17.42	5.22
		1012	2978.04	0.92	-500.62	-471.18	-28.52	117.88	4.90	-13.96	-10.87	1.81	-6.99
		1030	3290.93	1.77	-487.28	-456.99	-28.52	117.88	-8.37	-29.90	-16.80	-21.47	-10.51
		174	2162.80	-2.56	-493.30	-460.39	-35.46	122.74	0.49	-6.31	0.03	-5.85	1.70
788	6	173	2978.14	1.35	-504.12	-472.94	-29.83	121.60	18.69	3.77	5.53	16.92	4.82
		1012	2965.95	4.61	-499.75	-470.43	-24.70	118.01	5.41	-13.44	-10.40	2.37	-6.93
		1030	3161.22	4.98	-493.84	-464.15	-24.70	118.01	-7.97	-28.15	-16.24	-19.88	-9.93
		174	2130.35	1.74	-498.23	-466.67	-29.83	121.60	0.29	-5.93	-0.31	-5.33	1.83
788	7	173	2791.22	-4.61	-489.01	-459.44	-34.18	115.97	17.54	3.99	5.60	15.93	4.39
		1012	2863.50	-0.13	-483.08	-456.02	-27.20	111.08	4.73	-13.97	-10.43	1.19	-7.33
		1030	3235.34	0.49	-472.90	-445.21	-27.20	111.08	-7.82	-29.39	-16.18	-21.03	-10.51
		174	2140.51	-3.94	-478.88	-448.63	-34.18	115.97	0.09	-6.52	-0.15	-6.29	1.22
788	8	173	2005.61	-160.55	-498.61	-495.35	-163.81	33.03	8.54	2.82	3.23	8.13	1.47
		1012	2663.99	-98.09	-463.81	-463.37	-98.53	-12.67	2.49	-11.73	-8.09	-1.16	-6.21
		1030	2350.19	-97.21	-220.17	-218.85	-98.53	-12.67	-4.94	-21.13	-11.17	-14.91	-7.88
		174	1123.84	-152.69	-261.96	-250.84	-163.81	33.03	0.15	-5.63	0.15	-5.62	-0.19
788	9	173	2004.87	-29.53	-378.36	-360.45	-47.44	76.98	12.33	2.63	3.73	11.23	3.08
		1012	2150.54	-18.36	-365.41	-352.52	-31.25	65.65	3.52	-9.74	-7.41	1.19	-5.04
		1030	2175.81	-16.75	-328.35	-313.85	-31.25	65.65	-5.49	-19.90	-11.34	-14.05	-7.08
		174	1422.35	-27.32	-341.91	-321.78	-47.44	76.98	0.07	-4.28	-0.20	-4.01	1.04
788	10	173	1749.97	-108.15	-425.95	-419.09	-115.01	46.19	9.18	2.71	3.30	8.59	1.86
		1012	2312.55	-69.69	-397.90	-397.21	-70.37	14.95	2.55	-10.64	-7.48	-0.60	-5.63
		1030	2148.67	-69.03	-236.11	-234.76	-70.37	14.95	-4.87	-20.10	-10.70	-14.26	-7.40
		174	1091.84	-101.28	-270.37	-256.64	-115.01	46.19	0.08	-5.07	0.08	-5.07	0.08
788	11	173	2082.40	-0.49	-356.06	-334.01	-22.55	85.77	13.07	2.73	3.96	11.85	3.35

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		1012	2089.23	2.26	-352.38	-331.89	-18.23	82.75	3.71	-9.68	-7.41	1.44	-5.02
		1030	2266.04	2.60	-347.03	-326.20	-18.23	82.75	-5.65	-20.30	-11.55	-14.40	-7.19
		174	1517.58	-0.13	-350.74	-328.32	-22.55	85.77	0.15	-4.33	-0.18	-3.99	1.18
789	1	1002	3100.82	-27.38	-391.47	-386.05	-32.80	44.07	-7.72	-29.57	-15.93	-21.36	-10.58
		182	1889.39	-1.71	-373.01	-371.54	-3.19	23.34	0.45	-6.65	0.25	-6.46	1.15
		186	2328.38	-1.75	-381.82	-380.38	-3.19	23.34	17.54	4.24	5.94	15.83	4.44
		1020	2699.24	-27.51	-400.18	-394.90	-32.80	44.07	4.54	-13.84	-10.24	0.93	-7.30
789	2	1002	3607.02	-52.50	-387.74	-383.65	-56.58	36.77	-6.98	-36.21	-16.82	-26.37	-13.81
		182	2161.09	-29.02	-371.58	-370.62	-29.98	18.15	0.11	-11.50	-0.08	-11.32	-1.45
		186	1783.96	-29.00	-364.05	-363.06	-29.98	18.15	12.40	5.70	6.05	12.05	1.48
		1020	2790.36	-52.41	-380.27	-376.10	-56.58	36.77	4.69	-18.39	-10.70	-3.00	-10.88
789	3	1002	3276.81	-17.44	-436.95	-422.02	-32.37	77.72	-8.86	-32.41	-16.99	-24.28	-11.20
		182	2151.52	29.88	-396.17	-393.05	26.76	36.33	0.56	-7.83	0.35	-7.62	1.30
		186	2531.46	29.96	-385.64	-382.43	26.76	36.33	18.50	3.90	6.38	16.01	5.49
		1020	2681.61	-17.05	-426.72	-411.41	-32.37	77.72	2.90	-14.51	-10.96	-0.65	-7.01
789	4	1002	3229.92	-28.46	-399.29	-392.71	-35.05	48.98	-8.39	-31.47	-16.74	-23.11	-11.09
		182	1960.99	0.18	-378.03	-376.29	-1.55	25.53	0.83	-6.91	0.61	-6.69	1.29
		186	2475.48	0.11	-392.75	-391.08	-1.55	25.53	19.08	4.20	6.47	16.81	5.35
		1020	2752.49	-28.71	-413.82	-407.49	-35.05	48.98	3.77	-14.26	-10.88	0.39	-7.03
789	5	1002	3114.45	-27.97	-392.39	-386.63	-33.73	45.45	-7.66	-29.84	-15.94	-21.56	-10.73
		182	1904.33	-1.28	-373.00	-371.47	-2.81	23.80	0.33	-6.90	0.19	-6.75	1.01
		186	2287.21	-1.31	-380.38	-378.88	-2.81	23.80	17.08	4.30	5.89	15.48	4.23
		1020	2691.10	-28.09	-399.68	-394.03	-33.73	45.45	4.50	-14.06	-10.23	0.67	-7.51
789	6	1002	3095.18	-25.93	-391.56	-386.02	-31.48	44.69	-7.71	-29.53	-15.92	-21.32	-10.57
		182	1891.28	-0.25	-373.01	-371.47	-1.79	23.90	0.43	-6.64	0.24	-6.45	1.15
		186	2336.41	-0.29	-383.36	-381.87	-1.79	23.90	17.49	4.22	5.92	15.79	4.43
		1020	2705.66	-26.09	-401.81	-396.41	-31.48	44.69	4.53	-13.84	-10.24	0.92	-7.29
789	7	1002	3081.53	-25.78	-392.27	-386.43	-31.61	45.88	-7.84	-29.35	-15.94	-21.24	-10.42
		182	1881.13	0.71	-372.97	-371.37	-0.89	24.37	0.60	-6.41	0.33	-6.14	1.34
		186	2389.73	0.67	-383.16	-381.61	-0.89	24.37	18.09	4.12	6.01	16.20	4.77
		1020	2698.08	-25.94	-402.34	-396.67	-31.61	45.88	4.43	-13.60	-10.27	1.10	-6.99
789	8	1002	2555.00	-12.47	-339.39	-327.12	-24.75	62.14	-6.88	-25.15	-13.14	-18.90	-8.67
		182	1676.27	25.35	-306.33	-303.81	22.83	28.84	0.42	-6.14	0.27	-5.98	0.99
		186	1955.15	25.43	-296.45	-293.85	22.83	28.84	14.23	2.98	4.93	12.28	4.26
		1020	2060.10	-12.09	-329.82	-317.16	-24.75	62.14	2.11	-11.22	-8.47	-0.64	-5.40
789	9	1002	2203.49	-19.38	-278.71	-274.75	-23.34	31.79	-5.51	-21.01	-11.34	-15.19	-7.51
		182	1342.48	-0.87	-265.34	-264.27	-1.95	16.81	0.35	-4.69	0.20	-4.54	0.85
		186	1667.73	-0.90	-271.94	-270.90	-1.95	16.81	12.58	2.99	4.24	11.33	3.23
		1020	1919.84	-19.48	-285.24	-281.38	-23.34	31.79	3.20	-9.81	-7.30	0.68	-5.13
789	10	1002	2293.56	-14.02	-303.82	-294.74	-23.10	50.48	-6.15	-22.59	-11.93	-16.81	-7.85
		182	1487.27	16.66	-278.19	-276.22	14.69	24.02	0.41	-5.34	0.25	-5.18	0.93
		186	1780.07	16.69	-274.04	-272.04	14.69	24.02	13.11	2.81	4.48	11.43	3.81
		1020	1908.81	-13.89	-299.77	-290.56	-23.10	50.48	2.29	-10.18	-7.70	-0.19	-4.98
789	11	1002	2200.37	-18.58	-278.76	-274.74	-22.61	32.13	-5.51	-20.99	-11.33	-15.17	-7.50
		182	1343.52	-0.06	-265.34	-264.23	-1.17	17.12	0.34	-4.68	0.19	-4.54	0.85
		186	1672.18	-0.09	-272.80	-271.72	-1.17	17.12	12.55	2.98	4.23	11.31	3.22
		1020	1923.43	-18.69	-286.14	-282.22	-22.61	32.13	3.19	-9.81	-7.30	0.68	-5.13
790	1	1001	6036.73	-12.56	-1016.51	-1016.16	-12.91	-18.76	-10.69	-40.69	-23.11	-28.27	-14.78
		1002	4321.22	42.70	-993.37	-990.38	39.71	-55.59	-3.57	-12.05	-4.22	-11.40	-2.25
		1020	5028.76	42.66	-1007.13	-1004.18	39.71	-55.59	17.28	1.14	1.37	17.04	1.94
		1019	6084.37	-12.56	-1030.31	-1029.96	-12.91	-18.76	5.12	-22.46	-17.51	0.17	-10.59
790	2	1001	6528.53	-27.36	-1054.78	-1051.20	-30.94	-60.55	-9.21	-45.00	-23.65	-30.56	-17.56
		1002	4539.98	10.81	-1041.03	-1034.13	3.90	-84.93	-3.03	-17.43	-5.39	-15.07	-5.33
		1020	5024.88	10.61	-1071.56	-1064.85	3.90	-84.93	12.21	-0.34	8.97e-03	11.85	-2.07
		1019	6490.08	-27.46	-1085.40	-1081.92	-30.94	-60.55	5.11	-27.00	-18.24	-3.64	-14.30
790	3	1001	6200.31	-23.98	-1040.66	-1039.88	-24.76	-28.14	-12.06	-42.71	-23.91	-30.86	-14.93
		1002	4458.60	5.46	-1028.37	-1026.16	3.25	-47.75	-4.12	-13.97	-4.63	-13.46	-2.18
		1020	5015.10	5.41	-1054.04	-1051.89	3.25	-47.75	15.60	0.65	1.01	15.25	2.28
		1019	6180.52	-24.00	-1066.37	-1065.61	-24.76	-28.14	3.00	-23.42	-18.27	-2.15	-10.47
790	4	1001	6194.00	-13.86	-1037.69	-1037.39	-14.16	-17.73	-11.78	-42.91	-24.04	-30.64	-15.21
		1002	4471.39	40.34	-1014.80	-1012.03	37.57	-53.95	-3.70	-13.06	-4.25	-12.51	-2.20
		1020	5096.14	40.29	-1032.69	-1029.97	37.57	-53.95	17.27	1.02	1.47	16.82	2.66
		1019	6172.62	-13.86	-1055.63	-1055.32	-14.16	-17.73	3.58	-23.21	-18.32	-1.32	-10.35
790	5	1001	6049.72	-14.13	-1018.10	-1017.70	-14.53	-20.03	-10.55	-40.75	-23.07	-28.23	-14.88
		1002	4323.16	39.95	-995.54	-992.49	36.91	-56.04	-3.59	-12.30	-4.32	-11.56	-2.43
		1020	5018.27	39.91	-1010.76	-1007.76	36.91	-56.04	16.80	1.06	1.24	16.63	1.65
		1019	6097.51	-14.14	-1033.36	-1032.96	-14.53	-20.03	5.12	-22.67	-17.51	-0.04	-10.80
790	6	1001	6029.26	-11.64	-1017.00	-1016.77	-11.87	-15.39	-10.69	-40.69	-23.11	-28.27	-14.78
		1002	4327.36	45.53	-992.78	-990.00	42.75	-53.62	-3.58	-12.04	-4.22	-11.39	-2.25
		1020	5034.68	45.49	-1006.06	-1003.32	42.75	-53.62	17.28	1.14	1.37	17.05	1.95
		1019	6078.95	-11.64	-1030.32	-1030.08	-11.87	-15.39	5.11	-22.46	-17.51	0.16	-10.58
790	7	1001	6009.73	-12.15	-1014.52	-1014.29	-12.38	-15.11	-10.90	-40.61	-23.13	-28.38	-14.62

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		1002	4314.63	43.82	-990.75	-988.07	41.14	-52.58	-3.61	-11.83	-4.16	-11.28	-2.05
		1020	5021.30	43.79	-1002.33	-999.68	41.14	-52.58	17.56	1.13	1.46	17.23	2.30
		1019	6044.77	-12.15	-1026.13	-1025.90	-12.38	-15.11	4.85	-22.23	-17.51	0.13	-10.27
790	8	1001	4778.46	-19.20	-801.71	-801.06	-19.85	-22.45	-9.35	-32.98	-18.43	-23.90	-11.49
		1002	3438.04	1.54	-793.05	-791.40	-0.12	-36.26	-3.20	-10.91	-3.60	-10.52	-1.69
		1020	3853.91	1.50	-813.82	-812.20	-0.12	-36.26	11.83	0.47	0.74	11.55	1.74
		1019	4759.71	-19.22	-822.50	-821.87	-19.85	-22.45	2.17	-18.09	-14.09	-1.83	-8.06
790	9	1001	4291.84	-9.05	-722.87	-722.63	-9.29	-13.04	-7.65	-28.95	-16.45	-20.15	-10.49
		1002	3072.83	30.07	-706.45	-704.36	27.98	-39.13	-2.55	-8.54	-3.00	-8.10	-1.57
		1020	3575.70	30.04	-716.03	-713.97	27.98	-39.13	12.33	0.81	0.99	12.15	1.44
		1019	4322.69	-9.06	-732.47	-732.23	-9.29	-13.04	3.58	-15.95	-12.47	0.10	-7.48
790	10	1001	4382.35	-15.41	-736.27	-735.80	-15.87	-18.25	-8.42	-30.07	-16.90	-21.59	-10.57
		1002	3149.10	9.38	-725.89	-724.24	7.73	-34.78	-2.86	-9.61	-3.22	-9.25	-1.53
		1020	3567.16	9.34	-742.08	-740.47	7.73	-34.78	11.40	0.53	0.79	11.15	1.63
		1019	4375.62	-15.42	-752.49	-752.04	-15.87	-18.25	2.40	-16.48	-12.89	-1.19	-7.41
790	11	1001	4287.70	-8.54	-723.14	-722.96	-8.71	-11.17	-7.65	-28.96	-16.45	-20.15	-10.49
		1002	3076.23	31.64	-706.12	-704.15	29.67	-38.04	-2.55	-8.54	-3.00	-8.09	-1.57
		1020	3579.03	31.62	-715.43	-713.49	29.67	-38.04	12.34	0.80	0.99	12.15	1.45
		1019	4319.70	-8.54	-732.47	-732.30	-8.71	-11.17	3.57	-15.95	-12.47	0.09	-7.47
791	1	1000	8049.93	-1.52	-1503.27	-1501.16	-3.62	-56.14	-9.40	-40.05	-24.89	-24.56	-15.32
		1001	6724.91	51.84	-1482.09	-1476.65	46.40	-91.15	-5.48	-17.85	-10.98	-12.35	-6.15
		1019	7268.79	51.81	-1490.21	-1484.80	46.40	-91.15	9.46	-7.54	-6.90	8.83	-3.21
		1018	8243.70	-1.53	-1511.40	-1509.31	-3.62	-56.14	3.05	-27.25	-20.82	-3.38	-12.39
791	2	1000	8708.40	2.21	-1600.18	-1592.60	-5.38	-109.99	-7.18	-42.39	-25.28	-24.28	-17.60
		1001	7435.04	53.22	-1582.46	-1569.99	40.75	-142.28	-4.12	-23.12	-12.82	-14.42	-9.47
		1019	7968.19	52.84	-1632.63	-1620.53	40.75	-142.28	6.78	-13.18	-9.52	3.12	-7.72
		1018	9032.52	1.97	-1650.49	-1643.14	-5.38	-109.99	3.23	-31.96	-21.99	-6.75	-15.86
791	3	1000	8273.34	-0.85	-1545.20	-1542.57	-3.48	-63.73	-11.39	-42.99	-26.12	-28.26	-15.76
		1001	6847.06	50.93	-1524.94	-1518.88	44.86	-97.57	-6.82	-19.62	-11.43	-15.00	-6.14
		1019	7363.50	50.89	-1535.27	-1529.24	44.86	-97.57	7.58	-7.69	-7.21	7.10	-2.68
		1018	8403.75	-0.86	-1555.55	-1552.93	-3.48	-63.73	0.57	-28.62	-21.89	-6.16	-12.30
791	4	1000	8214.52	-0.53	-1535.70	-1533.75	-2.48	-54.69	-11.00	-42.45	-25.93	-27.52	-15.71
		1001	6816.78	53.32	-1514.16	-1508.96	48.12	-90.11	-6.50	-19.14	-11.35	-14.29	-6.14
		1019	7323.34	53.30	-1519.26	-1514.08	48.12	-90.11	8.03	-7.61	-7.14	7.57	-2.65
		1018	8334.32	-0.53	-1540.82	-1538.88	-2.48	-54.69	0.92	-28.31	-21.72	-5.67	-12.22
791	5	1000	8072.53	-1.99	-1507.31	-1505.03	-4.27	-58.56	-9.18	-39.92	-24.82	-24.28	-15.37
		1001	6762.35	50.76	-1486.50	-1480.84	45.10	-93.12	-5.36	-18.09	-11.11	-12.34	-6.33
		1019	7304.08	50.72	-1498.29	-1492.67	45.10	-93.12	9.17	-7.89	-7.12	8.41	-3.52
		1018	8280.76	-2.00	-1519.12	-1516.86	-4.27	-58.56	3.07	-27.44	-20.84	-3.53	-12.56
791	6	1000	8037.34	-1.80	-1502.32	-1500.44	-3.68	-53.14	-9.39	-39.99	-24.87	-24.51	-15.30
		1001	6718.76	51.46	-1481.00	-1475.91	46.37	-88.18	-5.48	-17.84	-10.99	-12.33	-6.14
		1019	7262.49	51.44	-1489.27	-1484.20	46.37	-88.18	9.41	-7.57	-6.93	8.77	-3.23
		1018	8232.65	-1.81	-1510.60	-1508.73	-3.68	-53.14	3.03	-27.23	-20.80	-3.40	-12.38
791	7	1000	8007.42	-1.67	-1497.75	-1495.91	-3.51	-52.41	-9.73	-40.08	-24.91	-24.89	-15.17
		1001	6681.47	50.92	-1476.65	-1471.68	45.94	-87.03	-5.71	-17.69	-10.93	-12.47	-5.94
		1019	7204.84	50.91	-1479.72	-1474.76	45.94	-87.03	9.31	-7.32	-6.81	8.80	-2.87
		1018	8170.17	-1.68	-1500.83	-1498.99	-3.51	-52.41	2.63	-27.04	-20.79	-3.62	-12.10
791	8	1000	6376.51	-0.58	-1190.97	-1188.90	-2.65	-49.56	-8.86	-33.23	-20.15	-21.95	-12.15
		1001	5274.47	39.25	-1175.41	-1170.68	34.53	-75.59	-5.31	-15.23	-8.83	-11.71	-4.74
		1019	5670.67	39.22	-1183.93	-1179.25	34.53	-75.59	5.69	-5.95	-5.57	5.31	-2.06
		1018	6474.90	-0.60	-1199.52	-1197.46	-2.65	-49.56	0.29	-22.11	-16.89	-4.92	-9.47
791	9	1000	5722.34	-1.09	-1068.72	-1067.24	-2.57	-39.72	-6.77	-28.53	-17.73	-17.57	-10.88
		1001	4777.32	36.61	-1053.74	-1049.92	32.79	-64.47	-3.95	-12.68	-7.80	-8.83	-4.34
		1019	5160.91	36.60	-1058.72	-1054.91	32.79	-64.47	6.70	-5.32	-4.90	6.27	-2.22
		1018	5854.32	-1.10	-1073.71	-1072.24	-2.57	-39.72	2.08	-19.37	-14.82	-2.47	-8.76
791	10	1000	5846.16	-0.73	-1092.02	-1090.25	-2.50	-43.93	-7.88	-30.16	-18.41	-19.63	-11.13
		1001	4844.90	36.11	-1077.55	-1073.38	31.93	-68.03	-4.70	-13.66	-8.06	-10.30	-4.33
		1019	5213.38	36.08	-1083.75	-1079.60	31.93	-68.03	5.66	-5.41	-5.06	5.31	-1.92
		1018	5943.00	-0.74	-1098.23	-1096.47	-2.50	-43.93	0.70	-20.13	-15.42	-4.01	-8.71
791	11	1000	5715.34	-1.25	-1068.20	-1066.84	-2.61	-38.05	-6.76	-28.50	-17.72	-17.54	-10.87
		1001	4773.92	36.41	-1053.14	-1049.50	32.77	-62.82	-3.95	-12.68	-7.81	-8.82	-4.34
		1019	5157.44	36.39	-1058.20	-1054.58	32.77	-62.82	6.67	-5.34	-4.91	6.24	-2.22
		1018	5848.19	-1.26	-1073.27	-1071.92	-2.61	-38.05	2.07	-19.36	-14.81	-2.48	-8.76
792	1	999	9472.31	12.23	-1847.85	-1844.85	9.24	-74.56	-6.76	-36.87	-24.70	-18.93	-14.77
		1000	8759.50	52.10	-1831.90	-1826.50	46.69	-100.78	-4.62	-23.95	-16.63	-11.94	-9.38
		1018	8976.92	52.12	-1823.73	-1818.30	46.69	-100.78	3.83	-17.58	-14.19	0.44	-7.81
		1017	9593.34	12.24	-1839.66	-1836.65	9.24	-74.56	0.97	-29.77	-22.26	-6.54	-13.21
792	2	999	1.037e+04	29.45	-2004.35	-1996.50	21.60	-126.08	-3.40	-36.95	-24.79	-15.56	-16.13
		1000	9859.15	79.01	-1986.43	-1974.31	66.89	-157.78	-2.51	-28.82	-19.21	-12.12	-12.67
		1018	1.025e+04	78.67	-2045.96	-2034.17	66.89	-157.78	1.98	-26.10	-18.21	-5.91	-12.62
		1017	1.073e+04	29.22	-2063.99	-2056.37	21.60	-126.08	1.06	-34.20	-23.80	-9.35	-16.08
792	3	999	9686.09	16.82	-1897.02	-1893.63	13.43	-80.44	-9.30	-39.84	-26.01	-23.13	-15.20

		1000	8900.80	56.72	-1881.19	-1875.30	50.84	-106.62	-6.84	-25.72	-17.28	-15.27	-9.39
		1018	9072.97	56.77	-1866.03	-1860.10	50.84	-106.62	1.52	-18.04	-14.63	-1.89	-7.41
		1017	9744.61	16.85	-1881.84	-1878.42	13.43	-80.44	-1.68	-31.43	-23.36	-9.75	-13.23
792	4	999	9626.63	14.36	-1886.20	-1883.43	11.59	-72.51	-8.88	-39.31	-25.79	-22.39	-15.12
		1000	8866.16	54.45	-1870.02	-1864.92	49.35	-98.94	-6.45	-25.44	-17.25	-14.64	-9.41
		1018	9019.16	54.50	-1851.50	-1846.35	49.35	-98.94	1.75	-18.02	-14.65	-1.63	-7.44
		1017	9669.51	14.39	-1867.64	-1864.85	11.59	-72.51	-1.43	-31.14	-23.19	-9.38	-13.15
792	5	999	9505.84	12.90	-1854.37	-1851.26	9.78	-76.21	-6.44	-36.58	-24.60	-18.43	-14.75
		1000	8817.26	53.26	-1838.29	-1832.70	47.66	-102.72	-4.40	-24.16	-16.79	-11.77	-9.55
		1018	9036.41	53.27	-1833.28	-1827.67	47.66	-102.72	3.65	-18.10	-14.47	0.03	-8.11
		1017	9637.44	12.91	-1849.36	-1846.23	9.78	-76.21	0.98	-29.89	-22.28	-6.63	-13.31
792	6	999	9458.09	11.60	-1846.20	-1843.43	8.83	-71.71	-6.74	-36.79	-24.67	-18.86	-14.74
		1000	8750.48	51.33	-1830.21	-1825.11	46.22	-97.88	-4.61	-23.95	-16.64	-11.91	-9.38
		1018	8967.03	51.35	-1822.30	-1817.17	46.22	-97.88	3.78	-17.62	-14.21	0.38	-7.82
		1017	9579.34	11.61	-1838.27	-1835.49	8.83	-71.71	0.94	-29.74	-22.24	-6.57	-13.19
792	7	999	9413.03	12.11	-1839.16	-1836.45	9.39	-70.80	-7.24	-37.04	-24.75	-19.53	-14.67
		1000	8693.79	51.04	-1823.46	-1818.48	46.06	-96.47	-5.02	-23.88	-16.59	-12.31	-9.18
		1018	8873.25	51.08	-1807.02	-1802.00	46.06	-96.47	3.46	-17.26	-14.06	0.27	-7.49
		1017	9491.02	12.13	-1822.70	-1819.96	9.39	-70.80	0.46	-29.64	-22.22	-6.95	-12.97
792	8	999	7462.55	13.19	-1462.05	-1459.42	10.56	-62.27	-7.28	-30.80	-20.07	-18.01	-11.72
		1000	6855.84	43.97	-1449.85	-1445.28	39.41	-82.46	-5.37	-19.91	-13.33	-11.94	-7.23
		1018	6987.79	44.01	-1438.48	-1433.88	39.41	-82.46	1.02	-13.94	-11.29	-1.63	-5.70
		1017	7506.74	13.21	-1450.67	-1448.02	10.56	-62.27	-1.44	-24.28	-18.03	-7.70	-10.19
792	9	999	6731.47	8.82	-1313.44	-1311.33	6.70	-52.81	-4.93	-26.30	-17.60	-13.62	-10.50
		1000	6221.12	36.98	-1302.17	-1298.36	33.17	-71.34	-3.38	-17.04	-11.82	-8.59	-6.64
		1018	6369.49	37.01	-1294.87	-1291.03	33.17	-71.34	2.65	-12.44	-10.07	0.28	-5.49
		1017	6809.91	8.83	-1306.13	-1304.00	6.70	-52.81	0.58	-21.17	-15.85	-4.75	-9.36
792	10	999	6849.99	11.37	-1340.76	-1338.43	9.04	-56.08	-6.34	-27.95	-18.33	-15.96	-10.74
		1000	6299.40	39.55	-1329.55	-1325.47	35.47	-74.59	-4.62	-18.01	-12.19	-10.44	-6.64
		1018	6422.70	39.58	-1318.36	-1314.25	35.47	-74.59	1.37	-12.69	-10.32	-1.01	-5.27
		1017	6893.74	11.39	-1329.56	-1327.21	9.04	-56.08	-0.89	-22.10	-16.46	-6.53	-9.37
792	11	999	6723.56	8.47	-1312.53	-1310.54	6.48	-51.23	-4.91	-26.26	-17.58	-13.59	-10.48
		1000	6216.12	36.56	-1301.23	-1297.58	32.91	-69.73	-3.37	-17.04	-11.83	-8.58	-6.64
		1018	6364.01	36.57	-1294.07	-1290.40	32.91	-69.73	2.63	-12.46	-10.08	0.25	-5.50
		1017	6802.14	8.48	-1305.36	-1303.36	6.48	-51.23	0.57	-21.16	-15.84	-4.76	-9.35
793	1	998	1.022e+04	29.14	-2037.80	-2034.56	25.90	-81.76	-3.56	-32.33	-22.99	-12.90	-13.47
		999	1.001e+04	48.26	-2030.01	-2025.71	43.96	-94.41	-2.96	-28.31	-20.48	-10.79	-11.71
		1017	9985.72	48.31	-2005.09	-2000.74	43.96	-94.41	-0.17	-26.22	-19.62	-6.78	-11.34
		1016	1.019e+04	29.17	-2012.87	-2009.59	25.90	-81.76	-0.83	-30.18	-22.13	-8.89	-13.09
793	2	998	1.138e+04	43.52	-2253.83	-2247.74	37.44	-118.07	1.44	-30.29	-22.70	-6.14	-13.53
		999	1.147e+04	89.16	-2236.43	-2227.01	79.75	-147.69	0.22	-32.74	-23.75	-8.78	-14.68
		1017	1.176e+04	88.86	-2313.93	-2304.82	79.75	-147.69	-2.34	-36.47	-25.10	-13.71	-16.09
		1016	1.166e+04	43.32	-2331.44	-2325.55	37.44	-118.07	-1.27	-33.85	-24.05	-11.07	-14.94
793	3	998	1.041e+04	34.92	-2089.65	-2086.19	31.46	-85.68	-6.52	-35.20	-24.32	-17.40	-13.91
		999	1.015e+04	54.83	-2081.56	-2076.98	50.25	-98.83	-5.72	-30.16	-21.27	-14.62	-11.76
		1017	1.007e+04	54.91	-2042.90	-2038.23	50.25	-98.83	-2.52	-27.17	-20.16	-9.53	-11.12
		1016	1.032e+04	34.98	-2050.96	-2047.44	31.46	-85.68	-3.41	-32.11	-23.20	-12.32	-13.28
793	4	998	1.035e+04	31.73	-2077.70	-2074.69	28.72	-79.63	-6.08	-34.67	-24.09	-16.67	-13.80
		999	1.011e+04	50.41	-2070.02	-2066.02	46.41	-92.01	-5.34	-29.96	-21.26	-14.04	-11.77
		1017	1.002e+04	50.49	-2028.79	-2024.71	46.41	-92.01	-2.38	-27.20	-20.20	-9.38	-11.17
		1016	1.024e+04	31.79	-2036.44	-2033.37	28.72	-79.63	-3.22	-31.82	-23.03	-12.01	-13.20
793	5	998	1.026e+04	30.33	-2045.66	-2042.40	27.08	-82.16	-3.15	-31.91	-22.84	-12.22	-13.37
		999	1.008e+04	50.23	-2037.55	-2033.19	45.87	-95.31	-2.68	-28.48	-20.67	-10.48	-11.85
		1017	1.005e+04	50.28	-2014.25	-2009.84	45.87	-95.31	-0.34	-26.82	-19.96	-7.20	-11.60
		1016	1.022e+04	30.37	-2022.34	-2019.05	27.08	-82.16	-0.85	-30.22	-22.14	-8.93	-13.11
793	6	998	1.020e+04	28.23	-2035.43	-2032.38	25.17	-79.31	-3.52	-32.23	-22.95	-12.81	-13.43
		999	9999.84	47.02	-2027.73	-2023.67	42.96	-91.76	-2.94	-28.30	-20.49	-10.75	-11.71
		1017	9972.14	47.07	-2002.97	-1998.86	42.96	-91.76	-0.23	-26.28	-19.65	-6.86	-11.35
		1016	1.017e+04	28.26	-2010.66	-2007.57	25.17	-79.31	-0.87	-30.14	-22.10	-8.91	-13.07
793	7	998	1.014e+04	28.95	-2026.11	-2023.11	25.95	-78.47	-4.18	-32.61	-23.06	-13.73	-13.43
		999	9925.56	46.97	-2018.72	-2014.76	43.01	-90.41	-3.51	-28.31	-20.43	-11.39	-11.54
		1017	9852.71	47.04	-1982.85	-1978.82	43.01	-90.41	-0.60	-25.94	-19.46	-7.08	-11.06
		1016	1.006e+04	29.01	-1990.23	-1987.17	25.95	-78.47	-1.35	-30.16	-22.08	-9.43	-12.94
793	8	998	8019.22	27.11	-1610.47	-1607.79	24.43	-66.15	-5.16	-27.21	-18.76	-13.61	-10.72
		999	7820.14	42.56	-1604.20	-1600.65	39.01	-76.36	-4.54	-23.32	-16.41	-11.45	-9.06
		1017	7759.43	42.62	-1574.63	-1571.02	39.01	-76.36	-2.08	-20.99	-15.55	-7.52	-8.56
		1016	7948.27	27.16	-1580.89	-1578.16	24.43	-66.15	-2.77	-24.81	-17.90	-9.67	-10.23
793	9	998	7260.23	20.93	-1448.16	-1445.87	18.64	-57.94	-2.68	-23.09	-16.39	-9.38	-9.59
		999	7108.52	34.36	-1442.68	-1439.65	31.34	-66.83	-2.23	-20.15	-14.56	-7.82	-8.30
		1017	7082.01	34.41	-1422.84	-1419.77	31.34	-66.83	-0.20	-18.60	-13.92	-4.88	-8.01
		1016	7227.37	20.96	-1428.31	-1425.99	18.64	-57.94	-0.70	-21.49	-15.75	-6.44	-9.29
793	10	998	7366.06	24.14	-1476.96	-1474.55	21.73	-60.11	-4.33	-24.68	-17.13	-11.88	-9.83

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		999	7187.25	38.01	-1471.32	-1468.14	34.83	-69.28	-3.77	-21.18	-15.00	-9.95	-8.33
		1017	7131.04	38.07	-1443.85	-1440.60	34.83	-69.28	-1.51	-19.12	-14.22	-6.41	-7.89
		1016	7300.81	24.18	-1449.47	-1447.02	21.73	-60.11	-2.14	-22.56	-16.35	-8.34	-9.39
793	11	998	7251.05	20.42	-1446.85	-1444.66	18.24	-56.58	-2.66	-23.04	-16.37	-9.33	-9.56
		999	7102.05	33.68	-1441.42	-1438.52	30.78	-65.35	-2.22	-20.15	-14.57	-7.80	-8.30
		1017	7074.48	33.72	-1421.67	-1418.73	30.78	-65.35	-0.24	-18.63	-13.94	-4.92	-8.01
		1016	7217.38	20.45	-1427.08	-1424.87	18.24	-56.58	-0.72	-21.47	-15.74	-6.45	-9.28
794	1	997	1.020e+04	46.18	-2064.19	-2061.48	43.47	-75.59	0.04	-26.17	-19.64	-6.49	-11.33
		998	1.043e+04	46.24	-2064.17	-2061.45	43.52	-75.63	-0.97	-30.47	-22.47	-8.97	-13.11
		1016	1.021e+04	46.29	-2023.17	-2020.40	43.52	-75.63	-3.46	-32.77	-23.17	-13.06	-13.76
		1015	9963.35	46.23	-2023.19	-2020.43	43.47	-75.59	-2.52	-28.40	-20.34	-10.59	-11.98
794	2	997	1.152e+04	63.65	-2313.92	-2310.84	60.57	-85.54	8.04	-20.98	-17.82	4.88	-9.04
		998	1.216e+04	87.60	-2304.02	-2299.71	83.29	-101.45	3.47	-34.64	-26.66	-4.51	-15.51
		1016	1.222e+04	87.48	-2370.13	-2365.94	83.29	-101.45	-6.93	-44.79	-30.48	-21.24	-18.36
		1015	1.146e+04	63.57	-2380.07	-2377.07	60.57	-85.54	-3.89	-29.59	-21.64	-11.85	-11.88
794	3	997	1.036e+04	52.44	-2115.27	-2112.47	49.64	-77.92	-3.19	-28.77	-20.91	-11.05	-11.80
		998	1.056e+04	52.96	-2115.06	-2112.23	50.13	-78.26	-4.03	-32.38	-23.34	-13.07	-13.21
		1016	1.029e+04	53.03	-2056.41	-2053.50	50.13	-78.26	-5.60	-34.18	-23.75	-16.04	-13.76
		1015	1.008e+04	52.52	-2056.62	-2053.74	49.64	-77.92	-4.78	-30.55	-21.32	-14.01	-12.35
794	4	997	1.030e+04	48.95	-2101.99	-2099.44	46.40	-74.00	-2.72	-28.24	-20.67	-10.29	-11.66
		998	1.052e+04	47.80	-2102.48	-2099.98	45.30	-73.24	-3.65	-32.20	-23.33	-12.52	-13.21
		1016	1.023e+04	47.87	-2040.89	-2038.32	45.30	-73.24	-5.52	-34.25	-23.81	-15.96	-13.82
		1015	9996.31	49.02	-2040.40	-2037.78	46.40	-74.00	-4.63	-30.25	-21.15	-13.73	-12.26
794	5	997	1.025e+04	47.42	-2072.15	-2069.52	44.79	-74.65	0.53	-25.68	-19.46	-5.69	-11.15
		998	1.051e+04	48.28	-2071.79	-2069.12	45.60	-75.22	-0.65	-30.59	-22.68	-8.56	-13.20
		1016	1.027e+04	48.33	-2030.49	-2027.77	45.60	-75.22	-3.65	-33.35	-23.54	-13.46	-13.97
		1015	9990.25	47.48	-2030.85	-2028.17	44.79	-74.65	-2.58	-28.34	-20.33	-10.59	-11.92
794	6	997	1.018e+04	44.94	-2061.03	-2058.44	42.35	-73.81	0.09	-26.05	-19.58	-6.38	-11.28
		998	1.042e+04	44.49	-2061.22	-2058.65	41.92	-73.51	-0.95	-30.45	-22.49	-8.92	-13.10
		1016	1.019e+04	44.54	-2019.97	-2017.35	41.92	-73.51	-3.53	-32.84	-23.21	-13.15	-13.76
		1015	9940.21	44.99	-2019.78	-2017.14	42.35	-73.81	-2.57	-28.35	-20.31	-10.62	-11.94
794	7	997	1.011e+04	45.85	-2050.00	-2047.43	43.28	-73.31	-0.71	-26.50	-19.72	-7.49	-11.36
		998	1.033e+04	44.65	-2050.50	-2047.99	42.14	-72.51	-1.64	-30.54	-22.43	-9.75	-12.98
		1016	1.006e+04	44.72	-1996.78	-1994.20	42.14	-72.51	-3.87	-32.60	-22.99	-13.47	-13.55
		1015	9823.23	45.91	-1996.28	-1993.64	43.28	-73.31	-2.99	-28.51	-20.28	-11.22	-11.93
794	8	997	7979.94	40.56	-1630.25	-1628.09	38.40	-60.10	-2.60	-22.25	-16.14	-8.71	-9.09
		998	8136.45	41.05	-1630.05	-1627.86	38.86	-60.42	-3.25	-25.02	-18.01	-10.27	-10.18
		1016	7926.29	41.11	-1585.15	-1582.90	38.86	-60.42	-4.43	-26.41	-18.31	-12.53	-10.60
		1015	7764.25	40.62	-1585.35	-1583.13	38.40	-60.10	-3.80	-23.62	-16.45	-10.97	-9.52
794	9	997	7244.95	33.09	-1466.60	-1464.68	31.18	-53.57	-0.15	-18.72	-14.01	-4.85	-8.08
		998	7406.61	33.00	-1466.64	-1464.73	31.09	-53.51	-0.84	-21.70	-15.98	-6.56	-9.30
		1016	7235.35	33.04	-1434.87	-1432.92	31.09	-53.51	-2.54	-23.28	-16.45	-9.36	-9.75
		1015	7066.28	33.14	-1434.83	-1432.88	31.18	-53.57	-1.89	-20.24	-14.48	-7.66	-8.52
794	10	997	7332.89	36.57	-1494.98	-1493.01	34.61	-54.86	-1.94	-20.16	-14.72	-7.38	-8.34
		998	7479.15	36.73	-1494.91	-1492.94	34.76	-54.97	-2.55	-22.76	-16.47	-8.84	-9.36
		1016	7281.64	36.79	-1453.34	-1451.31	34.76	-54.97	-3.73	-24.06	-16.77	-11.02	-9.75
		1015	7130.06	36.63	-1453.40	-1451.38	34.61	-54.86	-3.15	-21.44	-15.02	-9.56	-8.73
794	11	997	7234.36	32.40	-1464.84	-1462.99	30.56	-52.58	-0.12	-18.65	-13.98	-4.79	-8.05
		998	7398.51	32.03	-1465.00	-1463.17	30.20	-52.33	-0.83	-21.69	-15.99	-6.53	-9.29
		1016	7225.35	32.07	-1433.10	-1431.22	30.20	-52.33	-2.58	-23.31	-16.47	-9.42	-9.75
		1015	7053.43	32.45	-1432.94	-1431.05	30.56	-52.58	-1.92	-20.22	-14.46	-7.68	-8.50
795	1	996	9370.65	63.92	-1915.82	-1914.02	62.12	-59.70	4.42	-17.76	-14.31	0.97	-8.03
		997	9999.33	41.45	-1925.65	-1924.64	40.44	-44.52	1.23	-30.40	-22.77	-6.40	-13.53
		1015	9637.64	41.47	-1879.54	-1878.51	40.44	-44.52	-6.54	-37.76	-25.15	-19.16	-15.32
		1014	8904.29	63.97	-1869.73	-1867.88	62.12	-59.70	-4.12	-24.36	-16.69	-11.79	-9.82
795	2	996	1.073e+04	79.87	-2154.25	-2153.39	79.01	-43.75	14.28	-13.00	-12.19	13.47	-4.64
		997	1.165e+04	71.52	-2158.03	-2157.38	70.87	-38.05	6.13	-33.37	-26.85	-0.39	-14.66
		1015	1.136e+04	71.51	-2181.01	-2180.37	70.87	-38.05	-10.10	-47.40	-31.96	-25.55	-18.37
		1014	1.013e+04	79.86	-2177.22	-2176.38	79.01	-43.75	-5.69	-23.30	-17.29	-11.69	-8.35
795	3	996	9487.21	70.78	-1963.59	-1961.77	68.96	-60.86	1.12	-19.78	-15.41	-3.25	-8.50
		997	1.012e+04	48.22	-1973.47	-1972.44	47.19	-45.63	-1.85	-32.31	-23.67	-10.49	-13.73
		1015	9729.51	48.26	-1908.71	-1907.65	47.19	-45.63	-8.29	-39.70	-25.75	-22.24	-15.61
		1014	9002.27	70.84	-1898.86	-1896.98	68.96	-60.86	-5.80	-26.70	-17.49	-15.01	-10.37
795	4	996	9424.67	66.89	-1948.20	-1946.45	65.14	-59.35	1.60	-19.32	-15.18	-2.54	-8.33
		997	1.006e+04	42.30	-1959.00	-1958.09	41.38	-42.72	-1.48	-32.10	-23.63	-9.96	-13.70
		1015	9652.36	42.33	-1889.39	-1888.45	41.38	-42.72	-8.22	-39.69	-25.79	-22.12	-15.62
		1014	8909.90	66.95	-1878.62	-1876.81	65.14	-59.35	-5.68	-26.37	-17.35	-14.70	-10.26
795	5	996	9414.99	64.98	-1922.61	-1920.94	63.31	-57.67	4.97	-17.32	-14.14	1.79	-7.79
		997	1.006e+04	43.02	-1932.26	-1931.33	42.09	-42.82	1.56	-30.46	-22.96	-5.95	-13.56
		1015	9680.66	43.04	-1883.80	-1882.85	42.09	-42.82	-6.75	-38.23	-25.50	-19.48	-15.45
		1014	8916.14	65.02	-1874.17	-1872.46	63.31	-57.67	-4.22	-24.20	-16.68	-11.74	-9.68
795	6	996	9348.74	62.34	-1911.69	-1909.93	60.58	-58.93	4.46	-17.65	-14.26	1.07	-7.97

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		997	9980.03	39.06	-1921.90	-1920.94	38.11	-43.20	1.25	-30.37	-22.77	-6.35	-13.51
		1015	9612.91	39.09	-1874.58	-1873.61	38.11	-43.20	-6.62	-37.80	-25.18	-19.24	-15.31
		1014	8874.79	62.38	-1864.40	-1862.60	60.58	-58.93	-4.18	-24.31	-16.67	-11.82	-9.77
795	7	996	9264.46	63.48	-1899.91	-1898.14	61.71	-58.91	3.54	-18.10	-14.42	-0.14	-8.13
		997	9887.73	39.61	-1910.37	-1909.43	38.67	-42.79	0.50	-30.53	-22.72	-7.30	-13.46
		1015	9483.77	39.64	-1850.46	-1849.50	38.67	-42.79	-6.85	-37.72	-24.95	-19.62	-15.20
		1014	8759.61	63.53	-1840.03	-1838.21	61.71	-58.91	-4.46	-24.64	-16.65	-12.45	-9.87
795	8	996	7306.46	54.68	-1513.55	-1512.14	53.27	-46.92	0.71	-15.30	-11.90	-2.69	-6.55
		997	7793.35	37.37	-1521.12	-1520.33	36.58	-35.23	-1.57	-24.96	-18.26	-8.27	-10.57
		1015	7497.58	37.40	-1471.70	-1470.87	36.58	-35.23	-6.48	-30.68	-19.86	-17.30	-12.03
		1014	6936.92	54.73	-1464.14	-1462.69	53.27	-46.92	-4.55	-20.66	-13.49	-11.72	-8.00
795	9	996	6650.78	45.74	-1360.82	-1359.55	44.46	-42.34	2.95	-12.73	-10.22	0.44	-5.74
		997	7095.99	29.62	-1367.87	-1367.17	28.91	-31.46	0.72	-21.66	-16.19	-4.75	-9.61
		1015	6830.09	29.64	-1332.14	-1331.41	28.91	-31.46	-4.71	-26.85	-17.85	-13.71	-10.87
		1014	6311.58	45.77	-1325.10	-1323.79	44.46	-42.34	-3.00	-17.40	-11.88	-8.52	-7.00
795	10	996	6715.38	49.54	-1387.36	-1386.08	48.26	-42.99	1.11	-13.85	-10.83	-1.91	-6.00
		997	7162.07	33.39	-1394.44	-1393.72	32.66	-32.07	-1.00	-22.72	-16.70	-7.02	-9.72
		1015	6881.00	33.41	-1348.35	-1347.60	32.66	-32.07	-5.69	-27.93	-18.19	-15.42	-11.03
		1014	6365.89	49.59	-1341.29	-1339.96	48.26	-42.99	-3.93	-18.69	-12.32	-10.30	-7.31
795	11	996	6638.59	44.86	-1358.53	-1357.28	43.60	-41.91	2.97	-12.67	-10.20	0.50	-5.71
		997	7085.28	28.30	-1365.79	-1365.11	27.62	-30.72	0.73	-21.65	-16.20	-4.72	-9.60
		1015	6816.35	28.31	-1329.39	-1328.69	27.62	-30.72	-4.75	-26.87	-17.87	-13.75	-10.87
		1014	6295.19	44.89	-1322.14	-1320.86	43.60	-41.91	-3.03	-17.37	-11.87	-8.53	-6.97
796	1	995	7739.44	58.56	-1597.48	-1597.06	58.13	-26.48	10.10	-7.89	-7.13	9.34	-3.62
		996	8693.42	31.15	-1610.34	-1610.30	31.11	-7.57	3.68	-28.07	-21.35	-3.05	-12.97
		1014	8302.75	31.15	-1572.01	-1571.98	31.11	-7.57	-9.30	-41.12	-25.51	-24.91	-15.91
		1013	7001.53	58.57	-1559.17	-1558.74	58.13	-26.48	-5.32	-18.48	-11.28	-12.52	-6.55
796	2	995	9109.60	77.06	-1804.66	-1804.64	77.04	6.43	21.22	-5.10	-5.09	21.21	0.30
		996	1.012e+04	53.43	-1816.63	-1816.35	53.14	23.15	8.48	-29.75	-24.76	3.49	-12.88
		1014	9625.29	53.43	-1815.06	-1814.78	53.14	23.15	-12.60	-47.25	-31.07	-28.78	-17.29
		1013	7983.16	77.06	-1803.09	-1803.07	77.04	6.43	-7.12	-15.34	-11.41	-11.05	-4.10
796	3	995	7807.71	65.03	-1640.03	-1639.60	64.61	-26.85	7.11	-8.87	-7.81	6.05	-3.97
		996	8811.26	37.77	-1652.81	-1652.77	37.73	-8.03	0.89	-29.94	-22.30	-6.75	-13.31
		1014	8434.80	37.77	-1599.40	-1599.36	37.73	-8.03	-10.61	-43.83	-26.23	-28.20	-16.58
		1013	7080.67	65.05	-1586.63	-1586.19	64.61	-26.85	-6.10	-21.05	-11.74	-15.41	-7.24
796	4	995	7737.87	60.98	-1621.39	-1620.92	60.51	-28.14	7.42	-8.73	-7.74	6.43	-3.88
		996	8730.19	30.69	-1635.57	-1635.54	30.66	-7.25	1.17	-29.62	-22.14	-6.31	-13.20
		1014	8315.52	30.70	-1570.76	-1570.73	30.66	-7.25	-10.44	-43.38	-26.11	-27.72	-16.45
		1013	6967.43	61.00	-1556.59	-1556.10	60.51	-28.14	-6.03	-20.65	-11.71	-14.97	-7.13
796	5	995	7781.87	59.37	-1602.07	-1601.72	59.02	-23.98	10.66	-7.65	-7.00	10.02	-3.37
		996	8738.44	31.84	-1615.07	-1615.05	31.82	-4.94	3.95	-28.05	-21.49	-2.62	-12.93
		1014	8314.82	31.84	-1571.19	-1571.17	31.82	-4.94	-9.48	-41.32	-25.77	-25.04	-15.91
		1013	6995.36	59.38	-1558.20	-1557.85	59.02	-23.98	-5.46	-18.23	-11.29	-12.40	-6.36
796	6	995	7713.03	56.91	-1592.15	-1591.70	56.46	-27.18	10.08	-7.86	-7.12	9.34	-3.57
		996	8665.71	28.07	-1605.66	-1605.63	28.04	-7.28	3.66	-28.02	-21.33	-3.03	-12.93
		1014	8264.41	28.07	-1563.69	-1563.66	28.04	-7.28	-9.35	-41.05	-25.49	-24.90	-15.85
		1013	6962.71	56.92	-1550.19	-1549.73	56.46	-27.18	-5.39	-18.43	-11.29	-12.53	-6.49
796	7	995	7621.61	58.09	-1580.85	-1580.38	57.62	-27.81	9.03	-8.17	-7.28	8.14	-3.81
		996	8576.77	28.93	-1594.49	-1594.46	28.90	-7.70	2.91	-28.22	-21.27	-4.03	-12.96
		1014	8154.87	28.93	-1540.93	-1540.89	28.90	-7.70	-9.43	-41.15	-25.27	-25.30	-15.86
		1013	6859.74	58.11	-1527.30	-1526.81	57.62	-27.81	-5.43	-18.98	-11.27	-13.13	-6.71
796	8	995	6013.49	50.26	-1264.54	-1264.22	49.94	-20.70	5.36	-6.84	-6.02	4.54	-3.05
		996	6789.10	29.35	-1274.35	-1274.32	29.32	-6.27	0.56	-23.13	-17.21	-5.36	-10.25
		1014	6505.96	29.35	-1234.15	-1234.12	29.32	-6.27	-8.25	-33.90	-20.24	-21.90	-12.80
		1013	5459.26	50.27	-1224.35	-1224.01	49.94	-20.70	-4.74	-16.32	-9.05	-12.01	-5.60
796	9	995	5487.97	41.88	-1134.29	-1133.98	41.58	-18.88	6.96	-5.68	-5.11	6.39	-2.62
		996	6166.33	22.24	-1143.50	-1143.47	22.22	-5.32	2.45	-20.01	-15.18	-2.38	-9.23
		1014	5881.15	22.24	-1112.99	-1112.96	22.22	-5.32	-6.64	-29.26	-18.10	-17.79	-11.31
		1013	4957.86	41.89	-1103.78	-1103.47	41.58	-18.88	-3.81	-13.25	-8.04	-9.02	-4.70
796	10	995	5525.89	45.48	-1157.92	-1157.62	45.18	-19.08	5.30	-6.23	-5.49	4.56	-2.82
		996	6231.71	25.92	-1167.09	-1167.07	25.89	-5.58	0.91	-21.04	-15.71	-4.43	-9.42
		1014	5954.41	25.92	-1128.20	-1128.17	25.89	-5.58	-7.37	-30.76	-18.51	-19.62	-11.68
		1013	5001.77	45.49	-1119.04	-1118.72	45.18	-19.08	-4.24	-14.68	-8.29	-10.63	-5.08
796	11	995	5473.30	40.97	-1131.32	-1131.01	40.65	-19.26	6.95	-5.67	-5.11	6.39	-2.59
		996	6150.95	20.53	-1140.90	-1140.87	20.51	-5.16	2.44	-19.98	-15.17	-2.37	-9.21
		1014	5859.87	20.54	-1108.36	-1108.34	20.51	-5.16	-6.66	-29.22	-18.09	-17.79	-11.28
		1013	4936.31	40.98	-1098.80	-1098.47	40.65	-19.26	-3.84	-13.23	-8.04	-9.03	-4.67
797	1	994	5499.97	59.01	-1093.03	-1092.12	58.10	32.31	17.96	1.13	1.31	17.78	1.73
		995	6407.59	22.57	-1114.17	-1111.06	19.46	59.36	5.87	-23.28	-17.99	0.59	-11.24
		1013	6288.16	22.54	-1123.46	-1120.38	19.46	59.36	-11.03	-42.20	-23.98	-29.25	-15.36
		1012	4845.45	59.00	-1102.34	-1101.44	58.10	32.31	-3.96	-12.76	-4.67	-12.05	-2.39
797	2	994	6922.71	82.71	-1259.44	-1254.30	77.57	82.87	29.44	1.85	3.12	28.17	5.80

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		995	7567.50	50.63	-1280.62	-1271.81	41.83	107.89	10.35	-23.79	-20.47	7.03	-10.11
		1013	7146.04	50.47	-1305.46	-1296.82	41.83	107.89	-14.05	-44.58	-28.01	-30.61	-15.21
		1012	5427.18	82.61	-1284.35	-1279.31	77.57	82.87	-4.32	-9.58	-4.42	-9.48	0.71
797	3	994	5523.05	59.58	-1127.85	-1126.70	58.43	36.85	16.48	1.20	1.39	16.29	1.72
		995	6528.76	29.14	-1145.56	-1142.54	26.12	59.47	3.85	-25.09	-19.02	-2.22	-11.77
		1013	6537.07	29.11	-1158.81	-1155.83	26.12	59.47	-12.05	-46.15	-25.06	-33.14	-16.57
		1012	5191.15	59.57	-1141.13	-1139.99	58.43	36.85	-3.77	-15.51	-4.64	-14.64	-3.08
797	4	994	5425.17	61.19	-1104.14	-1103.55	60.60	26.15	15.96	0.93	1.10	15.80	1.55
		995	6409.08	18.93	-1128.25	-1125.38	16.06	57.33	3.82	-24.58	-18.67	-2.10	-11.53
		1013	6294.71	19.00	-1103.98	-1101.05	16.06	57.33	-11.58	-44.68	-24.50	-31.76	-16.14
		1012	4892.82	61.20	-1079.82	-1079.22	60.60	26.15	-3.81	-14.79	-4.74	-13.86	-3.06
797	5	994	5538.50	61.34	-1094.69	-1093.77	60.42	32.59	18.32	1.10	1.32	18.10	1.91
		995	6427.53	21.75	-1117.76	-1114.37	18.36	62.03	6.01	-23.16	-18.04	0.89	-11.10
		1013	6242.56	21.77	-1112.73	-1109.33	18.36	62.03	-11.12	-41.94	-24.05	-29.02	-15.21
		1012	4780.51	61.34	-1089.65	-1088.72	60.42	32.59	-4.07	-12.43	-4.69	-11.81	-2.20
797	6	994	5463.28	59.12	-1086.16	-1085.47	58.42	28.17	17.72	1.06	1.23	17.55	1.71
		995	6370.68	18.63	-1109.44	-1106.44	15.63	58.13	5.77	-23.18	-17.92	0.51	-11.16
		1013	6218.39	18.64	-1107.24	-1104.23	15.63	58.13	-11.00	-41.90	-23.86	-29.04	-15.23
		1012	4766.19	59.12	-1083.95	-1083.26	58.42	28.17	-4.00	-12.70	-4.70	-12.00	-2.36
797	7	994	5361.59	59.19	-1076.84	-1076.21	58.56	26.68	16.63	0.97	1.11	16.50	1.43
		995	6294.27	18.92	-1099.88	-1097.03	16.07	56.42	5.09	-23.42	-17.89	-0.43	-11.27
		1013	6146.36	18.95	-1087.77	-1084.88	16.07	56.42	-10.93	-42.22	-23.68	-29.47	-15.38
		1012	4736.26	59.19	-1064.70	-1064.06	58.56	26.68	-3.86	-13.36	-4.68	-12.54	-2.68
797	8	994	4256.94	45.60	-870.34	-869.43	44.69	28.92	12.70	0.95	1.11	12.54	1.36
		995	5035.17	22.93	-883.54	-881.22	20.62	45.77	2.88	-19.40	-14.71	-1.81	-9.08
		1013	5056.93	22.90	-896.70	-894.41	20.62	45.77	-9.35	-35.77	-19.37	-25.75	-12.82
		1012	4026.08	45.59	-883.52	-882.61	44.69	28.92	-2.89	-12.07	-3.56	-11.40	-2.38
797	9	994	3890.80	42.22	-775.52	-774.91	41.61	22.38	12.52	0.77	0.89	12.40	1.17
		995	4540.97	15.83	-790.80	-788.61	13.64	41.96	4.02	-16.60	-12.79	0.21	-8.00
		1013	4449.23	15.82	-793.20	-791.01	13.64	41.96	-7.82	-30.04	-17.01	-20.86	-10.94
		1012	3430.34	42.22	-777.92	-777.31	41.61	22.38	-2.80	-9.20	-3.33	-8.67	-1.77
797	10	994	3903.65	42.54	-794.86	-794.12	41.79	24.90	11.69	0.81	0.93	11.57	1.16
		995	4608.35	19.48	-808.24	-806.10	17.34	42.02	2.90	-17.60	-13.36	-1.34	-8.30
		1013	4587.54	19.47	-812.83	-810.71	17.34	42.02	-8.39	-32.23	-17.61	-23.02	-11.61
		1012	3622.49	42.53	-799.46	-798.72	41.79	24.90	-2.69	-10.73	-3.31	-10.10	-2.14
797	11	994	3870.48	42.28	-771.71	-771.21	41.79	20.08	12.38	0.73	0.84	12.27	1.16
		995	4520.50	13.64	-788.18	-786.05	11.51	41.28	3.96	-16.54	-12.75	0.17	-7.96
		1013	4410.53	13.65	-784.18	-782.04	11.51	41.28	-7.81	-29.87	-16.94	-20.74	-10.87
		1012	3386.30	42.29	-767.70	-767.20	41.79	20.08	-2.82	-9.17	-3.34	-8.64	-1.75
798	1	172	2879.45	55.59	-456.95	-433.79	32.43	106.46	17.38	3.91	5.47	15.82	4.31
		994	2875.11	28.56	-492.71	-454.44	-9.71	135.96	4.74	-14.43	-10.57	0.88	-7.69
		1012	3604.75	24.51	-549.87	-515.64	-9.71	135.96	-8.18	-30.52	-16.72	-21.98	-10.85
		173	2481.21	53.11	-515.67	-494.99	32.43	106.46	-0.48	-7.24	-0.68	-7.04	1.15
798	2	172	4151.90	77.48	-579.80	-536.32	34.00	163.37	25.72	3.04	6.09	22.67	7.74
		994	3680.58	54.30	-615.53	-555.70	-5.54	191.05	7.79	-13.31	-11.67	6.15	-5.65
		1012	3773.83	47.68	-691.42	-638.21	-5.54	191.05	-10.01	-28.14	-18.63	-19.53	-9.05
		173	3100.16	72.60	-657.43	-618.83	34.00	163.37	2.53	-6.41	-0.86	-3.01	4.34
798	3	172	2987.01	54.98	-470.11	-443.88	28.75	114.38	18.68	4.38	6.32	16.73	4.90
		994	2942.38	31.98	-501.33	-461.71	-7.64	139.86	3.80	-16.14	-11.61	-0.73	-8.36
		1012	4204.40	23.93	-627.37	-595.81	-7.64	139.86	-9.11	-35.70	-18.38	-26.43	-12.67
		173	2965.50	49.60	-598.83	-577.98	28.75	114.38	-0.41	-9.00	-0.45	-8.96	0.59
798	4	172	2738.44	41.89	-457.83	-436.76	20.83	100.42	16.72	4.25	5.90	15.08	4.22
		994	2853.73	16.11	-490.78	-456.08	-18.60	128.01	3.62	-15.59	-11.11	-0.86	-8.13
		1012	3706.96	15.82	-494.81	-460.40	-18.60	128.01	-8.39	-33.10	-17.13	-24.36	-11.81
		173	2408.04	41.71	-461.97	-441.08	20.83	100.42	-0.09	-8.46	-0.12	-8.43	0.54
798	5	172	2867.38	51.23	-461.31	-438.16	28.07	106.45	17.19	3.82	5.40	15.61	4.31
		994	2882.67	24.69	-496.33	-458.40	-13.24	135.37	4.73	-14.23	-10.51	1.02	-7.52
		1012	3462.20	23.30	-514.81	-478.28	-13.24	135.37	-8.18	-29.74	-16.49	-21.43	-10.50
		173	2319.64	50.36	-480.32	-458.03	28.07	106.45	-0.30	-7.12	-0.58	-6.84	1.34
798	6	172	2804.54	51.95	-452.22	-431.01	30.74	101.20	16.84	3.87	5.39	15.32	4.18
		994	2847.39	23.69	-488.69	-452.30	-12.70	131.60	4.60	-14.34	-10.48	0.73	-7.63
		1012	3477.98	21.95	-512.62	-477.97	-12.70	131.60	-8.12	-30.02	-16.45	-21.69	-10.63
		173	2338.20	50.92	-476.87	-456.69	30.74	101.20	-0.37	-7.31	-0.57	-7.10	1.18
798	7	172	2705.62	47.01	-446.92	-425.98	26.07	99.53	16.21	3.99	5.44	14.76	3.95
		994	2797.78	20.52	-481.04	-445.91	-14.61	128.00	4.21	-14.69	-10.52	0.04	-7.84
		1012	3514.66	19.34	-497.27	-463.32	-14.61	128.00	-8.03	-30.74	-16.41	-22.36	-10.96
		173	2333.77	46.30	-463.62	-443.39	26.07	99.53	-0.36	-7.73	-0.45	-7.63	0.84
798	8	172	2319.86	43.24	-362.46	-342.02	22.81	88.74	14.58	3.39	4.93	13.04	3.85
		994	2271.94	25.59	-386.51	-355.74	-5.19	108.33	2.90	-12.50	-9.00	-0.60	-6.46
		1012	3285.84	18.85	-493.46	-469.42	-5.19	108.33	-7.10	-27.81	-14.28	-20.62	-9.86
		173	2330.99	38.73	-471.63	-455.70	22.81	88.74	-0.32	-7.01	-0.35	-6.98	0.45
798	9	172	2020.21	37.86	-324.22	-307.92	21.56	75.08	12.16	2.80	3.89	11.07	3.00

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		994	2033.64	19.02	-349.07	-322.29	-7.76	95.60	3.28	-10.33	-7.52	0.47	-5.51
		1012	2553.75	16.63	-382.51	-358.12	-7.76	95.60	-5.79	-21.79	-11.85	-15.73	-7.76
		173	1742.60	36.39	-358.58	-343.75	21.56	75.08	-0.32	-5.24	-0.44	-5.12	0.75
798	10	172	2079.48	37.51	-331.52	-313.53	19.52	79.48	12.88	3.07	4.37	11.58	3.33
		994	2071.43	20.92	-353.86	-326.33	-6.61	97.77	2.76	-11.28	-8.10	-0.43	-5.88
		1012	2885.78	16.21	-425.48	-402.65	-6.61	97.77	-6.31	-24.66	-12.77	-18.20	-8.77
		173	2011.80	34.41	-404.74	-389.85	19.52	79.48	-0.28	-6.22	-0.31	-6.19	0.44
798	11	172	1978.63	35.83	-321.59	-306.38	20.62	72.16	11.86	2.78	3.85	10.79	2.92
		994	2018.42	16.31	-346.83	-321.10	-9.42	93.18	3.20	-10.28	-7.47	0.38	-5.48
		1012	2483.74	15.22	-361.83	-337.19	-9.42	93.18	-5.76	-21.51	-11.70	-15.57	-7.63
		173	1663.24	35.18	-337.03	-322.47	20.62	72.16	-0.26	-5.28	-0.38	-5.16	0.77
799	1	984	2585.51	-14.63	-293.04	-288.26	-19.41	36.17	-7.05	-25.61	-14.27	-18.39	-9.05
		178	1514.45	5.58	-278.05	-276.68	4.22	19.62	0.88	-5.88	0.55	-5.54	1.48
		182	2190.00	5.24	-372.78	-371.76	4.22	19.62	15.64	3.84	5.35	14.13	3.94
		1002	2605.60	-15.86	-386.90	-383.34	-19.41	36.17	4.40	-12.59	-9.47	1.28	-6.58
799	2	984	2846.87	-21.38	-292.67	-289.72	-24.34	28.16	-6.49	-28.81	-14.64	-20.66	-10.75
		178	1683.63	-6.42	-282.38	-281.41	-7.39	16.29	0.04	-8.65	0.04	-8.64	-0.06
		182	1823.82	-6.65	-370.42	-369.69	-7.39	16.29	11.84	4.73	5.10	11.47	1.58
		1002	2704.62	-22.11	-380.23	-378.00	-24.34	28.16	5.11	-15.23	-9.58	-0.54	-9.11
799	3	984	2742.78	-16.19	-289.71	-286.79	-19.11	28.11	-7.34	-27.56	-14.85	-20.05	-9.78
		178	1603.26	0.09	-278.63	-277.79	-0.75	15.25	1.10	-6.67	0.91	-6.48	1.19
		182	2249.44	-0.17	-404.47	-403.89	-0.75	15.25	15.88	4.26	5.75	14.39	3.88
		1002	2792.30	-17.12	-414.89	-412.89	-19.11	28.11	4.32	-13.51	-10.01	0.82	-7.08
799	4	984	2676.91	-16.59	-294.05	-290.08	-20.56	32.96	-7.11	-26.74	-14.52	-19.33	-9.52
		178	1557.91	1.81	-280.85	-279.69	0.65	18.11	0.77	-6.34	0.57	-6.14	1.18
		182	2145.27	1.51	-379.17	-378.30	0.65	18.11	15.18	3.95	5.43	13.70	3.80
		1002	2632.45	-17.63	-391.62	-388.69	-20.56	32.96	4.00	-13.15	-9.67	0.51	-6.90
799	5	984	2593.67	-14.83	-292.90	-288.26	-19.48	35.63	-7.02	-25.70	-14.27	-18.45	-9.11
		178	1519.62	5.03	-278.24	-276.91	3.69	19.41	0.82	-5.98	0.51	-5.68	1.41
		182	2170.76	4.69	-373.13	-372.13	3.69	19.41	15.41	3.88	5.32	13.97	3.81
		1002	2610.27	-16.02	-386.94	-383.48	-19.48	35.63	4.44	-12.70	-9.47	1.21	-6.70
799	6	984	2585.27	-14.46	-293.07	-288.27	-19.27	36.26	-7.05	-25.61	-14.28	-18.38	-9.05
		178	1514.53	5.76	-278.06	-276.68	4.38	19.71	0.89	-5.87	0.55	-5.53	1.48
		182	2192.91	5.41	-372.88	-371.85	4.38	19.71	15.66	3.85	5.36	14.15	3.95
		1002	2607.34	-15.69	-387.01	-383.44	-19.27	36.26	4.42	-12.59	-9.47	1.30	-6.58
799	7	984	2575.87	-14.52	-292.97	-288.22	-19.28	36.08	-7.09	-25.46	-14.26	-18.29	-8.96
		178	1506.80	5.65	-278.02	-276.67	4.30	19.58	0.96	-5.76	0.58	-5.38	1.56
		182	2209.47	5.31	-373.09	-372.08	4.30	19.58	15.85	3.78	5.37	14.26	4.08
		1002	2602.87	-15.74	-387.16	-383.63	-19.28	36.08	4.35	-12.47	-9.47	1.35	-6.44
799	8	984	2107.95	-12.37	-222.66	-220.50	-14.53	21.20	-5.62	-21.15	-11.41	-15.36	-7.51
		178	1232.48	-0.14	-214.39	-213.76	-0.77	11.56	0.84	-5.12	0.70	-4.98	0.91
		182	1733.29	-0.34	-313.32	-312.89	-0.77	11.56	12.17	3.30	4.42	11.05	2.95
		1002	2159.35	-13.06	-321.10	-319.64	-14.53	21.20	3.37	-10.40	-7.69	0.67	-5.47
799	9	984	1851.50	-10.62	-208.09	-204.76	-13.95	25.43	-5.07	-18.41	-10.21	-13.27	-6.49
		178	1083.91	3.70	-197.51	-196.57	2.76	13.73	0.65	-4.25	0.42	-4.02	1.03
		182	1559.40	3.46	-265.28	-264.57	2.76	13.73	11.19	2.74	3.85	10.09	2.85
		1002	1854.89	-11.48	-275.23	-272.76	-13.95	25.43	3.06	-9.01	-6.78	0.84	-4.68
799	10	984	1938.98	-11.50	-206.23	-203.95	-13.78	20.95	-5.22	-19.49	-10.53	-14.19	-6.90
		178	1133.26	0.65	-197.84	-197.19	1.37e-03	11.30	0.77	-4.68	0.63	-4.54	0.88
		182	1592.06	0.45	-282.88	-282.42	1.37e-03	11.30	11.32	2.98	4.07	10.23	2.82
		1002	1958.54	-12.20	-290.76	-289.18	-13.78	20.95	3.02	-9.52	-7.08	0.58	-4.96
799	11	984	1851.36	-10.53	-208.11	-204.77	-13.87	25.48	-5.06	-18.41	-10.21	-13.26	-6.49
		178	1083.95	3.80	-197.52	-196.57	2.85	13.78	0.66	-4.24	0.43	-4.01	1.04
		182	1561.02	3.56	-265.33	-264.62	2.85	13.78	11.21	2.75	3.85	10.10	2.85
		1002	1855.85	-11.38	-275.30	-272.81	-13.87	25.48	3.07	-9.01	-6.78	0.85	-4.68
800	1	983	5345.44	-15.33	-910.98	-910.95	-15.36	-5.28	-9.50	-34.11	-20.88	-22.73	-12.27
		984	3774.83	62.10	-878.17	-874.70	58.62	-57.07	-3.73	-9.29	-4.10	-8.93	-1.38
		1002	4985.60	61.74	-987.27	-984.16	58.62	-57.07	15.58	0.26	0.40	15.44	1.47
		1001	5922.65	-15.34	-1020.44	-1020.41	-15.36	-5.28	5.66	-20.40	-16.37	1.63	-9.42
800	2	983	5630.37	-20.13	-942.32	-941.78	-20.67	-22.23	-8.23	-36.19	-21.19	-23.23	-13.94
		984	3932.03	58.78	-911.28	-905.62	53.12	-73.88	-3.38	-12.01	-4.75	-10.65	-3.15
		1002	5087.16	58.18	-1026.08	-1021.02	53.12	-73.88	13.63	-0.37	-0.25	13.51	-1.27
		1001	6221.29	-20.19	-1057.65	-1057.18	-20.67	-22.23	7.06	-22.82	-16.69	0.93	-12.06
800	3	983	5444.46	-17.35	-932.86	-932.86	-17.35	-0.58	-9.55	-35.06	-21.10	-23.50	-12.70
		984	3884.94	72.37	-894.59	-890.77	68.55	-60.70	-3.68	-10.06	-4.27	-9.48	-1.84
		1002	5061.32	71.96	-1011.02	-1007.61	68.55	-60.70	14.53	0.02	0.13	14.43	1.21
		1001	6007.07	-17.35	-1049.70	-1049.70	-17.35	-0.58	4.75	-21.05	-16.71	0.41	-9.65
800	4	983	5423.29	-16.25	-926.42	-926.34	-16.34	-8.73	-9.47	-34.59	-20.94	-23.11	-12.51
		984	3839.75	63.95	-893.03	-888.98	59.90	-62.10	-3.84	-10.06	-4.42	-9.48	-1.82
		1002	5016.09	63.51	-1008.43	-1004.82	59.90	-62.10	14.08	-0.15	-0.07	14.00	1.04
		1001	5982.58	-16.26	-1042.25	-1042.18	-16.34	-8.73	4.74	-20.96	-16.59	0.37	-9.65
800	5	983	5355.62	-15.59	-912.50	-912.47	-15.62	-5.53	-9.42	-34.15	-20.88	-22.70	-12.33

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		984	3780.31	62.45	-879.50	-875.95	58.90	-57.70	-3.72	-9.38	-4.13	-8.97	-1.46
		1002	4990.51	62.08	-988.76	-985.58	58.90	-57.70	15.48	0.25	0.36	15.36	1.33
		1001	5935.29	-15.59	-1022.13	-1022.10	-15.62	-5.53	5.74	-20.49	-16.38	1.63	-9.54
800	6	983	5343.94	-14.98	-910.90	-910.88	-15.00	-4.72	-9.49	-34.10	-20.88	-22.71	-12.27
		984	3774.76	62.66	-877.93	-874.50	59.23	-56.69	-3.73	-9.27	-4.10	-8.91	-1.38
		1002	4989.66	62.31	-987.47	-984.40	59.23	-56.69	15.60	0.26	0.40	15.46	1.47
		1001	5925.08	-14.98	-1020.79	-1020.77	-15.00	-4.72	5.68	-20.40	-16.38	1.66	-9.42
800	7	983	5335.30	-15.13	-910.15	-910.12	-15.15	-4.95	-9.58	-34.02	-20.86	-22.73	-12.18
		984	3769.95	62.28	-877.30	-873.86	58.84	-56.75	-3.75	-9.18	-4.08	-8.85	-1.29
		1002	4979.53	61.92	-985.24	-982.16	58.84	-56.75	15.66	0.25	0.42	15.49	1.62
		1001	5906.12	-15.13	-1018.44	-1018.41	-15.15	-4.95	5.53	-20.29	-16.36	1.61	-9.27
800	8	983	4187.42	-13.43	-718.83	-718.83	-13.43	0.11	-7.27	-26.85	-16.19	-17.93	-9.75
		984	2985.78	56.46	-688.97	-686.02	53.52	-46.75	-2.84	-7.68	-3.31	-7.21	-1.44
		1002	3901.00	56.15	-778.85	-776.22	53.52	-46.75	11.12	-0.02	0.06	11.05	0.88
		1001	4624.54	-13.43	-809.03	-809.03	-13.43	0.11	3.68	-16.17	-12.82	0.34	-7.43
800	9	983	3806.04	-10.95	-647.69	-647.66	-10.98	-3.95	-6.84	-24.44	-14.90	-16.38	-8.77
		984	2693.64	44.16	-624.37	-621.87	41.66	-40.80	-2.64	-6.73	-2.90	-6.47	-1.00
		1002	3539.89	43.90	-702.12	-699.88	41.66	-40.80	11.04	0.20	0.31	10.93	1.08
		1001	4209.76	-10.96	-725.70	-725.67	-10.98	-3.95	3.89	-14.56	-11.69	1.02	-6.69
800	10	983	3861.13	-12.08	-659.83	-659.83	-12.08	-1.33	-6.86	-24.96	-15.02	-16.80	-9.01
		984	2754.82	49.87	-633.49	-630.79	47.18	-42.81	-2.62	-7.15	-2.99	-6.78	-1.25
		1002	3581.83	49.58	-715.31	-712.91	47.18	-42.81	10.45	0.07	0.15	10.37	0.94
		1001	4256.70	-12.08	-741.95	-741.95	-12.08	-1.33	3.39	-14.92	-11.88	0.34	-6.82
800	11	983	3805.19	-10.76	-647.64	-647.62	-10.78	-3.64	-6.83	-24.43	-14.90	-16.37	-8.77
		984	2693.61	44.48	-624.23	-621.76	42.00	-40.58	-2.64	-6.72	-2.90	-6.46	-1.00
		1002	3542.15	44.22	-702.22	-700.01	42.00	-40.58	11.05	0.20	0.31	10.94	1.08
		1001	4211.10	-10.76	-725.89	-725.87	-10.78	-3.64	3.90	-14.56	-11.69	1.04	-6.69
801	1	982	7567.13	-11.16	-1437.51	-1437.26	-11.41	-19.08	-7.68	-33.30	-22.98	-18.00	-12.56
		983	6494.68	64.87	-1404.87	-1401.52	61.52	-70.13	-5.04	-14.44	-10.83	-8.64	-4.57
		1001	7324.18	64.72	-1473.81	-1470.60	61.52	-70.13	10.23	-7.99	-7.43	9.67	-3.14
		1000	8142.99	-11.17	-1506.58	-1506.34	-11.41	-19.08	5.30	-24.57	-19.58	0.32	-11.14
801	2	982	7994.34	-13.70	-1501.56	-1499.91	-15.36	-49.58	-5.24	-33.92	-23.06	-16.09	-13.91
		983	6930.89	61.03	-1471.97	-1465.60	54.66	-98.60	-3.50	-16.83	-11.71	-8.62	-6.48
		1001	7838.13	60.65	-1569.89	-1563.90	54.66	-98.60	10.30	-10.75	-8.71	8.25	-6.23
		1000	8725.81	-13.81	-1599.76	-1598.21	-15.36	-49.58	7.54	-26.82	-20.06	0.78	-13.66
801	3	982	7662.78	-14.49	-1463.65	-1463.11	-15.03	-27.93	-7.49	-32.90	-22.77	-17.62	-12.44
		983	6664.45	53.96	-1434.75	-1431.10	50.30	-73.66	-5.13	-15.62	-11.59	-9.16	-5.10
		1001	7447.71	53.76	-1518.54	-1515.08	50.30	-73.66	7.91	-9.49	-8.56	6.99	-3.91
		1000	8246.54	-14.52	-1547.61	-1547.10	-15.03	-27.93	3.89	-25.10	-19.73	-1.48	-11.25
801	4	982	7673.74	-11.72	-1465.46	-1465.08	-12.10	-23.46	-7.59	-33.19	-22.89	-17.89	-12.55
		983	6665.59	65.81	-1432.57	-1428.77	62.01	-75.34	-5.16	-15.53	-11.50	-9.19	-5.05
		1001	7431.53	65.63	-1506.56	-1502.94	62.01	-75.34	8.25	-9.24	-8.38	7.39	-3.78
		1000	8226.48	-11.74	-1539.62	-1539.26	-12.10	-23.46	4.04	-25.12	-19.78	-1.31	-11.28
801	5	982	7582.88	-11.59	-1439.87	-1439.58	-11.88	-20.44	-7.53	-33.25	-22.96	-17.81	-12.60
		983	6513.09	64.06	-1407.51	-1404.06	60.60	-71.18	-4.94	-14.51	-10.87	-8.58	-4.65
		1001	7346.01	63.90	-1478.00	-1474.70	60.60	-71.18	10.23	-8.11	-7.50	9.62	-3.29
		1000	8167.80	-11.60	-1510.50	-1510.22	-11.88	-20.44	5.44	-24.64	-19.59	0.39	-11.24
801	6	982	7563.56	-11.03	-1437.31	-1437.10	-11.24	-17.33	-7.67	-33.29	-22.98	-17.98	-12.56
		983	6492.86	65.77	-1404.20	-1400.96	62.52	-68.96	-5.02	-14.42	-10.82	-8.62	-4.57
		1001	7322.41	65.62	-1472.68	-1469.59	62.52	-68.96	10.26	-7.97	-7.42	9.71	-3.13
		1000	8138.66	-11.04	-1505.93	-1505.73	-11.24	-17.33	5.32	-24.56	-19.58	0.34	-11.13
801	7	982	7551.06	-11.07	-1435.62	-1435.38	-11.30	-18.35	-7.83	-33.26	-22.98	-18.11	-12.48
		983	6480.66	64.89	-1402.94	-1399.66	61.60	-69.38	-5.14	-14.35	-10.81	-8.68	-4.48
		1001	7295.16	64.75	-1468.60	-1465.46	61.60	-69.38	10.15	-7.91	-7.40	9.64	-2.99
		1000	8109.06	-11.08	-1501.41	-1501.18	-11.30	-18.35	5.10	-24.46	-19.56	0.20	-11.00
801	8	982	5897.27	-11.37	-1127.05	-1126.62	-11.80	-21.92	-5.62	-25.11	-17.43	-13.30	-9.52
		983	5141.94	40.68	-1105.09	-1102.28	37.87	-56.69	-3.87	-12.03	-8.97	-6.92	-3.95
		1001	5741.04	40.53	-1170.63	-1167.97	37.87	-56.69	6.01	-7.42	-6.67	5.26	-3.09
		1000	6349.08	-11.39	-1192.72	-1192.31	-11.80	-21.92	3.01	-19.27	-15.13	-1.12	-8.66
801	9	982	5380.23	-7.97	-1022.15	-1021.96	-8.16	-13.82	-5.60	-23.83	-16.39	-13.03	-8.96
		983	4611.28	46.04	-998.99	-996.58	43.63	-50.07	-3.68	-10.34	-7.70	-6.32	-3.26
		1001	5199.46	45.93	-1047.87	-1045.58	43.63	-50.07	7.15	-5.67	-5.28	6.76	-2.20
		1000	5785.51	-7.98	-1071.13	-1070.95	-8.16	-13.82	3.60	-17.53	-13.97	0.04	-7.91
801	10	982	5433.28	-9.82	-1036.67	-1036.32	-10.17	-18.74	-5.49	-23.61	-16.27	-12.83	-8.90
		983	4705.66	39.98	-1015.59	-1013.01	37.40	-52.04	-3.73	-10.99	-8.12	-6.60	-3.55
		1001	5267.55	39.84	-1072.73	-1070.29	37.40	-52.04	5.85	-6.49	-5.91	5.27	-2.63
		1000	5843.07	-9.84	-1093.92	-1093.60	-10.17	-18.74	2.81	-17.83	-14.06	-0.95	-7.97
801	11	982	5378.23	-7.90	-1022.04	-1021.87	-8.06	-12.85	-5.59	-23.83	-16.39	-13.02	-8.96
		983	4610.25	46.54	-998.61	-996.27	44.19	-49.43	-3.67	-10.32	-7.69	-6.30	-3.25
		1001	5198.48	46.43	-1047.25	-1045.01	44.19	-49.43	7.17	-5.66	-5.27	6.78	-2.20
		1000	5783.10	-7.90	-1070.77	-1070.62	-8.06	-12.85	3.61	-17.53	-13.97	0.05	-7.91
802	1	981	9324.58	-0.56	-1831.40	-1831.05	-0.92	-25.55	-3.85	-31.00	-23.32	-11.53	-12.23

		982	8747.22	53.49	-1807.49	-1805.41	51.41	-62.18	-2.83	-20.53	-16.50	-6.87	-7.42
		1000	9128.49	53.47	-1825.24	-1823.18	51.41	-62.18	6.84	-16.76	-14.18	4.26	-7.36
		999	9645.06	-0.56	-1849.17	-1848.82	-0.92	-25.55	5.24	-26.64	-21.00	-0.40	-12.17
802	2	981	9973.84	0.44	-1936.22	-1934.50	-1.27	-57.66	0.19	-30.53	-23.17	-7.17	-13.11
		982	9465.02	61.80	-1910.92	-1906.01	56.88	-98.37	0.07	-22.56	-17.61	-4.87	-9.35
		1000	1.003e+04	61.63	-1977.89	-1973.13	56.88	-98.37	8.03	-20.68	-16.11	3.46	-10.51
		999	1.051e+04	0.39	-2003.29	-2001.63	-1.27	-57.66	8.02	-28.52	-21.66	1.16	-14.27
802	3	981	9499.14	0.63	-1874.60	-1873.95	-0.02	-34.75	-3.69	-30.58	-23.15	-11.12	-12.02
		982	9015.13	54.95	-1851.00	-1848.33	52.28	-71.35	-3.07	-21.87	-17.49	-7.45	-7.94
		1000	9336.83	54.92	-1875.02	-1872.38	52.28	-71.35	4.55	-18.84	-15.55	1.27	-8.13
		999	9782.58	0.62	-1898.64	-1898.00	-0.02	-34.75	3.60	-27.22	-21.21	-2.40	-12.20
802	4	981	9476.00	-0.20	-1870.91	-1870.46	-0.65	-29.03	-3.74	-30.66	-23.18	-11.21	-12.06
		982	8982.80	55.75	-1846.33	-1843.98	53.40	-66.86	-3.09	-21.76	-17.39	-7.46	-7.90
		1000	9288.48	55.73	-1863.76	-1861.42	53.40	-66.86	4.77	-18.65	-15.41	1.53	-8.08
		999	9741.20	-0.20	-1888.35	-1887.91	-0.65	-29.03	3.78	-27.20	-21.20	-2.22	-12.24
802	5	981	9351.65	-0.62	-1835.34	-1834.93	-1.03	-27.57	-3.62	-30.91	-23.29	-11.24	-12.24
		982	8778.11	53.22	-1811.62	-1809.42	51.02	-64.01	-2.65	-20.59	-16.54	-6.70	-7.50
		1000	9168.47	53.20	-1831.85	-1829.67	51.02	-64.01	6.92	-16.92	-14.27	4.27	-7.50
		999	9683.83	-0.62	-1855.59	-1855.18	-1.03	-27.57	5.40	-26.70	-21.03	-0.27	-12.24
802	6	981	9316.02	-0.69	-1830.03	-1829.72	-1.00	-23.84	-3.83	-30.97	-23.30	-11.49	-12.22
		982	8740.41	53.21	-1806.09	-1804.12	51.25	-60.41	-2.82	-20.52	-16.49	-6.84	-7.42
		1000	9120.55	53.19	-1823.70	-1821.76	51.25	-60.41	6.84	-16.76	-14.18	4.27	-7.36
		999	9635.68	-0.69	-1847.67	-1847.36	-1.00	-23.84	5.25	-26.62	-20.99	-0.38	-12.16
802	7	981	9299.99	-0.49	-1828.12	-1827.78	-0.84	-24.97	-4.07	-31.01	-23.32	-11.77	-12.17
		982	8722.72	53.05	-1804.40	-1802.37	51.02	-61.27	-3.02	-20.48	-16.48	-7.02	-7.33
		1000	9080.59	53.03	-1817.09	-1815.08	51.02	-61.27	6.66	-16.64	-14.14	4.15	-7.21
		999	9595.90	-0.50	-1840.83	-1840.49	-0.84	-24.97	4.99	-26.57	-20.98	-0.59	-12.05
802	8	981	7317.57	0.56	-1444.09	-1443.57	0.05	-27.16	-2.66	-23.35	-17.73	-8.27	-9.20
		982	6957.16	42.36	-1425.95	-1423.87	40.27	-55.31	-2.24	-16.87	-13.52	-5.59	-6.14
		1000	7200.25	42.33	-1445.14	-1443.08	40.27	-55.31	3.45	-14.65	-12.06	0.86	-6.33
		999	7533.48	0.56	-1463.29	-1462.78	0.05	-27.16	2.79	-20.89	-16.28	-1.82	-9.38
802	9	981	6626.83	-0.38	-1302.38	-1302.12	-0.64	-18.46	-2.92	-22.18	-16.63	-8.47	-8.72
		982	6211.96	38.01	-1285.41	-1283.91	36.52	-44.46	-2.18	-14.65	-11.73	-5.10	-5.28
		1000	6480.74	38.00	-1297.46	-1295.98	36.52	-44.46	4.71	-11.92	-10.09	2.88	-5.20
		999	6851.43	-0.38	-1314.44	-1314.18	-0.64	-18.46	3.54	-19.02	-14.98	-0.49	-8.64
802	10	981	6723.68	0.28	-1326.37	-1325.95	-0.14	-23.56	-2.84	-21.94	-16.54	-8.24	-8.60
		982	6360.80	38.82	-1309.58	-1307.76	37.00	-49.56	-2.31	-15.39	-12.29	-5.42	-5.57
		1000	6596.16	38.80	-1325.11	-1323.31	37.00	-49.56	3.43	-13.07	-10.85	1.21	-5.63
		999	6927.89	0.28	-1341.92	-1341.51	-0.14	-23.56	2.63	-19.33	-15.10	-1.61	-8.66
802	11	981	6622.07	-0.45	-1301.62	-1301.38	-0.68	-17.50	-2.91	-22.15	-16.62	-8.44	-8.71
		982	6208.17	37.86	-1284.63	-1283.20	36.42	-43.48	-2.17	-14.64	-11.73	-5.08	-5.27
		1000	6476.33	37.84	-1296.61	-1295.19	36.42	-43.48	4.71	-11.92	-10.09	2.88	-5.20
		999	6846.21	-0.45	-1313.60	-1313.37	-0.68	-17.50	3.54	-19.00	-14.98	-0.49	-8.64
803	1	980	1.044e+04	13.57	-2073.00	-2072.53	13.11	-31.06	0.96	-27.95	-22.15	-4.84	-11.58
		981	1.026e+04	40.28	-2060.94	-2059.79	39.12	-49.27	0.35	-25.06	-20.41	-4.30	-9.82
		999	1.023e+04	40.30	-2026.00	-2024.82	39.12	-49.27	4.78	-23.94	-19.12	-0.04	-10.73
803	2	980	1.041e+04	13.58	-2038.04	-2037.57	13.11	-31.06	5.37	-26.81	-20.86	-0.58	-12.50
		981	1.131e+04	16.82	-2214.10	-2212.70	15.42	-55.93	6.83	-26.55	-21.71	1.99	-11.76
		982	1.124e+04	56.43	-2197.11	-2194.08	53.41	-82.52	4.76	-26.80	-21.74	-0.30	-11.57
		999	1.146e+04	56.39	-2233.95	-2230.97	53.41	-82.52	6.29	-28.41	-21.72	-0.40	-13.69
803	3	980	1.152e+04	16.80	-2250.97	-2249.58	15.42	-55.93	8.31	-28.10	-21.68	1.88	-13.88
		981	1.066e+04	15.29	-2127.26	-2126.58	14.61	-38.06	1.04	-27.54	-22.03	-4.46	-11.27
		982	1.058e+04	44.68	-2114.17	-2112.61	43.12	-58.02	-0.11	-26.47	-21.55	-5.03	-10.27
		999	1.047e+04	44.70	-2077.62	-2076.04	43.12	-58.02	2.53	-26.32	-20.60	-3.19	-11.50
803	4	980	1.055e+04	15.30	-2090.69	-2090.01	14.61	-38.06	3.69	-27.40	-21.09	-2.63	-12.51
		981	1.042e+04	14.41	-2120.08	-2119.57	13.90	-33.03	1.10	-27.51	-22.00	-4.42	-11.28
		982	1.054e+04	42.81	-2107.30	-2106.03	41.53	-52.37	-0.04	-26.35	-21.45	-4.94	-10.24
		999	1.042e+04	42.83	-2066.06	-2064.76	41.53	-52.37	2.70	-26.17	-20.50	-2.98	-11.47
803	5	980	1.050e+04	14.42	-2078.82	-2078.30	13.90	-33.03	3.83	-27.34	-21.04	-2.46	-12.51
		981	1.048e+04	13.78	-2078.69	-2078.17	13.27	-32.74	1.25	-27.86	-22.13	-4.48	-11.57
		982	1.031e+04	40.93	-2066.48	-2065.23	39.68	-51.23	0.59	-25.09	-20.45	-4.05	-9.88
		999	1.029e+04	40.95	-2033.79	-2032.52	39.68	-51.23	4.90	-24.08	-19.21	0.04	-10.84
803	6	980	1.045e+04	13.79	-2045.99	-2045.47	13.27	-32.74	5.54	-26.83	-20.89	-0.40	-12.53
		981	1.043e+04	13.43	-2070.59	-2070.17	13.01	-29.59	0.99	-27.91	-22.13	-4.79	-11.56
		982	1.025e+04	39.78	-2058.66	-2057.58	38.70	-47.58	0.37	-25.04	-20.41	-4.26	-9.81
		999	1.022e+04	39.80	-2023.81	-2022.72	38.70	-47.58	4.77	-23.94	-19.12	-0.05	-10.73
803	7	980	1.039e+04	13.44	-2035.73	-2035.31	13.01	-29.59	5.37	-26.78	-20.84	-0.57	-12.48
		981	1.041e+04	13.69	-2068.58	-2068.13	13.24	-30.54	0.64	-28.02	-22.17	-5.20	-11.55
		982	1.023e+04	39.97	-2056.70	-2055.58	38.85	-48.47	0.07	-25.02	-20.39	-4.56	-9.74
		999	1.017e+04	39.99	-2014.82	-2013.67	38.85	-48.47	4.57	-23.81	-19.05	-0.19	-10.60
803	8	980	1.034e+04	13.70	-2026.68	-2026.22	13.24	-30.54	5.10	-26.77	-20.83	-0.84	-12.41
		981	8213.10	11.84	-1638.97	-1638.44	11.31	-29.59	1.01	-21.03	-16.87	-3.15	-8.62

		981	8164.16	34.61	-1628.84	-1627.62	33.39	-45.05	0.06	-20.42	-16.65	-3.71	-7.94
		999	8077.85	34.63	-1601.18	-1599.94	33.39	-45.05	1.90	-20.42	-15.95	-2.57	-8.93
		998	8126.39	11.85	-1611.29	-1610.75	11.31	-29.59	2.86	-21.03	-16.18	-2.00	-9.61
803	9	980	7417.27	9.71	-1474.34	-1474.00	9.37	-22.30	0.45	-19.99	-15.81	-3.73	-8.25
		981	7289.97	28.72	-1465.76	-1464.93	27.89	-35.27	0.04	-17.86	-14.52	-3.30	-6.97
		999	7265.97	28.74	-1439.84	-1438.99	27.89	-35.27	3.23	-17.03	-13.59	-0.20	-7.60
		998	7391.32	9.71	-1448.40	-1448.06	9.37	-22.30	3.63	-19.14	-14.88	-0.64	-8.88
803	10	980	7538.79	10.66	-1504.48	-1504.03	10.21	-26.19	0.49	-19.76	-15.74	-3.53	-8.08
		981	7465.02	31.16	-1495.33	-1494.27	30.11	-40.12	-0.21	-18.64	-15.15	-3.70	-7.22
		999	7398.99	31.18	-1468.52	-1467.44	30.11	-40.12	1.98	-18.35	-14.42	-1.95	-8.03
		998	7472.37	10.67	-1477.66	-1477.19	10.21	-26.19	2.69	-19.47	-15.01	-1.77	-8.88
803	11	980	7410.50	9.63	-1473.00	-1472.69	9.32	-21.49	0.47	-19.97	-15.80	-3.71	-8.24
		981	7283.97	28.45	-1464.49	-1463.70	27.66	-34.32	0.05	-17.85	-14.52	-3.28	-6.97
		999	7259.47	28.46	-1438.62	-1437.82	27.66	-34.32	3.23	-17.03	-13.60	-0.20	-7.60
		998	7384.13	9.63	-1447.12	-1446.81	9.32	-21.49	3.62	-19.13	-14.87	-0.63	-8.87
804	1	979	1.078e+04	30.43	-2147.00	-2146.33	29.76	-38.14	6.47	-23.28	-19.11	2.30	-10.33
		980	1.099e+04	26.50	-2148.79	-2148.22	25.92	-35.45	4.04	-27.82	-22.63	-1.15	-11.77
		998	1.055e+04	26.52	-2064.89	-2064.29	25.92	-35.45	2.79	-29.61	-22.46	-4.36	-13.43
		997	1.033e+04	30.46	-2063.10	-2062.41	29.76	-38.14	5.08	-24.93	-18.94	-0.91	-12.00
804	2	979	1.180e+04	31.88	-2315.12	-2314.29	31.05	-44.18	13.93	-21.14	-18.27	11.07	-9.61
		980	1.215e+04	47.75	-2308.01	-2306.73	46.47	-54.98	9.74	-29.26	-24.13	4.61	-13.18
		998	1.195e+04	47.75	-2306.76	-2305.47	46.47	-54.98	4.03	-34.01	-25.64	-4.34	-15.76
		997	1.156e+04	31.88	-2313.86	-2313.03	31.05	-44.18	7.55	-25.22	-19.78	2.11	-12.19
804	3	979	1.102e+04	32.46	-2207.60	-2206.82	31.67	-41.88	6.57	-22.85	-18.99	2.70	-9.94
		980	1.132e+04	31.20	-2208.17	-2207.42	30.45	-41.03	3.46	-29.24	-23.83	-1.96	-12.15
		998	1.080e+04	31.23	-2115.69	-2114.91	30.45	-41.03	0.67	-32.16	-23.98	-7.51	-14.20
		997	1.047e+04	32.49	-2115.12	-2114.31	31.67	-41.88	3.50	-25.49	-19.14	-2.86	-11.99
804	4	979	1.097e+04	31.60	-2196.99	-2196.32	30.93	-38.49	6.66	-22.79	-18.93	2.79	-9.94
		980	1.127e+04	28.74	-2198.29	-2197.69	28.14	-36.53	3.57	-29.12	-23.72	-1.82	-12.13
		998	1.074e+04	28.77	-2102.98	-2102.35	28.14	-36.53	0.80	-32.01	-23.88	-7.32	-14.16
		997	1.042e+04	31.63	-2101.68	-2100.98	30.93	-38.49	3.60	-25.40	-19.09	-2.71	-11.97
804	5	979	1.082e+04	30.72	-2153.91	-2153.22	30.03	-38.96	6.78	-23.19	-19.09	2.68	-10.30
		980	1.103e+04	27.49	-2155.38	-2154.76	26.87	-36.75	4.32	-27.83	-22.66	-0.85	-11.80
		998	1.061e+04	27.52	-2072.74	-2072.10	26.87	-36.75	2.92	-29.69	-22.55	-4.22	-13.49
		997	1.038e+04	30.75	-2071.28	-2070.56	30.03	-38.96	5.24	-24.91	-18.98	-0.69	-11.99
804	6	979	1.076e+04	30.21	-2143.60	-2142.97	29.57	-37.16	6.50	-23.23	-19.08	2.34	-10.31
		980	1.097e+04	25.81	-2145.61	-2145.08	25.27	-34.14	4.07	-27.80	-22.62	-1.12	-11.76
		998	1.054e+04	25.83	-2061.92	-2061.37	25.27	-34.14	2.77	-29.60	-22.46	-4.37	-13.42
		997	1.032e+04	30.23	-2059.92	-2059.26	29.57	-37.16	5.07	-24.89	-18.92	-0.91	-11.97
804	7	979	1.074e+04	30.50	-2141.64	-2140.98	29.85	-37.69	6.06	-23.39	-19.15	1.81	-10.34
		980	1.094e+04	26.24	-2143.58	-2143.02	25.68	-34.78	3.70	-27.81	-22.60	-1.51	-11.71
		998	1.048e+04	26.27	-2051.11	-2050.52	25.68	-34.78	2.58	-29.48	-22.36	-4.53	-13.32
		997	1.026e+04	30.53	-2049.17	-2048.48	29.85	-37.69	4.82	-24.94	-18.91	-1.20	-11.96
804	8	979	8495.03	25.05	-1701.06	-1700.45	24.44	-32.40	5.29	-17.44	-14.52	2.37	-7.60
		980	8736.34	24.21	-1701.43	-1700.85	23.63	-31.83	2.81	-22.55	-18.40	-1.34	-9.38
		998	8332.00	24.24	-1630.54	-1629.92	23.63	-31.83	0.47	-24.92	-18.56	-5.89	-11.00
		997	8065.91	25.08	-1630.16	-1629.52	24.44	-32.40	2.71	-19.56	-14.68	-2.18	-9.22
804	9	979	7656.34	21.71	-1527.09	-1526.62	21.23	-27.20	4.33	-16.66	-13.65	1.32	-7.36
		980	7800.80	18.99	-1528.33	-1527.92	18.58	-25.34	2.64	-19.82	-16.10	-1.08	-8.35
		998	7492.26	19.01	-1467.14	-1466.70	18.58	-25.34	1.83	-21.06	-15.97	-3.26	-9.52
		997	7338.46	21.73	-1465.90	-1465.40	21.23	-27.20	3.43	-17.81	-13.52	-0.86	-8.53
804	10	979	7791.52	22.84	-1560.76	-1560.22	22.30	-29.28	4.38	-16.42	-13.58	1.54	-7.14
		980	7987.69	21.61	-1561.32	-1560.81	21.09	-28.44	2.31	-20.61	-16.76	-1.53	-8.56
		998	7630.54	21.63	-1495.36	-1494.82	21.09	-28.44	0.65	-22.48	-16.81	-5.01	-9.95
		997	7416.74	22.86	-1494.80	-1494.24	22.30	-29.28	2.55	-18.12	-13.63	-1.94	-8.53
804	11	979	7647.53	21.59	-1525.21	-1524.75	21.13	-26.65	4.35	-16.64	-13.64	1.34	-7.35
		980	7792.42	18.61	-1526.57	-1526.17	18.22	-24.61	2.65	-19.81	-16.09	-1.06	-8.35
		998	7483.58	18.62	-1465.49	-1465.08	18.22	-24.61	1.82	-21.05	-15.96	-3.27	-9.51
		997	7329.26	21.61	-1464.13	-1463.65	21.13	-26.65	3.43	-17.79	-13.51	-0.86	-8.52
805	1	978	1.026e+04	45.94	-2043.30	-2042.36	45.01	-44.13	12.67	-16.34	-13.81	10.13	-8.19
		979	1.087e+04	13.53	-2058.13	-2057.90	13.30	-21.94	8.07	-28.93	-23.26	2.40	-13.32
		997	1.004e+04	13.55	-1930.00	-1929.76	13.30	-21.94	-0.01	-34.42	-24.52	-9.91	-15.58
		996	9315.17	46.00	-1915.21	-1914.22	45.01	-44.13	3.65	-20.90	-15.06	-2.18	-10.45
805	2	978	1.136e+04	48.02	-2216.93	-2216.28	47.36	-38.45	20.90	-14.18	-12.82	19.54	-6.76
		979	1.207e+04	23.30	-2228.37	-2228.17	23.09	-21.46	14.13	-29.95	-24.87	9.05	-14.08
		997	1.134e+04	23.30	-2166.31	-2166.10	23.09	-21.46	0.75	-37.84	-27.71	-9.37	-16.98
		996	1.044e+04	48.03	-2154.87	-2154.20	47.36	-38.45	5.53	-20.07	-15.67	1.12	-9.66
805	3	978	1.050e+04	48.13	-2104.13	-2103.23	47.23	-44.09	12.93	-15.88	-13.64	10.68	-7.72
		979	1.120e+04	18.09	-2117.89	-2117.63	17.83	-23.51	7.47	-30.27	-24.45	1.65	-13.63
		997	1.029e+04	18.11	-1977.65	-1977.37	17.83	-23.51	-1.86	-37.08	-26.01	-12.93	-16.35
		996	9443.44	48.20	-1963.93	-1962.97	47.23	-44.09	2.32	-21.42	-15.20	-3.89	-10.43
805	4	978	1.045e+04	47.24	-2091.26	-2090.41	46.38	-42.83	12.95	-15.84	-13.59	10.70	-7.73

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		979	1.114e+04	15.34	-2105.92	-2105.72	15.13	-20.96	7.57	-30.13	-24.33	1.76	-13.60
		997	1.021e+04	15.36	-1962.85	-1962.62	15.13	-20.96	-1.75	-36.85	-25.89	-12.72	-16.27
		996	9377.77	47.30	-1948.23	-1947.31	46.38	-42.83	2.38	-21.31	-15.16	-3.78	-10.39
805	5	978	1.030e+04	46.20	-2050.60	-2049.68	45.28	-43.91	12.96	-16.28	-13.80	10.48	-8.15
		979	1.085e+04	14.49	-2065.13	-2064.89	14.25	-22.19	8.33	-28.90	-23.28	2.72	-13.33
		997	1.008e+04	14.50	-1936.74	-1936.49	14.25	-22.19	0.10	-34.41	-24.59	-9.72	-15.57
		996	9355.56	46.26	-1922.26	-1921.28	45.28	-43.91	3.77	-20.83	-15.11	-1.96	-10.40
805	6	978	1.024e+04	45.65	-2039.19	-2038.26	44.72	-43.92	12.68	-16.31	-13.78	10.15	-8.17
		979	1.085e+04	12.58	-2054.34	-2054.12	12.36	-21.27	8.08	-28.90	-23.25	2.42	-13.31
		997	1.002e+04	12.59	-1926.10	-1925.86	12.36	-21.27	-0.03	-34.39	-24.51	-9.91	-15.55
		996	9294.78	45.71	-1910.99	-1910.01	44.72	-43.92	3.63	-20.86	-15.04	-2.18	-10.42
805	7	978	1.021e+04	45.97	-2037.32	-2036.40	45.05	-43.89	12.17	-16.49	-13.87	9.55	-8.25
		979	1.082e+04	13.24	-2052.32	-2052.10	13.01	-21.47	7.66	-28.93	-23.23	1.96	-13.28
		997	9954.25	13.25	-1914.41	-1914.17	13.01	-21.47	-0.17	-34.31	-24.40	-10.08	-15.49
		996	9238.27	46.04	-1899.47	-1898.48	45.05	-43.89	3.44	-20.97	-15.05	-2.49	-10.47
805	8	978	8098.81	37.12	-1621.42	-1620.73	36.42	-33.97	10.20	-12.09	-10.41	8.52	-5.88
		979	8644.02	14.09	-1631.97	-1631.77	13.89	-18.19	5.90	-23.35	-18.88	1.43	-10.52
		997	7933.69	14.10	-1524.34	-1524.13	13.89	-18.19	-1.48	-28.71	-20.12	-10.07	-12.65
		996	7272.27	37.17	-1513.83	-1513.09	36.42	-33.97	1.79	-16.42	-11.65	-2.98	-8.01
805	9	978	7285.14	32.74	-1453.44	-1452.78	32.08	-31.27	8.72	-11.72	-9.89	6.89	-5.84
		979	7718.16	9.81	-1463.94	-1463.77	9.65	-15.57	5.49	-20.60	-16.55	1.44	-9.45
		997	7123.52	9.82	-1370.93	-1370.75	9.65	-15.57	-0.13	-24.48	-17.42	-7.18	-11.05
		996	6614.79	32.78	-1360.46	-1359.76	32.08	-31.27	2.45	-14.95	-10.76	-1.74	-7.44
805	10	978	7421.94	33.95	-1487.24	-1486.60	33.31	-31.25	8.86	-11.46	-9.79	7.19	-5.58
		979	7901.83	12.35	-1497.14	-1496.96	12.17	-16.45	5.16	-21.34	-17.21	1.02	-9.62
		997	7261.60	12.36	-1397.40	-1397.20	12.17	-16.45	-1.16	-25.95	-18.25	-8.86	-11.47
		996	6686.09	34.00	-1387.53	-1386.84	33.31	-31.25	1.71	-15.24	-10.84	-2.69	-7.43
805	11	978	7274.72	32.57	-1451.16	-1450.51	31.92	-31.15	8.72	-11.70	-9.88	6.89	-5.83
		979	7707.81	9.28	-1461.83	-1461.67	9.13	-15.20	5.49	-20.58	-16.54	1.45	-9.44
		997	7112.45	9.29	-1368.76	-1368.59	9.13	-15.20	-0.14	-24.46	-17.41	-7.19	-11.03
		996	6603.46	32.61	-1358.12	-1357.42	31.92	-31.15	2.44	-14.93	-10.75	-1.74	-7.42
806	1	977	8846.75	72.98	-1739.97	-1738.57	71.58	-50.38	19.74	-6.92	-6.04	18.86	-4.76
		978	9845.34	3.40	-1771.99	-1771.98	3.39	-2.65	12.03	-28.37	-22.38	6.04	-14.36
		996	8724.84	3.40	-1621.25	-1621.24	3.39	-2.65	-3.91	-39.37	-25.60	-17.68	-17.28
		995	7335.68	73.11	-1589.36	-1587.83	71.58	-50.38	0.94	-15.06	-9.27	-4.85	-7.69
806	2	977	9934.40	77.92	-1899.89	-1899.36	77.40	-32.18	27.85	-5.42	-5.16	27.59	-2.92
		978	1.094e+04	13.01	-1931.04	-1930.96	12.93	12.95	17.73	-28.77	-23.76	12.73	-14.42
		996	9787.56	13.02	-1828.77	-1828.68	12.93	12.95	-3.79	-40.93	-28.34	-16.38	-17.58
		995	8299.14	77.95	-1797.64	-1797.09	77.40	-32.18	1.72	-12.97	-9.74	-1.51	-6.08
806	3	977	9077.61	75.43	-1794.25	-1793.12	74.30	-45.93	20.33	-6.46	-5.78	19.65	-4.21
		978	1.014e+04	8.04	-1825.59	-1825.59	8.04	0.46	11.54	-29.55	-23.47	5.47	-14.59
		996	8964.86	8.04	-1663.62	-1663.62	8.04	0.46	-5.36	-42.02	-27.00	-20.38	-18.03
		995	7446.29	75.53	-1632.39	-1631.16	74.30	-45.93	0.05	-15.56	-9.31	-6.19	-7.65
806	4	977	9015.19	74.79	-1780.76	-1779.53	73.57	-47.60	20.20	-6.48	-5.78	19.50	-4.25
		978	1.007e+04	4.84	-1813.21	-1813.21	4.84	0.51	11.55	-29.41	-23.34	5.49	-14.55
		996	8880.40	4.84	-1645.83	-1645.83	4.84	0.51	-5.26	-41.70	-26.83	-20.13	-17.91
		995	7371.12	74.91	-1613.50	-1612.16	73.57	-47.60	0.08	-15.47	-9.27	-6.12	-7.61
806	5	977	8890.09	73.41	-1746.65	-1745.31	72.07	-49.32	19.99	-6.90	-6.05	19.14	-4.71
		978	9885.89	4.14	-1778.60	-1778.60	4.14	-1.77	12.26	-28.32	-22.39	6.33	-14.33
		996	8748.50	4.14	-1625.91	-1625.91	4.14	-1.77	-3.85	-39.26	-25.65	-17.46	-17.23
		995	7363.03	73.53	-1594.08	-1592.62	72.07	-49.32	0.97	-14.93	-9.30	-4.65	-7.60
806	6	977	8826.66	72.73	-1735.66	-1734.20	71.28	-51.32	19.71	-6.90	-6.03	18.84	-4.75
		978	9825.48	2.16	-1768.08	-1768.07	2.16	-2.93	12.01	-28.35	-22.36	6.03	-14.34
		996	8701.66	2.16	-1616.27	-1616.26	2.16	-2.93	-3.93	-39.33	-25.58	-17.67	-17.25
		995	7311.65	72.87	-1583.99	-1582.39	71.28	-51.32	0.91	-15.03	-9.25	-4.87	-7.66
806	7	977	8793.53	73.16	-1733.93	-1732.51	71.74	-50.61	19.17	-7.06	-6.12	18.23	-4.87
		978	9792.50	3.09	-1766.16	-1766.15	3.09	-2.56	11.60	-28.40	-22.34	5.54	-14.35
		996	8644.50	3.10	-1604.94	-1604.94	3.09	-2.56	-3.99	-39.32	-25.47	-17.84	-17.25
		995	7260.03	73.30	-1572.86	-1571.30	71.74	-50.61	0.84	-15.23	-9.25	-5.15	-7.77
806	8	977	7002.48	58.11	-1382.67	-1381.81	57.25	-35.21	15.91	-4.86	-4.36	15.41	-3.18
		978	7825.37	6.35	-1406.75	-1406.75	6.35	0.41	9.03	-22.79	-18.13	4.37	-11.25
		996	6917.34	6.35	-1282.68	-1282.68	6.35	0.41	-4.18	-32.51	-20.88	-15.81	-13.94
		995	5734.98	58.19	-1258.68	-1257.74	57.25	-35.21	0.04	-11.92	-7.12	-4.76	-5.86
806	9	977	6280.64	51.98	-1237.79	-1236.81	51.00	-35.53	13.75	-5.01	-4.37	13.11	-3.41
		978	6988.64	2.62	-1260.52	-1260.52	2.62	-1.66	8.31	-20.20	-15.92	4.03	-10.18
		996	6191.08	2.62	-1151.19	-1151.19	2.62	-1.66	-2.86	-28.00	-18.18	-12.67	-12.27
		995	5208.27	52.07	-1128.55	-1127.48	51.00	-35.53	0.58	-10.81	-6.63	-3.59	-5.49
806	10	977	6408.66	53.34	-1267.95	-1267.12	52.51	-33.06	14.08	-4.75	-4.22	13.55	-3.10
		978	7151.97	5.20	-1290.30	-1290.30	5.20	0.06	8.04	-20.85	-16.52	3.71	-10.31
		996	6324.37	5.20	-1174.74	-1174.74	5.20	0.06	-3.67	-29.47	-18.96	-14.18	-12.68
		995	5269.70	53.42	-1152.46	-1151.55	52.51	-33.06	0.09	-11.09	-6.66	-4.34	-5.46
806	11	977	6269.48	51.84	-1235.40	-1234.38	50.83	-36.05	13.74	-5.00	-4.36	13.10	-3.40

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		978	6977.61	1.93	-1258.35	-1258.35	1.93	-1.82	8.30	-20.18	-15.91	4.03	-10.17
		996	6178.21	1.93	-1148.43	-1148.43	1.93	-1.82	-2.87	-27.97	-18.17	-12.67	-12.25
		995	5194.92	51.93	-1125.57	-1124.46	50.83	-36.05	0.57	-10.79	-6.62	-3.60	-5.47
807	1	976	6392.46	40.24	-1246.65	-1245.82	39.41	-32.78	24.11	2.07	2.15	24.03	-1.26
		977	7675.80	-16.94	-1273.48	-1273.44	-16.97	6.69	14.47	-25.29	-18.99	8.17	-14.52
		995	6595.69	-16.93	-1118.75	-1118.71	-16.97	6.69	-7.22	-41.39	-24.25	-24.36	-17.08
		994	4648.33	40.36	-1092.03	-1091.08	39.41	-32.78	-1.12	-10.49	-3.11	-8.50	-3.83
807	2	976	7343.08	44.53	-1375.40	-1375.40	44.53	-0.76	30.89	2.62	2.64	30.87	0.70
		977	8505.83	-7.23	-1402.16	-1401.22	-8.16	36.13	19.04	-24.82	-19.88	14.10	-13.86
		995	7240.70	-7.14	-1281.98	-1280.95	-8.16	36.13	-7.79	-40.42	-26.14	-22.08	-16.19
		994	5217.45	44.53	-1255.13	-1255.13	44.53	-0.76	-2.63	-6.30	-3.62	-5.31	-1.63
807	3	976	6586.41	41.02	-1288.32	-1287.89	40.59	-23.70	25.00	2.44	2.46	24.98	-0.67
		977	7892.22	-13.56	-1314.67	-1314.51	-13.72	14.32	14.15	-26.16	-19.86	7.86	-14.63
		995	6794.05	-13.54	-1151.57	-1151.39	-13.72	14.32	-8.22	-43.64	-25.40	-26.46	-17.70
		994	4842.80	41.08	-1125.26	-1124.77	40.59	-23.70	-1.33	-11.08	-3.07	-9.33	-3.74
807	4	976	6523.21	41.25	-1276.37	-1275.75	40.64	-28.45	24.71	2.41	2.44	24.68	-0.76
		977	7834.93	-16.13	-1303.72	-1303.62	-16.23	11.36	14.07	-26.06	-19.75	7.76	-14.61
		995	6713.14	-16.11	-1131.65	-1131.53	-16.23	11.36	-8.13	-43.32	-25.20	-26.25	-17.59
		994	4762.97	41.34	-1104.37	-1103.67	40.64	-28.45	-1.27	-11.06	-3.01	-9.32	-3.74
807	5	976	6427.43	40.75	-1252.06	-1251.32	40.01	-30.90	24.28	2.07	2.13	24.21	-1.21
		977	7704.30	-16.08	-1278.88	-1278.83	-16.14	8.40	14.63	-25.22	-18.99	8.40	-14.47
		995	6596.94	-16.07	-1121.18	-1121.12	-16.14	8.40	-7.23	-41.20	-24.27	-24.17	-16.99
		994	4647.79	40.85	-1094.45	-1093.61	40.01	-30.90	-1.20	-10.30	-3.14	-8.36	-3.72
807	6	976	6373.49	40.26	-1242.86	-1241.91	39.31	-34.91	24.06	2.09	2.16	23.98	-1.26
		977	7660.11	-17.99	-1270.02	-1270.00	-18.01	5.22	14.44	-25.27	-18.98	8.14	-14.50
		995	6576.42	-17.99	-1113.19	-1113.16	-18.01	5.22	-7.24	-41.36	-24.22	-24.38	-17.06
		994	4627.84	40.40	-1086.16	-1085.07	39.31	-34.91	-1.12	-10.50	-3.08	-8.54	-3.81
807	7	976	6339.60	40.68	-1241.40	-1240.51	39.80	-33.62	23.56	2.00	2.09	23.47	-1.39
		977	7631.81	-16.91	-1268.35	-1268.32	-16.94	6.10	14.09	-25.37	-18.97	7.69	-14.55
		995	6536.88	-16.91	-1103.66	-1103.63	-16.94	6.10	-7.23	-41.48	-24.13	-24.57	-17.12
		994	4612.33	40.81	-1076.84	-1075.82	39.80	-33.62	-1.04	-10.82	-3.07	-8.79	-3.97
807	8	976	5084.34	31.56	-992.76	-992.45	31.25	-17.93	19.47	1.95	1.96	19.46	-0.47
		977	6090.89	-10.34	-1013.01	-1012.89	-10.47	11.27	11.02	-20.17	-15.34	6.19	-11.28
		995	5243.78	-10.32	-888.36	-888.22	-10.47	11.27	-6.37	-33.71	-19.63	-20.45	-13.66
		994	3737.56	31.61	-868.13	-867.78	31.25	-17.93	-1.02	-8.49	-2.33	-7.17	-2.85
807	9	976	4535.82	28.67	-887.06	-886.49	28.10	-22.86	16.91	1.42	1.48	16.86	-0.91
		977	5447.58	-11.83	-906.10	-906.07	-11.86	5.12	10.09	-18.00	-13.51	5.59	-10.30
		995	4680.25	-11.83	-793.92	-793.89	-11.86	5.12	-5.17	-29.45	-17.22	-17.40	-12.14
		994	3303.70	28.75	-774.96	-774.31	28.10	-22.86	-0.81	-7.56	-2.24	-6.14	-2.75
807	10	976	4643.28	29.10	-910.20	-909.86	28.76	-17.81	17.41	1.63	1.65	17.39	-0.58
		977	5567.82	-9.96	-928.98	-928.88	-10.05	9.36	9.91	-18.49	-13.99	5.42	-10.36
		995	4790.46	-9.94	-812.15	-812.05	-10.05	9.36	-5.73	-30.70	-17.86	-18.57	-12.48
		994	3411.81	29.15	-793.41	-793.03	28.76	-17.81	-0.93	-7.89	-2.22	-6.60	-2.70
807	11	976	4525.27	28.68	-884.95	-884.32	28.05	-24.04	16.89	1.43	1.48	16.83	-0.90
		977	5438.87	-12.42	-904.18	-904.16	-12.44	4.30	10.07	-17.99	-13.50	5.58	-10.29
		995	4669.56	-12.41	-790.83	-790.81	-12.44	4.30	-5.18	-29.44	-17.21	-17.42	-12.13
		994	3292.30	28.77	-771.69	-770.97	28.05	-24.04	-0.81	-7.57	-2.22	-6.16	-2.74
808	1	171	2646.98	32.45	-471.61	-468.76	29.60	37.78	16.78	6.00	6.01	16.77	0.22
		976	3485.96	-21.59	-515.71	-501.04	-36.27	83.89	11.46	-17.19	-10.47	4.75	-12.13
		994	3370.97	-20.34	-477.94	-462.01	-36.27	83.89	-6.18	-31.41	-16.79	-20.80	-12.45
		172	2340.66	32.68	-432.82	-429.74	29.60	37.78	-0.31	-8.78	-0.31	-8.78	-0.09
808	2	171	3420.30	64.44	-561.84	-552.43	55.04	76.18	20.14	5.18	5.38	19.93	1.73
		976	3906.70	4.76	-620.47	-591.34	-24.37	131.77	13.58	-15.27	-10.54	8.86	-10.67
		994	3486.78	6.02	-595.72	-565.33	-24.37	131.77	-6.59	-26.97	-17.18	-16.38	-10.18
		172	2438.81	64.85	-536.24	-526.42	55.04	76.18	-0.27	-6.29	-1.25	-5.31	2.22
808	3	171	2805.58	36.81	-497.59	-493.41	32.63	47.04	17.65	6.27	6.32	17.60	0.73
		976	3591.05	-19.34	-545.98	-527.79	-37.53	96.16	11.23	-17.62	-11.04	4.65	-12.11
		994	3476.87	-17.18	-491.90	-471.55	-37.53	96.16	-6.70	-32.70	-17.48	-21.92	-12.81
		172	2413.17	37.30	-441.83	-437.17	32.63	47.04	-0.12	-8.96	-0.12	-8.96	0.03
808	4	171	2744.29	34.09	-487.40	-483.97	30.66	42.17	17.47	6.30	6.34	17.43	0.67
		976	3558.92	-21.09	-533.52	-517.28	-37.33	89.76	11.17	-17.62	-10.97	4.52	-12.13
		994	3441.64	-19.20	-481.74	-463.61	-37.33	89.76	-6.65	-32.72	-17.39	-21.98	-12.83
		172	2390.45	34.49	-434.12	-430.30	30.66	42.17	-0.08	-9.07	-0.08	-9.07	-0.03
808	5	171	2675.76	33.77	-475.59	-472.38	30.55	40.33	16.88	5.98	5.99	16.87	0.29
		976	3497.45	-19.71	-519.88	-504.53	-35.06	86.26	11.52	-17.10	-10.47	4.89	-12.07
		994	3364.95	-18.41	-482.16	-465.51	-35.06	86.26	-6.23	-31.23	-16.80	-20.66	-12.35
		172	2346.75	34.03	-436.85	-433.37	30.55	40.33	-0.34	-8.68	-0.34	-8.68	0.01
808	6	171	2629.86	31.39	-468.38	-465.84	28.85	35.53	16.76	6.03	6.04	16.76	0.24
		976	3479.60	-22.56	-511.73	-497.84	-36.45	81.24	11.43	-17.20	-10.47	4.71	-12.13
		994	3373.14	-21.37	-474.27	-459.19	-36.45	81.24	-6.22	-31.47	-16.79	-20.89	-12.46
		172	2333.87	31.60	-429.95	-427.20	28.85	35.53	-0.28	-8.84	-0.28	-8.84	-0.09
808	7	171	2601.32	30.52	-468.03	-465.26	27.76	37.05	16.54	6.08	6.08	16.54	0.14

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		976	3468.29	-22.21	-510.82	-496.68	-36.35	81.93	11.26	-17.39	-10.51	4.39	-12.24
		994	3371.20	-20.82	-468.39	-452.85	-36.35	81.93	-6.19	-31.85	-16.80	-21.24	-12.63
		172	2339.53	30.79	-424.48	-421.44	27.76	37.05	-0.20	-9.10	-0.20	-9.09	-0.25
808	8	171	2169.24	28.49	-383.58	-380.32	25.23	36.49	13.68	4.84	4.88	13.64	0.58
		976	2770.65	-14.88	-421.06	-406.91	-29.03	74.48	8.71	-13.56	-8.51	3.66	-9.32
		994	2676.34	-13.19	-379.29	-363.46	-29.03	74.48	-5.17	-25.16	-13.48	-16.85	-9.85
		172	1857.16	28.88	-340.51	-336.87	25.23	36.49	-0.09	-6.88	-0.09	-6.88	0.05
808	9	171	1879.39	23.12	-336.20	-334.12	21.03	27.29	11.87	4.28	4.28	11.86	0.18
		976	2475.54	-15.18	-367.55	-357.02	-25.71	60.01	8.03	-12.26	-7.47	3.25	-8.62
		994	2398.50	-14.22	-339.15	-327.66	-25.71	60.01	-4.42	-22.44	-11.95	-14.91	-8.89
		172	1668.16	23.30	-307.03	-304.76	21.03	27.29	-0.20	-6.30	-0.20	-6.30	-0.10
808	10	171	1967.38	25.54	-350.63	-347.81	22.72	32.43	12.35	4.43	4.45	12.32	0.46
		976	2533.74	-13.94	-384.36	-371.88	-26.41	66.82	7.91	-12.50	-7.79	3.19	-8.60
		994	2458.65	-12.48	-346.89	-332.96	-26.41	66.82	-4.70	-23.16	-12.33	-15.53	-9.09
		172	1708.51	25.86	-312.03	-308.89	22.72	32.43	-0.10	-6.40	-0.10	-6.40	-0.03
808	11	171	1869.85	22.53	-334.40	-332.49	20.62	26.04	11.86	4.29	4.30	11.86	0.19
		976	2471.98	-15.72	-365.34	-355.24	-25.81	58.54	8.02	-12.26	-7.47	3.22	-8.61
		994	2399.76	-14.80	-337.10	-326.10	-25.81	58.54	-4.44	-22.48	-11.95	-14.96	-8.89
		172	1664.35	22.70	-305.43	-303.35	20.62	26.04	-0.18	-6.33	-0.18	-6.33	-0.09
809	1	948	3350.93	16.43	-472.27	-454.02	-1.82	92.65	-5.97	-30.50	-16.49	-19.99	-12.14
		14	2378.57	52.20	-438.66	-431.20	44.74	60.06	-0.37	-8.39	-0.37	-8.39	0.01
		18	2748.92	51.55	-485.25	-478.45	44.74	60.06	16.61	5.86	5.86	16.61	0.13
		966	3523.82	14.81	-517.90	-501.26	-1.82	92.65	11.62	-16.85	-10.25	5.02	-12.02
809	2	948	3452.28	43.79	-581.51	-542.56	4.84	151.13	-6.97	-28.42	-17.83	-17.56	-10.72
		14	2497.81	90.48	-527.32	-509.38	72.54	103.73	-6.31e-03	-6.42	-0.86	-5.56	2.18
		18	3685.07	88.34	-608.87	-593.08	72.54	103.73	20.69	5.48	5.77	20.41	2.05
		966	4127.23	39.16	-660.58	-626.26	4.84	151.13	13.23	-16.02	-11.20	8.40	-10.85
809	3	948	3425.77	15.01	-451.76	-431.29	-5.46	95.57	-5.99	-31.55	-16.80	-20.73	-12.63
		14	2320.59	51.17	-415.93	-407.62	42.86	61.74	-0.13	-8.43	-0.14	-8.42	-0.29
		18	2780.40	49.93	-496.94	-489.88	42.86	61.74	16.68	6.00	6.00	16.68	0.27
		966	3558.05	11.92	-530.93	-513.55	-5.46	95.57	11.06	-17.37	-10.66	4.36	-12.07
809	4	948	3533.24	8.40	-484.12	-464.18	-11.53	97.06	-6.60	-32.59	-17.34	-21.85	-12.80
		14	2463.97	52.06	-443.02	-436.31	45.35	57.25	-0.08	-8.96	-0.08	-8.96	-4.44e-03
		18	2826.60	51.45	-491.95	-485.85	45.35	57.25	17.56	6.32	6.36	17.52	0.68
		966	3579.61	6.58	-531.83	-513.72	-11.53	97.06	11.26	-17.53	-10.90	4.63	-12.12
809	5	948	3379.02	9.79	-490.51	-470.79	-9.93	97.35	-6.14	-30.66	-16.73	-20.07	-12.15
		14	2404.70	53.14	-449.96	-443.20	46.38	57.94	-0.39	-8.20	-0.39	-8.20	0.18
		18	2807.64	52.68	-486.76	-480.46	46.38	57.94	17.19	5.93	5.95	17.17	0.39
		966	3540.32	8.42	-526.40	-508.05	-9.93	97.35	11.74	-16.82	-10.38	5.31	-11.93
809	6	948	3374.17	6.69	-485.96	-468.11	-11.16	92.06	-6.11	-30.90	-16.70	-20.32	-12.26
		14	2407.01	50.21	-446.60	-440.86	44.47	53.12	-0.36	-8.42	-0.36	-8.42	0.05
		18	2747.94	49.88	-477.07	-471.66	44.47	53.12	17.02	5.97	5.98	17.01	0.30
		966	3509.78	5.64	-515.72	-498.92	-11.16	92.06	11.67	-16.91	-10.35	5.11	-12.02
809	7	948	3417.90	5.27	-470.60	-453.30	-12.03	89.08	-6.06	-31.61	-16.68	-20.99	-12.59
		14	2404.40	47.10	-432.70	-427.08	41.48	51.62	-0.20	-8.92	-0.21	-8.91	-0.27
		18	2667.93	46.68	-471.14	-465.94	41.48	51.62	16.57	6.07	6.07	16.57	0.12
		966	3476.05	3.96	-508.16	-492.16	-12.03	89.08	11.35	-17.25	-10.40	4.49	-12.21
809	8	948	2625.51	12.08	-345.37	-329.59	-3.70	73.43	-4.58	-24.19	-12.91	-15.85	-9.69
		14	1773.31	39.35	-318.21	-311.69	32.83	47.86	-0.10	-6.42	-0.11	-6.41	-0.21
		18	2143.57	38.34	-382.86	-377.35	32.83	47.86	12.87	4.60	4.61	12.86	0.20
		966	2742.46	9.62	-408.56	-395.24	-3.70	73.43	8.57	-13.34	-8.20	3.42	-9.29
809	9	948	2401.72	10.25	-335.80	-322.75	-2.80	65.92	-4.28	-21.91	-11.76	-14.43	-8.71
		14	1698.63	36.67	-311.03	-305.92	31.55	41.87	-0.23	-6.06	-0.23	-6.06	-0.05
		18	1944.95	36.22	-344.18	-339.51	31.55	41.87	11.77	4.20	4.20	11.76	0.12
		966	2497.02	9.09	-368.23	-356.34	-2.80	65.92	8.13	-12.06	-7.33	3.40	-8.55
809	10	948	2443.10	9.45	-324.40	-310.13	-4.82	67.53	-4.29	-22.50	-11.94	-14.85	-8.99
		14	1666.35	36.08	-298.39	-292.82	30.51	42.80	-0.09	-6.08	-0.10	-6.08	-0.21
		18	1962.41	35.32	-350.67	-345.86	30.51	42.80	11.81	4.27	4.28	11.80	0.20
		966	2516.20	7.49	-375.48	-363.17	-4.82	67.53	7.82	-12.34	-7.56	3.04	-8.58
809	11	948	2414.58	4.84	-343.41	-330.58	-7.99	65.58	-4.36	-22.14	-11.88	-14.61	-8.79
		14	1714.26	35.57	-315.45	-311.28	31.40	38.01	-0.23	-6.08	-0.23	-6.08	-0.03
		18	1944.38	35.30	-339.64	-335.74	31.40	38.01	11.99	4.26	4.27	11.99	0.21
		966	2489.31	3.99	-367.02	-355.04	-7.99	65.58	8.16	-12.09	-7.39	3.45	-8.55
810	1	947	6551.46	-8.06	-1114.77	-1114.70	-8.13	8.93	-6.84	-40.42	-23.94	-23.32	-16.79
		948	4607.15	57.30	-1084.34	-1083.20	56.16	-36.07	-1.10	-10.04	-3.25	-7.89	-3.82
		966	6499.37	57.15	-1259.14	-1258.15	56.16	-36.07	23.85	1.77	1.86	23.77	-1.39
		965	7737.84	-8.07	-1289.71	-1289.65	-8.13	8.93	14.52	-25.01	-18.83	8.34	-14.36
810	2	947	7366.67	3.75	-1294.62	-1292.69	1.82	50.01	-8.66	-42.45	-27.38	-23.73	-16.80
		948	5265.61	66.98	-1260.78	-1260.76	66.97	4.40	-2.80	-6.97	-3.78	-5.99	-1.76
		966	7777.51	66.98	-1467.79	-1467.78	66.97	4.40	30.89	2.38	2.41	30.86	0.96
		965	8960.34	3.48	-1501.36	-1499.70	1.82	50.01	18.15	-26.23	-21.19	13.12	-14.07
810	3	947	6620.94	-8.64	-1114.46	-1114.30	-8.80	13.16	-7.59	-42.46	-24.77	-25.29	-17.43

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		948	4676.46	58.92	-1082.59	-1081.60	57.93	-33.55	-1.10	-10.87	-3.16	-8.81	-3.99
		966	6576.00	58.77	-1280.97	-1280.13	57.93	-33.55	23.98	2.01	2.06	23.93	-1.06
		965	7843.46	-8.66	-1312.96	-1312.83	-8.80	13.16	13.77	-25.87	-19.55	7.45	-14.51
810	4	947	6700.33	-7.51	-1131.58	-1131.44	-7.65	12.25	-7.94	-42.94	-25.04	-25.84	-17.49
		948	4768.05	53.88	-1102.48	-1101.68	53.08	-30.27	-1.23	-10.95	-3.08	-9.11	-3.81
		966	6588.31	53.77	-1284.83	-1284.14	53.08	-30.27	24.44	2.25	2.28	24.41	-0.86
		965	7876.92	-7.53	-1314.02	-1313.90	-7.65	12.25	13.97	-25.97	-19.68	7.68	-14.55
810	5	947	6612.93	-7.10	-1129.04	-1128.90	-7.23	12.49	-7.05	-40.69	-24.22	-23.52	-16.82
		948	4661.37	53.25	-1100.37	-1099.63	52.50	-29.33	-1.24	-9.85	-3.24	-7.84	-3.64
		966	6563.72	53.15	-1271.18	-1270.53	52.50	-29.33	24.46	1.93	1.99	24.40	-1.17
		965	7805.87	-7.11	-1299.92	-1299.80	-7.23	12.49	14.81	-25.08	-18.99	8.73	-14.35
810	6	947	6586.40	-8.74	-1121.84	-1121.77	-8.81	8.61	-6.98	-40.68	-24.07	-23.59	-16.85
		948	4643.75	52.35	-1093.27	-1092.29	51.37	-33.51	-1.14	-10.06	-3.19	-8.00	-3.76
		966	6487.21	52.22	-1258.02	-1257.16	51.37	-33.51	24.12	1.91	1.99	24.05	-1.29
		965	7738.36	-8.75	-1286.71	-1286.65	-8.81	8.61	14.63	-25.06	-18.88	8.46	-14.38
810	7	947	6510.27	-8.74	-1101.66	-1101.61	-8.79	7.40	-6.96	-40.95	-23.89	-24.03	-16.99
		948	4604.82	52.67	-1073.10	-1072.02	51.59	-34.87	-0.96	-10.68	-3.14	-8.50	-4.05
		966	6394.89	52.52	-1248.62	-1247.68	51.59	-34.87	23.21	1.79	1.90	23.10	-1.53
		965	7660.62	-8.75	-1277.31	-1277.27	-8.79	7.40	13.96	-25.23	-18.85	7.58	-14.47
810	8	947	5100.66	-6.80	-857.44	-857.31	-6.92	10.15	-5.85	-32.75	-19.12	-19.49	-13.45
		948	3597.80	45.80	-832.65	-831.86	45.02	-26.21	-0.83	-8.31	-2.40	-6.74	-3.04
		966	5072.36	45.69	-986.04	-985.37	45.02	-26.21	18.65	1.60	1.64	18.62	-0.78
		965	6048.34	-6.82	-1010.93	-1010.83	-6.92	10.15	10.72	-19.93	-15.08	5.87	-11.19
810	9	947	4649.02	-5.65	-790.81	-790.75	-5.71	6.57	-4.92	-28.84	-17.01	-16.75	-11.96
		948	3277.91	40.04	-769.48	-768.71	39.27	-24.92	-0.79	-7.30	-2.33	-5.76	-2.77
		966	4602.06	39.94	-894.95	-894.29	39.27	-24.92	16.70	1.22	1.28	16.63	-1.00
		965	5484.92	-5.66	-916.38	-916.33	-5.71	6.57	10.08	-17.83	-13.40	5.65	-10.20
810	10	947	4687.74	-5.98	-790.63	-790.53	-6.08	8.92	-5.34	-29.97	-17.47	-17.84	-12.32
		948	3316.55	40.94	-768.51	-767.82	40.26	-23.52	-0.78	-7.76	-2.27	-6.27	-2.86
		966	4644.60	40.84	-907.09	-906.50	40.26	-23.52	16.77	1.35	1.40	16.72	-0.82
		965	5543.71	-5.99	-929.29	-929.21	-6.08	8.92	9.66	-18.31	-13.80	5.16	-10.28
810	11	947	4668.46	-6.03	-794.73	-794.68	-6.09	6.39	-4.99	-28.98	-17.08	-16.90	-11.99
		948	3298.23	37.29	-774.44	-773.76	36.61	-23.49	-0.81	-7.31	-2.29	-5.83	-2.73
		966	4595.27	37.20	-894.34	-893.74	36.61	-23.49	16.85	1.30	1.36	16.79	-0.95
		965	5485.19	-6.04	-914.71	-914.66	-6.09	6.39	10.14	-17.85	-13.43	5.72	-10.21
811	1	946	8736.28	3.66	-1621.58	-1621.52	3.60	-10.13	-3.45	-38.49	-25.35	-16.59	-16.96
		947	7387.02	70.73	-1591.42	-1589.55	68.85	-55.81	1.18	-14.90	-9.46	-4.27	-7.61
		965	8929.93	70.56	-1756.88	-1755.18	68.85	-55.81	19.66	-7.25	-6.32	18.73	-4.91
		964	9916.21	3.65	-1787.21	-1787.15	3.60	-10.13	12.29	-28.10	-22.22	6.40	-14.25
811	2	946	1.016e+04	11.31	-1891.66	-1891.53	11.19	15.42	-5.59	-44.24	-30.52	-19.31	-18.49
		947	8529.02	80.79	-1858.26	-1857.70	80.23	-32.91	0.45	-13.81	-10.33	-3.03	-6.12
		965	1.053e+04	80.74	-2036.93	-2036.42	80.23	-32.91	28.19	-5.73	-5.54	28.01	-2.48
		964	1.163e+04	11.30	-2070.37	-2070.25	11.19	15.42	16.90	-30.91	-25.74	11.73	-14.85
811	3	946	8827.80	3.96	-1632.86	-1632.83	3.93	-6.59	-4.87	-40.95	-26.48	-19.34	-17.68
		947	7357.43	71.77	-1602.08	-1600.41	70.10	-52.90	0.28	-15.54	-9.43	-5.84	-7.70
		965	9036.66	71.60	-1789.50	-1788.00	70.10	-52.90	19.64	-6.90	-6.10	18.85	-4.52
		964	1.008e+04	3.96	-1820.44	-1820.42	3.93	-6.59	11.43	-29.24	-23.16	5.34	-14.50
811	4	946	8882.56	6.87	-1643.80	-1643.76	6.82	-8.71	-5.01	-41.10	-26.60	-19.51	-17.70
		947	7399.02	72.60	-1614.06	-1612.36	70.90	-53.57	0.18	-15.48	-9.40	-5.90	-7.63
		965	9054.31	72.44	-1791.94	-1790.40	70.90	-53.57	19.83	-6.79	-6.03	19.07	-4.43
		964	1.011e+04	6.87	-1821.84	-1821.80	6.82	-8.71	11.51	-29.27	-23.22	5.46	-14.49
811	5	946	8817.69	7.13	-1635.87	-1635.82	7.08	-8.79	-3.60	-38.84	-25.65	-16.79	-17.06
		947	7447.35	71.68	-1606.65	-1604.99	70.02	-52.84	1.13	-14.80	-9.48	-4.19	-7.51
		965	9017.25	71.53	-1771.97	-1770.46	70.02	-52.84	20.19	-7.09	-6.24	19.35	-4.73
		964	1.001e+04	7.12	-1801.34	-1801.30	7.08	-8.79	12.57	-28.24	-22.41	6.75	-14.27
811	6	946	8757.62	5.45	-1625.38	-1625.31	5.38	-10.76	-3.51	-38.60	-25.40	-16.71	-17.00
		947	7399.69	70.98	-1595.91	-1594.07	69.14	-55.39	1.16	-14.88	-9.42	-4.29	-7.60
		965	8925.05	70.82	-1755.06	-1753.38	69.14	-55.39	19.76	-7.17	-6.27	18.86	-4.86
		964	9916.44	5.44	-1784.69	-1784.62	5.38	-10.76	12.32	-28.13	-22.25	6.44	-14.26
811	7	946	8637.41	5.28	-1601.54	-1601.46	5.21	-11.13	-3.67	-38.63	-25.18	-17.12	-17.00
		947	7284.95	71.09	-1572.02	-1570.11	69.19	-55.92	0.99	-15.24	-9.38	-4.87	-7.80
		965	8826.79	70.91	-1743.83	-1742.10	69.19	-55.92	18.74	-7.41	-6.39	17.72	-5.06
		964	9819.85	5.28	-1773.52	-1773.46	5.21	-11.13	11.52	-28.23	-22.19	5.48	-14.27
811	8	946	6804.04	2.72	-1257.32	-1257.30	2.70	-4.93	-3.78	-31.66	-20.47	-14.97	-13.67
		947	5659.91	55.18	-1233.51	-1232.22	53.89	-40.76	0.22	-11.90	-7.20	-4.47	-5.90
		965	6966.19	55.05	-1377.92	-1376.76	53.89	-40.76	15.38	-5.20	-4.61	14.79	-3.43
		964	7777.37	2.72	-1401.86	-1401.84	2.70	-4.93	8.95	-22.54	-17.87	4.29	-11.19
811	9	946	6193.16	3.07	-1150.22	-1150.17	3.03	-7.12	-2.56	-27.40	-17.99	-11.96	-12.05
		947	5237.64	50.38	-1128.93	-1127.61	49.07	-39.35	0.73	-10.73	-6.76	-3.24	-5.45
		965	6330.38	50.26	-1248.57	-1247.38	49.07	-39.35	13.62	-5.25	-4.57	12.94	-3.52
		964	7030.51	3.07	-1269.98	-1269.94	3.03	-7.12	8.43	-20.02	-15.80	4.21	-10.11
811	10	946	6243.96	3.24	-1156.48	-1156.45	3.22	-5.15	-3.35	-28.77	-18.62	-13.49	-12.45

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		947	5221.30	50.96	-1134.85	-1133.65	49.76	-37.73	0.23	-11.09	-6.74	-4.11	-5.50
		965	6389.59	50.84	-1266.69	-1265.61	49.76	-37.73	13.61	-5.05	-4.44	13.00	-3.31
		964	7123.76	3.24	-1288.44	-1288.42	3.22	-5.15	7.95	-20.65	-16.32	3.62	-10.25
811	11	946	6205.02	4.07	-1152.33	-1152.28	4.02	-7.47	-2.59	-27.46	-18.02	-12.03	-12.07
		947	5244.68	50.53	-1131.42	-1130.12	49.23	-39.12	0.72	-10.71	-6.74	-3.25	-5.45
		965	6327.63	50.41	-1247.56	-1246.38	49.23	-39.12	13.68	-5.21	-4.54	13.01	-3.49
		964	7030.62	4.06	-1268.58	-1268.53	4.02	-7.47	8.45	-20.04	-15.82	4.23	-10.12
812	1	945	1.010e+04	14.64	-1938.52	-1938.08	14.19	-29.52	0.42	-34.03	-24.45	-9.16	-15.44
		946	9394.63	47.20	-1923.92	-1922.57	45.84	-51.67	4.01	-20.76	-15.16	-1.59	-10.36
		964	1.034e+04	47.11	-2054.38	-2053.11	45.84	-51.67	13.04	-16.37	-13.88	10.56	-8.19
		963	1.094e+04	14.61	-2069.04	-2068.62	14.19	-29.52	8.53	-28.72	-23.17	2.98	-13.27
812	2	945	1.198e+04	29.17	-2282.50	-2282.24	28.92	-24.15	-2.10	-42.68	-30.87	-13.90	-18.43
		946	1.088e+04	53.86	-2271.11	-2270.38	53.13	-41.10	3.47	-21.24	-16.54	-1.23	-9.70
		964	1.212e+04	53.82	-2384.59	-2383.90	53.13	-41.10	21.84	-14.17	-13.11	20.78	-6.10
		963	1.296e+04	29.16	-2396.00	-2395.76	28.92	-24.15	13.48	-32.81	-27.44	8.10	-14.83
812	3	945	1.020e+04	15.21	-1957.33	-1956.96	14.85	-26.84	-1.52	-36.53	-25.74	-12.31	-16.17
		946	9379.68	48.19	-1942.44	-1941.22	46.97	-49.32	2.54	-21.31	-15.20	-3.57	-10.41
		964	1.047e+04	48.11	-2094.33	-2093.19	46.97	-49.32	12.86	-15.99	-13.69	10.56	-7.81
		963	1.115e+04	15.19	-2109.27	-2108.93	14.85	-26.84	7.60	-30.01	-24.22	1.82	-13.57
812	4	945	1.024e+04	18.24	-1964.46	-1963.97	17.75	-31.21	-1.55	-36.53	-25.78	-12.30	-16.14
		946	9417.55	49.14	-1950.62	-1949.25	47.78	-52.23	2.51	-21.27	-15.22	-3.55	-10.36
		964	1.048e+04	49.05	-2094.76	-2093.49	47.78	-52.23	12.92	-15.96	-13.69	10.65	-7.77
		963	1.117e+04	18.21	-2108.66	-2108.20	17.75	-31.21	7.66	-30.01	-24.25	1.90	-13.56
812	5	945	1.019e+04	18.49	-1952.78	-1952.28	17.99	-31.61	0.30	-34.45	-24.77	-9.37	-15.57
		946	9464.09	48.49	-1939.36	-1938.00	47.13	-52.01	3.99	-20.75	-15.22	-1.54	-10.31
		964	1.043e+04	48.41	-2070.53	-2069.25	47.13	-52.01	13.51	-16.21	-13.83	11.13	-8.07
		963	1.105e+04	18.46	-2084.01	-2083.53	17.99	-31.61	8.81	-28.90	-23.38	3.29	-13.33
812	6	945	1.011e+04	16.72	-1939.88	-1939.37	16.21	-31.59	0.40	-34.06	-24.47	-9.20	-15.45
		946	9403.85	47.87	-1925.96	-1924.55	46.46	-52.76	4.00	-20.75	-15.15	-1.60	-10.35
		964	1.033e+04	47.79	-2051.74	-2050.41	46.46	-52.76	13.06	-16.35	-13.87	10.58	-8.17
		963	1.094e+04	16.69	-2065.72	-2065.24	16.21	-31.59	8.53	-28.73	-23.18	2.98	-13.27
812	7	945	9975.40	16.29	-1914.74	-1914.24	15.78	-31.27	0.08	-33.92	-24.24	-9.60	-15.34
		946	9274.56	47.91	-1900.62	-1899.19	46.48	-52.76	3.60	-20.92	-15.11	-2.22	-10.43
		964	1.024e+04	47.82	-2039.95	-2038.61	46.48	-52.76	12.08	-16.62	-13.98	9.44	-8.30
		963	1.084e+04	16.26	-2054.13	-2053.65	15.78	-31.27	7.71	-28.77	-23.12	2.06	-13.20
812	8	945	7860.99	11.39	-1507.55	-1507.28	11.12	-20.28	-1.20	-28.28	-19.90	-9.58	-12.51
		946	7217.75	37.01	-1495.98	-1495.05	36.08	-37.75	1.97	-16.33	-11.64	-2.71	-7.99
		964	8068.62	36.94	-1612.94	-1612.08	36.08	-37.75	10.17	-12.16	-10.44	8.45	-5.95
		963	8601.02	11.37	-1624.56	-1624.31	11.12	-20.28	6.02	-23.14	-18.70	1.58	-10.48
812	9	945	7159.75	10.89	-1375.10	-1374.78	10.57	-21.26	0.14	-24.20	-17.36	-6.70	-10.94
		946	6661.48	33.73	-1364.87	-1363.90	32.76	-36.79	2.66	-14.87	-10.83	-1.38	-7.38
		964	7333.90	33.67	-1459.88	-1458.97	32.76	-36.79	8.90	-11.76	-9.95	7.08	-5.85
		963	7759.81	10.87	-1470.15	-1469.85	10.57	-21.26	5.74	-20.46	-16.48	1.75	-9.41
812	10	945	7213.53	11.21	-1385.55	-1385.27	10.93	-19.76	-0.94	-25.58	-18.07	-8.45	-11.35
		946	6653.27	34.29	-1375.16	-1374.26	33.39	-35.49	1.85	-15.17	-10.85	-2.48	-7.41
		964	7405.87	34.22	-1482.07	-1481.24	33.39	-35.49	8.79	-11.55	-9.84	7.08	-5.64
		963	7875.42	11.19	-1492.50	-1492.24	10.93	-19.76	5.22	-21.18	-17.06	1.11	-9.58
812	11	945	7166.82	12.05	-1375.86	-1375.50	11.69	-22.40	0.13	-24.21	-17.36	-6.72	-10.95
		946	6666.60	34.11	-1366.00	-1365.00	33.11	-37.40	2.66	-14.86	-10.82	-1.38	-7.38
		964	7329.34	34.04	-1458.41	-1457.47	33.11	-37.40	8.90	-11.75	-9.94	7.09	-5.84
		963	7757.04	12.03	-1468.31	-1467.97	11.69	-22.40	5.74	-20.46	-16.48	1.75	-9.41
813	1	944	1.065e+04	27.97	-2077.30	-2076.36	27.03	-44.49	3.22	-29.48	-22.47	-3.78	-13.42
		945	1.043e+04	30.74	-2076.06	-2075.04	29.72	-46.38	5.48	-24.82	-19.00	-0.34	-11.94
		963	1.085e+04	30.70	-2154.49	-2153.50	29.72	-46.38	7.01	-23.16	-19.09	2.94	-10.31
		962	1.105e+04	27.94	-2155.73	-2154.82	27.03	-44.49	4.62	-27.67	-22.56	-0.49	-11.78
813	2	944	1.281e+04	52.40	-2474.08	-2472.41	50.72	-64.99	0.59	-39.80	-29.35	-9.87	-17.69
		945	1.222e+04	37.74	-2480.56	-2479.36	36.54	-55.06	5.03	-27.04	-21.11	-0.91	-12.45
		963	1.265e+04	37.73	-2500.58	-2499.38	36.54	-55.06	14.75	-21.15	-18.69	12.29	-9.07
		962	1.313e+04	52.38	-2494.09	-2492.43	50.72	-64.99	9.02	-32.62	-26.93	3.33	-14.30
813	3	944	1.074e+04	28.80	-2101.24	-2100.39	27.95	-42.67	0.99	-31.82	-23.79	-7.03	-14.11
		945	1.043e+04	31.54	-2100.01	-2099.08	30.61	-44.54	3.73	-25.36	-19.10	-2.53	-11.95
		963	1.099e+04	31.50	-2197.87	-2196.98	30.61	-44.54	6.72	-22.82	-18.94	2.84	-9.98
		962	1.128e+04	28.76	-2199.11	-2198.29	27.95	-42.67	3.71	-29.01	-23.63	-1.67	-12.13
813	4	944	1.078e+04	31.90	-2105.94	-2104.80	30.76	-49.30	1.00	-31.82	-23.82	-7.00	-14.09
		945	1.046e+04	32.49	-2105.68	-2104.52	31.34	-49.70	3.73	-25.33	-19.12	-2.48	-11.91
		963	1.099e+04	32.45	-2194.66	-2193.55	31.34	-49.70	6.80	-22.78	-18.93	2.96	-9.95
		962	1.128e+04	31.86	-2194.92	-2193.83	30.76	-49.30	3.80	-28.99	-23.64	-1.55	-12.12
813	5	944	1.074e+04	31.96	-2091.46	-2090.28	30.78	-50.02	3.10	-29.95	-22.80	-4.05	-13.61
		945	1.050e+04	32.02	-2091.43	-2090.25	30.84	-50.07	5.47	-24.88	-19.07	-0.34	-11.94
		963	1.093e+04	31.98	-2168.49	-2167.35	30.84	-50.07	7.46	-22.98	-19.03	3.51	-10.23
		962	1.115e+04	31.92	-2168.51	-2167.38	30.78	-50.02	4.92	-27.88	-22.76	-0.20	-11.90
813	6	944	1.065e+04	30.04	-2077.07	-2075.97	28.94	-48.13	3.21	-29.50	-22.48	-3.81	-13.42

		945	1.043e+04	31.41	-2076.46	-2075.32	30.27	-49.06	5.46	-24.82	-19.00	-0.36	-11.93
		963	1.083e+04	31.37	-2149.99	-2148.89	30.27	-49.06	7.03	-23.14	-19.07	2.96	-10.30
		962	1.104e+04	30.01	-2150.60	-2149.53	28.94	-48.13	4.63	-27.67	-22.56	-0.49	-11.79
813	7	944	1.051e+04	29.48	-2052.94	-2051.87	28.41	-47.24	2.80	-29.24	-22.28	-4.16	-13.21
		945	1.030e+04	31.46	-2052.06	-2050.92	30.33	-48.58	4.96	-24.86	-18.94	-0.96	-11.89
		963	1.075e+04	31.42	-2138.78	-2137.69	30.33	-48.58	6.15	-23.39	-19.17	1.93	-10.34
		962	1.095e+04	29.44	-2139.66	-2138.63	28.41	-47.24	3.88	-27.66	-22.50	-1.28	-11.67
813	8	944	8281.45	21.89	-1618.55	-1617.92	21.26	-32.25	0.74	-24.65	-18.41	-5.51	-10.93
		945	8024.92	24.18	-1617.52	-1616.82	23.49	-33.81	2.91	-19.45	-14.64	-1.90	-9.19
		963	8466.53	24.15	-1693.05	-1692.38	23.49	-33.81	5.42	-17.41	-14.49	2.50	-7.63
		962	8699.56	21.86	-1694.08	-1693.48	21.26	-32.25	3.02	-22.37	-18.25	-1.10	-9.37
813	9	944	7544.99	20.33	-1473.79	-1473.09	19.63	-32.25	2.10	-20.95	-15.96	-2.89	-9.49
		945	7392.99	22.04	-1473.02	-1472.28	21.29	-33.42	3.66	-17.74	-13.56	-0.52	-8.49
		963	7694.35	22.01	-1530.71	-1530.00	21.29	-33.42	4.63	-16.60	-13.64	1.68	-7.35
		962	7837.07	20.30	-1531.48	-1530.81	19.63	-32.25	2.97	-19.71	-16.05	-0.70	-8.35
813	10	944	7600.32	20.79	-1487.09	-1486.44	20.14	-31.24	0.86	-22.25	-16.69	-4.70	-9.87
		945	7393.64	22.48	-1486.33	-1485.63	21.79	-32.39	2.69	-18.04	-13.61	-1.73	-8.50
		963	7773.10	22.45	-1554.82	-1554.15	21.79	-32.39	4.47	-16.41	-13.56	1.62	-7.17
		962	7963.23	20.76	-1555.58	-1554.96	20.14	-31.24	2.47	-20.46	-16.64	-1.35	-8.54
813	11	944	7549.45	21.48	-1473.66	-1472.88	20.69	-34.27	2.09	-20.96	-15.96	-2.91	-9.49
		945	7395.78	22.41	-1473.25	-1472.43	21.60	-34.91	3.65	-17.73	-13.55	-0.53	-8.48
		963	7686.53	22.38	-1528.22	-1527.43	21.60	-34.91	4.64	-16.59	-13.64	1.69	-7.34
		962	7830.81	21.45	-1528.63	-1527.87	20.69	-34.27	2.98	-19.72	-16.05	-0.69	-8.36
814	1	943	1.032e+04	35.98	-2040.59	-2039.08	34.48	-55.88	5.13	-24.09	-19.22	0.26	-10.88
		944	1.049e+04	13.32	-2050.63	-2049.84	12.53	-40.51	5.80	-26.73	-20.86	-0.08	-12.51
		962	1.048e+04	13.32	-2074.61	-2073.82	12.53	-40.51	1.59	-27.65	-22.03	-4.02	-11.52
		961	1.031e+04	35.96	-2064.56	-2063.07	34.48	-55.88	0.90	-24.98	-20.40	-3.68	-9.89
814	2	943	1.223e+04	60.41	-2397.78	-2393.68	56.32	-100.22	3.76	-32.34	-24.23	-4.34	-15.06
		944	1.224e+04	12.99	-2417.79	-2415.86	11.06	-68.54	6.04	-30.92	-23.60	-1.28	-14.73
		962	1.207e+04	13.02	-2379.23	-2377.26	11.06	-68.54	6.17	-28.35	-23.15	0.97	-12.35
		961	1.205e+04	60.48	-2359.25	-2355.09	56.32	-100.22	3.75	-29.62	-23.79	-2.08	-12.68
814	3	943	1.042e+04	37.59	-2067.54	-2066.08	36.13	-55.39	2.81	-26.17	-20.48	-2.87	-11.51
		944	1.051e+04	13.82	-2078.11	-2077.37	13.09	-39.26	3.98	-27.28	-21.01	-2.29	-12.51
		962	1.062e+04	13.81	-2117.51	-2116.79	13.09	-39.26	1.27	-27.40	-21.93	-4.19	-11.26
		961	1.053e+04	37.56	-2106.93	-2105.50	36.13	-55.39	0.11	-26.29	-21.40	-4.77	-10.25
814	4	943	1.045e+04	40.38	-2070.46	-2068.53	38.45	-63.75	2.82	-26.22	-20.53	-2.87	-11.52
		944	1.054e+04	14.85	-2081.63	-2080.60	13.82	-46.50	3.97	-27.23	-21.01	-2.25	-12.47
		962	1.060e+04	14.84	-2109.16	-2108.14	13.82	-46.50	1.43	-27.28	-21.87	-3.97	-11.22
		961	1.052e+04	40.35	-2097.98	-2096.07	38.45	-63.75	0.28	-26.27	-21.39	-4.59	-10.28
814	5	943	1.041e+04	39.93	-2054.08	-2052.09	37.95	-64.43	4.99	-24.60	-19.54	-0.06	-11.13
		944	1.057e+04	14.54	-2065.17	-2064.09	13.47	-47.29	5.79	-26.84	-20.93	-0.12	-12.57
		962	1.054e+04	14.53	-2083.39	-2082.32	13.47	-47.29	2.03	-27.46	-21.96	-3.47	-11.49
		961	1.039e+04	39.92	-2072.29	-2070.33	37.95	-64.43	1.23	-25.21	-20.57	-3.41	-10.06
814	6	943	1.033e+04	38.02	-2039.33	-2037.54	36.24	-60.88	5.09	-24.13	-19.24	0.21	-10.90
		944	1.049e+04	14.02	-2049.87	-2048.90	13.05	-44.65	5.77	-26.72	-20.85	-0.10	-12.50
		962	1.046e+04	14.01	-2067.20	-2066.24	13.05	-44.65	1.65	-27.59	-21.99	-3.96	-11.51
		961	1.029e+04	38.01	-2056.65	-2054.88	36.24	-60.88	0.96	-24.99	-20.38	-3.64	-9.91
814	7	943	1.020e+04	37.61	-2018.30	-2016.57	35.88	-59.65	4.69	-23.81	-19.06	-0.06	-10.62
		944	1.037e+04	14.18	-2028.60	-2027.66	13.24	-43.80	5.24	-26.66	-20.79	-0.62	-12.35
		962	1.038e+04	14.17	-2057.52	-2056.60	13.24	-43.80	0.93	-27.78	-22.06	-4.80	-11.47
		961	1.021e+04	37.59	-2047.22	-2045.51	35.88	-59.65	0.35	-24.92	-20.33	-4.24	-9.74
814	8	943	8032.53	28.76	-1592.66	-1591.57	27.67	-41.92	2.14	-20.28	-15.85	-2.29	-8.93
		944	8090.41	10.55	-1600.77	-1600.23	10.01	-29.55	3.10	-20.94	-16.12	-1.72	-9.63
		962	8183.89	10.54	-1631.59	-1631.06	10.01	-29.55	1.19	-20.92	-16.80	-2.94	-8.62
		961	8126.28	28.74	-1623.47	-1622.40	27.67	-41.92	0.23	-20.27	-16.53	-3.51	-7.92
814	9	943	7316.05	25.98	-1448.08	-1446.96	24.86	-40.65	3.43	-17.11	-13.65	-0.02	-7.68
		944	7441.38	9.66	-1455.29	-1454.70	9.06	-29.59	3.87	-19.08	-14.87	-0.33	-8.88
		962	7435.15	9.65	-1473.45	-1472.86	9.06	-29.59	0.83	-19.79	-15.72	-3.23	-8.20
		961	7308.71	25.97	-1466.22	-1465.12	24.86	-40.65	0.38	-17.80	-14.50	-2.92	-7.01
814	10	943	7372.29	26.88	-1463.05	-1461.95	25.78	-40.38	2.15	-18.26	-14.35	-1.76	-8.03
		944	7451.58	9.94	-1470.56	-1469.99	9.37	-28.89	2.86	-19.38	-14.96	-1.56	-8.88
		962	7513.81	9.93	-1497.28	-1496.73	9.37	-28.89	0.65	-19.65	-15.67	-3.33	-8.06
		961	7434.69	26.86	-1489.76	-1488.69	25.78	-40.38	-0.06	-18.53	-15.06	-3.53	-7.21
814	11	943	7318.80	27.12	-1447.38	-1446.10	25.84	-43.43	3.42	-17.13	-13.67	-0.05	-7.69
		944	7442.16	10.05	-1454.87	-1454.18	9.35	-31.89	3.86	-19.07	-14.87	-0.35	-8.87
		962	7422.02	10.04	-1469.33	-1468.64	9.35	-31.89	0.86	-19.76	-15.70	-3.20	-8.20
		961	7297.43	27.11	-1461.83	-1460.57	25.84	-43.43	0.41	-17.80	-14.50	-2.90	-7.02
815	1	942	9174.38	47.43	-1833.82	-1831.67	45.27	-63.60	7.12	-16.95	-14.27	4.44	-7.57
		943	9691.52	-2.90	-1855.98	-1855.51	-3.38	-29.55	5.66	-26.61	-20.96	0.02	-12.26
		961	9339.84	-2.90	-1831.37	-1830.90	-3.38	-29.55	-3.34	-30.70	-23.19	-10.85	-12.21
		960	8767.16	47.46	-1809.24	-1807.06	45.27	-63.60	-2.41	-20.51	-16.50	-6.42	-7.52
815	2	942	1.057e+04	65.49	-2097.55	-2091.90	59.84	-110.45	6.03	-23.52	-17.85	0.36	-11.64

		943	1.105e+04	0.78	-2124.05	-2121.89	-1.37	-67.60	6.20	-31.13	-23.24	-1.69	-15.24
		961	1.056e+04	0.85	-2059.14	-2056.91	-1.37	-67.60	-0.62	-32.73	-24.52	-8.83	-14.00
		960	1.006e+04	65.67	-2032.75	-2026.92	59.84	-110.45	-0.86	-25.05	-19.13	-6.77	-10.40
815	3	942	9272.36	51.09	-1861.57	-1859.31	48.82	-65.73	4.89	-18.62	-15.38	1.65	-8.10
		943	9727.99	-2.43	-1885.11	-1884.65	-2.89	-29.53	3.92	-27.14	-21.15	-2.07	-12.26
		961	9469.02	-2.42	-1869.70	-1869.24	-2.89	-29.53	-3.62	-30.58	-23.13	-11.07	-12.05
		960	8973.92	51.10	-1846.18	-1843.90	48.82	-65.73	-3.00	-21.71	-17.36	-7.35	-7.90
815	4	942	9289.18	50.72	-1862.90	-1860.11	47.93	-73.03	4.88	-18.74	-15.44	1.58	-8.18
		943	9740.62	-1.40	-1885.42	-1884.65	-2.16	-37.97	3.94	-27.09	-21.12	-2.03	-12.23
		961	9428.51	-1.38	-1855.63	-1854.85	-2.16	-37.97	-3.37	-30.36	-23.01	-10.72	-12.02
		960	8939.49	50.76	-1833.14	-1830.31	47.93	-73.03	-2.75	-21.69	-17.33	-7.11	-7.97
815	5	942	9251.37	49.68	-1845.57	-1842.74	46.86	-73.13	6.96	-17.44	-14.55	4.07	-7.88
		943	9658.64	-1.58	-1867.67	-1866.87	-2.38	-38.67	5.67	-26.76	-21.02	-0.07	-12.38
		961	9372.80	-1.56	-1832.89	-1832.07	-2.38	-38.67	-2.92	-30.52	-23.09	-10.35	-12.24
		960	8815.52	49.74	-1810.82	-1807.94	46.86	-73.13	-2.08	-20.75	-16.63	-6.20	-7.74
815	6	942	9172.79	48.24	-1831.90	-1829.40	45.74	-68.54	7.08	-17.01	-14.30	4.36	-7.62
		943	9688.57	-1.94	-1853.74	-1853.08	-2.59	-34.71	5.63	-26.59	-20.94	-0.02	-12.25
		961	9305.71	-1.93	-1820.67	-1820.01	-2.59	-34.71	-3.23	-30.61	-23.12	-10.72	-12.20
		960	8735.15	48.29	-1798.87	-1796.33	45.74	-68.54	-2.30	-20.51	-16.47	-6.34	-7.57
815	7	942	9076.26	47.88	-1815.79	-1813.36	45.45	-67.24	6.74	-16.70	-14.16	4.20	-7.29
		943	9591.94	-1.65	-1837.37	-1836.74	-2.27	-33.83	5.14	-26.44	-20.89	-0.41	-12.02
		961	9251.96	-1.64	-1813.08	-1812.44	-2.27	-33.83	-3.76	-30.70	-23.15	-11.31	-12.10
		960	8677.75	47.91	-1791.52	-1789.06	45.45	-67.24	-2.72	-20.39	-16.42	-6.70	-7.38
815	8	942	7146.99	39.45	-1434.05	-1432.35	37.75	-50.03	3.74	-14.46	-11.91	1.19	-6.31
		943	7488.90	-1.95	-1452.30	-1451.97	-2.28	-22.01	3.06	-20.84	-16.23	-1.55	-9.43
		961	7296.25	-1.95	-1441.15	-1440.81	-2.28	-22.01	-2.62	-23.37	-17.73	-8.26	-9.23
		960	6925.97	39.47	-1422.91	-1421.19	37.75	-50.03	-2.20	-16.74	-13.41	-5.52	-6.11
815	9	942	6503.98	33.87	-1301.73	-1300.13	32.27	-46.19	4.87	-12.03	-10.14	2.98	-5.32
		943	6874.84	-1.85	-1317.40	-1317.03	-2.22	-22.04	3.78	-18.97	-14.95	-0.24	-8.68
		961	6627.18	-1.84	-1299.98	-1299.60	-2.22	-22.04	-2.60	-21.96	-16.53	-8.02	-8.69
		960	6215.58	33.89	-1284.32	-1282.70	32.27	-46.19	-1.90	-14.62	-11.73	-4.80	-5.33
815	10	942	6558.31	35.91	-1317.14	-1315.48	34.25	-47.37	3.62	-12.95	-10.75	1.42	-5.62
		943	6895.21	-1.58	-1333.58	-1333.22	-1.95	-22.04	2.82	-19.27	-15.05	-1.40	-8.68
		961	6698.88	-1.58	-1321.27	-1320.90	-1.95	-22.04	-2.76	-21.89	-16.50	-8.15	-8.61
		960	6330.55	35.92	-1304.84	-1303.17	34.25	-47.37	-2.23	-15.29	-12.20	-5.32	-5.55
815	11	942	6503.09	34.33	-1300.66	-1298.87	32.53	-48.93	4.84	-12.06	-10.15	2.93	-5.35
		943	6873.22	-1.31	-1316.15	-1315.68	-1.78	-24.91	3.77	-18.97	-14.94	-0.26	-8.68
		961	6608.24	-1.30	-1294.03	-1293.55	-1.78	-24.91	-2.54	-21.91	-16.49	-7.95	-8.69
		960	6197.81	34.36	-1278.57	-1276.74	32.53	-48.93	-1.85	-14.63	-11.71	-4.76	-5.36
816	1	941	7358.08	64.65	-1478.05	-1474.94	61.53	-69.26	10.46	-8.09	-7.47	9.83	-3.35
		942	8175.44	-12.60	-1511.56	-1511.36	-12.80	-17.23	5.68	-24.61	-19.56	0.63	-11.29
		960	7577.04	-12.59	-1439.13	-1438.92	-12.80	-17.23	-7.36	-33.16	-22.93	-17.59	-12.62
		959	6511.32	64.80	-1405.77	-1402.50	61.53	-69.26	-4.77	-14.45	-10.83	-8.39	-4.68
816	2	941	8201.87	70.15	-1653.23	-1645.97	62.89	-111.62	8.83	-12.36	-9.68	6.16	-7.03
		942	9125.73	-14.62	-1686.75	-1684.87	-16.50	-56.04	6.15	-29.13	-21.34	-1.64	-14.63
		960	8430.17	-14.50	-1586.38	-1584.38	-16.50	-56.04	-5.95	-36.59	-24.31	-18.22	-15.02
		959	7331.75	70.60	-1553.18	-1545.48	62.89	-111.62	-4.03	-19.05	-12.65	-10.43	-7.43
816	3	941	7439.43	70.03	-1504.64	-1501.06	66.44	-75.07	8.43	-9.17	-8.32	7.58	-3.78
		942	8229.28	-11.74	-1539.76	-1539.50	-12.01	-20.15	4.17	-25.12	-19.78	-1.18	-11.31
		960	7682.23	-11.73	-1468.17	-1467.90	-12.01	-20.15	-7.55	-33.25	-22.92	-17.89	-12.60
		959	6674.90	70.20	-1433.21	-1429.46	66.44	-75.07	-5.10	-15.50	-11.46	-9.13	-5.07
816	4	941	7397.58	55.37	-1503.03	-1499.59	51.93	-73.20	8.30	-9.33	-8.40	7.37	-3.95
		942	8201.15	-14.04	-1532.61	-1532.14	-14.51	-26.70	4.25	-25.05	-19.68	-1.13	-11.34
		960	7607.90	-14.01	-1448.42	-1447.92	-14.51	-26.70	-7.29	-32.89	-22.71	-17.46	-12.53
		959	6599.82	55.57	-1419.01	-1415.37	51.93	-73.20	-4.92	-15.48	-11.44	-8.96	-5.14
816	5	941	7368.54	54.17	-1486.22	-1482.81	50.76	-72.39	10.10	-8.50	-7.71	9.31	-3.75
		942	8203.93	-13.97	-1515.24	-1514.76	-14.44	-26.75	5.73	-24.79	-19.56	0.50	-11.50
		960	7565.20	-13.94	-1431.45	-1430.95	-14.44	-26.75	-7.02	-32.94	-22.78	-17.18	-12.66
		959	6501.88	54.36	-1402.60	-1399.00	50.76	-72.39	-4.57	-14.72	-10.93	-8.36	-4.91
816	6	941	7318.59	54.65	-1475.54	-1472.49	51.60	-68.23	10.29	-8.19	-7.52	9.62	-3.47
		942	8149.18	-13.78	-1505.02	-1504.69	-14.11	-22.23	5.68	-24.59	-19.50	0.59	-11.32
		960	7521.47	-13.76	-1424.33	-1423.98	-14.11	-22.23	-7.23	-32.96	-22.80	-17.40	-12.58
		959	6452.10	54.82	-1395.00	-1391.78	51.60	-68.23	-4.71	-14.48	-10.82	-8.37	-4.73
816	7	941	7257.52	54.04	-1465.15	-1462.19	51.08	-66.93	10.15	-7.98	-7.42	9.59	-3.13
		942	8080.34	-13.54	-1494.33	-1494.01	-13.86	-21.47	5.28	-24.37	-19.45	0.36	-11.03
		960	7484.52	-13.53	-1419.07	-1418.75	-13.86	-21.47	-7.56	-32.93	-22.79	-17.69	-12.42
		959	6415.42	54.19	-1390.03	-1386.93	51.08	-66.93	-4.94	-14.29	-10.76	-8.47	-4.53
816	8	941	5737.52	55.18	-1159.23	-1156.45	52.40	-58.02	6.45	-7.15	-6.47	5.77	-2.97
		942	6337.66	-8.86	-1186.75	-1186.56	-9.05	-15.01	3.25	-19.30	-15.18	-0.87	-8.71
		960	5919.45	-8.85	-1132.25	-1132.05	-9.05	-15.01	-5.69	-25.44	-17.58	-13.55	-9.67
		959	5156.26	55.31	-1104.85	-1101.94	52.40	-58.02	-3.85	-11.93	-8.87	-6.92	-3.92
816	9	941	5211.50	44.27	-1049.51	-1047.29	42.04	-49.25	7.27	-5.74	-5.30	6.84	-2.33

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		942	5797.89	-9.13	-1072.61	-1072.45	-9.30	-13.31	3.83	-17.54	-13.94	0.23	-7.99
		960	5374.92	-9.13	-1020.42	-1020.24	-9.30	-13.31	-5.38	-23.70	-16.33	-12.75	-8.98
		959	4610.13	44.38	-997.42	-995.09	42.04	-49.25	-3.51	-10.33	-7.69	-6.14	-3.32
816	10	941	5256.60	47.25	-1064.28	-1061.80	44.77	-52.48	6.14	-6.34	-5.78	5.58	-2.57
		942	5827.90	-8.65	-1088.29	-1088.08	-8.86	-14.93	2.99	-17.82	-14.06	-0.77	-8.01
		960	5433.33	-8.64	-1036.56	-1036.34	-8.86	-14.93	-5.49	-23.75	-16.33	-12.91	-8.97
		959	4701.06	47.38	-1012.67	-1010.06	44.77	-52.48	-3.69	-10.91	-8.04	-6.56	-3.54
816	11	941	5189.61	38.71	-1048.11	-1045.93	36.53	-48.68	7.18	-5.79	-5.33	6.72	-2.40
		942	5783.32	-9.79	-1068.99	-1068.74	-10.03	-16.09	3.83	-17.53	-13.91	0.21	-8.01
		960	5344.09	-9.77	-1012.21	-1011.95	-10.03	-16.09	-5.31	-23.59	-16.26	-12.64	-8.96
		959	4577.32	38.83	-991.44	-989.13	36.53	-48.68	-3.47	-10.35	-7.68	-6.13	-3.35
817	1	940	5033.24	66.27	-993.67	-990.55	63.15	-57.47	15.61	0.26	0.36	15.51	1.25
		941	5972.11	-13.41	-1028.08	-1028.07	-13.43	-3.87	5.94	-20.53	-16.40	1.81	-9.61
		959	5361.17	-13.41	-913.76	-913.74	-13.43	-3.87	-9.29	-34.11	-20.87	-22.53	-12.38
		958	3784.62	66.65	-879.72	-876.22	63.15	-57.47	-3.67	-9.28	-4.12	-8.83	-1.52
817	2	940	5274.41	60.79	-1081.58	-1075.17	54.38	-85.31	12.58	-0.81	-0.56	12.33	-1.81
		941	6512.55	-19.81	-1112.98	-1112.00	-20.79	-32.70	6.15	-24.75	-17.67	-0.93	-12.99
		959	5953.97	-19.68	-985.96	-984.85	-20.79	-32.70	-8.67	-39.10	-22.25	-25.52	-15.13
		958	4175.28	61.59	-955.23	-948.02	54.38	-85.31	-3.38	-14.01	-5.14	-12.26	-3.94
817	3	940	5063.54	68.54	-1015.74	-1011.85	64.65	-64.87	14.07	-0.19	-0.13	14.00	0.97
		941	6028.64	-12.92	-1050.01	-1049.91	-13.02	-10.50	4.81	-21.00	-16.61	0.42	-9.69
		959	5440.84	-12.90	-929.16	-929.04	-13.02	-10.50	-9.39	-34.54	-20.93	-22.99	-12.53
		958	3854.32	69.03	-895.37	-890.99	64.65	-64.87	-3.82	-10.04	-4.45	-9.41	-1.87
817	4	940	4933.90	49.54	-997.19	-994.81	47.16	-49.88	14.10	-0.05	7.18e-03	14.04	0.91
		941	5912.37	-21.10	-1028.26	-1028.26	-21.11	-2.10	4.99	-20.95	-16.50	0.53	-9.79
		959	5352.27	-21.10	-912.47	-912.46	-21.11	-2.10	-9.34	-34.53	-20.85	-23.02	-12.54
		958	3772.29	49.83	-881.69	-879.02	47.16	-49.88	-3.75	-10.10	-4.35	-9.51	-1.85
817	5	940	4925.05	48.91	-983.92	-981.64	46.63	-48.50	15.17	0.27	0.33	15.11	0.94
		941	5901.33	-20.55	-1014.56	-1014.56	-20.55	-1.48	6.02	-20.71	-16.33	1.64	-9.90
		959	5318.19	-20.55	-903.46	-903.46	-20.55	-1.48	-9.19	-34.25	-20.81	-22.63	-12.50
		958	3733.60	49.19	-873.10	-870.54	46.63	-48.50	-3.64	-9.67	-4.15	-9.16	-1.67
817	6	940	4922.78	50.84	-979.31	-977.23	48.76	-46.34	15.46	0.33	0.42	15.37	1.18
		941	5876.32	-19.55	-1010.70	-1010.70	-19.55	1.48	5.98	-20.51	-16.30	1.78	-9.68
		959	5292.16	-19.55	-900.73	-900.72	-19.55	1.48	-9.31	-34.11	-20.80	-22.61	-12.37
		958	3723.93	51.09	-869.59	-867.26	48.76	-46.34	-3.66	-9.44	-4.08	-9.02	-1.50
817	7	940	4905.40	50.08	-974.33	-972.34	48.09	-45.09	15.68	0.34	0.49	15.52	1.52
		941	5836.95	-19.54	-1005.49	-1005.48	-19.54	2.26	5.73	-20.26	-16.28	1.75	-9.36
		959	5267.40	-19.54	-897.92	-897.91	-19.54	2.26	-9.49	-33.94	-20.78	-22.65	-12.19
		958	3709.03	50.32	-866.99	-864.77	48.09	-45.09	-3.68	-9.20	-4.01	-8.87	-1.31
817	8	940	3909.93	54.33	-783.80	-780.66	51.18	-51.22	10.74	-0.21	-0.16	10.69	0.68
		941	4649.20	-9.29	-810.44	-810.34	-9.39	-8.82	3.73	-16.13	-12.75	0.34	-7.47
		959	4190.51	-9.28	-716.77	-716.66	-9.39	-8.82	-7.14	-26.42	-16.05	-17.51	-9.61
		958	2965.40	54.72	-690.52	-686.98	51.18	-51.22	-2.96	-7.67	-3.47	-7.16	-1.46
817	9	940	3553.88	44.47	-703.87	-701.81	42.41	-39.21	11.05	0.21	0.29	10.97	0.95
		941	4225.52	-10.59	-727.79	-727.78	-10.60	-2.11	4.08	-14.63	-11.69	1.14	-6.80
		959	3803.49	-10.59	-647.21	-647.21	-10.60	-2.11	-6.71	-24.42	-14.88	-16.25	-8.83
		958	2688.79	44.71	-623.54	-621.24	42.41	-39.21	-2.60	-6.72	-2.90	-6.42	-1.07
817	10	940	3570.22	45.71	-716.12	-713.65	43.24	-43.32	10.20	-0.04	0.02	10.13	0.79
		941	4256.98	-10.33	-739.96	-739.92	-10.37	-5.79	3.45	-14.89	-11.81	0.37	-6.85
		959	3847.81	-10.32	-655.76	-655.71	-10.37	-5.79	-6.76	-24.66	-14.91	-16.50	-8.91
		958	2727.53	46.02	-632.22	-629.44	43.24	-43.32	-2.69	-7.14	-3.08	-6.74	-1.27
817	11	940	3492.69	35.90	-695.91	-694.41	34.41	-33.02	10.97	0.25	0.33	10.89	0.91
		941	4172.34	-14.00	-718.13	-718.13	-14.00	0.86	4.10	-14.61	-11.64	1.12	-6.85
		959	3765.33	-14.00	-639.98	-639.98	-14.00	0.86	-6.72	-24.42	-14.84	-16.29	-8.82
		958	2655.11	36.08	-617.93	-616.26	34.41	-33.02	-2.59	-6.81	-2.88	-6.52	-1.06
818	1	13	2192.16	-5.42	-387.11	-385.44	-7.08	25.16	15.45	3.97	5.33	14.09	3.72
		940	2662.17	-15.66	-394.03	-391.09	-18.61	33.23	4.65	-12.77	-9.49	1.37	-6.81
		958	2612.89	-14.61	-295.01	-291.01	-18.61	33.23	-6.96	-25.74	-14.30	-18.41	-9.16
		17	1519.55	-4.82	-287.63	-285.37	-7.08	25.16	0.82	-5.97	0.53	-5.68	1.36
818	2	13	1829.32	-25.82	-394.38	-393.24	-26.96	20.50	11.71	5.19	5.52	11.38	1.42
		940	2857.89	-27.39	-395.36	-394.08	-28.68	21.70	4.85	-16.80	-10.22	-1.73	-9.95
		958	3131.77	-26.95	-301.23	-299.51	-28.68	21.70	-6.81	-31.93	-15.56	-23.18	-11.97
		17	1818.56	-25.42	-300.20	-298.67	-26.96	20.50	0.22	-10.11	0.18	-10.07	-0.60
818	3	13	2147.99	-12.13	-396.24	-394.97	-13.40	22.04	14.98	3.96	5.36	13.58	3.67
		940	2689.68	-18.61	-400.39	-398.47	-20.53	27.03	4.07	-13.21	-9.68	0.54	-6.97
		958	2697.54	-17.87	-294.76	-292.10	-20.53	27.03	-7.06	-26.66	-14.49	-19.23	-9.51
		17	1549.06	-11.64	-290.36	-288.60	-13.40	22.04	0.73	-6.36	0.54	-6.18	1.13
818	4	13	2158.63	10.81	-355.30	-351.75	7.25	35.91	15.61	4.13	5.63	14.10	3.88
		940	2505.84	-9.95	-372.28	-364.16	-18.08	53.64	4.23	-13.19	-9.62	0.65	-7.04
		958	2665.13	-8.23	-310.18	-300.33	-18.08	53.64	-7.18	-27.26	-14.69	-19.75	-9.72
		17	1618.78	11.56	-292.23	-287.92	7.25	35.91	0.76	-6.51	0.56	-6.30	1.20
818	5	13	2139.66	11.26	-351.98	-348.40	7.69	35.85	15.36	4.10	5.45	14.01	3.66

		940	2497.88	-9.51	-369.02	-360.84	-17.70	53.62	4.65	-12.96	-9.42	1.11	-7.06
		958	2607.10	-7.81	-308.39	-298.50	-17.70	53.62	-7.04	-26.44	-14.45	-19.03	-9.43
		17	1588.14	12.00	-290.38	-286.07	7.69	35.85	0.66	-6.37	0.42	-6.13	1.28
818	6	13	2175.37	12.25	-353.76	-350.19	8.68	35.98	15.63	4.01	5.45	14.19	3.83
		940	2501.32	-8.72	-370.94	-362.74	-16.92	53.90	4.62	-12.74	-9.40	1.28	-6.84
		958	2582.79	-6.94	-307.98	-298.00	-16.92	53.90	-7.08	-26.10	-14.40	-18.78	-9.26
		17	1572.04	13.02	-289.79	-285.45	8.68	35.98	0.75	-6.17	0.45	-5.87	1.41
818	7	13	2225.27	13.49	-352.94	-349.29	9.84	36.39	16.17	3.89	5.51	14.55	4.15
		940	2491.99	-8.10	-370.76	-362.25	-16.61	54.90	4.52	-12.47	-9.41	1.46	-6.53
		958	2563.39	-6.28	-308.52	-298.20	-16.61	54.90	-7.17	-25.83	-14.39	-18.61	-9.09
		17	1556.36	14.26	-289.66	-285.24	9.84	36.39	0.92	-5.91	0.53	-5.52	1.59
818	8	13	1646.84	-11.11	-308.12	-307.26	-11.97	15.96	11.38	3.03	4.07	10.34	2.76
		940	2082.47	-14.73	-310.39	-309.20	-15.92	18.73	3.15	-10.15	-7.42	0.42	-5.38
		958	2071.97	-14.25	-225.93	-224.26	-15.92	18.73	-5.38	-20.36	-11.09	-14.64	-7.28
		17	1183.03	-10.77	-223.54	-222.33	-11.97	15.96	0.53	-4.86	0.39	-4.72	0.86
818	9	13	1562.09	-1.23	-269.89	-268.48	-2.64	19.43	11.14	2.83	3.86	10.11	2.74
		940	1867.60	-10.40	-276.34	-273.61	-13.12	26.77	3.22	-9.10	-6.79	0.90	-4.82
		958	1863.33	-9.50	-211.39	-207.77	-13.12	26.77	-5.02	-18.53	-10.24	-13.32	-6.58
		17	1093.68	-0.77	-204.51	-202.64	-2.64	19.43	0.61	-4.31	0.41	-4.11	0.98
818	10	13	1536.87	-4.98	-274.94	-273.77	-6.15	17.69	10.88	2.83	3.87	9.83	2.71
		940	1882.42	-12.14	-279.76	-277.71	-14.19	23.32	2.90	-9.35	-6.89	0.44	-4.91
		958	1910.09	-11.43	-211.14	-208.37	-14.19	23.32	-5.08	-19.04	-10.35	-13.77	-6.77
		17	1110.19	-4.58	-206.00	-204.43	-6.15	17.69	0.56	-4.53	0.42	-4.38	0.85
818	11	13	1554.13	8.63	-251.41	-248.89	6.12	25.44	11.24	2.85	3.92	10.17	2.80
		940	1778.56	-6.37	-263.68	-257.86	-12.18	38.25	3.20	-9.09	-6.74	0.85	-4.83
		958	1846.87	-5.10	-218.74	-211.65	-12.18	38.25	-5.09	-18.73	-10.30	-13.52	-6.63
		17	1123.13	9.17	-205.74	-202.68	6.12	25.44	0.58	-4.42	0.36	-4.21	1.01
819	1	930	3711.93	114.51	-529.66	-483.24	68.08	166.59	-7.98	-28.39	-16.23	-20.13	-10.02
		10	2568.27	190.59	-442.65	-429.60	177.55	89.96	-0.27	-6.49	-0.76	-6.00	1.67
		14	3259.06	191.15	-417.23	-403.63	177.55	89.96	17.61	3.70	5.77	16.04	4.40
		948	3062.65	116.45	-505.64	-457.27	68.08	166.59	5.32	-13.63	-10.21	1.90	-7.29
819	2	930	4342.53	113.61	-562.23	-500.72	52.10	194.39	-10.73	-35.52	-19.96	-26.28	-11.98
		10	2750.66	187.47	-465.06	-444.48	166.89	114.04	1.66	-7.14	0.83	-6.31	2.57
		14	4104.30	186.14	-508.60	-489.35	166.89	114.04	25.15	4.01	7.54	21.62	7.88
		948	3659.25	109.76	-603.26	-545.60	52.10	194.39	4.20	-15.80	-13.25	1.64	-6.67
819	3	930	4038.91	117.47	-507.12	-456.65	66.99	170.23	-8.57	-31.99	-16.82	-23.74	-11.19
		10	2734.77	196.84	-412.61	-399.46	183.70	88.54	-0.50	-8.83	-0.60	-8.73	0.92
		14	3002.71	197.32	-391.69	-378.07	183.70	88.54	15.69	3.91	5.53	14.07	4.05
		948	2864.01	119.25	-487.51	-435.25	66.99	170.23	3.59	-15.23	-10.69	-0.95	-8.05
819	4	930	3799.28	70.95	-497.90	-459.42	32.48	142.84	-8.20	-31.84	-16.84	-23.20	-11.38
		10	2519.55	115.94	-444.03	-426.91	98.82	96.40	-0.24	-7.90	-0.32	-7.83	0.75
		14	2955.83	115.91	-445.23	-428.14	98.82	96.40	16.61	4.10	5.67	15.04	4.15
		948	2953.57	70.87	-499.04	-460.65	32.48	142.84	3.96	-15.15	-10.85	-0.33	-7.98
819	5	930	3646.41	72.53	-511.53	-471.03	32.02	148.38	-8.29	-30.00	-16.72	-21.57	-10.58
		10	2438.60	116.45	-457.87	-438.94	97.52	102.54	-0.09	-6.89	-0.42	-6.56	1.47
		14	3133.07	116.57	-454.41	-435.36	97.52	102.54	18.03	3.87	5.60	16.30	4.63
		948	3037.17	72.78	-508.21	-467.45	32.02	148.38	4.82	-14.24	-10.70	1.28	-7.41
819	6	930	3500.70	72.73	-519.74	-480.01	33.00	148.19	-7.88	-28.13	-16.12	-19.89	-9.95
		10	2394.79	116.09	-467.42	-448.54	97.21	103.24	-0.32	-6.44	-0.78	-5.98	1.62
		14	3087.72	116.61	-452.33	-432.94	97.21	103.24	17.27	3.66	5.15	15.79	4.24
		948	3010.44	73.80	-505.21	-464.40	33.00	148.19	5.33	-13.65	-10.19	1.88	-7.33
819	7	930	3575.51	69.65	-497.12	-459.30	31.84	141.43	-7.73	-29.35	-16.04	-21.04	-10.52
		10	2413.47	112.98	-445.32	-428.02	95.68	96.73	-0.46	-7.11	-0.62	-6.95	1.00
		14	2901.91	113.27	-436.25	-418.66	95.68	96.73	16.07	3.87	5.21	14.73	3.81
		948	2895.30	70.28	-488.39	-449.94	31.84	141.43	4.63	-14.21	-10.22	0.64	-7.70
819	8	930	3136.57	94.49	-391.72	-351.85	54.63	133.40	-6.66	-24.72	-12.98	-18.40	-8.61
		10	2129.47	158.76	-315.38	-305.61	149.00	67.34	-0.39	-6.89	-0.48	-6.80	0.73
		14	2322.83	159.16	-297.21	-287.05	149.00	67.34	12.07	3.00	4.27	10.79	3.15
		948	2200.89	96.07	-374.73	-333.29	54.63	133.40	2.71	-11.74	-8.24	-0.80	-6.19
819	9	930	2625.23	74.35	-370.42	-338.73	42.66	114.41	-5.64	-20.43	-11.53	-14.54	-7.24
		10	1802.27	123.14	-314.03	-304.14	113.25	65.00	-0.24	-4.73	-0.50	-4.47	1.05
		14	2255.34	123.48	-299.64	-289.41	113.25	65.00	12.24	2.67	3.75	11.16	3.02
		948	2147.22	75.43	-356.77	-324.00	42.66	114.41	3.64	-9.83	-7.28	1.09	-5.27
819	10	930	2806.89	75.96	-357.86	-323.95	42.06	116.44	-5.97	-22.43	-11.85	-16.55	-7.89
		10	1893.58	126.63	-297.35	-287.40	116.67	64.21	-0.35	-6.05	-0.42	-5.98	0.63
		14	2112.83	126.92	-285.46	-275.21	116.67	64.21	11.17	2.79	3.89	10.07	2.83
		948	2039.14	76.94	-346.65	-311.77	42.06	116.44	2.68	-10.71	-7.54	-0.49	-5.69
819	11	930	2507.82	51.15	-364.91	-336.93	23.17	104.19	-5.58	-20.29	-11.46	-14.40	-7.21
		10	1706.93	81.83	-327.87	-314.66	68.62	72.38	-0.27	-4.70	-0.52	-4.45	1.02
		14	2161.22	82.13	-319.20	-305.69	68.62	72.38	12.05	2.65	3.68	11.03	2.94
		948	2120.29	51.76	-356.56	-327.97	23.17	104.19	3.64	-9.83	-7.27	1.08	-5.29
820	1	929	6125.25	50.39	-1101.76	-1097.21	45.84	72.23	-10.46	-39.53	-23.39	-26.61	-14.45

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		930	4705.98	95.06	-1075.00	-1073.72	93.78	38.67	-4.38	-11.10	-4.95	-10.54	-1.86
		948	5635.84	95.05	-1082.98	-1081.71	93.78	38.67	18.46	0.85	1.00	18.31	1.63
		947	6440.37	50.35	-1109.72	-1105.20	45.84	72.23	7.12	-22.32	-17.44	2.24	-10.95
820	2	929	7006.38	61.05	-1221.49	-1211.76	51.32	111.29	-15.92	-51.79	-29.66	-38.06	-17.44
		930	5529.23	117.43	-1184.58	-1181.08	113.93	67.46	-4.03	-14.61	-4.11	-14.54	-0.90
		948	6688.88	117.24	-1258.91	-1255.60	113.93	67.46	25.15	1.59	3.04	23.70	5.66
		947	7492.50	60.51	-1295.47	-1286.28	51.32	111.29	4.55	-26.89	-22.52	0.18	-10.88
820	3	929	6097.18	47.68	-1079.72	-1075.11	43.07	71.92	-11.27	-42.68	-23.87	-30.08	-15.39
		930	4826.79	92.37	-1052.86	-1051.58	91.09	38.31	-4.23	-14.30	-5.05	-13.49	-2.75
		948	5420.62	92.34	-1082.33	-1081.08	91.09	38.31	15.28	0.64	0.73	15.19	1.12
		947	6334.71	47.56	-1109.10	-1104.61	43.07	71.92	4.48	-23.97	-18.09	-1.40	-11.52
820	4	929	6195.91	43.74	-1096.35	-1092.93	40.32	62.34	-11.05	-42.68	-23.93	-29.80	-15.54
		930	4841.40	88.86	-1070.22	-1069.50	88.14	28.86	-4.06	-13.81	-5.00	-12.87	-2.88
		948	5513.87	88.84	-1100.57	-1099.86	88.14	28.86	15.78	0.62	0.73	15.67	1.27
		947	6429.33	43.65	-1126.63	-1123.30	40.32	62.34	4.46	-23.93	-18.20	-1.26	-11.39
820	5	929	6240.68	45.95	-1107.31	-1103.38	42.02	67.20	-11.31	-42.17	-24.29	-29.19	-15.23
		930	4821.33	88.62	-1082.14	-1081.07	87.55	35.34	-4.13	-12.28	-4.69	-11.72	-2.06
		948	5665.95	88.60	-1099.10	-1098.05	87.55	35.34	18.79	1.13	1.39	18.53	2.13
		947	6515.43	45.89	-1124.23	-1120.36	42.02	67.20	6.09	-23.23	-18.21	1.07	-11.04
820	6	929	6177.06	44.49	-1109.33	-1105.51	40.67	66.28	-10.48	-39.84	-23.49	-26.83	-14.58
		930	4720.98	86.77	-1084.45	-1083.42	85.74	34.73	-4.30	-11.13	-4.91	-10.52	-1.94
		948	5650.02	86.76	-1091.98	-1090.96	85.74	34.73	18.59	0.87	1.03	18.42	1.71
		947	6470.97	44.46	-1116.84	-1113.04	40.67	66.28	6.98	-22.41	-17.54	2.11	-10.93
820	7	929	6044.65	42.59	-1077.51	-1074.13	39.20	61.45	-10.30	-40.20	-23.07	-27.43	-14.79
		930	4668.77	85.20	-1052.76	-1051.98	84.42	29.80	-4.04	-12.30	-4.89	-11.45	-2.52
		948	5442.06	85.18	-1071.66	-1070.89	84.42	29.80	16.54	0.69	0.78	16.45	1.14
		947	6308.44	42.53	-1096.37	-1093.04	39.20	61.45	5.81	-22.74	-17.40	0.47	-11.13
820	8	929	4693.90	36.91	-831.20	-827.56	33.27	56.12	-8.74	-32.95	-18.41	-23.28	-11.86
		930	3722.70	71.45	-810.39	-809.36	70.42	30.11	-3.28	-11.09	-3.89	-10.48	-2.10
		948	4168.40	71.43	-832.55	-831.55	70.42	30.11	11.73	0.50	0.57	11.66	0.88
		947	4872.51	36.82	-853.31	-849.76	33.27	56.12	3.40	-18.49	-13.95	-1.14	-8.87
820	9	929	4338.59	34.79	-778.39	-775.34	31.74	49.72	-7.42	-28.27	-16.58	-19.11	-10.35
		930	3340.46	66.24	-759.67	-758.84	65.41	26.16	-3.05	-8.15	-3.51	-7.69	-1.46
		948	3972.59	66.23	-768.49	-767.67	65.41	26.16	12.73	0.57	0.66	12.64	1.06
		947	4556.69	34.76	-787.18	-784.16	31.74	49.72	4.79	-15.97	-12.41	1.22	-7.83
820	10	929	4323.51	33.29	-766.15	-763.06	30.20	49.55	-7.87	-30.02	-16.85	-21.04	-10.88
		930	3407.59	64.74	-747.38	-746.55	63.91	25.95	-2.97	-9.93	-3.57	-9.33	-1.95
		948	3853.51	64.72	-768.13	-767.32	63.91	25.95	10.97	0.45	0.51	10.91	0.78
		947	4498.53	33.21	-786.84	-783.84	30.20	49.55	3.32	-16.89	-12.77	-0.80	-8.15
820	11	929	4367.63	31.52	-782.60	-779.95	28.87	46.41	-7.43	-28.44	-16.64	-19.23	-10.43
		930	3348.65	61.63	-764.93	-764.23	60.94	23.96	-3.01	-8.16	-3.49	-7.68	-1.50
		948	3980.61	61.63	-773.50	-772.81	60.94	23.96	12.80	0.58	0.68	12.70	1.10
		947	4573.88	31.50	-791.15	-788.52	28.87	46.41	4.71	-16.03	-12.46	1.15	-7.82
821	1	928	8268.45	38.88	-1562.20	-1562.20	38.88	-0.19	-8.40	-39.35	-25.22	-22.53	-15.42
		929	7039.71	71.92	-1546.50	-1546.17	71.59	-23.09	-4.80	-17.14	-11.36	-10.58	-6.16
		947	7860.02	71.91	-1595.56	-1595.24	71.59	-23.09	11.68	-7.78	-7.12	11.03	-3.51
		946	8754.80	38.88	-1611.27	-1611.27	38.88	-0.19	5.29	-27.19	-20.98	-0.92	-12.77
821	2	928	9578.55	60.29	-1769.23	-1768.60	59.66	33.98	-16.79	-55.70	-33.90	-38.59	-19.31
		929	7560.72	97.42	-1750.14	-1750.11	97.39	7.57	-8.76	-21.00	-11.52	-18.24	-5.11
		947	9097.00	97.42	-1861.46	-1861.43	97.39	7.57	16.13	-5.50	-5.48	16.11	0.60
		946	1.031e+04	60.25	-1880.52	-1879.92	59.66	33.98	1.96	-34.06	-27.86	-4.24	-13.60
821	3	928	8189.68	37.24	-1547.60	-1547.60	37.24	1.34	-9.72	-41.72	-25.59	-25.85	-16.00
		929	6918.82	72.78	-1530.69	-1530.35	72.44	-23.30	-5.75	-19.84	-11.77	-13.83	-6.97
		947	7741.78	72.76	-1606.18	-1605.86	72.44	-23.30	7.91	-8.92	-7.86	6.85	-4.09
		946	8682.37	37.24	-1623.11	-1623.11	37.24	1.34	2.08	-28.94	-21.69	-5.17	-13.13
821	4	928	8266.67	40.72	-1562.47	-1562.44	40.69	-6.80	-9.61	-41.53	-25.55	-25.58	-15.96
		929	7008.91	73.92	-1546.97	-1546.43	73.37	-29.68	-5.66	-19.76	-11.85	-13.58	-7.00
		947	7804.59	73.89	-1618.39	-1617.87	73.37	-29.68	7.86	-9.03	-7.98	6.80	-4.08
		946	8739.97	40.72	-1633.91	-1633.88	40.69	-6.80	1.99	-28.87	-21.69	-5.20	-13.04
821	5	928	8348.91	42.52	-1569.42	-1569.41	42.51	-4.08	-9.81	-41.94	-26.18	-25.57	-16.06
		929	6996.52	73.28	-1554.92	-1554.53	72.88	-25.35	-5.59	-18.14	-11.25	-12.47	-6.24
		947	7870.88	73.26	-1611.05	-1610.67	72.88	-25.35	11.15	-7.40	-6.87	10.62	-3.09
		946	8833.22	42.52	-1625.56	-1625.55	42.51	-4.08	3.98	-28.26	-21.80	-2.47	-12.90
821	6	928	8302.41	40.44	-1568.39	-1568.38	40.42	-5.12	-8.47	-39.44	-25.24	-22.68	-15.44
		929	7069.46	70.91	-1554.07	-1553.65	70.48	-26.17	-4.85	-17.25	-11.39	-10.71	-6.19
		947	7871.14	70.89	-1600.55	-1600.14	70.48	-26.17	11.50	-7.83	-7.17	10.84	-3.52
		946	8772.71	40.44	-1614.89	-1614.87	40.42	-5.12	5.11	-27.25	-21.01	-1.13	-12.76
821	7	928	8102.34	38.91	-1530.50	-1530.47	38.88	-7.20	-8.49	-39.30	-24.68	-23.11	-15.39
		929	6895.84	70.62	-1515.71	-1515.18	70.08	-29.04	-4.92	-18.13	-11.38	-11.67	-6.60
		947	7683.64	70.60	-1576.58	-1576.07	70.08	-29.04	9.51	-8.44	-7.49	8.56	-4.01
		946	8582.96	38.91	-1591.39	-1591.36	38.88	-7.20	3.78	-27.46	-20.80	-2.88	-12.80
821	8	928	6306.83	28.21	-1192.04	-1192.04	28.21	1.68	-7.55	-32.23	-19.74	-20.04	-12.34

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		929	5324.58	55.86	-1178.86	-1178.61	55.62	-17.51	-4.48	-15.33	-9.06	-10.74	-5.36
		947	5957.04	55.85	-1236.65	-1236.41	55.62	-17.51	6.05	-6.86	-6.05	5.24	-3.13
		946	6682.94	28.21	-1249.84	-1249.84	28.21	1.68	1.53	-22.32	-16.73	-4.06	-10.11
821	9	928	5848.05	27.94	-1104.66	-1104.65	27.94	-1.16	-6.01	-28.01	-17.85	-16.17	-10.97
		929	4977.65	51.21	-1093.64	-1093.38	50.95	-17.27	-3.45	-12.40	-8.09	-7.76	-4.47
		947	5558.84	51.20	-1131.90	-1131.65	50.95	-17.27	7.86	-5.67	-5.15	7.34	-2.59
		946	6196.56	27.94	-1142.92	-1142.92	27.94	-1.16	3.44	-19.41	-14.90	-1.07	-9.09
821	10	928	5804.27	27.02	-1096.54	-1096.54	27.02	-0.31	-6.74	-29.33	-18.06	-18.02	-11.29
		929	4910.77	51.68	-1084.85	-1084.59	51.42	-17.39	-3.98	-13.90	-8.32	-9.57	-4.92
		947	5493.74	51.67	-1137.80	-1137.55	51.42	-17.39	5.77	-6.31	-5.56	5.02	-2.92
		946	6156.57	27.02	-1149.50	-1149.50	27.02	-0.31	1.66	-20.39	-15.30	-3.43	-9.29
821	11	928	5866.96	28.81	-1108.10	-1108.09	28.79	-3.90	-6.05	-28.06	-17.86	-16.25	-10.98
		929	4994.26	50.65	-1097.85	-1097.53	50.33	-18.98	-3.48	-12.46	-8.11	-7.83	-4.49
		947	5565.15	50.64	-1134.67	-1134.37	50.33	-18.98	7.76	-5.69	-5.17	7.23	-2.60
		946	6206.58	28.81	-1144.94	-1144.93	28.79	-3.90	3.34	-19.44	-14.92	-1.18	-9.09
822	1	927	9697.09	43.24	-1880.85	-1879.85	42.24	-43.88	-5.35	-36.62	-25.02	-16.94	-15.11
		928	8987.04	64.99	-1871.34	-1869.57	63.21	-58.57	-3.01	-23.39	-16.70	-9.69	-9.57
		946	9499.68	64.94	-1924.18	-1922.46	63.21	-58.57	6.21	-17.25	-14.19	3.16	-7.90
		945	1.011e+04	43.21	-1933.71	-1932.74	42.24	-43.88	2.98	-29.60	-22.52	-4.09	-13.44
822	2	927	1.157e+04	57.03	-2203.13	-2202.92	56.82	-21.86	-16.68	-57.83	-36.44	-38.07	-20.56
		928	9890.87	88.98	-2188.42	-2187.58	88.13	-43.78	-10.55	-27.99	-17.76	-20.78	-8.59
		946	1.097e+04	88.95	-2265.68	-2264.87	88.13	-43.78	9.96	-12.98	-12.39	9.36	-3.63
		945	1.216e+04	57.03	-2280.41	-2280.21	56.82	-21.86	-0.07	-38.93	-31.07	-7.92	-15.60
822	3	927	9587.51	42.17	-1872.62	-1871.77	41.32	-40.26	-7.18	-38.19	-25.30	-20.07	-15.28
		928	8895.50	66.30	-1862.01	-1860.35	64.64	-56.58	-4.89	-25.67	-17.36	-13.20	-10.18
		946	9448.42	66.23	-1942.32	-1940.73	64.64	-56.58	2.35	-19.38	-15.27	-1.76	-8.51
		945	1.005e+04	42.14	-1952.97	-1952.15	41.32	-40.26	-0.47	-31.36	-23.21	-8.62	-13.61
822	4	927	9657.72	47.37	-1885.07	-1883.84	46.14	-48.75	-7.15	-38.08	-25.29	-19.94	-15.23
		928	8973.03	70.20	-1875.20	-1873.09	68.08	-64.11	-4.87	-25.67	-17.44	-13.11	-10.17
		946	9498.83	70.12	-1950.35	-1948.31	68.08	-64.11	2.25	-19.45	-15.36	-1.84	-8.49
		945	1.010e+04	47.32	-1960.25	-1959.07	46.14	-48.75	-0.57	-31.32	-23.22	-8.68	-13.55
822	5	927	9750.37	48.95	-1888.48	-1887.29	47.76	-48.01	-7.24	-39.11	-26.06	-20.30	-15.67
		928	8933.30	69.76	-1879.45	-1877.48	67.79	-62.03	-4.49	-24.19	-16.66	-12.02	-9.57
		946	9505.11	69.70	-1939.12	-1937.20	67.79	-62.03	5.36	-16.90	-13.99	2.46	-7.50
		945	1.019e+04	48.91	-1948.17	-1947.02	47.76	-48.01	1.58	-30.79	-23.39	-5.82	-13.59
822	6	927	9722.58	46.75	-1885.23	-1883.99	45.51	-48.90	-5.45	-36.68	-25.03	-17.10	-15.11
		928	9012.43	67.35	-1876.31	-1874.28	65.32	-62.77	-3.11	-23.49	-16.74	-9.87	-9.59
		946	9508.52	67.30	-1926.20	-1924.22	65.32	-62.77	6.00	-17.34	-14.24	2.91	-7.91
		945	1.012e+04	46.72	-1935.13	-1933.92	45.51	-48.90	2.79	-29.66	-22.53	-4.33	-13.43
822	7	927	9484.70	44.92	-1844.17	-1842.91	43.67	-48.65	-5.67	-36.14	-24.42	-17.40	-14.82
		928	8817.97	67.01	-1834.64	-1832.52	64.88	-63.50	-3.52	-23.99	-16.71	-10.81	-9.80
		946	9334.39	66.94	-1900.79	-1898.74	64.88	-63.50	4.23	-18.23	-14.58	0.57	-8.29
		945	9914.80	44.88	-1910.35	-1909.13	43.67	-48.65	1.45	-29.75	-22.29	-6.02	-13.31
822	8	927	7382.94	31.89	-1442.66	-1442.04	31.27	-30.29	-5.61	-29.50	-19.52	-15.59	-11.78
		928	6847.85	50.61	-1434.41	-1433.17	49.37	-42.96	-3.84	-19.82	-13.38	-10.28	-7.84
		946	7272.03	50.56	-1495.92	-1494.72	49.37	-42.96	1.74	-14.93	-11.76	-1.42	-6.54
		945	7736.47	31.86	-1504.19	-1503.59	31.27	-30.29	-0.44	-24.20	-17.90	-6.74	-10.48
822	9	927	6856.42	31.32	-1330.61	-1329.86	30.57	-31.90	-3.89	-25.99	-17.70	-12.18	-10.70
		928	6359.23	46.82	-1323.85	-1322.54	45.51	-42.37	-2.26	-16.77	-11.89	-7.14	-6.86
		946	6728.02	46.79	-1364.99	-1363.71	45.51	-42.37	4.00	-12.47	-10.18	1.71	-5.70
		945	7155.00	31.30	-1371.76	-1371.04	30.57	-31.90	1.79	-21.10	-15.99	-3.32	-9.54
822	10	927	6795.40	30.72	-1326.03	-1325.38	30.06	-29.89	-4.91	-26.86	-17.85	-13.91	-10.79
		928	6308.45	47.55	-1318.66	-1317.42	46.31	-41.26	-3.31	-18.04	-12.26	-9.09	-7.20
		946	6700.00	47.50	-1375.06	-1373.86	46.31	-41.26	1.86	-13.66	-10.78	-1.02	-6.03
		945	7123.50	30.69	-1382.46	-1381.82	30.06	-29.89	-0.13	-22.09	-16.38	-5.84	-9.63
822	11	927	6870.60	33.27	-1333.05	-1332.17	32.39	-34.69	-3.95	-26.02	-17.70	-12.26	-10.70
		928	6373.38	48.14	-1326.61	-1325.16	46.69	-44.70	-2.32	-16.83	-11.91	-7.24	-6.87
		946	6733.03	48.10	-1366.11	-1364.69	46.69	-44.70	3.88	-12.52	-10.21	1.58	-5.70
		945	7160.77	33.25	-1372.55	-1371.70	32.39	-34.69	1.69	-21.14	-16.00	-3.45	-9.53
823	1	926	1.035e+04	50.06	-2037.21	-2034.22	47.08	-78.88	-2.10	-32.26	-23.20	-11.16	-13.83
		927	1.011e+04	47.74	-2038.18	-2035.31	44.87	-77.33	-1.13	-27.71	-20.33	-8.51	-11.90
		945	1.034e+04	47.68	-2076.95	-2074.13	44.87	-77.33	1.83	-25.34	-19.44	-4.07	-11.21
		944	1.057e+04	50.01	-2075.98	-2073.05	47.08	-78.88	0.75	-29.79	-22.31	-6.72	-13.13
823	2	926	1.290e+04	110.64	-2494.04	-2489.97	106.57	-102.81	-14.56	-55.54	-35.82	-34.29	-20.48
		927	1.172e+04	69.50	-2511.41	-2509.21	67.30	-75.32	-10.89	-34.15	-23.22	-21.82	-11.61
		945	1.202e+04	69.53	-2482.53	-2480.31	67.30	-75.32	3.97	-21.30	-18.36	1.02	-8.11
		944	1.298e+04	110.68	-2465.18	-2461.07	106.57	-102.81	-1.62	-40.78	-30.96	-11.44	-16.98
823	3	926	1.023e+04	49.16	-2034.59	-2032.00	46.57	-73.44	-4.30	-33.14	-23.43	-14.01	-13.63
		927	1.004e+04	48.97	-2034.67	-2032.09	46.39	-73.31	-3.57	-29.68	-21.15	-12.10	-12.25
		945	1.034e+04	48.89	-2100.22	-2097.72	46.39	-73.31	-1.87	-28.05	-20.69	-9.23	-11.77
		944	1.053e+04	49.08	-2100.14	-2097.63	46.57	-73.44	-2.63	-31.47	-22.97	-11.13	-13.15
823	4	926	1.030e+04	54.66	-2045.34	-2042.02	51.35	-83.40	-4.33	-33.12	-23.45	-14.00	-13.60

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		927	1.010e+04	52.98	-2046.04	-2042.80	49.75	-82.28	-3.60	-29.69	-21.20	-12.10	-12.22
		945	1.038e+04	52.89	-2105.85	-2102.71	49.75	-82.28	-1.95	-28.07	-20.74	-9.28	-11.73
		944	1.057e+04	54.57	-2105.16	-2101.93	51.35	-83.40	-2.71	-31.46	-22.99	-11.18	-13.11
823	5	926	1.039e+04	56.06	-2045.69	-2042.31	52.68	-84.22	-4.35	-34.54	-24.26	-14.63	-14.31
		927	1.005e+04	52.82	-2047.03	-2043.82	49.61	-82.07	-3.00	-28.39	-20.32	-11.06	-11.82
		945	1.035e+04	52.75	-2091.72	-2088.58	49.61	-82.07	0.94	-25.05	-19.25	-4.86	-10.82
		944	1.066e+04	55.99	-2090.38	-2087.07	52.68	-84.22	-0.58	-31.03	-23.19	-8.42	-13.31
823	6	926	1.037e+04	53.81	-2040.18	-2036.74	50.37	-84.78	-2.24	-32.31	-23.21	-11.34	-13.82
		927	1.013e+04	50.52	-2041.53	-2038.26	47.25	-82.60	-1.27	-27.78	-20.35	-8.70	-11.91
		945	1.035e+04	50.46	-2077.31	-2074.10	47.25	-82.60	1.64	-25.43	-19.47	-4.31	-11.21
		944	1.058e+04	53.75	-2075.96	-2072.58	50.37	-84.78	0.57	-29.85	-22.33	-6.95	-13.12
823	7	926	1.012e+04	51.67	-1999.29	-1995.97	48.34	-82.48	-2.60	-31.50	-22.61	-11.49	-13.34
		927	9923.79	50.10	-1999.93	-1996.69	46.86	-81.44	-1.87	-27.99	-20.31	-9.55	-11.90
		945	1.019e+04	50.02	-2052.73	-2049.57	46.86	-81.44	0.09	-26.36	-19.78	-6.49	-11.43
		944	1.038e+04	51.58	-2052.08	-2048.84	48.34	-82.48	-0.69	-29.82	-22.08	-8.43	-12.87
823	8	926	7878.72	37.30	-1567.48	-1565.54	35.37	-55.68	-3.40	-25.60	-18.07	-10.92	-10.51
		927	7725.85	37.27	-1567.49	-1565.56	35.34	-55.66	-2.83	-22.91	-16.30	-9.44	-9.44
		945	7962.21	37.21	-1617.69	-1615.82	35.34	-55.66	-1.51	-21.63	-15.95	-7.19	-9.06
		944	8109.74	37.25	-1617.68	-1615.81	35.37	-55.68	-2.10	-24.29	-17.71	-8.68	-10.13
823	9	926	7319.52	36.14	-1441.87	-1439.70	33.96	-56.66	-1.62	-22.83	-16.40	-8.04	-9.74
		927	7154.79	34.60	-1442.51	-1440.41	32.50	-55.64	-0.97	-19.79	-14.47	-6.29	-8.47
		945	7329.58	34.56	-1473.57	-1471.51	32.50	-55.64	0.93	-18.24	-13.91	-3.40	-8.02
		944	7486.61	36.09	-1472.93	-1470.79	33.96	-56.66	0.22	-21.22	-15.84	-5.15	-9.29
823	10	926	7253.46	35.63	-1440.42	-1438.46	33.68	-53.64	-2.84	-23.31	-16.53	-9.62	-9.63
		927	7114.71	35.28	-1440.56	-1438.63	33.35	-53.41	-2.33	-20.88	-14.93	-8.29	-8.66
		945	7331.45	35.23	-1486.49	-1484.61	33.35	-53.41	-1.12	-19.75	-14.61	-6.27	-8.33
		944	7465.50	35.57	-1486.34	-1484.45	33.68	-53.64	-1.65	-22.15	-16.21	-7.60	-9.30
823	11	926	7330.44	38.22	-1443.52	-1441.10	35.79	-59.94	-1.69	-22.86	-16.41	-8.14	-9.74
		927	7165.39	36.15	-1444.38	-1442.06	33.83	-58.57	-1.05	-19.83	-14.49	-6.40	-8.47
		945	7332.72	36.10	-1473.77	-1471.50	33.83	-58.57	0.82	-18.29	-13.93	-3.54	-8.02
		944	7490.23	38.17	-1472.92	-1470.53	35.79	-59.94	0.12	-21.25	-15.85	-5.28	-9.29
824	1	925	1.019e+04	54.38	-2028.84	-2023.71	49.24	-103.28	1.26	-26.18	-19.73	-5.19	-11.64
		926	1.038e+04	30.98	-2038.23	-2034.49	27.24	-87.88	0.65	-29.80	-22.15	-6.99	-13.20
		944	1.036e+04	30.95	-2051.80	-2048.09	27.24	-87.88	-1.92	-31.45	-22.79	-10.58	-13.44
		943	1.016e+04	54.34	-2042.40	-2037.30	49.24	-103.28	-1.36	-27.79	-20.36	-8.79	-11.88
824	2	925	1.233e+04	93.40	-2456.66	-2447.32	84.07	-154.00	-8.87	-43.54	-28.68	-23.72	-17.16
		926	1.212e+04	54.74	-2471.51	-2464.92	48.15	-128.86	-7.59	-39.13	-26.36	-20.36	-15.48
		944	1.200e+04	54.89	-2416.42	-2409.68	48.15	-128.86	-3.25	-33.84	-24.86	-12.23	-13.93
		943	1.220e+04	93.61	-2401.62	-2392.08	84.07	-154.00	-4.74	-38.04	-27.18	-15.60	-15.61
824	3	925	1.008e+04	53.63	-2031.20	-2026.74	49.17	-96.36	-1.07	-26.48	-19.92	-7.63	-11.12
		926	1.033e+04	31.98	-2040.01	-2036.76	28.72	-82.04	-2.06	-31.42	-23.05	-10.43	-13.26
		944	1.040e+04	31.92	-2078.21	-2075.02	28.72	-82.04	-5.23	-34.35	-24.08	-15.50	-13.91
		943	1.015e+04	53.55	-2069.38	-2065.00	49.17	-96.36	-4.35	-29.31	-20.95	-12.71	-11.78
824	4	925	1.015e+04	59.35	-2041.81	-2036.23	53.77	-108.13	-1.16	-26.54	-19.98	-7.73	-11.12
		926	1.039e+04	36.03	-2051.09	-2046.95	31.90	-92.82	-2.14	-31.43	-23.08	-10.48	-13.22
		944	1.044e+04	35.97	-2081.99	-2077.92	31.90	-92.82	-5.28	-34.31	-24.09	-15.50	-13.86
		943	1.018e+04	59.27	-2072.70	-2067.20	53.77	-108.13	-4.41	-29.32	-20.99	-12.74	-11.76
824	5	925	1.022e+04	60.47	-2039.43	-2033.62	54.67	-110.26	-1.18	-28.19	-20.79	-8.59	-12.05
		926	1.033e+04	35.91	-2049.16	-2044.90	31.65	-94.15	-1.40	-30.36	-22.17	-9.58	-13.04
		944	1.036e+04	35.88	-2065.86	-2061.64	31.65	-94.15	-2.69	-31.20	-22.60	-11.29	-13.08
		943	1.026e+04	60.43	-2056.12	-2050.36	54.67	-110.26	-2.48	-29.02	-21.21	-10.29	-12.09
824	6	925	1.021e+04	58.10	-2031.45	-2025.62	52.26	-110.24	1.08	-26.25	-19.76	-5.41	-11.63
		926	1.040e+04	33.77	-2041.08	-2036.79	29.48	-94.29	0.48	-29.85	-22.17	-7.20	-13.19
		944	1.036e+04	33.75	-2051.13	-2046.86	29.48	-94.29	-2.07	-31.51	-22.80	-10.78	-13.43
		943	1.017e+04	58.07	-2041.50	-2035.69	52.26	-110.24	-1.52	-27.86	-20.39	-8.99	-11.87
824	7	925	9978.25	55.89	-1994.05	-1988.53	50.37	-106.24	0.67	-25.29	-19.21	-5.41	-11.00
		926	1.020e+04	33.42	-2002.97	-1998.85	29.30	-91.49	-0.22	-29.79	-22.11	-7.90	-12.97
		944	1.023e+04	33.37	-2029.51	-2025.44	29.30	-91.49	-3.37	-32.29	-23.06	-12.61	-13.48
		943	9990.96	55.82	-2020.57	-2015.12	50.37	-106.24	-2.59	-27.70	-20.15	-10.13	-11.51
824	8	925	7760.81	40.81	-1564.68	-1561.34	37.47	-73.16	-0.92	-20.46	-15.37	-6.01	-8.58
		926	7948.32	24.23	-1571.45	-1569.02	21.80	-62.19	-1.67	-24.25	-17.77	-8.16	-10.21
		944	8008.81	24.18	-1600.83	-1598.45	21.80	-62.19	-4.10	-26.50	-18.56	-12.04	-10.72
		943	7810.93	40.75	-1594.05	-1590.77	37.47	-73.16	-3.42	-22.63	-16.16	-9.89	-9.08
824	9	925	7210.09	39.14	-1436.79	-1433.07	35.42	-73.99	0.75	-18.47	-13.95	-3.77	-8.16
		926	7351.91	22.65	-1443.39	-1440.66	19.93	-63.14	0.27	-21.22	-15.77	-5.18	-9.35
		944	7344.98	22.63	-1456.04	-1453.34	19.93	-63.14	-1.68	-22.56	-16.28	-7.96	-9.58
		943	7197.40	39.11	-1449.43	-1445.74	35.42	-73.99	-1.24	-19.77	-14.46	-6.55	-8.38
824	10	925	7148.33	38.72	-1438.09	-1434.75	35.38	-70.14	-0.54	-18.64	-14.05	-5.13	-7.87
		926	7320.62	23.20	-1444.37	-1441.92	20.76	-59.90	-1.24	-22.12	-16.27	-7.10	-9.38
		944	7371.49	23.16	-1470.70	-1468.30	20.76	-59.90	-3.52	-24.18	-17.00	-10.70	-9.84
		943	7189.56	38.66	-1464.41	-1461.13	35.38	-70.14	-2.89	-20.61	-14.78	-8.73	-8.33
824	11	925	7220.29	41.21	-1438.24	-1434.13	37.10	-77.85	0.65	-18.51	-13.96	-3.89	-8.15

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		926	7361.03	24.21	-1444.97	-1441.94	21.18	-66.70	0.17	-21.25	-15.78	-5.30	-9.34
		944	7347.48	24.19	-1455.67	-1452.66	21.18	-66.70	-1.76	-22.59	-16.29	-8.07	-9.57
		943	7200.93	41.18	-1448.93	-1444.85	37.10	-77.85	-1.32	-19.81	-14.48	-6.66	-8.38
825	1	924	9174.94	41.95	-1853.97	-1847.58	35.56	-109.89	4.99	-18.12	-14.46	1.32	-8.45
		925	9791.69	9.47	-1866.63	-1862.43	5.27	-88.68	2.42	-29.66	-22.24	-5.00	-13.53
		943	9565.07	9.49	-1855.30	-1851.08	5.27	-88.68	-5.31	-35.80	-24.40	-16.71	-14.76
		942	8867.56	41.99	-1842.66	-1836.23	35.56	-109.89	-3.34	-23.67	-16.62	-10.39	-9.68
825	2	924	1.054e+04	65.08	-2150.84	-2140.09	54.33	-153.96	-3.76	-30.34	-20.65	-13.45	-12.79
		925	1.100e+04	24.23	-2165.97	-2158.50	16.77	-127.67	-4.87	-38.28	-25.79	-17.37	-16.17
		943	1.082e+04	24.38	-2122.96	-2115.34	16.77	-127.67	-7.30	-41.17	-26.80	-21.66	-16.74
		942	1.035e+04	65.29	-2107.90	-2096.93	54.33	-153.96	-6.20	-33.21	-21.66	-17.75	-13.36
825	3	924	9089.93	42.50	-1860.71	-1855.21	37.00	-102.14	2.88	-17.94	-14.57	-0.48	-7.66
		925	9755.42	10.60	-1873.37	-1869.87	7.10	-81.21	-0.27	-30.88	-23.14	-8.02	-13.31
		943	9651.66	10.59	-1882.90	-1879.41	7.10	-81.21	-8.03	-38.64	-25.64	-21.03	-15.13
		942	8881.01	42.47	-1870.23	-1864.76	37.00	-102.14	-5.63	-24.94	-17.07	-13.49	-9.49
825	4	924	9160.57	47.05	-1872.99	-1865.99	40.05	-115.70	2.73	-18.08	-14.68	-0.68	-7.70
		925	9823.75	14.15	-1885.67	-1880.98	9.46	-94.29	-0.39	-30.89	-23.16	-8.12	-13.27
		943	9681.82	14.15	-1884.35	-1879.65	9.46	-94.29	-8.03	-38.53	-25.61	-20.94	-15.07
		942	8915.50	47.06	-1871.66	-1864.66	40.05	-115.70	-5.64	-24.98	-17.13	-13.50	-9.50
825	5	924	9208.65	47.48	-1868.04	-1860.64	40.08	-118.81	2.52	-19.76	-15.45	-1.79	-8.80
		925	9577.28	13.83	-1880.91	-1875.94	8.85	-96.96	0.38	-30.10	-22.27	-7.45	-13.31
		943	9577.87	13.87	-1867.20	-1862.19	8.85	-96.96	-5.84	-35.57	-24.19	-17.22	-14.45
		942	8967.93	47.53	-1854.34	-1846.89	40.08	-118.81	-4.11	-24.82	-17.37	-11.56	-9.94
825	6	924	9196.52	45.17	-1857.60	-1850.28	37.85	-117.83	4.77	-18.22	-14.52	1.06	-8.45
		925	9810.78	12.09	-1870.26	-1865.32	7.15	-96.34	2.22	-29.69	-22.24	-5.23	-13.50
		943	9569.25	12.13	-1853.64	-1848.65	7.15	-96.34	-5.40	-35.81	-24.39	-16.82	-14.73
		942	8875.03	45.24	-1841.00	-1833.61	37.85	-117.83	-3.44	-23.76	-16.66	-10.53	-9.68
825	7	924	9005.97	43.72	-1826.85	-1820.01	36.88	-112.88	4.44	-17.29	-14.07	1.22	-7.72
		925	9639.45	12.03	-1839.05	-1834.44	7.42	-92.26	1.52	-29.41	-22.18	-5.71	-13.09
		943	9466.03	12.04	-1836.82	-1832.20	7.42	-92.26	-6.40	-36.33	-24.57	-18.16	-14.62
		942	8737.58	43.73	-1824.61	-1817.77	36.88	-112.88	-4.23	-23.46	-16.45	-11.23	-9.25
825	8	924	6995.65	32.46	-1432.98	-1428.87	28.35	-77.48	2.13	-13.86	-11.24	-0.48	-5.91
		925	7508.21	7.88	-1442.77	-1440.17	5.28	-61.34	-0.30	-23.83	-17.84	-6.29	-10.25
		943	7431.17	7.87	-1450.50	-1447.92	5.28	-61.34	-6.24	-29.82	-19.76	-16.30	-11.66
		942	6837.63	32.44	-1440.70	-1436.62	28.35	-77.48	-4.39	-19.27	-13.16	-10.49	-7.32
825	9	924	6495.54	30.23	-1314.06	-1309.43	25.60	-78.75	3.42	-12.74	-10.22	0.89	-5.87
		925	6938.38	7.30	-1322.97	-1319.90	4.23	-63.79	1.52	-21.08	-15.83	-3.73	-9.54
		943	6788.46	7.31	-1316.91	-1313.83	4.23	-63.79	-4.01	-25.61	-17.41	-12.21	-10.48
		942	6285.39	30.25	-1308.01	-1303.36	25.60	-78.75	-2.57	-16.82	-11.80	-7.59	-6.81
825	10	924	6448.20	30.52	-1317.80	-1313.67	26.40	-74.44	2.25	-12.64	-10.28	-0.11	-5.43
		925	6918.09	7.92	-1326.71	-1324.03	5.25	-59.64	0.02	-21.76	-16.33	-5.41	-9.42
		943	6836.61	7.91	-1332.23	-1329.57	5.25	-59.64	-5.53	-27.18	-18.10	-14.61	-10.69
		942	6292.79	30.50	-1323.31	-1319.21	26.40	-74.44	-3.84	-17.52	-12.05	-9.31	-6.70
825	11	924	6507.46	32.02	-1316.08	-1310.93	26.87	-83.16	3.29	-12.80	-10.25	0.75	-5.87
		925	6948.98	8.76	-1324.99	-1321.51	5.28	-68.05	1.41	-21.09	-15.83	-3.86	-9.53
		943	6790.80	8.78	-1315.99	-1312.48	5.28	-68.05	-4.06	-25.61	-17.40	-12.27	-10.46
		942	6289.51	32.05	-1307.09	-1301.90	26.87	-83.16	-2.63	-16.87	-11.83	-7.67	-6.81
826	1	923	7352.17	36.39	-1504.12	-1498.62	30.89	-91.90	10.22	-7.98	-7.09	9.33	-3.93
		924	8345.28	-10.34	-1522.53	-1520.04	-12.83	-61.29	4.36	-27.36	-20.74	-2.26	-12.89
		942	8092.15	-10.32	-1508.21	-1505.70	-12.83	-61.29	-8.36	-39.29	-24.65	-23.00	-15.45
		941	6781.07	36.44	-1489.83	-1484.28	30.89	-91.90	-4.72	-17.70	-10.99	-11.42	-6.49
826	2	923	8068.73	45.50	-1700.30	-1690.91	36.11	-127.68	2.48	-14.44	-10.71	-1.26	-7.02
		924	9158.59	-6.68	-1719.60	-1714.41	-11.86	-94.10	-1.78	-34.73	-23.71	-12.80	-15.54
		942	9056.26	-6.56	-1683.80	-1678.50	-11.86	-94.10	-9.98	-46.92	-27.13	-29.77	-18.43
		941	7733.09	45.70	-1664.58	-1654.99	36.11	-127.68	-6.06	-26.29	-14.13	-18.23	-9.91
826	3	923	7323.86	41.29	-1514.81	-1510.13	36.61	-85.22	9.02	-7.56	-7.03	8.50	-2.90
		924	8343.77	-7.70	-1534.58	-1532.74	-9.54	-52.91	2.01	-28.18	-21.63	-4.55	-12.44
		942	8215.80	-7.71	-1535.06	-1533.22	-9.54	-52.91	-10.38	-41.94	-25.80	-26.52	-15.78
		941	6816.83	41.29	-1515.29	-1510.61	36.61	-85.22	-6.00	-18.68	-11.21	-13.48	-6.24
826	4	923	7387.32	40.71	-1529.98	-1523.49	34.22	-100.79	8.70	-7.79	-7.22	8.13	-3.02
		924	8414.14	-8.14	-1548.85	-1545.76	-11.24	-68.97	1.83	-28.19	-21.63	-4.73	-12.41
		942	8228.56	-8.11	-1531.00	-1527.87	-11.24	-68.97	-10.26	-41.69	-25.70	-26.26	-15.71
		941	6834.47	40.79	-1512.16	-1505.59	34.22	-100.79	-5.94	-18.75	-11.29	-13.40	-6.32
826	5	923	7383.92	40.35	-1522.23	-1515.23	33.35	-104.35	7.87	-9.07	-7.94	6.74	-4.22
		924	8341.54	-8.79	-1540.99	-1537.56	-12.23	-72.45	2.50	-27.69	-20.81	-4.39	-12.67
		942	8103.69	-8.73	-1514.36	-1510.86	-12.23	-72.45	-8.58	-39.13	-24.43	-23.28	-15.26
		941	6864.27	40.47	-1495.65	-1488.53	33.35	-104.35	-5.03	-18.68	-11.56	-12.15	-6.82
826	6	923	7379.69	38.65	-1510.13	-1503.38	31.91	-101.96	9.92	-8.12	-7.20	9.00	-3.97
		924	8372.15	-9.55	-1528.60	-1525.31	-12.84	-70.63	4.12	-27.37	-20.74	-2.51	-12.84
		942	8091.96	-9.50	-1504.01	-1500.66	-12.84	-70.63	-8.34	-39.21	-24.59	-22.97	-15.41
		941	6785.88	38.76	-1485.58	-1478.73	31.91	-101.96	-4.70	-17.80	-11.05	-11.45	-6.55
826	7	923	7260.48	37.98	-1489.34	-1483.12	31.76	-97.23	9.94	-7.49	-6.88	9.33	-3.21

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		924	8243.88	-9.25	-1507.62	-1504.66	-12.20	-66.46	3.51	-26.93	-20.69	-2.73	-12.29
		942	8019.69	-9.22	-1492.92	-1489.93	-12.20	-66.46	-9.03	-39.37	-24.69	-23.71	-15.16
		941	6694.56	38.04	-1474.67	-1468.39	31.76	-97.23	-5.17	-17.36	-10.88	-11.65	-6.09
826	8	923	5634.92	32.02	-1166.62	-1162.66	28.55	-64.35	6.88	-5.82	-5.42	6.48	-2.23
		924	6420.74	-5.83	-1181.47	-1180.15	-7.15	-39.36	1.47	-21.74	-16.68	-3.60	-9.59
		942	6327.88	-5.84	-1182.88	-1181.57	-7.15	-39.36	-8.04	-32.40	-19.90	-20.54	-12.17
		941	5248.96	32.01	-1167.54	-1164.07	28.55	-64.35	-4.65	-14.45	-8.64	-10.47	-4.81
826	9	923	5213.19	26.12	-1067.54	-1063.50	22.08	-66.34	7.20	-5.58	-5.00	6.62	-2.65
		924	5919.01	-7.13	-1080.58	-1078.72	-8.99	-44.60	2.91	-19.40	-14.76	-1.73	-9.06
		942	5745.95	-7.11	-1070.53	-1068.66	-8.99	-44.60	-6.10	-28.01	-17.56	-16.55	-10.94
		941	4808.98	26.16	-1057.51	-1053.44	22.08	-66.34	-3.46	-12.55	-7.80	-8.20	-4.54
826	10	923	5197.37	28.83	-1073.46	-1069.89	25.26	-62.63	6.54	-5.35	-4.98	6.16	-2.08
		924	5918.06	-5.68	-1087.26	-1085.78	-7.16	-39.94	1.61	-19.86	-15.25	-3.00	-8.81
		942	5814.58	-5.68	-1085.43	-1083.95	-7.16	-39.94	-7.22	-29.48	-18.20	-18.50	-11.13
		941	4828.72	28.84	-1071.64	-1068.07	25.26	-62.63	-4.17	-13.09	-7.92	-9.34	-4.40
826	11	923	5228.31	27.38	-1070.88	-1066.15	22.65	-71.94	7.03	-5.66	-5.07	6.44	-2.68
		924	5933.91	-6.69	-1083.96	-1081.65	-8.99	-49.79	2.78	-19.41	-14.76	-1.87	-9.03
		942	5745.85	-6.65	-1068.20	-1065.86	-8.99	-49.79	-6.09	-27.96	-17.53	-16.53	-10.93
		941	4811.57	27.45	-1055.16	-1050.36	22.65	-71.94	-3.45	-12.60	-7.84	-8.22	-4.57
827	1	922	5058.04	41.78	-1007.07	-1004.69	39.39	-49.96	17.54	1.28	1.39	17.44	1.31
		923	6134.13	-16.22	-1032.11	-1031.99	-16.33	-10.95	6.22	-22.81	-17.50	0.91	-11.22
		941	6065.85	-16.21	-1024.68	-1024.56	-16.33	-10.95	-10.12	-40.69	-23.09	-27.71	-15.11
		940	4334.63	41.80	-999.66	-997.25	39.39	-49.96	-3.36	-12.03	-4.21	-11.19	-2.57
827	2	922	5159.60	26.52	-1117.99	-1113.20	21.73	-73.94	11.43	0.21	0.24	11.40	-0.57
		923	6622.37	-28.70	-1139.82	-1138.53	-29.99	-37.74	1.75	-28.75	-19.93	-7.07	-13.83
		941	6860.65	-28.67	-1110.09	-1108.77	-29.99	-37.74	-11.08	-49.92	-25.57	-35.43	-18.78
		940	4919.24	26.65	-1088.35	-1083.43	21.73	-73.94	-3.19	-19.17	-5.41	-16.96	-5.52
827	3	922	5142.07	50.10	-1022.02	-1019.96	48.04	-46.95	18.26	1.34	1.72	17.87	2.53
		923	6187.25	-11.72	-1049.28	-1049.25	-11.74	-5.10	4.58	-23.30	-18.35	-0.37	-10.66
		941	6213.77	-11.72	-1046.47	-1046.45	-11.74	-5.10	-11.46	-43.00	-24.15	-30.32	-15.47
		940	4507.55	50.10	-1019.22	-1017.15	48.04	-46.95	-3.48	-12.68	-4.08	-12.08	-2.28
827	4	922	5087.82	21.31	-1041.79	-1038.59	18.11	-58.24	17.05	0.98	1.26	16.77	2.10
		923	6216.29	-26.66	-1061.54	-1060.86	-27.34	-26.43	4.29	-23.24	-18.19	-0.76	-10.65
		941	6157.75	-26.64	-1025.49	-1024.79	-27.34	-26.43	-11.14	-42.09	-23.74	-29.50	-15.20
		940	4340.67	21.42	-1005.83	-1002.52	18.11	-58.24	-3.56	-12.68	-4.28	-11.97	-2.45
827	5	922	4998.14	20.60	-1031.49	-1027.87	16.99	-61.60	15.23	0.58	0.64	15.17	0.89
		923	6140.18	-27.22	-1050.85	-1049.97	-28.10	-30.04	4.72	-23.03	-17.50	-0.81	-11.08
		941	6038.89	-27.18	-1012.29	-1011.38	-28.10	-30.04	-9.98	-40.26	-22.73	-27.51	-14.95
		940	4228.90	20.74	-993.04	-989.29	16.99	-61.60	-3.49	-12.63	-4.59	-11.53	-2.97
827	6	922	5018.47	22.65	-1020.02	-1016.72	19.35	-58.58	16.60	0.96	1.02	16.53	1.00
		923	6148.34	-25.69	-1039.83	-1039.13	-26.39	-26.56	5.91	-22.77	-17.39	0.53	-11.19
		941	6018.86	-25.67	-1008.06	-1007.34	-26.39	-26.56	-9.89	-40.02	-22.78	-27.13	-14.90
		940	4211.47	22.76	-988.33	-984.93	19.35	-58.58	-3.42	-12.08	-4.37	-11.12	-2.71
827	7	922	4999.65	22.81	-1010.86	-1007.89	19.84	-55.30	17.25	1.04	1.22	17.06	1.73
		923	6076.99	-25.26	-1030.80	-1030.26	-25.80	-23.35	5.49	-22.25	-17.37	0.62	-10.56
		941	5968.92	-25.25	-1002.72	-1002.16	-25.80	-23.35	-10.31	-39.77	-22.81	-27.28	-14.56
		940	4188.09	22.89	-982.85	-979.80	19.84	-55.30	-3.51	-11.54	-4.22	-10.84	-2.27
827	8	922	3963.58	41.03	-786.01	-784.50	39.51	-35.31	14.11	1.05	1.36	13.80	1.99
		923	4763.80	-7.76	-807.67	-807.67	-7.77	-2.22	3.49	-17.99	-14.16	-0.34	-8.21
		941	4793.47	-7.76	-807.69	-807.69	-7.77	-2.22	-8.88	-33.29	-18.65	-23.51	-11.96
		940	3489.55	41.03	-786.03	-784.52	39.51	-35.31	-2.66	-9.83	-3.12	-9.37	-1.76
827	9	922	3588.24	26.45	-717.17	-715.38	24.66	-36.44	12.43	0.87	0.96	12.34	1.02
		923	4353.94	-13.07	-734.07	-733.93	-13.21	-9.93	4.27	-16.14	-12.44	0.57	-7.86
		941	4300.92	-13.07	-725.44	-725.30	-13.21	-9.93	-7.26	-28.83	-16.40	-19.68	-10.66
		940	3060.57	26.47	-708.55	-706.74	24.66	-36.44	-2.42	-8.49	-3.00	-7.91	-1.77
827	10	922	3634.53	31.06	-725.46	-723.86	29.46	-34.77	12.84	0.90	1.15	12.59	1.70
		923	4383.31	-10.60	-743.58	-743.52	-10.66	-6.68	3.36	-16.41	-12.91	-0.14	-7.54
		941	4383.02	-10.60	-737.52	-737.46	-10.66	-6.68	-8.00	-30.11	-16.98	-21.13	-10.86
		940	3156.54	31.07	-719.41	-717.80	29.46	-34.77	-2.49	-8.84	-2.92	-8.41	-1.61
827	11	922	3566.02	15.83	-724.37	-722.06	13.52	-41.23	11.91	0.70	0.76	11.84	0.85
		923	4361.74	-18.32	-738.38	-737.90	-18.80	-18.60	4.09	-16.11	-12.38	0.36	-7.84
		941	4274.83	-18.30	-716.23	-715.73	-18.80	-18.60	-7.13	-28.45	-16.22	-19.36	-10.55
		940	2992.29	15.90	-702.27	-699.90	13.52	-41.23	-2.45	-8.51	-3.08	-7.88	-1.85
828	1	9	2333.28	5.04	-382.95	-380.80	2.89	28.81	17.30	4.70	6.04	15.96	3.89
		922	2754.70	-22.33	-403.68	-396.62	-29.39	51.41	5.34	-14.40	-10.30	1.24	-8.01
		940	3150.71	-22.33	-403.29	-396.23	-29.39	51.41	-7.53	-30.24	-16.11	-21.66	-11.01
		13	1972.96	5.04	-382.56	-380.41	2.89	28.81	0.34	-7.05	0.23	-6.94	0.88
828	2	9	2068.61	-31.02	-399.21	-397.39	-32.84	25.82	16.13	6.15	7.42	14.86	3.32
		922	2946.56	-51.64	-414.13	-409.08	-56.70	42.52	3.42	-19.28	-12.14	-3.71	-10.54
		940	3958.74	-51.53	-406.70	-401.54	-56.70	42.52	-8.11	-40.65	-18.64	-30.12	-15.23
		13	2333.34	-30.98	-391.70	-389.85	-32.84	25.82	1.07	-11.69	0.92	-11.55	-1.36
828	3	9	2535.20	4.46	-397.62	-395.37	2.21	29.97	19.42	4.56	6.59	17.40	5.10

		922	2825.96	-21.65	-417.20	-410.40	-28.45	51.43	4.58	-14.50	-10.96	1.03	-7.42
		940	3268.35	-21.53	-410.69	-403.77	-28.45	51.43	-8.25	-31.68	-16.90	-23.02	-11.31
		13	2020.21	4.49	-391.03	-388.75	2.21	29.97	0.84	-6.86	0.64	-6.66	1.21
828	4	9	2370.17	-20.18	-396.45	-394.33	-22.30	28.19	18.54	4.55	6.47	16.63	4.81
		922	2753.03	-45.24	-415.35	-408.78	-51.80	48.84	4.32	-14.46	-10.79	0.65	-7.45
		940	3176.20	-44.45	-376.33	-368.98	-51.80	48.84	-7.98	-31.23	-16.53	-22.69	-11.21
		13	1830.17	-19.93	-356.90	-354.52	-22.30	28.19	0.88	-6.86	0.73	-6.71	1.05
828	5	9	2169.62	-21.45	-386.18	-384.35	-23.29	25.83	16.45	4.65	6.02	15.08	3.77
		922	2696.12	-45.38	-403.87	-398.03	-51.22	45.39	4.55	-14.63	-10.32	0.24	-8.00
		940	3127.64	-44.80	-371.76	-365.34	-51.22	45.39	-7.37	-30.58	-15.93	-22.01	-11.20
		13	1819.52	-21.27	-353.67	-351.65	-23.29	25.83	0.45	-7.21	0.41	-7.17	0.58
828	6	9	2188.08	-16.68	-383.80	-381.85	-18.63	26.72	16.40	4.62	5.86	15.16	3.61
		922	2699.53	-41.58	-402.45	-396.17	-47.86	47.19	5.06	-14.36	-10.15	0.85	-8.00
		940	3067.51	-41.04	-373.95	-367.12	-47.86	47.19	-7.28	-29.73	-15.75	-21.26	-10.88
		13	1807.52	-16.51	-354.92	-352.80	-18.63	26.72	0.33	-7.02	0.26	-6.94	0.73
828	7	9	2293.12	-14.73	-385.29	-383.20	-16.81	27.74	17.46	4.38	5.96	15.88	4.26
		922	2686.33	-40.33	-404.67	-397.99	-47.01	48.88	4.87	-13.79	-10.17	1.25	-7.37
		940	3020.32	-39.70	-373.90	-366.59	-47.01	48.88	-7.49	-29.12	-15.73	-20.88	-10.50
		13	1772.77	-14.53	-354.07	-351.79	-16.81	27.74	0.59	-6.43	0.40	-6.25	1.13
828	8	9	1965.42	5.23	-306.34	-304.61	3.49	23.18	15.05	3.53	5.11	13.47	3.96
		922	2183.31	-14.90	-321.42	-316.19	-20.14	39.72	3.52	-11.21	-8.48	0.78	-5.73
		940	2531.36	-14.85	-318.63	-313.34	-20.14	39.72	-6.39	-24.55	-13.08	-17.86	-8.76
		13	1573.86	5.25	-303.52	-301.76	3.49	23.18	0.66	-5.31	0.51	-5.16	0.93
828	9	9	1656.21	0.26	-272.96	-271.43	-1.27	20.36	12.37	3.28	4.29	11.36	2.85
		922	1948.18	-18.91	-287.48	-282.51	-23.88	36.19	3.70	-10.14	-7.32	0.88	-5.58
		940	2221.05	-18.81	-282.22	-277.15	-23.88	36.19	-5.36	-21.34	-11.41	-15.29	-7.75
		13	1370.44	0.29	-267.63	-266.07	-1.27	20.36	0.29	-4.90	0.20	-4.81	0.68
828	10	9	1768.49	-0.07	-281.11	-279.53	-1.65	21.01	13.55	3.21	4.59	12.16	3.52
		922	1987.98	-18.53	-294.99	-290.16	-23.35	36.20	3.28	-10.20	-7.68	0.76	-5.25
		940	2286.57	-18.37	-286.32	-281.34	-23.35	36.20	-5.76	-22.14	-11.85	-16.05	-7.92
		13	1396.94	-0.02	-272.34	-270.70	-1.65	21.01	0.57	-4.80	0.43	-4.66	0.86
828	11	9	1575.51	-11.81	-273.43	-272.01	-13.23	19.21	11.87	3.24	4.19	10.92	2.70
		922	1917.34	-29.60	-286.79	-282.26	-34.14	33.84	3.54	-10.12	-7.23	0.66	-5.57
		940	2174.97	-29.19	-265.92	-260.98	-34.14	33.84	-5.22	-21.06	-11.21	-15.07	-7.68
		13	1278.60	-11.68	-252.28	-250.73	-13.23	19.21	0.28	-4.88	0.21	-4.81	0.59
829	1	912	3107.27	65.10	-494.14	-476.45	47.42	97.86	-8.10	-24.78	-16.31	-16.57	-8.34
		6	2247.93	85.04	-475.23	-463.68	73.48	79.61	1.96	-5.44	-0.70	-2.78	3.55
		10	3422.53	85.16	-469.19	-457.51	73.48	79.61	21.92	3.43	5.50	19.86	5.83
829	2	930	3322.89	65.30	-488.17	-470.29	47.42	97.86	8.09	-12.14	-10.11	6.06	-6.07
		912	4082.25	28.85	-468.85	-455.75	15.75	79.66	-9.74	-39.74	-19.90	-29.58	-14.20
		6	2556.75	40.50	-458.22	-448.42	30.70	69.20	1.06	-8.91	1.03	-8.89	0.51
		10	3117.09	39.93	-488.51	-479.29	30.70	69.20	21.80	4.99	7.86	18.93	6.33
829	3	930	3259.94	28.08	-498.95	-486.62	15.75	79.66	2.70	-17.53	-13.07	-1.76	-8.38
		912	3085.59	66.69	-473.04	-457.29	50.95	90.83	-7.73	-26.91	-16.20	-18.44	-9.53
		6	2200.61	85.22	-455.90	-445.56	74.88	74.08	0.61	-5.66	-0.50	-4.55	2.39
		10	3107.97	85.53	-440.33	-429.68	74.88	74.08	19.79	4.11	5.68	18.22	4.71
829	4	930	3137.46	67.17	-457.63	-441.41	50.95	90.83	7.33	-13.02	-10.03	4.34	-7.20
		912	2987.47	42.14	-471.47	-451.90	22.57	98.33	-7.33	-25.75	-15.64	-17.45	-9.16
		6	2060.82	46.17	-467.14	-449.15	28.18	94.40	0.15	-5.55	-0.88	-4.51	2.19
		10	2940.39	46.26	-464.71	-446.63	28.18	94.40	17.97	3.72	5.07	16.62	4.17
829	5	930	3018.25	42.24	-469.04	-449.38	22.57	98.33	6.81	-12.82	-9.69	3.68	-7.19
		912	3037.06	39.12	-475.11	-454.25	18.26	101.44	-7.95	-26.45	-16.22	-18.17	-9.20
		6	2072.89	39.29	-474.91	-454.13	18.51	101.27	0.87	-5.52	-0.53	-4.11	2.65
		10	3136.82	39.04	-481.02	-460.49	18.51	101.27	20.00	3.68	5.54	18.15	5.18
829	6	930	3103.46	38.86	-481.21	-460.61	18.26	101.44	6.73	-12.79	-10.15	4.09	-6.67
		912	3028.51	44.96	-492.71	-468.89	21.14	110.63	-7.90	-24.37	-16.05	-16.23	-8.23
		6	2295.70	45.50	-492.07	-468.50	21.93	110.07	1.87	-5.36	-0.75	-2.74	3.47
		10	3343.10	45.47	-492.84	-469.31	21.93	110.07	21.33	3.38	5.36	19.35	5.64
829	7	930	3215.11	44.92	-493.48	-469.70	21.14	110.63	7.92	-12.00	-9.94	5.86	-6.07
		912	2932.02	42.65	-471.93	-450.71	21.43	102.31	-7.38	-24.33	-15.41	-16.29	-8.46
		6	2114.97	43.69	-470.76	-449.98	22.92	101.26	0.85	-5.28	-0.85	-3.57	2.75
		10	3055.02	43.76	-469.13	-448.29	22.92	101.26	19.01	3.48	5.03	17.46	4.66
829	8	930	3041.60	42.72	-470.30	-449.02	21.43	102.31	7.29	-12.08	-9.53	4.74	-6.55
		912	2387.23	54.17	-366.65	-354.73	42.26	69.80	-5.97	-20.70	-12.51	-14.17	-7.32
		6	1711.24	70.11	-352.15	-344.73	62.69	55.51	0.51	-4.35	-0.39	-3.46	1.88
		10	2414.25	70.39	-337.35	-329.65	62.69	55.51	15.39	3.18	4.40	14.17	3.66
829	9	930	2430.20	54.62	-352.02	-339.66	42.26	69.80	5.74	-10.00	-7.72	3.46	-5.54
		912	2176.56	41.89	-344.74	-331.92	29.07	69.22	-5.65	-17.75	-11.48	-11.93	-6.05
		6	1546.40	52.91	-333.97	-324.76	43.70	58.98	1.12	-3.83	-0.49	-2.22	2.32
		10	2354.74	52.95	-332.10	-322.84	43.70	58.98	15.02	2.48	3.86	13.64	3.92
829	10	930	2306.47	41.95	-342.88	-330.00	29.07	69.22	5.50	-8.69	-7.13	3.94	-4.44
		912	2167.00	42.75	-332.99	-321.27	31.03	65.32	-5.44	-18.94	-11.42	-12.97	-6.71

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		6	1529.19	52.97	-323.19	-314.69	44.47	55.91	0.40	-3.98	-0.37	-3.21	1.67
		10	2179.27	53.14	-316.04	-307.37	44.47	55.91	13.84	2.86	3.96	12.74	3.30
		930	2204.81	42.98	-325.91	-313.96	31.03	65.32	5.09	-9.19	-7.08	2.98	-5.07
829	11	912	2132.98	30.72	-343.97	-327.72	14.47	76.31	-5.55	-17.53	-11.33	-11.74	-5.99
		6	1575.03	31.12	-343.50	-327.43	15.06	75.90	1.07	-3.78	-0.51	-2.20	2.27
		10	2311.17	31.04	-345.38	-329.39	15.06	75.90	14.70	2.45	3.79	13.36	3.82
		930	2246.58	30.63	-345.84	-329.68	14.47	76.31	5.41	-8.62	-7.03	3.82	-4.44
830	1	911	6196.54	99.12	-1094.98	-1091.23	95.38	66.74	-10.51	-37.30	-23.91	-23.90	-13.40
		912	4656.81	156.72	-1061.89	-1061.41	156.24	24.14	-4.45	-6.93	-4.45	-6.93	0.05
		930	6138.50	156.72	-1064.31	-1063.83	156.24	24.14	24.78	1.51	2.09	24.20	3.64
		929	6747.01	99.11	-1097.39	-1093.66	95.38	66.74	10.66	-20.80	-17.37	7.22	-9.81
830	2	911	6823.91	88.93	-1147.44	-1145.69	87.18	46.48	-13.57	-51.55	-27.43	-37.68	-18.29
		912	5402.36	151.04	-1114.40	-1114.40	151.04	1.78	-4.07	-17.22	-5.20	-16.09	-3.69
		930	5913.58	151.04	-1176.40	-1176.39	151.04	1.78	15.53	0.51	1.08	14.96	2.86
		929	6917.48	88.84	-1209.35	-1207.69	87.18	46.48	-0.08	-27.70	-21.16	-6.63	-11.74
830	3	911	6001.08	98.94	-1064.47	-1060.74	95.21	65.79	-9.20	-36.37	-22.61	-22.96	-13.58
		912	4537.34	161.92	-1028.51	-1028.20	161.61	19.31	-4.40	-8.26	-4.91	-7.74	-1.31
		930	5798.50	161.92	-1040.03	-1039.72	161.61	19.31	20.06	0.83	0.99	19.90	1.73
		929	6480.32	98.90	-1075.95	-1072.26	95.21	65.79	9.01	-21.03	-16.71	4.68	-10.54
830	4	911	5983.03	80.00	-1057.65	-1055.66	78.01	47.52	-8.93	-35.68	-22.31	-22.30	-13.37
		912	4516.31	122.36	-1034.28	-1034.04	122.12	16.64	-4.51	-8.40	-5.20	-7.71	-1.48
		930	5731.27	122.36	-1066.34	-1066.11	122.12	16.64	18.94	0.42	0.51	18.85	1.33
		929	6494.62	79.94	-1089.66	-1087.72	78.01	47.52	8.68	-21.01	-16.60	4.26	-10.57
830	5	911	6082.16	80.49	-1070.17	-1067.95	78.27	50.52	-10.13	-37.46	-23.30	-24.29	-13.66
		912	4514.55	121.52	-1047.30	-1046.94	121.16	20.50	-4.60	-8.43	-4.88	-8.16	-0.99
		930	5848.66	121.51	-1077.88	-1077.53	121.16	20.50	20.74	0.82	1.14	20.42	2.50
		929	6584.12	80.44	-1100.71	-1098.54	78.27	50.52	8.32	-21.32	-17.28	4.29	-10.16
830	6	911	6154.01	82.41	-1086.15	-1083.33	79.60	57.29	-10.24	-36.74	-23.65	-23.33	-13.25
		912	4618.74	121.56	-1063.79	-1063.10	120.88	28.40	-4.64	-6.82	-4.64	-6.81	-0.09
		930	6052.95	121.55	-1080.58	-1079.90	120.88	28.40	23.96	1.25	1.75	23.46	3.34
		929	6718.78	82.37	-1102.91	-1100.13	79.60	57.29	10.42	-20.73	-17.25	6.94	-9.82
830	7	911	5927.78	79.52	-1047.91	-1045.52	77.12	51.88	-9.20	-35.18	-22.37	-22.01	-12.99
		912	4469.52	119.57	-1025.38	-1024.94	119.12	22.48	-4.56	-7.24	-4.82	-6.98	-0.79
		930	5757.95	119.56	-1048.84	-1048.40	119.12	22.48	20.96	0.85	1.08	20.72	2.16
		929	6461.30	79.47	-1071.33	-1068.98	77.12	51.88	9.56	-20.33	-16.46	5.69	-10.04
830	8	911	4628.26	77.92	-822.44	-819.38	74.86	52.42	-7.04	-27.90	-17.39	-17.55	-10.43
		912	3512.23	128.22	-793.61	-793.36	127.97	15.25	-3.40	-6.25	-3.79	-5.86	-0.98
		930	4479.70	128.22	-799.75	-799.50	127.97	15.25	15.55	0.65	0.77	15.43	1.34
		929	4995.49	77.90	-828.56	-825.52	74.86	52.42	7.05	-16.15	-12.84	3.74	-8.11
830	9	911	4353.96	67.21	-768.20	-765.83	64.84	44.42	-7.30	-26.36	-16.77	-16.89	-9.53
		912	3260.75	105.51	-746.36	-746.06	105.20	16.17	-3.20	-5.11	-3.22	-5.09	-0.17
		930	4283.10	105.50	-753.13	-752.83	105.20	16.17	16.80	0.97	1.31	16.45	2.31
		929	4738.11	67.19	-774.96	-772.61	64.84	44.42	7.21	-14.79	-12.24	4.66	-7.04
830	10	911	4245.72	67.11	-751.25	-748.89	64.74	43.89	-6.57	-25.84	-16.04	-16.37	-9.63
		912	3195.58	108.40	-727.82	-727.61	108.18	13.49	-3.12	-5.90	-3.47	-5.55	-0.93
		930	4096.27	108.40	-739.65	-739.43	108.18	13.49	14.18	0.59	0.70	14.07	1.25
		929	4591.19	67.07	-763.04	-760.72	64.74	43.89	6.30	-14.93	-11.87	3.25	-7.45
830	11	911	4330.63	57.94	-763.32	-761.44	56.07	39.17	-7.15	-26.04	-16.62	-16.57	-9.45
		912	3240.07	85.97	-747.41	-747.00	85.55	18.53	-3.29	-5.07	-3.32	-5.03	-0.25
		930	4236.58	85.96	-762.16	-761.76	85.55	18.53	16.35	0.82	1.13	16.04	2.15
		929	4723.06	57.91	-778.04	-776.21	56.07	39.17	7.08	-14.75	-12.17	4.50	-7.05
831	1	910	8283.94	83.65	-1543.36	-1543.18	83.46	17.40	-7.26	-36.74	-25.26	-18.74	-14.37
		911	7166.46	130.28	-1520.45	-1520.31	130.13	-15.27	-3.83	-14.11	-11.34	-6.60	-4.56
		929	8018.66	130.27	-1536.70	-1536.56	130.13	-15.27	16.47	-6.58	-6.38	16.27	-2.13
		928	8775.21	83.65	-1559.62	-1559.43	83.46	17.40	8.99	-25.17	-20.30	4.12	-11.94
831	2	910	9011.63	94.60	-1680.16	-1680.16	94.59	2.27	-13.49	-51.00	-29.56	-34.92	-18.56
		911	7607.53	152.23	-1653.08	-1652.30	151.45	-37.53	-8.01	-25.79	-14.24	-19.57	-8.48
		929	8308.28	152.19	-1740.83	-1740.09	151.45	-37.53	1.52	-11.12	-10.02	0.42	-3.57
		928	9300.61	94.60	-1767.95	-1767.95	94.59	2.27	-5.54	-34.75	-25.35	-14.94	-13.65
831	3	910	8035.35	80.86	-1508.54	-1508.34	80.66	17.56	-5.37	-33.96	-23.31	-16.03	-13.83
		911	7128.88	129.62	-1484.61	-1484.44	129.45	-16.59	-2.96	-15.88	-12.17	-6.67	-5.85
		929	7805.07	129.62	-1521.16	-1520.99	129.45	-16.59	11.65	-9.13	-8.20	10.72	-4.30
		928	8491.60	80.85	-1545.09	-1544.90	80.66	17.56	7.07	-25.04	-19.33	1.36	-12.88
831	4	910	8085.00	79.14	-1513.70	-1513.69	79.14	2.91	-5.40	-34.08	-23.35	-16.13	-13.88
		911	7163.14	125.21	-1491.89	-1491.37	124.69	-28.98	-2.96	-16.01	-12.21	-6.75	-5.92
		929	7867.19	125.20	-1538.39	-1537.89	124.69	-28.98	11.52	-9.23	-8.27	10.56	-4.35
		928	8570.97	79.14	-1560.21	-1560.21	79.14	2.91	6.93	-25.16	-19.41	1.19	-12.30
831	5	910	8176.27	81.18	-1528.87	-1528.85	81.16	5.49	-7.25	-36.46	-24.60	-19.11	-14.34
		911	7127.11	126.01	-1507.47	-1507.07	125.61	-25.63	-4.19	-15.76	-11.93	-8.01	-5.45
		929	7892.65	126.00	-1545.99	-1545.60	125.61	-25.63	12.42	-8.06	-7.55	11.92	-3.17
		928	8646.82	81.18	-1567.39	-1567.37	81.16	5.49	6.31	-25.71	-20.22	0.82	-12.07
831	6	910	8294.26	81.42	-1542.76	-1542.71	81.37	9.18	-7.19	-36.71	-25.22	-18.68	-14.39

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		911	7171.82	123.97	-1522.21	-1521.96	123.71	-20.46	-3.76	-14.21	-11.39	-6.59	-4.64
		929	8031.98	123.96	-1545.24	-1544.99	123.71	-20.46	16.28	-6.68	-6.46	16.07	-2.20
		928	8799.93	81.42	-1565.79	-1565.74	81.37	9.18	8.87	-25.19	-20.30	3.98	-11.95
831	7	910	8004.73	78.16	-1493.40	-1493.38	78.14	6.43	-5.87	-34.34	-23.63	-16.58	-13.79
		911	7013.78	121.53	-1472.64	-1472.29	121.17	-23.70	-3.06	-14.70	-11.52	-6.25	-5.19
		929	7777.41	121.52	-1507.20	-1506.86	121.17	-23.70	13.72	-7.73	-7.20	13.19	-3.32
		928	8498.64	78.16	-1527.97	-1527.94	78.14	6.43	8.05	-24.50	-19.31	2.86	-11.92
831	8	910	6194.30	62.35	-1163.78	-1163.61	62.17	14.79	-3.99	-25.95	-17.88	-12.07	-10.59
		911	5508.11	100.13	-1145.17	-1145.06	100.02	-11.70	-2.18	-12.20	-9.41	-4.97	-4.50
		929	6017.17	100.13	-1171.46	-1171.35	100.02	-11.70	9.01	-7.09	-6.36	8.28	-3.36
		928	6538.76	62.35	-1190.07	-1189.90	62.17	14.79	5.56	-19.21	-14.83	1.18	-9.45
831	9	910	5830.72	58.66	-1086.39	-1086.30	58.57	10.28	-5.05	-25.88	-17.72	-13.21	-10.17
		911	5050.93	91.47	-1070.39	-1070.25	91.33	-12.65	-2.70	-10.23	-8.09	-4.84	-3.40
		929	5645.36	91.47	-1086.86	-1086.73	91.33	-12.65	11.02	-4.88	-4.69	10.83	-1.73
		928	6182.49	58.66	-1102.87	-1102.78	58.57	10.28	6.02	-17.87	-14.32	2.46	-8.51
831	10	910	5692.25	57.11	-1067.05	-1066.95	57.01	10.37	-4.00	-24.34	-16.63	-11.70	-9.87
		911	5030.74	91.11	-1050.48	-1050.32	90.95	-13.39	-2.21	-11.22	-8.55	-4.88	-4.11
		929	5528.49	91.10	-1078.23	-1078.08	90.95	-13.39	8.37	-6.31	-5.70	7.75	-2.94
		928	6025.57	57.10	-1094.80	-1094.71	57.01	10.37	4.97	-17.81	-13.78	0.93	-8.70
831	11	910	5836.56	57.43	-1086.07	-1086.04	57.40	5.71	-5.01	-25.86	-17.69	-13.17	-10.18
		911	5054.16	87.97	-1071.37	-1071.17	87.76	-15.54	-2.66	-10.29	-8.12	-4.84	-3.44
		929	5653.19	87.97	-1091.61	-1091.41	87.76	-15.54	10.92	-4.94	-4.74	10.72	-1.77
		928	6196.41	57.43	-1106.31	-1106.29	57.40	5.71	5.96	-17.89	-14.31	2.39	-8.51
832	1	909	9754.46	76.69	-1859.12	-1858.73	76.30	-27.31	-3.01	-34.49	-24.87	-12.63	-14.51
		910	9127.77	101.47	-1847.89	-1846.89	100.47	-44.22	-0.85	-21.65	-17.02	-5.48	-8.65
		928	9534.79	101.46	-1865.50	-1864.51	100.47	-44.22	10.09	-15.97	-13.78	7.90	-7.24
		927	1.006e+04	76.68	-1876.73	-1876.35	76.30	-27.31	6.78	-27.66	-21.63	0.75	-13.09
832	2	909	1.076e+04	118.66	-2088.15	-2087.15	117.66	-46.94	-13.05	-49.13	-30.52	-31.65	-18.03
		910	1.002e+04	144.45	-2076.81	-2074.94	142.58	-64.38	-9.87	-34.51	-21.89	-22.50	-12.32
		928	1.048e+04	144.36	-2184.01	-2182.22	142.58	-64.38	-6.65	-26.07	-19.65	-13.07	-9.13
		927	1.112e+04	118.61	-2195.39	-2194.44	117.66	-46.94	-10.11	-40.40	-28.28	-22.22	-14.84
832	3	909	9515.12	73.87	-1825.63	-1825.31	73.55	-24.83	-0.65	-30.82	-22.61	-8.86	-13.42
		910	9144.14	100.99	-1813.32	-1812.34	100.01	-43.35	0.21	-23.19	-18.02	-4.96	-9.71
		928	9445.38	100.97	-1856.48	-1855.52	100.01	-43.35	5.98	-19.90	-15.93	2.01	-9.33
		927	9785.13	73.87	-1868.80	-1868.48	73.55	-24.83	4.82	-27.24	-20.52	-1.89	-13.04
832	4	909	9572.79	77.43	-1833.70	-1832.95	76.69	-37.64	-0.78	-30.96	-22.68	-9.06	-13.47
		910	9193.77	104.02	-1821.96	-1820.35	102.41	-55.65	0.11	-23.25	-18.04	-5.11	-9.73
		928	9514.55	103.98	-1869.84	-1868.27	102.41	-55.65	5.89	-19.93	-15.96	1.91	-9.32
		927	9861.64	77.41	-1881.60	-1880.88	76.69	-37.64	4.70	-27.34	-20.60	-2.04	-13.06
832	5	909	9637.88	79.72	-1848.63	-1847.96	79.05	-35.94	-3.24	-33.62	-24.09	-12.77	-14.10
		910	9126.41	105.15	-1837.34	-1835.88	103.69	-53.19	-1.67	-23.16	-17.79	-7.05	-9.31
		928	9478.62	105.12	-1873.75	-1872.32	103.69	-53.19	6.19	-18.35	-15.17	3.01	-8.24
		927	9925.27	79.71	-1885.05	-1884.39	79.05	-35.94	3.96	-28.15	-21.47	-2.72	-13.03
832	6	909	9773.54	79.27	-1860.35	-1859.72	78.64	-34.94	-2.99	-34.48	-24.83	-12.64	-14.52
		910	9147.75	102.61	-1849.94	-1848.62	101.28	-50.79	-0.86	-21.73	-17.05	-5.53	-8.70
		928	9559.52	102.59	-1870.75	-1869.44	101.28	-50.79	9.95	-16.06	-13.83	7.72	-7.29
		927	1.008e+04	79.26	-1881.17	-1880.54	78.64	-34.94	6.69	-27.68	-21.61	0.61	-13.11
832	7	909	9459.46	75.88	-1804.88	-1804.23	75.22	-35.15	-1.45	-31.70	-23.09	-10.06	-13.65
		910	8976.28	100.38	-1794.01	-1792.59	98.97	-51.77	-0.02	-21.89	-17.11	-4.79	-9.04
		928	9337.58	100.36	-1829.35	-1827.96	98.97	-51.77	7.98	-17.55	-14.55	4.98	-8.22
		927	9762.70	75.87	-1840.24	-1839.59	75.22	-35.15	5.94	-26.75	-20.53	-0.28	-12.83
832	8	909	7337.61	56.53	-1408.03	-1407.80	56.30	-18.16	-0.28	-23.53	-17.33	-6.49	-10.28
		910	7063.17	77.37	-1398.54	-1397.82	76.66	-32.41	0.33	-17.86	-13.93	-3.60	-7.49
		928	7282.18	77.36	-1430.17	-1429.48	76.66	-32.41	4.64	-15.42	-12.33	1.55	-7.24
		927	7534.52	56.52	-1439.67	-1439.45	56.30	-18.16	3.82	-20.89	-15.74	-1.33	-10.04
832	9	909	6869.88	54.49	-1310.19	-1309.88	54.18	-20.69	-2.05	-24.18	-17.42	-8.81	-10.20
		910	6444.28	72.30	-1302.17	-1301.38	71.51	-32.83	-0.63	-15.50	-12.11	-4.02	-6.24
		928	6733.24	72.29	-1319.75	-1318.98	71.51	-32.83	6.60	-11.65	-9.94	4.89	-5.32
		927	7092.95	54.49	-1327.78	-1327.47	54.18	-20.69	4.47	-19.61	-15.25	0.10	-9.28
832	10	909	6736.39	52.93	-1291.58	-1291.31	52.65	-19.32	-0.75	-22.13	-16.16	-6.72	-9.59
		910	6453.62	72.03	-1282.96	-1282.19	71.26	-32.34	-0.04	-16.36	-12.67	-3.73	-6.83
		928	6684.86	72.01	-1314.74	-1313.98	71.26	-32.34	4.33	-13.85	-11.14	1.62	-6.48
		927	6941.69	52.92	-1323.37	-1323.10	52.65	-19.32	3.38	-19.38	-14.63	-1.36	-9.25
832	11	909	6880.50	55.93	-1310.88	-1310.43	55.47	-24.94	-2.04	-24.17	-17.40	-8.82	-10.20
		910	6455.50	72.94	-1303.31	-1302.34	71.97	-36.48	-0.64	-15.55	-12.13	-4.05	-6.27
		928	6747.22	72.92	-1322.67	-1321.72	71.97	-36.48	6.53	-11.71	-9.97	4.79	-5.35
		927	7107.28	55.92	-1330.25	-1329.80	55.47	-24.94	4.41	-19.62	-15.24	0.03	-9.28
833	1	908	1.052e+04	79.24	-2030.46	-2028.45	77.23	-65.02	0.93	-31.29	-23.14	-7.22	-14.01
		909	1.034e+04	79.23	-2030.46	-2028.46	77.23	-65.02	1.76	-26.96	-20.78	-4.42	-11.80
		927	1.040e+04	79.23	-2033.02	-2031.01	77.23	-65.02	5.38	-24.21	-19.18	0.35	-11.12
		926	1.057e+04	79.24	-2033.02	-2031.01	77.23	-65.02	4.39	-28.38	-21.54	-2.45	-13.32
833	2	908	1.195e+04	83.97	-2403.01	-2401.19	82.15	-67.25	-12.26	-45.48	-30.09	-27.65	-16.56

		909	1.180e+04	139.66	-2379.48	-2375.14	135.32	-104.47	-11.12	-41.09	-27.68	-24.53	-14.91
		927	1.212e+04	139.48	-2488.11	-2483.95	135.32	-104.47	-12.31	-39.57	-27.27	-24.61	-13.56
		926	1.227e+04	83.90	-2511.75	-2510.00	82.15	-67.25	-13.45	-43.96	-29.68	-27.73	-15.22
833	3	908	1.031e+04	76.53	-2000.26	-1998.52	74.79	-60.10	3.65	-27.13	-20.76	-2.72	-12.47
		909	1.039e+04	79.01	-1999.19	-1997.36	77.17	-61.76	2.95	-28.21	-21.87	-3.39	-12.54
		927	1.039e+04	78.98	-2029.73	-2027.92	77.17	-61.76	1.77	-28.71	-21.49	-5.45	-12.96
		926	1.032e+04	76.51	-2030.80	-2029.09	74.79	-60.10	2.48	-27.64	-20.37	-4.79	-12.89
833	4	908	1.037e+04	81.48	-2009.52	-2007.07	79.02	-71.59	3.49	-27.24	-20.82	-2.94	-12.50
		909	1.045e+04	84.37	-2008.30	-2005.72	81.78	-73.52	2.82	-28.27	-21.89	-3.56	-12.56
		927	1.046e+04	84.33	-2040.70	-2038.15	81.78	-73.52	1.65	-28.75	-21.52	-5.59	-12.95
		926	1.038e+04	81.44	-2041.92	-2039.51	79.02	-71.59	2.32	-27.73	-20.44	-4.97	-12.89
833	5	908	1.040e+04	83.71	-2023.02	-2020.63	81.32	-70.95	0.58	-30.01	-22.30	-7.13	-13.29
		909	1.035e+04	85.44	-2022.29	-2019.82	82.97	-72.10	0.70	-28.35	-21.66	-6.00	-12.23
		927	1.039e+04	85.42	-2041.39	-2038.94	82.97	-72.10	1.73	-27.15	-20.69	-4.72	-12.03
		926	1.044e+04	83.69	-2042.12	-2039.75	81.32	-70.95	1.60	-28.80	-21.33	-5.86	-13.08
833	6	908	1.054e+04	83.07	-2032.27	-2029.81	80.60	-72.17	0.95	-31.26	-23.09	-7.22	-14.01
		909	1.036e+04	82.86	-2032.36	-2029.90	80.40	-72.03	1.75	-27.06	-20.83	-4.48	-11.86
		927	1.042e+04	82.85	-2036.20	-2033.75	80.40	-72.03	5.21	-24.35	-19.24	0.10	-11.18
		926	1.059e+04	83.06	-2036.11	-2033.65	80.60	-72.17	4.25	-28.39	-21.50	-2.64	-13.33
833	7	908	1.023e+04	79.38	-1974.89	-1972.49	76.99	-70.15	2.64	-28.29	-21.32	-4.34	-12.93
		909	1.019e+04	80.79	-1974.30	-1971.84	78.33	-71.09	2.68	-26.92	-20.83	-3.42	-11.97
		927	1.023e+04	80.76	-1994.83	-1992.40	78.33	-71.09	3.64	-25.89	-19.91	-2.34	-11.87
		926	1.027e+04	79.36	-1995.43	-1993.05	76.99	-70.15	3.60	-27.26	-20.40	-3.26	-12.83
833	8	908	7952.50	58.52	-1542.42	-1541.12	57.22	-45.58	3.07	-20.71	-15.89	-1.75	-9.56
		909	8023.22	60.25	-1541.67	-1540.31	58.89	-46.75	2.47	-21.74	-16.89	-2.38	-9.69
		927	8014.48	60.23	-1563.76	-1562.42	58.89	-46.75	1.40	-22.22	-16.62	-4.21	-10.05
		926	7942.78	58.50	-1564.52	-1563.24	57.22	-45.58	2.00	-21.20	-15.62	-3.58	-9.92
833	9	908	7414.78	56.44	-1432.04	-1430.57	54.97	-46.79	0.75	-21.83	-16.18	-4.90	-9.78
		909	7304.22	56.93	-1431.83	-1430.34	55.43	-47.11	1.21	-19.21	-14.79	-3.22	-8.42
		927	7354.03	56.92	-1438.79	-1437.31	55.43	-47.11	3.34	-17.54	-13.78	-0.43	-8.03
		926	7457.97	56.43	-1439.00	-1437.53	54.97	-46.79	2.80	-20.08	-15.18	-2.11	-9.39
833	10	908	7296.60	54.93	-1415.26	-1413.94	53.61	-44.05	2.25	-19.51	-14.86	-2.40	-8.92
		909	7333.02	56.80	-1414.46	-1413.06	55.40	-45.30	1.87	-19.91	-15.39	-2.65	-8.83
		927	7353.10	56.78	-1436.96	-1435.59	55.40	-45.30	1.34	-20.06	-15.06	-3.65	-9.05
		926	7316.60	54.91	-1437.77	-1436.46	53.61	-44.05	1.74	-19.67	-14.53	-3.41	-9.15
833	11	908	7425.50	58.57	-1433.05	-1431.32	56.84	-50.76	0.75	-21.81	-16.15	-4.90	-9.78
		909	7319.37	58.94	-1432.89	-1431.15	57.20	-51.01	1.20	-19.27	-14.81	-3.26	-8.45
		927	7367.44	58.93	-1440.56	-1438.82	57.20	-51.01	3.24	-17.62	-13.81	-0.57	-8.06
		926	7467.27	58.56	-1440.72	-1439.00	56.84	-50.76	2.72	-20.09	-15.15	-2.22	-9.39
834	1	907	1.049e+04	82.49	-2042.73	-2038.06	77.83	-99.44	4.48	-26.31	-19.80	-2.03	-12.57
		908	1.072e+04	56.34	-2053.37	-2050.16	53.14	-82.15	3.88	-29.99	-22.68	-3.43	-13.93
		926	1.050e+04	56.37	-2035.11	-2031.88	53.14	-82.15	1.16	-30.84	-22.74	-6.94	-13.92
		925	1.026e+04	82.53	-2024.48	-2019.78	77.83	-99.44	1.76	-27.15	-19.86	-5.54	-12.55
834	2	907	1.175e+04	127.98	-2446.35	-2441.92	123.55	-106.66	-5.85	-26.89	-21.32	-11.42	-9.29
		908	1.266e+04	77.87	-2467.44	-2465.34	75.76	-73.20	-10.86	-45.75	-33.50	-23.10	-16.65
		926	1.258e+04	77.87	-2465.91	-2463.80	75.76	-73.20	-17.97	-59.31	-36.33	-40.95	-20.54
		925	1.148e+04	127.98	-2444.82	-2440.39	123.55	-106.66	-13.28	-40.13	-24.14	-29.27	-13.18
834	3	907	1.031e+04	79.46	-2016.91	-2012.87	75.42	-91.93	7.49	-21.97	-17.41	2.93	-10.65
		908	1.079e+04	56.20	-2026.48	-2023.67	53.39	-76.50	5.11	-30.87	-23.79	-1.97	-14.30
		926	1.056e+04	56.19	-2036.89	-2034.09	53.39	-76.50	-2.03	-35.39	-25.08	-12.35	-15.42
		925	1.003e+04	79.44	-2027.31	-2023.30	75.42	-91.93	-0.03	-26.11	-18.70	-7.45	-11.77
834	4	907	1.037e+04	84.96	-2027.46	-2022.45	79.94	-102.78	7.28	-22.09	-17.49	2.67	-10.68
		908	1.085e+04	61.94	-2036.73	-2033.07	58.28	-87.61	4.95	-30.95	-23.83	-2.17	-14.32
		926	1.062e+04	61.92	-2047.39	-2043.75	58.28	-87.61	-2.19	-35.45	-25.11	-12.52	-15.40
		925	1.009e+04	84.93	-2038.12	-2033.13	79.94	-102.78	-0.23	-26.22	-18.77	-7.68	-11.76
834	5	907	1.038e+04	87.13	-2038.97	-2033.94	82.10	-103.31	4.11	-24.79	-18.96	-1.72	-11.60
		908	1.075e+04	62.86	-2048.75	-2045.14	59.24	-87.31	2.67	-31.19	-23.61	-4.91	-14.12
		926	1.053e+04	62.86	-2045.18	-2041.56	59.24	-87.31	-2.12	-34.03	-24.28	-11.87	-14.70
		925	1.014e+04	87.14	-2035.40	-2030.36	82.10	-103.31	-0.80	-27.51	-19.63	-8.68	-12.18
834	6	907	1.051e+04	86.49	-2045.13	-2039.80	81.16	-106.42	4.47	-26.27	-19.73	-2.07	-12.57
		908	1.075e+04	60.35	-2055.62	-2051.85	56.58	-89.22	3.86	-30.12	-22.74	-3.52	-14.01
		926	1.052e+04	60.38	-2037.67	-2033.87	56.58	-89.22	0.93	-31.06	-22.83	-7.30	-13.98
		925	1.027e+04	86.53	-2027.19	-2021.82	81.16	-106.42	1.53	-27.19	-19.82	-5.84	-12.55
834	7	907	1.021e+04	82.51	-1990.01	-1984.95	77.45	-102.31	6.23	-23.34	-18.05	0.95	-11.33
		908	1.057e+04	58.55	-1999.64	-1996.00	54.91	-86.53	4.79	-29.70	-22.70	-2.21	-13.87
		926	1.035e+04	58.55	-1999.70	-1996.05	54.91	-86.53	-0.32	-32.40	-23.41	-9.31	-14.41
		925	9971.97	82.51	-1990.07	-1985.01	77.45	-102.31	0.98	-25.90	-18.77	-6.15	-11.86
834	8	907	7953.84	60.78	-1554.84	-1551.78	57.72	-70.26	6.04	-16.77	-13.32	2.59	-8.17
		908	8331.36	42.70	-1562.29	-1560.18	40.58	-58.26	4.14	-23.80	-18.38	-1.29	-11.06
		926	8138.60	42.69	-1569.14	-1567.03	40.58	-58.26	-1.54	-27.38	-19.39	-9.54	-11.94
		925	7720.76	60.77	-1561.69	-1558.64	57.72	-70.26	0.05	-20.03	-14.33	-5.66	-9.05
834	9	907	7394.41	58.70	-1441.75	-1438.42	55.36	-70.65	3.27	-18.25	-13.82	-1.16	-8.70

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		908	7577.03	40.72	-1449.05	-1446.73	38.40	-58.78	2.71	-21.30	-16.14	-2.46	-9.87
		926	7431.22	40.74	-1441.05	-1438.72	38.40	-58.78	0.42	-22.24	-16.30	-5.52	-9.96
		925	7242.38	58.72	-1433.76	-1430.40	55.36	-70.65	0.96	-19.17	-13.98	-4.22	-8.80
834	10	907	7297.33	57.01	-1427.40	-1424.42	54.02	-66.48	4.95	-15.84	-12.49	1.60	-7.64
		908	7618.30	40.64	-1434.11	-1432.01	38.54	-55.64	3.39	-21.79	-16.75	-1.65	-10.07
		926	7465.76	40.63	-1442.04	-1439.95	38.54	-55.64	-1.35	-24.78	-17.60	-8.53	-10.80
		925	7114.06	56.99	-1435.32	-1432.36	54.02	-66.48	-0.03	-18.59	-13.34	-5.28	-8.36
834	11	907	7404.47	60.92	-1443.09	-1439.38	57.22	-74.53	3.27	-18.23	-13.78	-1.18	-8.71
		908	7594.40	42.95	-1450.30	-1447.66	40.31	-62.70	2.70	-21.38	-16.17	-2.51	-9.91
		926	7444.23	42.97	-1442.47	-1439.82	40.31	-62.70	0.29	-22.36	-16.35	-5.72	-10.00
		925	7247.69	60.94	-1435.26	-1431.54	57.22	-74.53	0.84	-19.19	-13.96	-4.39	-8.80
835	1	906	9585.28	76.02	-1888.69	-1880.74	68.07	-124.72	7.92	-19.00	-14.63	3.55	-9.92
		907	1.023e+04	31.12	-1905.88	-1901.16	26.39	-95.54	5.57	-30.67	-32.82	-2.28	-14.93
		925	9809.35	31.22	-1866.82	-1862.00	26.39	-95.54	-2.85	-35.99	-24.61	-14.23	-15.74
		924	9083.59	76.18	-1849.69	-1841.58	68.07	-124.72	-0.95	-23.87	-16.43	-8.39	-10.73
835	2	906	1.044e+04	103.95	-2200.06	-2194.55	98.45	-112.53	-0.35	-17.32	-15.04	-2.63	-5.78
		907	1.171e+04	61.99	-2217.12	-2213.96	58.83	-84.80	-8.12	-43.01	-32.25	-18.88	-16.11
		925	1.145e+04	62.08	-2157.07	-2153.83	58.83	-84.80	-17.87	-61.34	-36.04	-43.17	-21.44
		924	9801.31	104.10	-2140.08	-2134.42	98.45	-112.53	-11.05	-34.70	-18.83	-26.92	-11.11
835	3	906	9460.72	72.33	-1867.75	-1861.01	65.59	-114.15	11.22	-14.92	-12.38	8.68	-7.74
		907	1.032e+04	30.96	-1883.90	-1879.93	26.98	-87.12	6.77	-31.14	-23.88	-0.49	-14.92
		925	9917.16	30.98	-1873.09	-1869.09	26.98	-87.12	-5.62	-40.16	-26.84	-18.94	-16.81
		924	8883.93	72.37	-1856.95	-1850.17	65.59	-114.15	-2.52	-22.58	-15.34	-9.77	-9.64
835	4	906	9526.80	78.50	-1880.85	-1872.85	70.50	-124.98	10.90	-15.10	-12.50	8.30	-7.79
		907	1.038e+04	36.98	-1896.70	-1891.71	32.00	-98.04	6.55	-31.22	-23.91	-0.77	-14.93
		925	9983.88	37.01	-1884.75	-1879.74	32.00	-98.04	-5.76	-40.19	-26.86	-19.09	-16.77
		924	8954.08	78.55	-1868.93	-1860.88	70.50	-124.98	-2.73	-22.75	-15.45	-10.02	-9.64
835	5	906	9507.82	80.64	-1890.04	-1881.82	72.43	-126.99	7.63	-17.46	-13.86	4.03	-8.80
		907	1.028e+04	37.58	-1906.44	-1901.38	32.52	-99.06	4.31	-31.63	-23.72	-3.60	-14.89
		925	9887.72	37.65	-1879.84	-1874.71	32.52	-99.06	-5.62	-39.14	-26.08	-18.68	-16.35
		924	8996.94	80.76	-1863.48	-1855.15	72.43	-126.99	-3.06	-24.21	-16.22	-11.06	-10.26
835	6	906	9603.43	79.96	-1892.27	-1883.45	71.14	-131.60	7.79	-19.03	-14.60	3.36	-9.96
		907	1.027e+04	35.22	-1909.15	-1903.72	29.79	-102.65	5.49	-30.83	-22.87	-2.48	-15.03
		925	9836.12	35.34	-1870.12	-1864.57	29.79	-102.65	-3.12	-36.25	-24.71	-14.67	-15.79
		924	9094.93	80.14	-1853.31	-1844.31	71.14	-131.60	-1.26	-24.01	-16.43	-8.83	-10.72
835	7	906	9360.17	76.02	-1843.63	-1835.39	67.78	-125.53	9.60	-16.40	-13.12	6.32	-8.63
		907	1.011e+04	33.93	-1859.59	-1854.48	28.81	-98.25	6.36	-30.16	-22.79	-1.01	-14.66
		925	9708.94	33.98	-1838.80	-1833.64	28.81	-98.25	-4.10	-37.20	-25.19	-16.12	-15.92
		924	8840.59	76.12	-1822.88	-1814.54	67.78	-125.53	-1.71	-22.61	-15.51	-8.80	-9.90
835	8	906	7294.77	55.28	-1439.19	-1434.06	50.15	-87.39	8.90	-11.37	-9.45	6.99	-5.93
		907	7961.13	23.32	-1451.68	-1448.68	20.31	-66.50	5.41	-24.02	-18.44	-0.17	-11.54
		925	7644.88	23.34	-1442.64	-1439.62	20.31	-66.50	-4.32	-31.06	-20.74	-14.63	-13.01
		924	6836.68	55.31	-1430.16	-1425.00	50.15	-87.39	-1.90	-17.33	-11.75	-7.47	-7.41
835	9	906	6764.92	54.08	-1334.25	-1328.63	48.45	-88.17	5.74	-13.08	-10.18	2.84	-6.79
		907	7240.86	22.81	-1346.22	-1342.85	19.44	-67.85	3.91	-21.73	-16.23	-1.59	-10.52
		925	6953.47	22.87	-1322.92	-1319.49	19.44	-67.85	-2.35	-25.84	-17.61	-10.58	-11.20
		924	6415.92	54.17	-1310.99	-1305.28	48.45	-88.17	-0.90	-16.80	-11.56	-6.15	-7.48
835	10	906	6695.71	52.02	-1322.61	-1317.67	47.08	-82.29	7.58	-10.82	-8.93	5.69	-5.58
		907	7285.95	22.71	-1334.00	-1331.05	19.77	-63.17	4.57	-21.99	-16.82	-0.59	-10.52
		925	7013.67	22.73	-1326.40	-1323.43	19.77	-63.17	-3.89	-28.16	-18.85	-13.19	-11.80
		924	6305.12	52.05	-1315.02	-1310.05	47.08	-82.29	-1.78	-16.09	-10.96	-6.91	-6.87
835	11	906	6774.83	56.26	-1336.24	-1330.14	50.16	-91.99	5.66	-13.09	-10.16	2.73	-6.81
		907	7258.95	25.09	-1348.03	-1344.26	21.32	-71.80	3.86	-21.82	-16.26	-1.70	-10.58
		925	6968.43	25.15	-1324.75	-1320.92	21.32	-71.80	-2.50	-25.98	-17.67	-10.82	-11.23
		924	6422.18	56.37	-1313.00	-1306.79	50.16	-91.99	-1.08	-16.88	-11.56	-6.39	-7.47
836	1	905	7711.58	19.99	-1565.37	-1556.59	11.21	-117.67	11.33	-9.77	-7.78	9.34	-6.17
		906	8811.66	-8.49	-1575.68	-1569.35	-14.82	-99.44	6.95	-28.85	-21.07	-0.82	-14.76
		924	8339.20	-8.27	-1523.56	-1517.01	-14.82	-99.44	-6.37	-39.30	-24.64	-21.03	-16.37
		923	6988.96	20.29	-1513.34	-1504.25	11.21	-117.67	-3.32	-18.89	-11.34	-10.87	-7.78
836	2	905	8262.90	25.02	-1790.65	-1784.96	19.34	-101.44	6.11	-7.81	-7.51	5.82	-2.02
		906	9794.57	-6.27	-1802.96	-1799.30	-9.92	-80.95	-4.43	-37.51	-28.32	-13.61	-14.82
		924	9613.60	-6.08	-1714.56	-1710.72	-9.92	-80.95	-16.59	-59.39	-33.19	-42.78	-20.85
		923	7428.80	25.31	-1702.36	-1696.38	19.34	-101.44	-8.12	-27.62	-12.38	-23.36	-8.06
836	3	905	7655.17	17.06	-1549.06	-1542.22	10.22	-103.27	14.92	-6.60	-5.87	14.19	-3.90
		906	8873.59	-8.00	-1558.46	-1553.55	-12.91	-87.09	8.01	-28.85	-21.99	1.15	-14.35
		924	8465.47	-7.92	-1533.87	-1528.89	-12.91	-87.09	-8.67	-42.53	-26.57	-24.63	-16.90
		923	6841.35	17.17	-1524.51	-1517.56	10.22	-103.27	-4.55	-17.49	-10.45	-11.58	-6.45
836	4	905	7734.75	22.58	-1567.48	-1559.08	14.18	-115.23	14.39	-6.87	-6.09	13.61	-4.00
		906	8955.46	-2.49	-1576.60	-1570.33	-8.77	-99.16	7.68	-28.93	-22.00	0.75	-14.34
		924	8538.42	-2.38	-1547.69	-1541.30	-8.77	-99.16	-8.75	-42.45	-26.55	-24.65	-16.82
		923	6927.45	22.73	-1538.60	-1530.05	14.18	-115.23	-4.71	-17.73	-10.64	-11.80	-6.48
836	5	905	7684.52	23.82	-1574.09	-1565.19	14.93	-118.90	11.20	-8.56	-7.20	9.83	-5.01

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		906	8864.79	-2.56	-1583.61	-1577.00	-9.18	-102.03	5.68	-29.49	-21.88	-1.93	-14.49
		924	8458.37	-2.38	-1540.02	-1533.22	-9.18	-102.03	-8.50	-41.99	-25.89	-24.59	-16.74
		923	6957.06	24.07	-1530.56	-1521.41	14.93	-118.90	-4.72	-19.33	-11.21	-12.83	-7.26
836	6	905	7729.36	23.07	-1571.27	-1561.53	13.33	-124.20	10.88	-9.99	-7.88	8.77	-6.28
		906	8840.34	-4.43	-1581.04	-1573.79	-11.69	-106.69	6.70	-29.01	-21.08	-1.23	-14.85
		924	8370.66	-4.18	-1529.02	-1521.52	-11.69	-106.69	-6.63	-39.46	-24.67	-21.42	-16.34
		923	7017.19	23.40	-1519.33	-1509.26	13.33	-124.20	-3.67	-19.22	-11.48	-11.42	-7.77
836	7	905	7566.49	21.31	-1533.29	-1524.42	12.43	-117.13	12.74	-8.00	-6.73	11.47	-4.98
		906	8709.32	-4.59	-1542.60	-1536.00	-11.19	-100.59	7.45	-28.14	-20.99	0.30	-14.26
		924	8279.72	-4.43	-1507.54	-1500.78	-11.19	-100.59	-7.36	-39.82	-25.02	-22.16	-16.16
		923	6830.83	21.52	-1498.28	-1489.20	12.43	-117.13	-4.00	-17.76	-10.76	-11.00	-6.88
836	8	905	5899.33	12.82	-1192.52	-1187.34	7.65	-78.81	11.73	-4.98	-4.44	11.19	-2.97
		906	6843.85	-6.52	-1199.79	-1196.09	-10.22	-66.31	6.34	-22.25	-16.97	1.06	-11.10
		924	6524.51	-6.46	-1180.97	-1177.22	-10.22	-66.31	-6.69	-32.88	-20.54	-19.03	-13.07
		923	5261.43	12.90	-1173.72	-1168.47	7.65	-78.81	-3.48	-13.42	-8.00	-8.90	-4.95
836	9	905	5451.99	14.36	-1107.48	-1101.31	8.19	-82.96	8.18	-6.63	-5.37	6.92	-4.13
		906	6239.29	-5.33	-1114.61	-1110.13	-9.81	-70.36	4.88	-20.38	-14.99	-0.52	-10.35
		924	5917.62	-5.19	-1081.03	-1076.40	-9.81	-70.36	-4.77	-28.06	-17.60	-15.23	-11.58
		923	4942.41	14.55	-1073.94	-1067.58	8.19	-82.96	-2.53	-13.25	-7.98	-7.79	-5.36
836	10	905	5420.77	12.72	-1098.41	-1093.33	7.64	-74.96	10.19	-4.88	-4.31	9.62	-2.86
		906	6273.68	-5.07	-1105.04	-1101.36	-8.74	-63.49	5.47	-20.39	-15.49	0.58	-10.13
		924	5987.85	-5.01	-1086.74	-1083.00	-8.74	-63.49	-6.05	-29.85	-18.67	-17.23	-11.88
		923	4860.56	12.81	-1080.14	-1074.97	7.64	-74.96	-3.21	-12.47	-7.49	-8.19	-4.62
836	11	905	5461.46	16.06	-1110.75	-1104.06	9.37	-86.59	7.92	-6.74	-5.43	6.61	-4.19
		906	6255.09	-3.08	-1117.59	-1112.60	-8.07	-74.38	4.74	-20.47	-14.99	-0.74	-10.40
		924	5935.10	-2.92	-1084.05	-1078.91	-8.07	-74.38	-4.92	-28.15	-17.62	-15.45	-11.57
		923	4957.99	16.27	-1077.27	-1070.37	9.37	-86.59	-2.72	-13.43	-8.06	-8.10	-5.35
837	1	904	4934.69	-19.63	-1029.91	-1026.47	-23.06	-58.80	15.48	0.42	0.52	15.39	-1.17
		905	6266.45	-50.20	-1042.03	-1040.51	-51.71	-38.74	7.77	-24.28	-17.32	0.80	-13.22
		923	6203.69	-50.18	-1032.76	-1031.23	-51.71	-38.74	-8.81	-40.75	-22.81	-26.76	-15.85
		922	4238.56	-19.59	-1020.65	-1017.19	-23.06	-58.80	-3.34	-13.81	-4.98	-12.17	-3.80
837	2	904	5364.80	-17.41	-1170.04	-1168.31	-19.13	-44.56	16.65	1.35	2.01	15.99	3.11
		905	6868.38	-61.91	-1189.55	-1189.37	-62.09	-14.49	-0.18	-29.72	-22.61	-7.29	-12.63
		923	7231.09	-61.90	-1140.96	-1140.77	-62.09	-14.49	-14.96	-56.34	-29.10	-42.20	-19.62
		922	5155.44	-17.33	-1121.52	-1119.72	-19.13	-44.56	-3.50	-19.90	-4.48	-18.92	-3.89
837	3	904	5036.90	-13.95	-1018.05	-1016.29	-15.71	-41.99	19.39	1.74	1.79	19.34	0.97
		905	6284.96	-45.18	-1031.40	-1030.95	-45.63	-21.05	8.50	-23.75	-17.95	2.70	-12.38
		923	6287.64	-45.19	-1048.23	-1047.79	-45.63	-21.05	-10.54	-42.28	-24.19	-28.64	-15.71
		922	4354.44	-13.98	-1034.86	-1033.13	-15.71	-41.99	-3.77	-12.68	-4.45	-12.00	-2.36
837	4	904	5140.11	-8.36	-1047.00	-1043.34	-12.03	-61.57	18.74	1.45	1.49	18.70	0.84
		905	6413.72	-45.09	-1061.60	-1060.21	-46.48	-37.45	8.03	-23.86	-18.02	2.19	-12.33
		923	6375.53	-45.10	-1062.50	-1061.12	-46.48	-37.45	-10.48	-42.17	-24.14	-28.52	-15.69
		922	4390.97	-8.37	-1047.90	-1044.24	-12.03	-61.57	-3.85	-12.79	-4.63	-12.01	-2.53
837	5	904	5024.34	-8.71	-1049.07	-1044.82	-12.97	-66.41	15.93	0.85	0.85	15.93	-0.03
		905	6350.63	-46.39	-1063.76	-1062.04	-48.11	-41.81	6.51	-24.58	-18.00	-0.07	-12.69
		923	6350.08	-46.37	-1052.27	-1050.53	-48.11	-41.81	-10.17	-42.66	-23.76	-29.07	-16.03
		922	4390.06	-8.66	-1037.61	-1033.31	-12.97	-66.41	-3.70	-14.28	-4.91	-13.07	-3.37
837	6	904	4970.70	-10.55	-1040.41	-1035.57	-15.40	-70.47	14.57	0.10	0.22	14.45	-1.32
		905	6303.72	-47.46	-1054.49	-1052.34	-49.62	-46.52	7.23	-24.42	-17.30	0.10	-13.22
		923	6246.07	-47.44	-1041.97	-1039.79	-49.62	-46.52	-8.94	-40.76	-22.76	-26.93	-15.77
		922	4281.48	-10.49	-1027.93	-1023.02	-15.40	-70.47	-3.58	-14.26	-5.25	-12.59	-3.88
837	7	904	4949.83	-9.62	-1019.27	-1015.14	-13.74	-64.41	16.56	0.87	0.87	16.56	-0.20
		905	6219.88	-45.74	-1033.34	-1031.65	-47.44	-40.83	7.78	-23.41	-17.19	1.56	-12.46
		923	6171.58	-45.74	-1032.33	-1030.64	-47.44	-40.83	-9.43	-40.23	-22.89	-26.77	-15.28
		922	4234.63	-9.61	-1018.26	-1014.13	-13.74	-64.41	-3.70	-12.90	-4.83	-11.77	-3.02
837	8	904	3876.97	-11.17	-781.98	-780.75	-12.39	-30.76	15.10	1.40	1.44	15.06	0.76
		905	4838.68	-34.64	-792.09	-791.79	-34.94	-14.98	6.67	-18.31	-13.84	2.20	-9.57
		923	4842.22	-34.65	-806.64	-806.35	-34.94	-14.98	-8.14	-32.64	-18.68	-22.11	-12.13
		922	3354.95	-11.19	-796.51	-795.30	-12.39	-30.76	-2.89	-9.76	-3.40	-9.25	-1.79
837	9	904	3512.94	-12.27	-731.17	-728.67	-14.77	-42.32	11.20	0.41	0.44	11.16	-0.60
		905	4445.77	-35.03	-740.18	-739.11	-36.09	-27.40	5.44	-17.10	-12.32	0.66	-9.22
		923	4406.22	-35.02	-734.69	-733.62	-36.09	-27.40	-6.42	-28.92	-16.26	-19.08	-11.16
		922	3014.48	-12.26	-725.69	-723.17	-14.77	-42.32	-2.45	-9.63	-3.50	-8.57	-2.55
837	10	904	3569.52	-9.17	-724.53	-723.01	-10.69	-32.99	13.39	1.12	1.15	13.36	0.59
		905	4456.24	-32.27	-734.24	-733.80	-32.71	-17.57	5.85	-16.80	-12.67	1.71	-8.75
		923	4452.88	-32.28	-743.25	-742.82	-32.71	-17.57	-7.38	-29.77	-17.02	-20.13	-11.09
		922	3079.33	-9.19	-733.53	-732.03	-10.69	-32.99	-2.68	-9.00	-3.21	-8.48	-1.75
837	11	904	3531.98	-7.24	-737.00	-733.72	-10.52	-48.81	10.69	0.23	0.27	10.64	-0.68
		905	4466.21	-33.51	-747.09	-745.68	-34.93	-31.72	5.14	-17.17	-12.31	0.27	-9.21
		923	4429.70	-33.50	-739.80	-738.37	-34.93	-31.72	-6.49	-28.92	-16.23	-19.18	-11.12
		922	3038.58	-7.21	-729.72	-726.41	-10.52	-48.81	-2.58	-9.88	-3.65	-8.80	-2.59
838	1	5	1835.22	-4.32	-337.09	-333.90	-7.51	32.39	13.16	4.89	5.31	12.74	1.81

		904	2527.79	-45.26	-375.34	-359.95	-60.66	69.60	5.75	-15.94	-9.81	-0.37	-9.76
		922	3188.28	-47.09	-417.79	-404.23	-60.66	69.60	-6.86	-31.11	-15.83	-22.14	-11.71
		9	2013.36	-4.70	-381.00	-378.19	-7.51	32.39	-0.71	-9.02	-0.71	-9.02	-0.14
838	2	5	2453.37	-32.59	-405.45	-398.77	-39.28	49.47	20.34	5.12	8.02	17.43	5.98
		904	2828.57	-68.93	-443.16	-423.12	-88.97	84.26	1.74	-18.50	-13.24	-3.53	-8.88
		922	3975.11	-68.63	-438.07	-417.73	-88.97	84.26	-9.92	-41.68	-20.05	-31.55	-14.80
		9	2270.30	-32.49	-400.16	-393.38	-39.28	49.47	1.21	-10.59	1.21	-10.59	0.06
838	3	5	2146.00	13.84	-335.94	-329.69	7.59	46.33	15.67	4.30	5.39	14.59	3.34
		904	2467.07	-27.76	-381.27	-358.28	-50.75	87.17	5.59	-14.52	-9.92	0.99	-8.44
		922	3087.14	-31.12	-437.82	-418.19	-50.75	87.17	-7.69	-29.57	-16.13	-21.13	-10.65
		9	1972.39	12.92	-394.94	-389.61	7.59	46.33	-0.63	-7.72	-0.82	-7.53	1.13
838	4	5	2037.12	-46.71	-398.81	-396.67	-48.85	27.35	14.53	4.11	5.01	13.64	2.92
		904	2714.70	-71.45	-417.81	-411.06	-78.21	47.91	5.26	-14.78	-10.06	0.54	-8.51
		922	3177.42	-71.47	-418.67	-411.93	-78.21	47.91	-7.51	-29.16	-15.90	-20.76	-10.55
		9	1841.28	-46.72	-399.67	-397.54	-48.85	27.35	-0.72	-7.78	-0.84	-7.67	0.88
838	5	5	1873.74	-50.79	-391.05	-389.36	-52.48	23.93	13.28	4.40	5.13	12.55	2.44
		904	2699.31	-74.59	-408.74	-403.00	-80.33	43.42	4.62	-15.79	-10.21	-0.96	-9.10
		922	3280.77	-74.56	-407.27	-401.51	-80.33	43.42	-7.37	-31.03	-16.03	-22.36	-11.40
		9	1893.12	-50.78	-389.56	-387.86	-52.48	23.93	-0.69	-8.85	-0.69	-8.85	0.14
838	6	5	1707.13	-47.67	-376.54	-375.10	-49.11	21.73	11.18	4.36	4.62	10.92	1.32
		904	2652.68	-72.32	-394.71	-389.18	-77.85	41.85	5.05	-16.07	-9.69	-1.33	-9.70
		922	3219.85	-72.50	-405.03	-399.68	-77.85	41.85	-6.72	-30.25	-15.41	-21.56	-11.35
		9	1896.51	-47.71	-386.99	-385.59	-49.11	21.73	-1.08	-9.33	-1.10	-9.31	-0.33
838	7	5	1839.79	-42.49	-377.29	-375.60	-44.18	23.73	12.63	4.10	4.64	12.08	2.08
		904	2611.41	-68.33	-396.81	-390.51	-74.63	45.04	5.17	-14.87	-9.57	-0.13	-8.84
		922	3105.71	-68.53	-407.45	-401.35	-74.63	45.04	-6.94	-28.62	-15.24	-20.32	-10.54
		9	1826.57	-42.55	-388.07	-386.44	-44.18	23.73	-1.01	-8.13	-1.03	-8.11	0.38
838	8	5	1663.06	15.58	-253.77	-248.49	10.30	37.35	12.15	3.33	4.17	11.30	2.59
		904	1882.03	-17.41	-291.10	-271.61	-36.89	70.38	4.35	-11.17	-7.63	0.82	-6.51
		922	2370.53	-20.49	-338.95	-322.56	-36.89	70.38	-5.94	-22.79	-12.44	-16.29	-8.20
		9	1529.59	14.74	-303.87	-299.43	10.30	37.35	-0.49	-5.95	-0.64	-5.80	0.90
838	9	5	1319.63	-9.28	-247.20	-245.18	-11.30	21.82	9.44	3.36	3.71	9.09	1.42
		904	1813.89	-36.21	-271.20	-261.93	-45.48	45.75	3.97	-11.12	-6.97	-0.18	-6.74
		922	2256.11	-37.11	-295.61	-287.24	-45.48	45.75	-4.92	-21.75	-11.20	-15.47	-8.13
		9	1399.15	-9.48	-272.32	-270.49	-11.30	21.82	-0.52	-6.21	-0.52	-6.21	0.02
838	10	5	1489.57	0.68	-246.43	-242.84	-2.91	29.57	10.84	3.03	3.75	10.11	2.27
		904	1778.39	-26.82	-274.16	-261.00	-39.97	55.51	3.88	-10.34	-7.03	0.58	-6.01
		922	2198.28	-28.42	-306.56	-295.00	-39.97	55.51	-5.39	-20.89	-11.36	-14.92	-7.55
		9	1377.77	0.24	-279.99	-276.84	-2.91	29.57	-0.47	-5.49	-0.58	-5.38	0.73
838	11	5	1242.36	-33.33	-269.14	-268.06	-34.41	15.90	8.34	3.06	3.33	8.07	1.15
		904	1881.60	-50.98	-282.22	-278.17	-55.03	30.33	3.58	-11.19	-6.90	-0.71	-6.71
		922	2273.08	-51.09	-288.65	-284.71	-55.03	30.33	-4.85	-21.27	-10.96	-15.15	-7.94
		9	1335.33	-33.36	-275.66	-274.61	-34.41	15.90	-0.73	-6.37	-0.73	-6.37	-0.08
839	1	894	2361.73	-19.37	-296.83	-293.74	-22.47	-29.15	4.57	-10.21	-10.20	4.57	-0.33
		2	2427.51	-140.13	-382.25	-361.54	-160.84	67.71	12.16	-5.87	-2.42	8.71	7.09
		6	2935.27	-148.57	-534.49	-522.22	-160.84	67.71	19.60	0.57	1.88	18.30	4.81
839	2	912	3275.28	-20.51	-456.38	-454.42	-22.47	-29.15	14.49	-6.24	-5.90	14.16	-2.61
		894	2321.30	-28.71	-294.68	-283.05	-40.35	-54.40	0.04	-12.64	-11.10	-1.50	-4.14
		2	1857.57	-183.27	-382.39	-362.72	-202.94	59.41	4.56	-4.93	-2.90	2.53	3.89
		6	2205.37	-191.82	-520.42	-509.31	-202.94	59.41	13.42	1.82	1.91	13.33	1.04
839	3	912	3161.80	-32.89	-437.10	-429.64	-40.35	-54.40	11.97	-8.97	-6.29	9.30	-6.99
		894	2298.62	-16.89	-287.16	-282.58	-21.47	-34.90	5.18	-9.53	-9.52	5.17	-0.41
		2	2300.44	-142.98	-371.19	-351.68	-162.49	63.81	11.11	-5.71	-2.67	8.07	6.47
		6	2706.10	-150.98	-516.08	-504.56	-162.49	63.81	17.57	0.68	1.47	16.78	3.57
839	4	912	3177.98	-18.55	-438.38	-435.46	-21.47	-34.90	14.43	-5.94	-5.38	13.88	-3.32
		894	2302.09	-21.45	-291.40	-291.10	-21.75	-9.02	4.94	-9.56	-9.54	4.92	-0.48
		2	2367.11	-116.41	-372.14	-348.88	-139.67	73.53	10.87	-5.78	-2.76	7.85	6.42
		6	2734.99	-124.95	-506.87	-492.15	-139.67	73.53	17.27	0.64	1.43	16.48	3.54
839	5	912	3108.31	-21.55	-434.56	-434.36	-21.75	-9.02	14.13	-5.93	-5.36	13.55	-3.36
		894	2287.05	-23.20	-293.48	-293.32	-23.36	-6.62	4.24	-9.80	-9.76	4.20	-0.75
		2	2349.45	-115.59	-373.79	-350.11	-139.26	74.51	10.64	-5.66	-2.66	7.64	6.32
		6	2745.98	-124.27	-509.55	-494.55	-139.26	74.51	17.32	0.69	1.57	16.44	3.73
839	6	912	3087.48	-23.26	-437.87	-437.76	-23.36	-6.62	13.58	-6.11	-5.53	13.00	-3.33
		894	2382.76	-22.19	-303.31	-303.31	-22.19	0.98	4.41	-10.26	-10.25	4.40	-0.40
		2	2518.81	-108.84	-383.34	-358.12	-134.06	79.28	12.13	-5.88	-2.43	8.68	7.09
		6	3006.12	-117.94	-524.18	-508.06	-134.06	79.28	19.72	0.60	1.94	18.39	4.88
839	7	912	3232.20	-22.19	-453.25	-453.25	-22.19	0.98	14.44	-6.22	-5.89	14.10	-2.61
		894	2325.87	-20.43	-293.20	-293.20	-20.44	-1.25	5.27	-9.50	-9.50	5.27	-0.16
		2	2442.95	-107.03	-371.71	-347.49	-131.24	76.31	11.61	-5.82	-2.66	8.44	6.72
		6	2824.49	-115.66	-504.85	-489.26	-131.24	76.31	18.02	0.50	1.50	17.02	4.06
839	8	912	3109.72	-20.44	-434.97	-434.96	-20.44	-1.25	14.25	-5.75	-5.34	13.85	-2.82
		894	1806.49	-11.91	-223.18	-219.35	-15.74	-28.18	4.76	-7.17	-7.17	4.76	-0.03

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		2	1821.67	-111.48	-288.66	-273.63	-126.51	49.36	9.03	-4.52	-2.16	6.66	5.14
		6	2107.95	-117.62	-400.59	-391.70	-126.51	49.36	13.61	0.41	1.00	13.02	2.73
		912	2473.75	-13.29	-339.87	-337.42	-15.74	-28.18	11.50	-4.39	-4.01	11.11	-2.44
839	9	894	1631.84	-14.86	-207.21	-205.51	-16.57	-18.04	2.54	-7.33	-7.31	2.51	-0.53
		2	1658.50	-96.11	-266.54	-251.73	-110.91	48.00	8.00	-4.01	-1.64	5.63	4.78
		6	2029.93	-102.09	-372.28	-363.47	-110.91	48.00	13.55	0.53	1.41	12.67	3.27
		912	2275.48	-15.49	-318.32	-317.24	-16.57	-18.04	9.84	-4.55	-4.25	9.55	-2.05
839	10	894	1596.17	-13.59	-201.74	-199.31	-16.02	-21.24	2.88	-6.97	-6.93	2.84	-0.58
		2	1588.27	-97.69	-260.39	-246.25	-111.82	45.83	7.42	-3.92	-1.78	5.28	4.44
		6	1901.98	-103.43	-362.05	-353.66	-111.82	45.83	12.42	0.59	1.19	11.82	2.58
		912	2221.72	-14.47	-308.25	-306.71	-16.02	-21.24	9.82	-4.40	-3.96	9.39	-2.44
839	11	894	1640.43	-16.41	-210.83	-210.83	-16.42	-1.30	2.45	-7.37	-7.34	2.42	-0.57
		2	1708.23	-78.72	-267.14	-249.83	-96.03	54.42	7.99	-4.02	-1.65	5.62	4.78
		6	2069.08	-85.08	-366.55	-355.60	-96.03	54.42	13.62	0.55	1.45	12.72	3.31
		912	2249.62	-16.41	-316.60	-316.59	-16.42	-1.30	9.81	-4.54	-4.24	9.52	-2.05
840	1	893	5906.90	85.72	-947.96	-945.84	83.60	-46.81	-1.81	-23.64	-20.55	-4.90	-7.61
		894	4910.85	139.81	-927.68	-921.38	133.51	-81.75	7.70	-6.54	-5.53	6.68	3.67
		912	6707.82	139.06	-1071.71	-1066.16	133.51	-81.75	31.61	-0.24	0.41	30.96	4.49
		911	7267.25	85.46	-1092.48	-1090.62	83.60	-46.81	20.68	-15.91	-14.61	19.38	-6.78
840	2	893	6219.42	84.54	-989.01	-980.97	76.49	-92.59	-1.01	-26.40	-20.56	-6.85	-10.69
		894	4991.67	131.06	-974.32	-960.84	117.57	-121.34	2.42	-7.11	-7.11	2.42	-0.19
		912	6532.28	129.33	-1134.39	-1122.63	117.57	-121.34	23.74	-1.51	-1.49	23.72	-0.69
		911	7441.08	83.48	-1149.75	-1142.76	76.49	-92.59	18.23	-18.72	-14.95	14.45	-11.19
840	3	893	5786.60	85.96	-921.02	-918.63	83.58	-48.94	-0.27	-22.50	-19.54	-3.23	-7.55
		894	4825.55	140.97	-900.74	-893.87	134.10	-84.31	7.71	-6.27	-5.54	6.98	3.11
		912	6537.74	140.16	-1040.49	-1034.44	134.10	-84.31	30.34	-0.19	0.16	29.99	3.26
		911	7131.14	85.67	-1061.29	-1059.20	83.58	-48.94	21.33	-15.40	-13.84	19.78	-7.40
840	4	893	5705.41	74.88	-911.57	-909.72	73.02	-42.75	-0.09	-22.15	-19.31	-2.94	-7.39
		894	4757.72	117.21	-895.36	-890.46	112.31	-70.26	7.54	-6.39	-5.69	6.84	3.06
		912	6432.50	116.60	-1040.40	-1036.11	112.31	-70.26	29.58	-0.37	-0.06	29.27	3.01
		911	7046.61	74.64	-1056.98	-1055.37	73.02	-42.75	21.09	-15.28	-13.69	19.50	-7.44
840	5	893	5712.55	73.59	-917.58	-915.54	71.55	-44.87	-0.36	-22.17	-19.29	-3.25	-7.39
		894	4774.19	113.60	-902.33	-897.37	108.64	-70.83	7.09	-6.56	-5.93	6.46	2.86
		912	6402.87	112.95	-1053.83	-1049.51	108.64	-70.83	28.32	-0.74	-0.45	28.02	2.92
		911	7019.82	73.32	-1069.45	-1067.68	71.55	-44.87	19.91	-15.40	-13.80	18.31	-7.34
840	6	893	5819.56	74.93	-936.15	-934.73	73.50	-37.91	-1.47	-23.20	-20.29	-4.38	-7.40
		894	4848.18	114.54	-920.51	-916.56	110.58	-63.87	7.75	-6.65	-5.64	6.74	3.68
		912	6608.83	114.04	-1068.58	-1065.12	110.58	-63.87	31.10	-0.35	0.24	30.51	4.27
		911	7182.55	74.75	-1084.53	-1083.29	73.50	-37.91	20.70	-15.73	-14.41	19.38	-6.81
840	7	893	5645.99	73.36	-904.05	-902.60	71.91	-37.69	-0.28	-21.85	-19.23	-2.90	-7.04
		894	4733.60	112.69	-888.62	-884.59	108.65	-63.41	7.96	-6.44	-5.58	7.10	3.42
		912	6401.53	112.18	-1030.69	-1027.16	108.65	-63.41	29.97	-0.37	0.06	29.54	3.55
		911	6974.14	73.18	-1046.44	-1045.17	71.91	-37.69	20.93	-14.98	-13.59	19.55	-6.91
840	8	893	4493.82	67.62	-713.72	-711.93	65.82	-37.38	0.25	-17.09	-15.00	-1.85	-5.66
		894	3775.19	111.16	-697.64	-692.32	105.84	-65.39	6.50	-4.90	-4.30	5.90	2.54
		912	5090.18	110.54	-803.14	-798.44	105.84	-65.39	23.88	-0.15	0.13	23.60	2.57
		911	5535.93	67.40	-819.62	-818.04	65.82	-37.38	17.00	-11.72	-10.57	15.85	-5.63
840	9	893	4125.02	58.53	-662.56	-661.03	57.00	-33.15	-1.52	-16.82	-14.46	-3.88	-5.52
		894	3402.54	94.78	-648.97	-644.64	90.45	-56.57	4.89	-4.54	-3.89	4.24	2.38
		912	4664.73	94.25	-752.90	-749.10	90.45	-56.57	21.66	-0.16	0.24	21.25	2.95
		911	5078.01	58.34	-766.83	-765.49	57.00	-33.15	14.13	-11.33	-10.32	13.13	-4.95
840	10	893	4057.41	58.66	-647.59	-645.92	56.99	-34.34	-0.67	-16.18	-13.90	-2.95	-5.49
		894	3355.18	95.42	-634.00	-629.36	90.78	-57.99	4.89	-4.38	-3.90	4.41	2.07
		912	4570.55	94.85	-735.55	-731.48	90.78	-57.99	20.96	-0.14	0.10	20.71	2.27
		911	5002.47	58.45	-749.50	-748.04	56.99	-34.34	14.50	-11.05	-9.90	13.35	-5.29
840	11	893	4075.99	52.52	-655.99	-654.86	51.39	-28.21	-1.33	-16.57	-14.32	-3.59	-5.41
		894	3367.35	80.72	-644.97	-641.97	77.71	-46.63	4.92	-4.60	-3.95	4.27	2.39
		912	4609.67	80.34	-751.15	-748.52	77.71	-46.63	21.37	-0.23	0.15	21.00	2.83
		911	5030.83	52.37	-762.40	-761.42	51.39	-28.21	14.15	-11.23	-10.22	13.14	-4.96
841	1	892	8275.81	76.57	-1421.06	-1420.42	75.94	-30.92	1.66	-28.60	-24.28	-2.66	-10.59
		893	7418.36	174.36	-1381.00	-1375.09	168.45	-95.68	7.54	-11.28	-11.26	7.52	-0.60
		911	8970.92	173.90	-1512.67	-1507.23	168.45	-95.68	30.74	-5.60	-5.60	30.74	0.09
		910	9529.65	76.52	-1553.15	-1552.56	75.94	-30.92	22.91	-20.98	-18.62	20.55	-9.90
841	2	892	8888.00	82.75	-1521.40	-1516.89	78.24	-84.96	5.63	-28.76	-23.31	0.18	-12.56
		893	8136.78	186.89	-1484.24	-1470.42	173.07	-151.35	6.84	-15.16	-14.03	5.72	-4.86
		911	9417.57	185.60	-1655.21	-1642.68	173.07	-151.35	22.67	-10.81	-9.59	21.45	-6.27
		910	1.005e+04	82.31	-1693.22	-1689.15	78.24	-84.96	20.84	-23.79	-18.87	15.92	-13.98
841	3	892	8119.27	75.06	-1381.81	-1381.20	74.45	-29.80	3.89	-27.07	-23.06	-0.12	-10.40
		893	7316.32	174.63	-1341.14	-1335.08	168.57	-95.69	8.80	-11.02	-10.96	8.74	-1.05
		911	8841.27	174.13	-1476.92	-1471.36	168.57	-95.69	30.57	-5.67	-5.64	30.54	-0.98
		910	9395.02	75.01	-1518.03	-1517.47	74.45	-29.80	24.22	-20.28	-17.74	21.67	-10.33
841	4	892	8083.12	70.69	-1372.52	-1371.46	69.64	-38.99	4.11	-26.83	-22.90	0.18	-10.30

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		893	7268.70	157.23	-1337.76	-1331.57	151.05	-95.98	8.80	-11.13	-11.06	8.73	-1.12
		911	8811.15	156.67	-1487.20	-1481.58	151.05	-95.98	30.10	-5.88	-5.84	30.06	-1.17
		910	9394.54	70.59	-1522.42	-1521.47	69.64	-38.99	24.07	-20.24	-17.68	21.50	-10.36
841	5	892	8111.27	71.27	-1385.74	-1384.58	70.11	-41.05	3.80	-26.68	-22.80	-0.08	-10.16
		893	7338.82	158.02	-1351.04	-1344.64	151.62	-98.10	8.21	-11.67	-11.58	8.12	-1.36
		911	8793.08	157.43	-1502.91	-1497.09	151.62	-98.10	28.10	-6.60	-6.55	28.04	-1.40
		910	9356.82	71.16	-1538.08	-1537.03	70.11	-41.05	22.43	-20.36	-17.77	19.84	-10.21
841	6	892	8230.45	72.48	-1408.86	-1408.01	71.64	-35.35	2.04	-28.31	-24.11	-2.15	-10.47
		893	7367.57	158.20	-1373.87	-1368.31	152.65	-92.06	7.78	-11.32	-11.30	7.76	-0.62
		911	8939.62	157.73	-1516.41	-1511.33	152.65	-92.06	30.63	-5.71	-5.71	30.63	-0.05
		910	9520.80	72.41	-1551.80	-1551.03	71.64	-35.35	23.08	-20.88	-18.52	20.72	-9.91
841	7	892	7991.54	70.03	-1359.67	-1358.82	69.19	-34.73	3.50	-26.73	-22.90	-0.33	-10.06
		893	7183.43	153.96	-1325.51	-1319.99	148.44	-90.21	8.64	-10.94	-10.91	8.61	-0.75
		911	8710.45	153.48	-1467.35	-1462.32	148.44	-90.21	30.27	-5.59	-5.58	30.26	-0.57
		910	9272.46	69.95	-1501.92	-1501.15	69.19	-34.73	23.69	-19.94	-17.57	21.32	-9.88
841	8	892	6296.66	58.38	-1068.98	-1068.57	57.96	-21.73	3.48	-20.71	-17.74	0.51	-7.93
		893	5688.66	136.04	-1037.13	-1032.55	131.46	-73.17	7.34	-8.46	-8.43	7.31	-0.69
		911	6864.58	135.67	-1138.91	-1134.69	131.46	-73.17	24.24	-4.29	-4.28	24.22	-0.68
		910	7282.12	58.34	-1171.09	-1170.71	57.96	-21.73	19.33	-15.50	-13.59	17.42	-7.93
841	9	892	5793.59	53.16	-995.54	-995.02	52.64	-23.39	1.00	-20.20	-17.04	-2.16	-7.55
		893	5181.59	120.75	-968.01	-963.74	116.48	-68.08	4.93	-7.97	-7.94	4.90	-0.60
		911	6276.57	120.40	-1065.40	-1061.48	116.48	-68.08	21.01	-4.05	-4.05	21.01	-0.15
		910	6682.86	53.11	-1093.24	-1092.76	52.64	-23.39	15.70	-14.89	-13.14	13.95	-7.09
841	10	892	5705.79	52.32	-973.73	-973.23	51.81	-22.78	2.23	-19.34	-16.36	-0.75	-7.44
		893	5124.65	120.91	-945.87	-941.51	116.55	-68.09	5.63	-7.83	-7.78	5.58	-0.85
		911	6204.87	120.54	-1045.54	-1041.55	116.55	-68.09	20.92	-4.09	-4.07	20.90	-0.74
		910	6607.81	52.27	-1073.73	-1073.27	51.81	-22.78	16.43	-14.50	-12.65	14.58	-7.33
841	11	892	5768.39	50.89	-988.77	-988.13	50.25	-25.86	1.21	-20.03	-16.95	-1.87	-7.48
		893	5153.39	111.78	-964.05	-959.97	107.70	-66.07	5.06	-8.00	-7.97	5.03	-0.61
		911	6259.40	111.42	-1067.48	-1063.76	107.70	-66.07	20.95	-4.11	-4.11	20.95	-0.23
		910	6678.04	50.83	-1092.50	-1091.91	50.25	-25.86	15.79	-14.83	-13.09	14.05	-7.10
842	1	891	1.001e+04	69.68	-1768.30	-1768.12	69.50	-18.17	7.45	-29.78	-25.12	2.79	-12.33
		892	9439.55	138.70	-1737.58	-1735.32	136.45	-65.03	10.60	-17.44	-16.52	9.68	-4.99
		910	1.050e+04	138.59	-1836.80	-1834.66	136.45	-65.03	28.07	-12.27	-11.66	27.46	-4.89
		909	1.094e+04	69.67	-1867.63	-1867.46	69.50	-18.17	23.95	-23.64	-20.26	20.57	-12.23
842	2	891	1.100e+04	77.12	-1934.68	-1932.47	74.91	-66.69	15.55	-27.10	-22.93	11.39	-12.66
		892	1.076e+04	165.96	-1899.19	-1891.58	158.35	-125.10	13.58	-23.12	-20.53	10.99	-9.39
		910	1.159e+04	165.38	-2069.25	-2062.22	158.35	-125.10	19.97	-21.96	-18.02	16.03	-12.24
		909	1.183e+04	76.95	-2105.15	-2103.11	74.91	-66.69	22.09	-26.08	-20.43	16.43	-15.50
842	3	891	9842.88	66.88	-1720.41	-1720.27	66.73	-16.27	10.37	-27.88	-23.71	6.20	-11.92
		892	9327.34	136.38	-1689.43	-1687.22	134.17	-63.47	12.77	-16.97	-16.01	11.80	-5.28
		910	1.040e+04	136.25	-1802.74	-1800.66	134.17	-63.47	28.72	-12.42	-11.60	27.90	-5.75
		909	1.082e+04	66.87	-1833.85	-1833.71	66.73	-16.27	25.71	-22.72	-19.31	22.30	-12.39
842	4	891	9848.31	67.94	-1717.18	-1716.77	67.53	-27.23	10.40	-27.88	-23.70	6.22	-11.93
		892	9326.40	135.03	-1687.99	-1685.10	132.15	-72.47	12.77	-17.02	-16.04	11.78	-5.33
		910	1.044e+04	134.85	-1812.29	-1809.59	132.15	-72.47	28.60	-12.51	-11.67	27.77	-5.80
		909	1.086e+04	67.91	-1841.64	-1841.25	67.53	-27.23	25.63	-22.76	-19.34	22.21	-12.40
842	5	891	9886.08	69.35	-1735.28	-1734.83	68.90	-28.54	9.95	-27.68	-23.59	5.87	-11.71
		892	9419.85	137.06	-1705.88	-1702.90	134.07	-74.16	11.95	-17.82	-16.74	10.87	-5.57
		910	1.042e+04	136.87	-1827.54	-1824.74	134.07	-74.16	26.21	-13.53	-12.56	25.24	-6.12
		909	1.081e+04	69.32	-1857.10	-1856.67	68.90	-28.54	23.72	-22.90	-19.41	20.24	-12.26
842	6	891	9997.11	70.49	-1759.89	-1759.56	70.16	-24.71	7.73	-29.68	-25.07	3.12	-12.30
		892	9422.36	136.62	-1730.84	-1728.26	134.04	-69.42	10.86	-17.39	-16.48	9.96	-4.97
		910	1.052e+04	136.48	-1839.51	-1837.06	134.04	-69.42	28.35	-12.24	-11.64	27.75	-4.92
		909	1.097e+04	70.47	-1868.68	-1868.36	70.16	-24.71	24.28	-23.60	-20.23	20.91	-12.24
842	7	891	9720.33	67.56	-1698.79	-1698.46	67.23	-24.13	9.41	-27.98	-23.77	5.21	-11.81
		892	9188.65	132.34	-1670.37	-1667.80	129.78	-67.91	12.14	-16.71	-15.83	11.25	-4.97
		910	1.028e+04	132.19	-1784.12	-1781.71	129.78	-67.91	28.55	-11.96	-11.28	27.87	-5.21
		909	1.070e+04	67.54	-1812.67	-1812.36	67.23	-24.13	25.10	-22.50	-19.23	21.83	-12.05
842	8	891	7628.47	51.55	-1329.49	-1329.40	51.45	-11.49	8.53	-21.38	-18.25	5.40	-9.16
		892	7234.87	105.10	-1305.54	-1303.91	103.47	-47.90	10.42	-13.01	-12.30	9.72	-3.99
		910	8062.05	105.01	-1390.29	-1388.75	103.47	-47.90	22.87	-9.46	-8.85	22.27	-4.38
		909	8380.96	51.54	-1414.33	-1414.24	51.45	-11.49	20.53	-17.38	-14.80	17.95	-9.55
842	9	891	7016.03	49.00	-1240.86	-1240.71	48.84	-14.22	5.10	-20.94	-17.62	1.77	-8.70
		892	6616.22	97.71	-1219.29	-1217.60	96.01	-47.23	7.18	-12.36	-11.65	6.48	-3.64
		910	7369.09	97.61	-1294.53	-1292.92	96.01	-47.23	19.19	-8.81	-8.33	18.72	-3.62
		909	7682.00	48.99	-1316.18	-1316.03	48.84	-14.22	16.45	-16.74	-14.30	14.01	-8.67
842	10	891	6923.88	47.44	-1214.26	-1214.12	47.30	-13.16	6.72	-19.88	-16.83	3.67	-8.47
		892	6553.44	96.41	-1192.54	-1190.87	94.74	-46.37	8.39	-12.10	-11.37	7.66	-3.80
		910	7316.10	96.31	-1275.61	-1274.04	94.74	-46.37	19.56	-8.90	-8.30	18.96	-4.09
		909	7617.39	47.43	-1297.41	-1297.28	47.30	-13.16	17.43	-16.23	-13.77	14.97	-8.76
842	11	891	7010.47	49.46	-1236.20	-1235.95	49.21	-17.85	5.25	-20.89	-17.59	1.96	-8.68

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		892	6606.72	96.56	-1215.55	-1213.67	94.67	-49.68	7.33	-12.33	-11.63	6.63	-3.63
		910	7382.37	96.45	-1296.03	-1294.26	94.67	-49.68	19.35	-8.80	-8.32	18.87	-3.63
		909	7700.33	49.44	-1316.77	-1316.54	49.21	-17.85	16.64	-16.72	-14.28	14.20	-8.68
843	1	890	1.107e+04	75.85	-1975.55	-1975.41	75.71	-16.63	13.80	-28.52	-23.76	9.04	-13.38
		891	1.084e+04	106.00	-1961.57	-1960.90	105.33	-37.36	14.77	-22.82	-20.39	12.34	-9.24
		909	1.136e+04	105.98	-2020.26	-2019.61	105.33	-37.36	24.99	-18.83	-16.64	22.80	-9.55
		908	1.155e+04	75.84	-2034.25	-2034.12	75.71	-16.63	23.77	-24.28	-20.01	19.50	-13.68
843	2	890	1.250e+04	93.67	-2195.19	-2193.72	92.20	-57.98	26.81	-23.15	-20.35	24.01	-11.49
		891	1.271e+04	140.88	-2175.04	-2171.57	137.40	-89.62	21.24	-29.25	-25.40	17.39	-13.41
		909	1.322e+04	140.59	-2379.55	-2376.36	137.40	-89.62	16.60	-32.69	-25.54	9.44	-17.36
		908	1.297e+04	93.55	-2399.86	-2398.51	92.20	-57.98	21.72	-26.15	-20.49	16.07	-15.45
843	3	890	1.092e+04	72.71	-1924.15	-1924.06	72.62	-13.57	17.23	-26.38	-22.27	13.12	-12.75
		891	1.074e+04	103.81	-1909.98	-1909.07	103.20	-34.98	17.56	-22.06	-19.73	15.23	-9.33
		909	1.130e+04	103.78	-1989.60	-1989.02	103.20	-34.98	26.22	-18.90	-16.51	23.83	-10.10
		908	1.146e+04	72.71	-2004.09	-2004.00	72.62	-13.57	25.80	-23.13	-19.05	21.72	-13.52
843	4	890	1.094e+04	74.79	-1924.62	-1924.35	74.52	-23.33	17.15	-26.46	-22.32	13.01	-12.79
		891	1.076e+04	106.93	-1909.98	-1908.97	105.91	-45.30	17.50	-22.09	-19.74	15.15	-9.35
		909	1.136e+04	106.89	-1998.50	-1997.52	105.91	-45.30	26.19	-18.92	-16.53	23.80	-10.10
		908	1.152e+04	74.78	-2013.17	-2012.91	74.52	-23.33	25.74	-23.19	-19.11	21.66	-13.54
843	5	890	1.098e+04	76.43	-1945.26	-1944.98	76.14	-23.98	16.58	-26.25	-22.21	12.54	-12.52
		891	1.086e+04	109.03	-1930.43	-1929.38	107.98	-46.27	16.46	-23.03	-20.55	13.98	-9.58
		909	1.134e+04	108.99	-2012.24	-2011.23	107.98	-46.27	23.65	-20.19	-17.51	20.97	-10.51
		908	1.145e+04	76.42	-2027.11	-2026.83	76.14	-23.98	23.74	-23.37	-19.16	19.53	-13.44
843	6	890	1.107e+04	77.55	-1969.26	-1969.02	77.31	-22.33	14.07	-28.49	-23.76	9.34	-13.37
		891	1.084e+04	108.27	-1955.20	-1954.29	107.36	-43.37	15.04	-22.71	-20.32	12.64	-9.20
		909	1.140e+04	108.25	-2021.95	-2021.07	107.36	-43.37	25.46	-18.71	-16.55	23.30	-9.53
		908	1.160e+04	77.54	-2036.03	-2035.80	77.31	-22.33	24.24	-24.24	-20.00	19.99	-13.71
843	7	890	1.078e+04	74.19	-1901.71	-1901.48	73.95	-21.57	15.85	-26.73	-22.45	11.58	-12.80
		891	1.058e+04	104.54	-1887.83	-1886.93	103.64	-42.35	16.53	-21.76	-19.50	14.26	-9.04
		909	1.116e+04	104.50	-1964.42	-1963.56	103.64	-42.35	25.98	-18.22	-16.04	23.80	-9.58
		908	1.133e+04	74.18	-1978.33	-1978.10	73.95	-21.57	25.14	-23.02	-19.00	21.11	-13.33
843	8	890	8461.73	55.98	-1486.11	-1486.05	55.92	-9.81	13.87	-20.26	-17.14	10.74	-9.85
		891	8325.95	79.62	-1475.08	-1474.65	79.18	-26.09	14.15	-16.91	-15.16	12.40	-7.16
		909	8753.80	79.61	-1534.30	-1533.88	79.18	-26.09	20.94	-14.42	-12.63	19.15	-7.76
		908	8876.81	55.98	-1545.34	-1545.28	55.92	-9.81	20.59	-17.70	-14.60	17.49	-10.44
843	9	890	7764.77	53.44	-1387.59	-1387.48	53.33	-12.54	9.60	-19.99	-16.65	6.26	-9.36
		891	7612.02	75.25	-1377.52	-1377.00	74.73	-27.52	10.18	-16.13	-14.38	8.42	-6.57
		909	7990.65	75.24	-1424.66	-1424.15	74.73	-27.52	17.10	-13.46	-11.84	15.48	-6.84
		908	8124.00	53.44	-1434.74	-1434.64	53.33	-12.54	16.37	-17.17	-14.12	13.33	-9.64
843	10	890	7683.28	51.70	-1359.03	-1358.95	51.62	-10.84	11.50	-18.80	-15.82	8.53	-9.01
		891	7555.28	74.03	-1348.69	-1348.20	73.55	-26.19	11.72	-15.71	-14.01	10.02	-6.61
		909	7958.33	74.01	-1407.62	-1407.16	73.55	-26.19	17.78	-13.50	-11.77	16.05	-7.15
		908	8074.67	51.70	-1417.99	-1417.91	51.62	-10.84	17.50	-16.52	-13.59	14.56	-9.55
843	11	890	7766.91	54.39	-1384.10	-1383.93	54.22	-15.70	9.75	-19.97	-16.66	6.43	-9.36
		891	7609.59	76.52	-1373.98	-1373.32	75.86	-30.85	10.32	-16.07	-14.34	8.59	-6.54
		909	8013.11	76.50	-1425.60	-1424.97	75.86	-30.85	17.36	-13.40	-11.80	15.76	-6.83
		908	8150.70	54.38	-1435.74	-1435.57	54.22	-15.70	16.63	-17.14	-14.11	13.60	-9.65
844	1	889	1.135e+04	88.81	-2028.98	-2028.63	88.46	-27.14	20.33	-24.48	-19.98	15.82	-13.48
		890	1.155e+04	80.77	-2032.73	-2032.51	80.55	-21.60	19.19	-26.99	-22.82	15.01	-13.25
		908	1.145e+04	80.77	-2043.99	-2043.77	80.55	-21.60	20.46	-25.24	-20.58	15.81	-13.82
		907	1.126e+04	88.81	-2040.24	-2039.89	88.46	-27.14	21.64	-22.76	-17.74	16.62	-14.05
844	2	889	1.307e+04	98.29	-2302.83	-2302.83	98.28	-3.41	36.68	-16.90	-15.33	35.10	-9.06
		890	1.384e+04	149.34	-2278.73	-2278.11	148.73	-38.72	28.47	-33.32	-28.43	23.58	-16.69
		908	1.368e+04	149.31	-2438.99	-2438.41	148.73	-38.72	11.78	-40.75	-31.31	2.35	-20.17
		907	1.273e+04	98.29	-2463.13	-2463.12	98.28	-3.41	18.19	-22.52	-18.20	13.88	-12.54
844	3	889	1.124e+04	85.28	-1977.92	-1977.68	85.04	-22.44	24.03	-22.28	-18.52	20.28	-12.64
		890	1.146e+04	79.02	-1980.86	-1980.70	78.86	-18.12	22.31	-25.91	-22.06	18.46	-13.07
		908	1.142e+04	79.02	-2017.83	-2017.67	78.86	-18.12	22.04	-25.00	-20.38	17.43	-14.00
		907	1.120e+04	85.28	-2014.89	-2014.65	85.04	-22.44	23.78	-21.37	-16.84	19.25	-13.56
844	4	889	1.127e+04	87.40	-1981.71	-1981.28	86.97	-29.87	23.88	-22.40	-18.61	20.09	-12.69
		890	1.149e+04	83.16	-1983.67	-1983.32	82.81	-26.96	22.20	-25.95	-22.08	18.34	-13.09
		908	1.148e+04	83.16	-2027.23	-2026.88	82.81	-26.96	22.05	-24.99	-20.38	17.44	-13.99
		907	1.126e+04	87.39	-2025.27	-2024.85	86.97	-29.87	23.74	-21.45	-16.91	19.19	-13.60
844	5	889	1.130e+04	89.14	-2002.83	-2002.40	88.71	-30.07	23.27	-22.16	-18.48	19.58	-12.40
		890	1.159e+04	85.04	-2004.73	-2004.37	84.68	-27.25	21.03	-26.97	-22.94	17.00	-13.31
		908	1.147e+04	85.03	-2038.95	-2038.60	84.68	-27.25	19.59	-26.50	-21.39	14.48	-14.48
		907	1.118e+04	89.13	-2037.05	-2036.63	88.71	-30.07	21.81	-21.68	-16.93	17.06	-13.57
844	6	889	1.137e+04	90.37	-2024.69	-2024.24	89.92	-30.86	20.66	-24.47	-20.00	16.18	-13.49
		890	1.155e+04	84.00	-2027.63	-2027.30	83.67	-26.49	19.50	-26.84	-22.73	15.38	-13.18
		908	1.150e+04	84.00	-2045.53	-2045.20	83.67	-26.49	21.09	-25.03	-20.45	16.50	-13.80
		907	1.131e+04	90.36	-2042.59	-2042.15	89.92	-30.86	22.28	-22.70	-17.72	17.30	-14.11
844	7	889	1.109e+04	86.48	-1956.14	-1955.71	86.05	-29.64	22.39	-22.79	-18.79	18.38	-12.84

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		890	1.129e+04	80.81	-1958.76	-1958.43	80.49	-25.75	21.03	-25.67	-21.81	17.18	-12.86
		908	1.126e+04	80.81	-1990.11	-1989.79	80.49	-25.75	21.77	-24.27	-19.83	17.34	-13.58
		907	1.106e+04	86.48	-1987.48	-1987.06	86.05	-29.64	23.15	-21.42	-16.81	18.54	-13.57
844	8	889	8709.20	65.71	-1527.01	-1526.83	65.53	-17.12	19.12	-17.12	-14.24	16.24	-9.80
		890	8881.39	60.45	-1529.49	-1529.37	60.34	-13.48	17.83	-19.90	-16.96	14.89	-10.10
		908	8838.51	60.45	-1555.71	-1555.60	60.34	-13.48	17.66	-19.12	-15.62	14.16	-10.79
		907	8665.56	65.71	-1553.23	-1553.05	65.53	-17.12	18.97	-16.35	-12.89	15.51	-10.49
844	9	889	7970.65	62.50	-1426.13	-1425.89	62.25	-19.18	14.23	-17.11	-14.00	11.12	-9.37
		890	8112.19	57.58	-1428.43	-1428.26	57.41	-15.79	13.32	-19.03	-16.08	10.37	-9.31
		908	8063.41	57.58	-1442.37	-1442.20	57.41	-15.79	14.02	-17.96	-14.62	10.67	-9.79
		907	7923.03	62.50	-1440.08	-1439.83	62.25	-19.18	14.94	-16.05	-12.53	11.42	-9.84
844	10	889	7908.90	60.54	-1397.77	-1397.58	60.35	-16.57	16.28	-15.88	-13.19	13.59	-8.90
		890	8064.82	56.61	-1399.61	-1399.48	56.48	-13.86	15.05	-18.43	-15.66	12.29	-9.21
		908	8047.41	56.61	-1427.84	-1427.71	56.48	-13.86	14.89	-17.83	-14.50	11.57	-9.88
		907	7890.48	60.54	-1425.99	-1425.81	60.35	-16.57	16.13	-15.28	-12.03	12.88	-9.57
844	11	889	7979.25	63.36	-1423.75	-1423.45	63.06	-21.25	14.41	-17.10	-14.01	11.32	-9.37
		890	8114.99	59.38	-1425.60	-1425.37	59.15	-18.51	13.49	-18.95	-16.03	10.58	-9.27
		908	8089.58	59.38	-1443.23	-1443.00	59.15	-18.51	14.36	-17.85	-14.54	11.06	-9.78
		907	7955.15	63.36	-1441.38	-1441.08	63.06	-21.25	15.30	-16.02	-12.52	11.79	-9.87
845	1	888	1.080e+04	100.54	-1920.43	-1919.16	99.27	-50.73	26.82	-17.27	-13.53	23.08	-12.29
		889	1.150e+04	55.49	-1940.90	-1940.70	55.29	-19.95	23.34	-29.95	-23.89	17.29	-16.92
		907	1.071e+04	55.50	-1898.32	-1898.12	55.29	-19.95	13.72	-32.15	-23.77	5.34	-17.72
		906	9937.59	100.57	-1877.87	-1876.57	99.27	-50.73	16.80	-19.08	-13.41	11.13	-13.10
845	2	888	1.253e+04	111.52	-2182.50	-2182.39	111.42	-15.76	43.09	-9.82	-8.99	42.27	-6.56
		889	1.363e+04	64.59	-2205.53	-2205.40	64.47	17.10	31.84	-35.37	-29.91	26.38	-18.36
		907	1.245e+04	64.59	-2214.77	-2214.64	64.47	17.10	6.03	-45.87	-33.72	6.12	-21.97
		906	1.090e+04	111.52	-2191.74	-2191.63	111.42	-15.76	13.68	-16.70	-12.80	9.77	-10.17
845	3	888	1.073e+04	96.06	-1873.09	-1872.11	95.08	-43.90	30.54	-15.24	-12.26	27.56	-11.29
		889	1.143e+04	53.85	-1892.48	-1892.37	53.74	-14.95	26.50	-28.53	-23.08	21.05	-16.44
		907	1.070e+04	53.85	-1877.34	-1877.23	53.74	-14.95	15.43	-31.30	-23.46	7.58	-17.47
		906	9908.60	96.07	-1857.95	-1856.97	95.08	-43.90	18.90	-17.45	-12.64	14.09	-12.32
845	4	888	1.077e+04	98.39	-1879.87	-1878.67	97.19	-48.67	30.39	-15.36	-12.34	27.37	-11.36
		889	1.147e+04	58.31	-1898.07	-1897.83	58.08	-21.30	26.39	-28.59	-23.11	20.92	-16.47
		907	1.076e+04	58.31	-1888.93	-1888.70	58.08	-21.30	15.42	-31.32	-23.46	7.56	-17.48
		906	9972.58	98.39	-1870.74	-1869.53	97.19	-48.67	18.87	-17.54	-12.69	14.02	-12.37
845	5	888	1.079e+04	100.15	-1899.54	-1898.36	98.97	-48.54	29.86	-15.07	-12.17	26.95	-11.05
		889	1.156e+04	59.98	-1917.80	-1917.58	59.75	-21.08	25.22	-29.63	-23.96	19.55	-16.69
		907	1.077e+04	59.98	-1898.21	-1897.98	59.75	-21.08	13.28	-33.10	-24.46	4.64	-18.06
		906	9896.96	100.17	-1879.96	-1878.77	98.97	-48.54	17.20	-17.83	-12.67	12.04	-12.42
845	6	888	1.083e+04	101.67	-1918.02	-1916.67	100.32	-52.19	27.32	-17.22	-13.52	23.62	-12.29
		889	1.152e+04	58.62	-1937.49	-1937.23	58.36	-22.82	23.76	-29.76	-23.80	17.80	-16.84
		907	1.077e+04	58.62	-1900.67	-1900.40	58.36	-22.82	14.46	-31.87	-23.61	6.20	-17.74
		906	1.000e+04	101.69	-1881.21	-1879.84	100.32	-52.19	17.64	-18.95	-13.34	12.02	-13.19
845	7	888	1.058e+04	97.32	-1853.91	-1852.62	96.03	-50.14	28.81	-15.82	-12.55	25.54	-11.63
		889	1.126e+04	56.04	-1872.59	-1872.34	55.79	-21.97	25.16	-28.41	-22.85	19.59	-16.34
		907	1.054e+04	56.04	-1851.73	-1851.48	55.79	-21.97	15.17	-30.71	-22.91	7.37	-17.23
		906	9784.92	97.33	-1833.07	-1831.76	96.03	-50.14	18.37	-17.67	-12.61	13.31	-12.52
845	8	888	8316.45	74.09	-1445.50	-1444.73	73.32	-34.16	24.12	-11.70	-9.39	21.81	-8.80
		889	8855.35	41.04	-1460.68	-1460.59	40.95	-11.50	21.05	-21.95	-17.75	16.85	-12.76
		907	8270.24	41.04	-1446.76	-1446.67	40.95	-11.50	12.44	-24.00	-18.01	6.46	-13.50
		906	7662.26	74.10	-1431.58	-1430.81	73.32	-34.16	15.10	-13.33	-9.65	11.41	-9.55
845	9	888	7587.08	70.60	-1350.69	-1349.83	69.74	-34.96	18.84	-12.01	-9.48	16.30	-8.48
		889	8082.92	39.72	-1364.74	-1364.61	39.58	-13.85	16.28	-21.05	-16.83	12.06	-11.82
		907	7554.34	39.72	-1340.78	-1340.64	39.58	-13.85	9.39	-22.76	-16.83	3.46	-12.46
		906	7004.74	70.62	-1326.74	-1325.86	69.74	-34.96	11.64	-13.42	-9.48	7.70	-9.12
845	10	888	7552.06	68.11	-1324.39	-1323.69	67.42	-31.17	20.91	-10.89	-8.77	18.79	-7.92
		889	8043.21	38.81	-1337.84	-1337.75	38.72	-11.08	18.03	-20.26	-16.38	14.15	-11.56
		907	7543.71	38.81	-1329.12	-1329.03	38.72	-11.08	10.34	-22.28	-16.66	4.71	-12.32
		906	6988.22	68.12	-1315.67	-1314.97	67.42	-31.17	12.80	-12.51	-9.05	9.35	-8.69
845	11	888	7603.60	71.23	-1349.35	-1348.45	70.32	-35.77	19.12	-11.99	-9.47	16.60	-8.48
		889	8092.52	41.46	-1362.85	-1362.68	41.29	-15.45	16.51	-20.94	-16.78	12.35	-11.78
		907	7582.54	41.46	-1342.08	-1341.91	41.29	-15.45	9.80	-22.60	-16.75	3.94	-12.47
		906	7041.09	71.24	-1328.59	-1327.68	70.32	-35.77	12.11	-13.35	-9.44	8.20	-9.17
846	1	887	9354.84	104.45	-1642.63	-1638.30	100.11	-86.91	32.18	-7.43	-4.86	29.61	-9.77
		888	1.062e+04	23.07	-1676.98	-1676.36	22.45	-32.54	26.34	-31.43	-23.42	18.32	-19.97
		906	9230.75	23.11	-1575.09	-1574.42	22.45	-32.54	5.38	-39.94	-26.04	8.53	-20.90
		905	7601.82	104.72	-1540.97	-1536.37	100.11	-86.91	9.50	-14.22	-7.48	2.76	-10.70
846	2	887	1.089e+04	117.47	-1865.06	-1864.30	116.70	-38.86	45.81	-1.84	-1.48	45.45	-4.14
		888	1.232e+04	36.15	-1904.01	-1903.85	35.99	17.64	32.90	-34.58	-28.25	26.57	-19.68
		906	1.049e+04	36.15	-1803.48	-1803.31	35.99	17.64	0.08	-48.90	-33.52	-15.31	-22.73
		905	8268.88	117.51	-1764.56	-1763.76	116.70	-38.86	7.27	-10.44	-6.75	3.57	-7.20
846	3	887	9348.44	98.42	-1602.06	-1598.52	94.88	-77.46	35.70	-5.81	-3.90	33.79	-8.71

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		888	1.055e+04	20.99	-1635.31	-1634.92	20.60	-25.46	29.28	-29.69	-22.58	22.17	-19.20
		906	9179.40	21.01	-1559.41	-1559.00	20.60	-25.46	6.93	-38.12	-25.57	-5.62	-20.20
		905	7587.10	98.58	-1526.30	-1522.60	94.88	-77.46	11.20	-12.10	-6.88	5.99	-9.71
846	4	887	9391.07	100.92	-1611.26	-1607.59	97.25	-79.17	35.68	-5.84	-3.91	33.75	-8.73
		888	1.068e+04	26.15	-1643.18	-1642.68	25.65	-29.04	29.23	-29.80	-22.66	22.08	-19.25
		906	9262.24	26.17	-1575.73	-1575.20	25.65	-29.04	6.85	-38.30	-25.65	-5.80	-20.28
		905	7659.97	101.07	-1543.93	-1540.11	97.25	-79.17	11.15	-12.18	-6.90	5.87	-9.76
846	5	887	9409.73	102.65	-1627.59	-1623.99	99.05	-78.85	35.35	-5.50	-3.68	33.54	-8.42
		888	1.068e+04	27.52	-1659.76	-1659.28	27.04	-28.44	28.18	-30.79	-23.45	20.84	-19.47
		906	9303.84	27.54	-1582.02	-1581.52	27.04	-28.44	5.26	-40.34	-26.59	-8.50	-20.93
		905	7594.20	102.82	-1550.00	-1546.23	99.05	-78.85	10.00	-12.61	-6.81	4.21	-9.87
846	6	887	9403.93	104.33	-1641.63	-1637.41	100.11	-85.73	33.10	-7.21	-4.71	30.61	-9.71
		888	1.065e+04	25.72	-1674.83	-1674.18	25.07	-33.20	26.98	-31.25	-23.37	19.10	-19.92
		906	9285.35	25.76	-1579.32	-1578.63	25.07	-33.20	6.13	-39.72	-25.94	-7.65	-21.03
		905	7664.78	104.58	-1546.33	-1541.86	100.11	-85.73	10.45	-13.88	-7.28	3.85	-10.82
846	7	887	9208.55	99.83	-1587.51	-1583.49	95.80	-82.35	34.15	-6.29	-4.12	31.98	-9.11
		888	1.042e+04	24.15	-1619.51	-1618.90	23.53	-31.76	28.07	-29.77	-22.43	20.72	-19.26
		906	9079.44	24.18	-1541.47	-1540.83	23.53	-31.76	6.74	-37.97	-25.15	-6.09	-20.22
		905	7502.04	100.03	-1509.64	-1505.42	95.80	-82.35	10.89	-12.57	-6.83	5.16	-10.08
846	8	887	7242.29	75.94	-1235.73	-1232.93	73.14	-60.53	28.02	-4.45	-2.94	26.51	-6.84
		888	8173.08	15.70	-1261.54	-1261.23	15.39	-20.10	23.14	-22.88	-17.38	17.64	-14.93
		906	7089.66	15.72	-1200.73	-1200.40	15.39	-20.10	5.74	-29.28	-19.67	-3.88	-15.63
		905	5859.67	76.08	-1175.04	-1172.10	73.14	-60.53	8.99	-9.22	-5.22	4.99	-7.54
846	9	887	6580.78	73.10	-1156.08	-1153.18	70.21	-59.58	22.70	-5.08	-3.38	21.01	-6.65
		888	7461.96	16.75	-1179.97	-1179.57	16.35	-21.88	18.43	-22.02	-16.49	12.90	-13.90
		906	6512.87	16.78	-1114.05	-1113.63	16.35	-21.88	3.63	-28.13	-18.40	-6.11	-14.64
		905	5367.58	73.27	-1090.30	-1087.24	70.21	-59.58	6.60	-9.89	-5.29	2.00	-7.40
846	10	887	6577.47	69.76	-1133.54	-1131.08	67.30	-54.33	24.66	-4.18	-2.85	23.33	-6.06
		888	7425.08	15.60	-1156.82	-1156.55	15.33	-17.95	20.07	-21.05	-16.02	15.04	-13.47
		906	6484.09	15.61	-1105.34	-1105.06	15.33	-17.95	4.49	-27.12	-18.14	-4.49	-14.25
		905	5359.52	69.87	-1082.16	-1079.59	67.30	-54.33	7.54	-8.71	-4.96	3.79	-6.85
846	11	887	6608.20	73.04	-1155.52	-1152.69	70.21	-58.92	23.21	-4.95	-3.30	21.56	-6.62
		888	7482.98	18.22	-1178.78	-1178.36	17.81	-22.25	18.79	-21.92	-16.46	13.34	-13.87
		906	6543.11	18.25	-1116.40	-1115.96	17.81	-22.25	4.05	-28.01	-18.34	-5.62	-14.71
		905	5402.55	73.19	-1093.28	-1090.29	70.21	-58.92	7.13	-9.71	-5.18	2.61	-7.46
847	1	886	6520.49	-17.59	-1199.82	-1193.44	-23.97	-86.58	30.55	0.69	2.89	28.35	-7.80
		887	8491.99	-46.68	-1210.49	-1206.52	-50.65	-67.91	25.99	-29.99	-19.63	15.63	-21.74
		905	7000.96	-46.01	-1044.66	-1040.02	-50.65	-67.91	-1.55	-43.68	-24.86	-20.38	-20.95
		904	4355.87	-16.55	-1034.37	-1026.95	-23.97	-86.58	2.49	-12.48	-2.34	-7.65	-7.00
847	2	886	7596.97	-33.65	-1366.08	-1365.42	-34.31	-29.71	40.50	4.82	5.04	40.29	-2.78
		887	9482.25	-54.33	-1375.50	-1375.32	-54.51	-15.57	30.33	-30.34	-22.76	22.75	-20.06
		905	7587.02	-54.30	-1184.46	-1184.25	-54.51	-15.57	-4.84	-46.76	-29.49	-22.11	-20.63
		904	4705.99	-33.54	-1175.12	-1174.35	-34.31	-29.71	0.52	-6.78	-1.69	-4.57	-3.35
847	3	886	6554.50	-22.75	-1168.65	-1163.80	-27.61	-74.44	33.58	1.98	3.50	32.06	-6.76
		887	8409.63	-48.82	-1178.57	-1175.63	-51.76	-57.54	28.48	-27.93	-18.85	19.40	-20.73
		905	6845.63	-48.39	-1033.99	-1030.62	-51.76	-57.54	-0.39	-40.80	-24.26	-16.94	-19.87
		904	4291.96	-22.05	-1024.34	-1018.78	-27.61	-74.44	2.92	-9.11	-1.91	-4.29	-5.90
847	4	886	6590.82	-24.56	-1179.31	-1175.04	-28.84	-70.14	33.80	2.12	3.61	32.31	-6.69
		887	8472.80	-43.05	-1186.41	-1183.45	-46.01	-58.12	28.56	-28.11	-18.99	19.43	-20.83
		905	6961.03	-42.68	-1060.29	-1056.96	-46.01	-58.12	-0.61	-41.30	-24.49	-17.42	-20.03
		904	4381.18	-24.04	-1053.35	-1048.55	-28.84	-70.14	2.83	-9.25	-1.90	-4.53	-5.89
847	5	886	6596.95	-25.36	-1191.31	-1187.17	-29.50	-69.37	33.71	2.52	3.89	32.34	-6.39
		887	8527.31	-43.14	-1198.17	-1195.27	-46.04	-57.79	27.75	-28.98	-19.65	18.43	-21.02
		905	7043.31	-42.75	-1061.63	-1058.35	-46.04	-57.79	-1.57	-43.34	-25.27	-19.64	-20.69
		904	4338.76	-24.81	-1054.94	-1050.24	-29.50	-69.37	2.65	-10.11	-1.74	-5.72	-6.06
847	6	886	6572.57	-23.82	-1198.57	-1193.18	-29.20	-79.35	32.21	1.39	3.38	30.22	-7.58
		887	8551.68	-44.99	-1206.47	-1202.75	-48.72	-65.69	27.05	-29.85	-19.69	16.89	-21.79
		905	7071.07	-44.42	-1053.80	-1049.51	-48.72	-65.69	-0.98	-43.84	-24.97	-19.85	-21.28
		904	4376.83	-23.01	-1046.14	-1039.95	-29.20	-79.35	3.22	-11.65	-1.90	-6.52	-7.06
847	7	886	6451.69	-23.12	-1159.50	-1154.43	-28.19	-75.73	32.64	1.76	3.49	30.91	-7.10
		887	8345.92	-43.70	-1167.22	-1163.74	-47.18	-62.43	27.66	-28.30	-18.85	18.20	-20.97
		905	6866.56	-43.23	-1032.86	-1028.90	-47.18	-62.43	-0.56	-41.49	-24.14	-17.91	-20.22
		904	4282.86	-22.43	-1025.34	-1019.59	-28.19	-75.73	3.07	-10.08	-1.80	-5.21	-6.35
847	8	886	5076.97	-16.97	-900.33	-896.40	-20.90	-58.79	26.22	1.52	2.75	24.99	-5.37
		887	6515.38	-37.97	-908.27	-905.92	-40.32	-45.19	22.41	-21.57	-14.50	15.35	-16.15
		905	5280.17	-37.62	-794.57	-791.86	-40.32	-45.19	-0.07	-31.39	-18.67	-12.78	-15.38
		904	3305.96	-16.39	-786.86	-782.34	-20.90	-58.79	2.40	-6.96	-1.42	-3.14	-4.60
847	9	886	4592.11	-13.92	-845.45	-841.38	-18.00	-58.06	21.68	0.70	2.09	20.29	-5.22
		887	5965.91	-32.72	-852.44	-849.86	-35.30	-45.95	18.26	-20.92	-13.82	11.16	-15.09
		905	4935.10	-32.31	-741.27	-738.28	-35.30	-45.95	-1.18	-30.63	-17.55	-14.27	-14.64
		904	3077.69	-13.29	-734.50	-729.80	-18.00	-58.06	1.69	-8.46	-1.64	-5.14	-4.76
847	10	886	4612.48	-16.76	-828.16	-824.90	-20.02	-51.32	23.38	1.40	2.42	22.35	-4.64

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		887	5920.54	-33.89	-834.72	-832.70	-35.92	-40.19	19.64	-19.78	-13.39	13.26	-14.53
		905	4849.28	-33.61	-735.36	-733.05	-35.92	-40.19	-0.54	-29.03	-17.21	-12.36	-14.04
		904	3043.99	-16.30	-728.98	-725.26	-20.02	-51.32	1.92	-6.59	-1.40	-3.27	-4.15
847	11	886	4621.93	-17.36	-844.78	-841.23	-20.90	-54.04	22.61	1.08	2.36	21.33	-5.09
		887	5999.30	-31.77	-850.21	-847.76	-34.22	-44.72	18.85	-20.84	-13.86	11.86	-15.11
		905	4974.15	-31.42	-746.35	-743.55	-34.22	-44.72	-0.86	-30.72	-17.61	-13.98	-14.82
		904	3090.07	-16.85	-741.07	-737.02	-20.90	-54.04	2.09	-8.00	-1.40	-4.51	-4.80
848	1	1	2381.47	-109.17	-428.51	-428.41	-109.28	5.87	17.11	1.30	5.90	12.51	-7.18
		886	4167.64	-126.63	-438.60	-437.46	-127.76	18.81	19.10	-23.50	-9.82	5.43	-19.89
		904	3790.00	-126.26	-363.09	-361.59	-127.76	18.81	-3.45	-35.27	-16.84	-21.87	-15.71
		5	2057.91	-109.14	-352.67	-352.53	-109.28	5.87	-0.49	-15.42	-1.12	-14.79	-3.00
848	2	1	2716.93	-79.83	-534.04	-528.69	-85.18	49.01	21.39	6.25	6.88	20.76	-3.03
		886	4234.56	-123.80	-574.76	-556.54	-142.02	88.79	20.59	-20.46	-11.26	11.40	-17.12
		904	3521.28	-116.90	-455.93	-430.81	-142.02	88.79	-4.89	-32.36	-18.65	-18.60	-13.73
		5	1916.93	-77.79	-410.34	-402.96	-85.18	49.01	-0.49	-9.25	-0.50	-9.24	0.35
848	3	1	2362.13	-90.82	-411.56	-411.11	-91.27	11.99	18.79	3.03	6.15	15.67	-6.27
		886	4025.20	-118.32	-429.79	-426.15	-121.96	33.48	20.73	-21.03	-9.28	8.98	-18.78
		904	3467.55	-117.38	-366.30	-361.71	-121.96	33.48	-2.77	-31.72	-16.24	-18.24	-14.44
		5	1844.03	-90.71	-347.23	-346.67	-91.27	11.99	-0.48	-11.88	-0.82	-11.55	-1.93
848	4	1	2394.03	-85.66	-416.81	-415.75	-86.72	18.67	19.11	3.42	6.26	16.27	-6.04
		886	4038.78	-111.75	-435.37	-430.44	-116.68	39.64	20.81	-21.19	-9.45	9.07	-18.85
		904	3623.58	-111.52	-420.95	-415.78	-116.68	39.64	-3.04	-32.54	-16.69	-18.89	-14.71
		5	2061.98	-85.62	-402.21	-401.10	-86.72	18.67	-0.66	-12.02	-0.98	-11.69	-1.90
848	5	1	2422.64	-88.19	-422.84	-421.75	-89.28	19.11	19.26	4.02	6.65	16.63	-5.76
		886	4073.74	-114.86	-441.91	-436.79	-119.98	40.59	20.37	-21.87	-9.94	8.44	-19.02
		904	3731.71	-114.38	-413.90	-408.29	-119.98	40.59	-3.46	-34.33	-17.26	-20.53	-15.35
		5	2106.73	-88.09	-394.45	-393.25	-89.28	19.11	-0.31	-12.70	-0.67	-12.34	-2.09
848	6	1	2441.19	-96.62	-415.15	-414.71	-97.06	11.83	19.21	3.30	6.84	15.66	-6.62
		886	4185.56	-120.63	-430.76	-427.74	-123.65	30.44	20.46	-23.24	-10.07	7.29	-20.06
		904	3902.21	-120.27	-397.66	-394.28	-123.65	30.44	-3.21	-36.32	-17.43	-22.09	-16.39
		5	2176.39	-96.56	-381.74	-381.25	-97.06	11.83	0.11	-14.35	-0.52	-13.72	-2.95
848	7	1	2360.23	-89.90	-402.79	-402.29	-90.41	12.61	18.84	3.12	6.37	15.59	-6.36
		886	4040.43	-114.17	-418.85	-415.54	-117.47	31.55	20.47	-21.72	-9.46	8.21	-19.16
		904	3673.03	-113.93	-398.57	-395.03	-117.47	31.55	-2.95	-33.48	-16.61	-19.82	-15.18
		5	2059.60	-89.87	-382.31	-381.77	-90.41	12.61	-0.32	-12.90	-0.79	-12.43	-2.39
848	8	1	1829.65	-71.40	-315.05	-314.76	-71.69	8.46	14.60	2.14	4.72	12.02	-5.05
		886	3126.14	-91.88	-328.43	-325.89	-94.42	24.37	16.28	-16.28	-7.09	7.08	-14.66
		904	2664.36	-91.17	-277.24	-273.99	-94.42	24.37	-2.01	-24.35	-12.46	-13.90	-11.15
		5	1404.62	-71.32	-263.23	-262.86	-71.69	8.46	-0.37	-9.24	-0.65	-8.96	-1.54
848	9	1	1673.34	-73.04	-302.83	-302.68	-73.19	6.00	12.22	1.44	4.25	9.41	-4.73
		886	2904.92	-87.62	-311.68	-310.38	-88.92	17.01	13.44	-16.23	-6.96	4.17	-13.75
		904	2656.20	-87.28	-265.36	-263.73	-88.92	17.01	-2.48	-24.67	-11.93	-15.22	-10.97
		5	1456.32	-73.00	-256.22	-256.02	-73.19	6.00	-0.33	-10.37	-0.72	-9.98	-1.94
848	10	1	1665.05	-62.80	-293.45	-293.07	-63.19	9.40	13.19	2.36	4.39	11.17	-4.23
		886	2828.83	-82.83	-306.96	-304.10	-85.69	25.15	14.35	-14.87	-6.66	6.14	-13.14
		904	2480.13	-82.21	-267.28	-263.79	-85.69	25.15	-2.11	-22.69	-11.60	-13.20	-10.26
		5	1339.05	-62.72	-253.23	-252.77	-63.19	9.40	-0.32	-8.40	-0.56	-8.17	-1.35
848	11	1	1708.82	-66.02	-295.45	-295.07	-66.40	9.30	13.42	2.52	4.77	11.16	-4.42
		886	2916.66	-84.14	-307.48	-304.98	-86.63	23.47	14.20	-16.10	-7.09	5.20	-13.85
		904	2720.25	-83.85	-284.67	-281.89	-86.63	23.47	-2.35	-25.25	-12.26	-15.34	-11.35
		5	1523.02	-65.98	-272.39	-271.97	-66.40	9.30	-7.01e-04	-9.77	-0.39	-9.38	-1.92
849	1	1133	2736.08	-16.60	-176.33	-33.95	-158.97	49.71	6.80	-21.95	-5.63	-9.52	-14.24
		3	1485.89	-15.11	-159.72	-28.00	-146.83	41.21	13.91	0.89	12.59	2.21	-3.93
		7	1464.71	-35.97	-162.15	-51.28	-146.83	41.21	12.38	0.18	11.24	1.32	3.55
		1124	1618.02	-36.98	-179.23	-57.24	-158.98	49.71	-1.72	-15.67	-6.98	-10.40	-6.76
849	2	1133	2684.39	-15.95	-181.24	-35.29	-161.89	53.13	6.01	-21.56	-6.56	-9.00	-13.73
		3	1389.27	-14.40	-162.27	-28.54	-148.12	43.49	12.59	1.32	11.35	2.56	-3.52
		7	1383.43	-38.53	-165.38	-55.79	-148.12	43.49	11.99	0.82	10.54	2.27	3.75
		1124	1519.25	-39.48	-184.96	-62.54	-161.90	53.13	-1.81	-14.85	-7.37	-9.29	-6.45
849	3	1133	2712.47	-14.60	-174.19	-32.45	-156.33	50.31	5.92	-22.05	-7.15	-8.97	-13.96
		3	1387.49	-13.32	-159.14	-27.08	-145.38	42.64	13.01	2.18	12.02	3.18	-3.13
		7	1355.76	-40.58	-162.72	-57.93	-145.38	42.64	12.02	1.02	10.40	2.64	3.90
		1124	1589.32	-41.29	-178.34	-63.29	-156.33	50.31	-2.20	-16.08	-8.77	-9.51	-6.93
849	4	1133	2723.36	-12.67	-168.23	-29.07	-151.84	47.77	5.81	-22.38	-7.58	-9.00	-14.07
		3	1361.35	-11.08	-151.26	-22.96	-139.38	39.04	13.29	2.80	12.49	3.60	-2.78
		7	1321.25	-45.48	-155.61	-61.71	-139.37	39.04	12.25	1.22	10.44	3.03	4.09
		1124	1637.91	-46.21	-173.44	-67.82	-151.84	47.77	-2.38	-16.79	-9.62	-9.56	-7.21
849	5	1133	2661.61	-21.69	-256.36	-58.48	-219.58	85.32	3.91	-19.85	-8.77	-7.16	-11.85
		3	1302.67	-18.98	-206.71	-41.25	-184.43	60.71	7.70	0.74	5.66	2.78	-3.17
		7	1304.35	-41.15	-210.15	-66.88	-184.43	60.71	11.28	2.48	8.57	5.19	4.07
		1124	1473.51	-42.90	-260.78	-84.10	-219.58	85.32	-0.66	-9.96	-5.87	-4.75	-4.62
849	6	1133	2719.25	-17.50	-171.79	-33.78	-155.51	47.40	6.76	-21.96	-5.68	-9.51	-14.23

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		3	1470.29	-15.95	-155.17	-27.80	-143.31	38.86	13.90	0.95	12.61	2.24	-3.88
		7	1463.91	-31.46	-156.81	-44.96	-143.31	38.86	12.38	0.21	11.22	1.37	3.57
		1124	1615.44	-32.65	-173.80	-50.94	-155.52	47.40	-1.75	-15.71	-7.07	-10.38	-6.78
849	7	1133	2699.10	-15.91	-167.86	-32.30	-151.47	47.13	6.26	-21.99	-6.50	-9.23	-14.06
		3	1419.28	-14.71	-154.34	-27.46	-141.59	40.21	13.50	1.75	12.44	2.81	-3.37
		7	1402.34	-34.06	-156.63	-49.10	-141.59	40.21	12.16	0.63	10.74	2.04	3.78
		1124	1600.64	-34.89	-170.53	-53.94	-151.48	47.13	-2.13	-16.06	-8.20	-10.00	-6.91
849	8	1133	2127.25	-11.11	-133.79	-24.75	-120.15	38.57	4.67	-17.33	-5.61	-7.06	-10.98
		3	1087.23	-10.16	-122.69	-20.79	-112.06	32.90	10.26	1.72	9.48	2.50	-2.46
		7	1060.24	-31.57	-125.51	-45.03	-112.06	32.90	9.45	0.79	8.18	2.07	3.07
		1124	1247.36	-32.10	-137.05	-48.99	-120.15	38.57	-1.74	-12.66	-6.90	-7.49	-5.45
849	9	1133	1895.06	-11.69	-124.72	-24.10	-112.31	35.34	4.59	-15.20	-4.07	-6.53	-9.82
		3	1020.10	-10.63	-112.76	-19.82	-103.58	29.22	9.51	0.76	8.64	1.63	-2.62
		7	1007.35	-25.47	-114.51	-36.40	-103.58	29.22	8.52	0.23	7.68	1.07	2.50
		1124	1118.59	-26.19	-126.81	-40.68	-112.32	35.34	-1.25	-10.87	-5.03	-7.09	-4.69
849	10	1133	1882.54	-10.58	-123.54	-23.26	-110.85	35.67	4.11	-15.26	-4.92	-6.23	-9.66
		3	966.37	-9.63	-112.44	-19.31	-102.77	30.01	9.02	1.47	8.02	2.17	-2.18
		7	947.47	-28.04	-114.82	-40.09	-102.77	30.01	8.33	0.69	7.22	1.80	2.69
		1124	1103.22	-28.58	-126.32	-44.05	-110.85	35.67	-1.51	-11.10	-6.02	-6.60	-4.79
849	11	1133	1885.66	-12.19	-122.20	-24.00	-110.39	34.06	4.57	-15.20	-4.10	-6.53	-9.81
		3	1011.36	-11.10	-110.23	-19.71	-101.62	27.91	9.51	0.79	8.65	1.65	-2.60
		7	1006.72	-22.98	-111.53	-32.89	-101.62	27.91	8.53	0.24	7.68	1.09	2.51
		1124	1116.99	-23.79	-123.79	-37.19	-110.39	34.06	-1.27	-10.89	-5.08	-7.08	-4.70
850	1	1124	626.88	29.47	-96.56	-36.08	-31.01	62.96	1.49	-1.94	1.34	-1.80	-0.69
		7	1347.84	28.59	-124.32	-45.50	-50.23	76.42	11.20	0.79	9.84	2.16	3.51
		11	884.90	33.57	-119.92	-36.11	-50.23	76.42	5.04	0.08	4.39	0.73	1.67
		1127	892.34	34.15	-91.85	-26.70	-31.01	62.96	-1.11	-6.23	-4.11	-3.23	-2.52
850	2	1124	614.34	29.04	-117.09	-43.15	-44.90	73.06	1.20	-1.39	1.17	-1.36	-0.29
		7	1303.18	28.49	-139.10	-50.57	-60.04	83.66	9.93	0.64	8.50	2.07	3.36
		11	927.80	34.48	-134.09	-39.58	-60.04	83.66	4.84	0.27	4.02	1.09	1.76
		1127	838.67	34.81	-111.86	-32.15	-44.90	73.06	-0.87	-4.78	-3.32	-2.34	-1.89
850	3	1124	622.70	29.55	-127.13	-46.24	-51.35	78.30	0.11	-1.26	0.01	-1.16	-0.35
		7	1342.89	29.12	-146.27	-52.68	-64.48	87.50	9.89	0.78	7.99	2.68	3.70
		11	991.54	34.74	-141.64	-42.42	-64.48	87.50	5.26	0.63	3.76	2.12	2.16
		1127	902.87	35.01	-122.34	-35.98	-51.34	78.30	-0.70	-5.24	-4.22	-1.72	-1.89
850	4	1124	749.38	31.65	-151.08	-53.43	-66.00	91.15	-0.34	-1.68	-0.77	-1.25	-0.63
		7	1455.73	31.39	-165.18	-58.15	-75.64	97.90	10.39	0.91	8.16	3.14	4.02
		11	1085.13	35.88	-161.58	-50.05	-75.64	97.90	6.21	1.46	4.29	3.37	2.33
		1127	1084.09	36.07	-147.39	-45.33	-65.99	91.15	0.11	-5.77	-4.64	-1.02	-2.32
850	5	1124	942.34	29.93	-150.70	-55.78	-64.99	90.20	4.32	-0.41	3.75	0.16	1.54
		7	1023.71	29.43	-176.53	-64.44	-82.67	102.58	4.15	-0.61	3.71	-0.17	1.38
		11	867.54	38.74	-169.33	-47.92	-82.67	102.58	2.68	-0.43	2.64	-0.39	0.35
		1127	781.24	38.99	-143.24	-39.26	-64.99	90.20	2.77	-0.15	2.68	-0.06	0.51
850	6	1124	548.51	28.88	-70.60	-27.23	-14.49	49.34	1.41	-1.93	1.26	-1.77	-0.70
		7	1295.57	27.37	-105.63	-39.24	-39.01	66.50	11.22	0.83	9.83	2.22	3.54
		11	816.84	31.89	-101.39	-30.49	-39.02	66.50	5.05	0.15	4.38	0.82	1.69
		1127	821.77	32.89	-65.86	-18.47	-14.49	49.34	-1.08	-6.29	-4.19	-3.17	-2.55
850	7	1124	541.59	28.02	-88.89	-33.46	-27.41	58.38	0.45	-1.72	0.24	-1.51	-0.65
		7	1316.30	27.06	-118.32	-43.45	-47.80	72.66	10.85	0.93	9.07	2.70	3.80
		11	883.75	32.10	-113.87	-33.96	-47.81	72.66	5.25	0.57	4.05	1.76	2.04
		1127	865.28	32.72	-84.09	-23.96	-27.41	58.38	-0.94	-6.28	-4.78	-2.44	-2.40
850	8	1124	486.03	22.86	-99.56	-36.16	-40.54	61.17	0.08	-1.01	4.00e-03	-0.93	-0.28
		7	1051.74	22.54	-113.57	-40.87	-50.16	67.90	7.77	0.59	6.28	2.09	2.92
		11	777.09	26.88	-110.00	-32.96	-50.16	67.90	4.18	0.50	2.99	1.68	1.72
		1127	704.29	27.08	-95.87	-28.25	-40.54	61.17	-0.55	-4.08	-3.28	-1.34	-1.47
850	9	1124	429.53	20.71	-69.04	-25.76	-22.56	44.85	0.87	-1.26	0.77	-1.16	-0.45
		7	933.35	20.10	-88.82	-32.47	-36.25	54.43	7.64	0.58	6.64	1.58	2.46
		11	621.13	23.69	-85.68	-25.75	-36.25	54.43	3.45	0.14	2.94	0.65	1.20
		1127	621.18	24.08	-65.68	-19.04	-22.56	44.85	-0.75	-4.27	-2.93	-2.09	-1.71
850	10	1124	429.22	20.75	-86.01	-31.41	-33.86	53.37	0.11	-0.89	0.03	-0.81	-0.27
		7	931.99	20.39	-101.02	-36.46	-44.16	60.59	6.92	0.57	5.61	1.87	2.56
		11	682.03	24.34	-97.75	-29.25	-44.17	60.59	3.59	0.43	2.59	1.43	1.47
		1127	628.17	24.56	-82.61	-24.20	-33.85	53.37	-0.50	-3.73	-2.99	-1.25	-1.36
850	11	1124	383.72	20.35	-54.58	-20.85	-13.38	37.28	0.83	-1.25	0.72	-1.15	-0.46
		7	903.69	19.42	-78.43	-29.00	-30.01	48.92	7.65	0.60	6.63	1.62	2.47
		11	583.08	22.74	-75.38	-22.62	-30.02	48.92	3.46	0.18	2.93	0.71	1.20
		1127	580.95	23.36	-51.20	-14.47	-13.38	37.28	-0.73	-4.30	-2.97	-2.06	-1.73
851	1	1127	481.69	-17.32	-123.88	-38.24	-102.95	42.33	0.68	0.04	0.64	0.07	-0.14
		11	524.19	-17.43	-128.94	-39.94	-106.42	44.76	1.78	0.48	1.66	0.60	0.38
		15	513.94	-20.85	-129.84	-44.27	-106.42	44.76	1.28	0.26	1.14	0.39	0.35
		1120	472.94	-20.76	-124.76	-42.57	-102.95	42.33	0.21	-0.22	0.12	-0.13	-0.17
851	2	1127	521.56	-18.70	-132.40	-41.63	-109.48	45.62	1.32	0.26	1.29	0.29	0.18

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		11	560.14	-18.87	-140.94	-44.49	-115.32	49.71	1.47	0.27	1.44	0.30	0.20
		15	560.74	-20.08	-141.26	-46.03	-115.32	49.71	0.91	-0.13	0.91	-0.13	0.07
		1120	523.13	-19.92	-132.72	-43.16	-109.48	45.62	0.76	-0.14	0.76	-0.13	0.05
851	3	1127	565.68	-19.54	-141.20	-44.95	-115.80	49.45	1.31	0.24	0.99	0.56	0.49
		11	585.83	-19.71	-150.69	-48.12	-122.27	53.98	0.83	0.17	0.63	0.37	0.30
		15	589.26	-19.28	-150.57	-47.58	-122.27	53.98	0.94	0.20	0.76	0.38	0.31
		1120	569.91	-19.11	-141.09	-44.40	-115.79	49.45	1.41	0.27	1.12	0.57	0.50
851	4	1127	716.85	-22.15	-164.12	-53.81	-132.46	59.09	1.02	-0.61	0.81	-0.40	0.55
		11	737.49	-22.29	-174.26	-57.19	-139.36	63.92	0.40	-0.72	0.29	-0.61	0.33
		15	739.69	-16.87	-172.72	-50.23	-139.36	63.92	1.09	-0.35	0.93	-0.19	0.44
		1120	724.91	-16.68	-162.62	-46.85	-132.46	59.09	1.71	-0.24	1.45	0.02	0.66
851	5	1127	907.62	-22.16	-154.74	-49.88	-127.01	53.92	6.30	0.38	6.13	0.55	0.98
		11	783.21	-22.17	-155.44	-50.12	-127.49	54.26	1.70	-3.68	0.58	-2.57	-2.18
		15	869.07	-20.43	-154.98	-47.92	-127.49	54.26	1.52	-4.96	0.82	-4.26	-2.01
		1120	1067.49	-20.41	-154.28	-47.69	-127.01	53.92	6.54	-1.32	6.37	-1.15	1.16
851	6	1127	428.86	-14.94	-108.94	-32.47	-91.42	36.61	0.64	0.09	0.60	0.13	-0.14
		11	440.56	-14.89	-107.18	-31.87	-90.20	35.76	1.74	0.52	1.61	0.65	0.38
		15	424.10	-22.25	-109.01	-41.07	-90.20	35.76	1.29	0.32	1.13	0.48	0.37
		1120	419.36	-22.28	-110.80	-41.66	-91.42	36.61	0.21	-0.14	0.12	-0.05	-0.15
851	7	1127	460.36	-16.03	-117.15	-35.75	-97.44	40.06	0.49	0.24	0.28	0.45	0.09
		11	480.29	-16.11	-120.26	-36.79	-99.57	41.55	1.59	0.46	1.15	0.91	0.55
		15	466.77	-21.16	-121.59	-43.18	-99.57	41.55	1.34	0.36	0.82	0.88	0.49
		1120	465.36	-21.11	-118.46	-42.13	-97.44	40.06	0.43	-0.06	-0.05	0.43	0.03
851	8	1127	442.25	-15.20	-109.70	-34.98	-89.93	38.44	1.04	0.17	0.80	0.41	0.39
		11	459.86	-15.33	-117.45	-37.57	-95.22	42.15	0.68	0.12	0.54	0.27	0.25
		15	462.24	-14.77	-117.30	-36.85	-95.22	42.15	0.74	0.14	0.61	0.26	0.25
		1120	445.10	-14.64	-109.55	-34.26	-89.93	38.44	1.09	0.19	0.88	0.41	0.39
851	9	1127	341.20	-12.25	-88.00	-27.20	-73.05	30.15	0.42	0.13	0.42	0.14	-0.04
		11	363.78	-12.32	-91.41	-28.34	-75.39	31.79	1.10	0.34	1.00	0.44	0.26
		15	358.71	-14.75	-92.05	-31.41	-75.39	31.79	0.84	0.22	0.72	0.34	0.25
		1120	336.31	-14.69	-88.62	-30.26	-73.05	30.15	0.17	0.02	0.14	0.04	-0.05
851	10	1127	384.89	-13.49	-97.62	-30.92	-80.18	34.10	0.83	0.18	0.61	0.40	0.31
		11	399.40	-13.59	-103.49	-32.89	-84.20	36.91	0.59	0.15	0.42	0.31	0.21
		15	400.92	-13.87	-103.57	-33.25	-84.20	36.91	0.67	0.18	0.51	0.33	0.23
		1120	386.73	-13.77	-97.69	-31.28	-80.18	34.10	0.91	0.21	0.70	0.42	0.32
851	11	1127	312.09	-10.93	-79.69	-23.99	-66.64	26.97	0.40	0.16	0.39	0.17	-0.04
		11	316.63	-10.92	-79.31	-23.86	-66.38	26.78	1.08	0.36	0.97	0.47	0.26
		15	308.91	-15.52	-80.48	-29.63	-66.38	26.78	0.86	0.25	0.72	0.39	0.26
		1120	306.77	-15.53	-80.87	-29.76	-66.64	26.97	0.16	0.06	0.14	0.08	-0.04
852	1	1120	687.67	15.92	-128.79	-43.32	-69.54	71.16	2.72	0.50	2.00	1.22	1.04
		15	577.02	16.22	-95.88	-32.40	-47.26	55.56	-0.18	-2.60	-2.05	-0.73	-1.01
		19	447.07	18.05	-94.52	-29.21	-47.26	55.56	0.23	-0.49	0.14	-0.40	-0.24
		1123	859.80	17.82	-127.50	-40.13	-69.54	71.16	5.12	0.62	4.19	1.54	1.82
852	2	1120	691.16	15.80	-129.28	-43.70	-69.78	71.35	2.83	0.53	2.21	1.15	1.02
		15	596.03	16.11	-95.65	-32.53	-47.01	55.41	-0.20	-2.80	-2.08	-0.92	-1.17
		19	461.74	18.12	-94.15	-29.02	-47.00	55.41	0.26	-0.84	0.12	-0.70	-0.37
		1123	874.57	17.89	-127.86	-40.18	-69.79	71.35	5.26	0.52	4.40	1.37	1.82
852	3	1120	734.93	15.36	-131.45	-44.68	-71.41	72.18	3.34	0.55	2.59	1.30	1.24
		15	595.09	15.68	-96.30	-33.01	-47.60	55.51	-0.24	-2.80	-2.03	-1.01	-1.17
		19	481.43	18.13	-94.48	-28.76	-47.60	55.51	0.16	-1.26	-0.07	-1.03	-0.52
		1123	900.06	17.91	-129.74	-40.42	-71.41	72.18	5.41	0.42	4.55	1.28	1.89
852	4	1120	752.24	14.42	-132.36	-45.50	-72.44	72.14	4.14	1.13	3.30	1.98	1.35
		15	626.22	14.75	-95.84	-33.38	-47.71	54.83	0.33	-2.62	-1.69	-0.59	-1.37
		19	472.23	17.91	-93.53	-27.91	-47.71	54.83	-0.29	-1.87	-0.50	-1.66	-0.54
		1123	956.09	17.71	-130.18	-40.03	-72.44	72.14	5.52	-0.12	4.49	0.91	2.18
852	5	1120	779.62	17.20	-132.02	-44.36	-70.46	73.46	5.09	0.06	5.03	0.12	0.54
		15	861.21	17.44	-105.12	-35.44	-52.24	60.70	1.02	-4.60	-0.73	-2.85	-2.60
		19	765.92	19.17	-103.84	-32.44	-52.24	60.70	1.12	-4.67	0.62	-4.17	-1.63
		1123	1055.84	18.97	-130.80	-41.37	-70.46	73.46	6.67	-1.50	6.38	-1.21	1.52
852	6	1120	686.99	16.19	-127.99	-42.61	-69.19	70.85	2.75	0.51	2.01	1.25	1.05
		15	584.21	16.45	-97.36	-32.45	-48.46	56.34	-0.17	-2.60	-2.05	-0.71	-1.02
		19	454.81	17.93	-96.27	-29.89	-48.46	56.34	0.22	-0.50	0.12	-0.41	-0.25
		1123	857.59	17.72	-126.96	-40.05	-69.19	70.85	5.12	0.62	4.19	1.55	1.82
852	7	1120	705.56	15.65	-129.43	-43.45	-70.34	71.28	2.87	0.46	1.89	1.44	1.18
		15	578.31	15.93	-96.13	-32.40	-47.80	55.50	-0.17	-2.74	-2.32	-0.60	-0.96
		19	446.31	17.85	-94.72	-29.07	-47.80	55.50	0.08	-0.39	-0.07	-0.24	-0.22
		1123	868.15	17.64	-128.10	-40.11	-70.34	71.28	5.21	0.72	4.13	1.80	1.92
852	8	1120	570.15	11.83	-101.28	-34.45	-55.00	55.61	2.63	0.43	2.03	1.02	0.98
		15	460.94	12.07	-74.14	-25.44	-36.62	42.74	-0.20	-2.20	-1.60	-0.80	-0.92
		19	374.28	13.98	-72.73	-22.13	-36.62	42.74	0.15	-0.98	-0.04	-0.79	-0.42
		1123	697.84	13.81	-99.94	-31.14	-55.00	55.61	4.26	0.36	3.59	1.04	1.47
852	9	1120	488.74	11.23	-91.60	-30.82	-49.54	50.56	1.93	0.35	1.42	0.87	0.74

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		15	408.05	11.44	-68.09	-23.02	-33.63	39.41	-0.12	-1.82	-1.43	-0.51	-0.71
		19	315.97	12.78	-67.09	-20.69	-33.62	39.41	0.12	-0.40	0.06	-0.34	-0.17
		1123	609.07	12.62	-90.66	-28.49	-49.55	50.56	3.56	0.38	2.91	1.04	1.28
852	10	1120	514.84	10.92	-93.08	-31.57	-50.58	51.12	2.28	0.38	1.75	0.91	0.85
		15	417.99	11.15	-68.32	-23.36	-33.82	39.39	-0.16	-1.93	-1.42	-0.67	-0.80
		19	334.97	12.83	-67.08	-20.43	-33.81	39.39	0.08	-0.83	-0.06	-0.69	-0.33
		1123	631.32	12.67	-91.90	-28.65	-50.58	51.12	3.72	0.27	3.10	0.89	1.32
852	11	1120	488.36	11.38	-91.15	-30.42	-49.35	50.39	1.95	0.36	1.43	0.88	0.75
		15	412.04	11.57	-68.91	-23.04	-34.29	39.85	-0.12	-1.82	-1.43	-0.50	-0.71
		19	320.26	12.72	-68.07	-21.06	-34.29	39.85	0.11	-0.41	0.05	-0.34	-0.17
		1123	607.83	12.56	-90.36	-28.44	-49.35	50.39	3.56	0.39	2.91	1.04	1.28
853	1	1141	1046.38	-1.87	-161.92	-42.47	-121.33	69.64	3.69	-2.17	1.48	0.04	-2.84
		179	777.01	-1.37	-111.64	-25.77	-87.24	45.78	4.76	0.62	3.80	1.58	-1.74
		183	618.62	-3.57	-112.28	-28.62	-87.23	45.78	1.98	-1.12	1.94	-1.09	0.34
		1112	746.98	-3.99	-162.66	-45.32	-121.33	69.64	-0.14	-2.86	-0.37	-2.63	-0.76
853	2	1141	1069.17	-1.69	-168.90	-44.80	-125.79	73.14	3.60	-2.09	1.36	0.15	-2.78
		179	791.46	-1.22	-116.51	-27.42	-90.32	48.31	4.62	0.66	3.62	1.65	-1.72
		183	615.92	-3.96	-117.34	-30.99	-90.31	48.31	1.79	-1.03	1.76	-1.00	0.30
		1112	758.00	-4.32	-169.84	-48.37	-125.79	73.14	-0.24	-2.75	-0.50	-2.49	-0.76
853	3	1141	1104.27	-2.70	-184.98	-52.04	-135.65	80.99	3.55	-1.90	1.62	0.03	-2.60
		179	824.41	-2.30	-119.90	-30.50	-91.70	50.21	4.02	-0.63	2.47	0.92	-2.19
		183	642.00	-0.92	-119.46	-28.70	-91.69	50.21	1.91	-1.17	1.90	-1.15	0.22
		1112	872.60	-1.39	-184.51	-50.24	-135.66	80.99	1.06	-2.06	1.05	-2.05	-0.19
853	4	1141	1137.92	-3.20	-189.17	-54.13	-138.24	82.93	3.52	-2.18	1.42	-0.08	-2.75
		179	806.13	-2.80	-119.91	-31.22	-91.49	50.20	4.17	-0.13	2.91	1.14	-1.96
		183	607.92	0.58	-118.86	-26.79	-91.48	50.20	2.43	-0.42	2.42	-0.41	0.15
		1112	809.03	0.03	-187.99	-49.71	-138.25	82.93	1.08	-1.77	0.93	-1.62	-0.65
853	5	1141	1367.30	-1.99	-265.07	-79.30	-187.76	119.84	2.56	-1.33	-0.46	1.69	-1.62
		179	1016.20	-1.79	-171.65	-48.51	-124.93	75.85	2.83	-1.25	-0.46	2.04	-1.62
		183	716.87	-1.12	-171.39	-47.59	-124.92	75.85	0.77	-0.43	-0.41	0.75	0.15
		1112	1064.16	-1.35	-264.80	-78.38	-187.77	119.84	0.43	-0.44	-0.42	0.40	0.14
853	6	1141	1160.51	-3.57	-188.62	-56.38	-135.81	83.57	3.74	-2.19	1.54	0.01	-2.87
		179	807.11	-3.30	-115.61	-32.28	-86.63	49.14	4.81	0.57	3.83	1.55	-1.78
		183	645.20	2.72	-113.65	-24.30	-86.62	49.14	2.05	-1.15	2.01	-1.12	0.34
		1112	846.61	2.20	-186.42	-48.40	-135.82	83.57	-0.06	-2.87	-0.28	-2.65	-0.74
853	7	1141	1055.37	-1.80	-164.87	-43.44	-123.23	71.10	3.80	-2.11	1.73	-0.04	-2.82
		179	798.70	-1.30	-113.03	-26.22	-88.11	46.51	4.66	0.06	3.48	1.24	-2.00
		183	628.63	-3.70	-113.73	-29.34	-88.10	46.51	2.00	-1.33	1.99	-1.32	0.18
		1112	778.90	-4.11	-165.68	-46.55	-123.24	71.10	0.37	-2.73	0.24	-2.60	-0.63
853	8	1141	852.61	-2.18	-143.03	-40.48	-104.72	62.67	2.73	-1.45	1.24	0.04	-2.00
		179	635.38	-1.87	-92.25	-23.68	-70.44	38.67	3.08	-0.49	1.87	0.72	-1.69
		183	494.60	-0.38	-91.78	-21.74	-70.43	38.67	1.49	-0.87	1.47	-0.85	0.19
		1112	675.44	-0.76	-142.51	-38.54	-104.73	62.67	0.85	-1.54	0.84	-1.54	-0.12
853	9	1141	745.39	-1.29	-116.42	-30.56	-87.15	50.13	2.61	-1.53	1.09	-2.07e-04	-2.00
		179	555.66	-0.93	-80.11	-18.50	-62.54	32.90	3.32	0.30	2.59	1.02	-1.29
		183	441.33	-2.68	-80.62	-20.76	-62.53	32.90	1.38	-0.85	1.36	-0.83	0.20
		1112	539.14	-2.97	-117.01	-32.83	-87.15	50.13	3.96e-04	-1.99	-0.14	-1.85	-0.51
853	10	1141	777.54	-1.75	-129.23	-35.87	-95.11	56.44	2.53	-1.38	1.16	-6.51e-03	-1.87
		179	582.35	-1.45	-84.69	-21.12	-65.01	35.37	2.90	-0.39	1.85	0.66	-1.54
		183	454.38	-1.20	-84.61	-20.81	-65.01	35.37	1.35	-0.87	1.34	-0.86	0.13
		1112	608.57	-1.52	-129.15	-35.56	-95.11	56.44	0.67	-1.55	0.65	-1.53	-0.20
853	11	1141	808.82	-2.25	-131.23	-38.28	-95.19	57.87	2.64	-1.54	1.12	-0.02	-2.01
		179	572.36	-2.02	-82.29	-22.12	-62.20	34.77	3.34	0.27	2.61	1.01	-1.31
		183	455.88	0.82	-81.38	-18.36	-62.19	34.77	1.42	-0.86	1.40	-0.84	0.20
		1112	594.67	0.47	-130.21	-34.53	-95.20	57.87	0.05	-2.00	-0.09	-1.87	-0.50
854	1	1112	340.56	10.48	-76.05	-18.57	-46.99	40.87	-0.02	-0.40	-0.03	-0.39	-0.04
		183	894.35	10.49	-168.87	-49.10	-109.29	84.48	3.43	0.22	2.68	0.97	1.35
		187	830.69	-14.11	-184.27	-89.07	-109.30	84.48	2.16	-0.10	1.38	0.68	1.08
		1115	396.05	-11.49	-94.04	-58.54	-46.98	40.87	-0.56	-1.46	-1.33	-0.68	-0.31
854	2	1112	389.89	10.32	-84.66	-21.54	-52.79	44.85	0.09	-0.25	-0.04	-0.12	0.17
		183	886.53	10.33	-177.28	-52.01	-114.95	88.37	2.66	0.09	1.90	0.86	1.18
		187	836.39	-13.67	-192.06	-90.77	-114.96	88.37	1.83	-0.01	1.04	0.77	0.91
		1115	414.00	-11.54	-101.54	-60.30	-52.78	44.85	-0.19	-0.91	-0.90	-0.20	-0.10
854	3	1112	446.73	7.99	-75.27	-19.08	-48.20	39.01	1.76	-0.46	1.65	-0.35	0.48
		183	840.51	8.00	-176.19	-52.27	-115.92	86.42	2.02	-0.42	1.89	-0.28	0.56
		187	816.24	-13.40	-188.77	-86.24	-115.93	86.42	1.49	-0.76	1.39	-0.66	0.46
		1115	404.95	-11.54	-89.70	-53.05	-48.19	39.01	1.23	-0.80	1.15	-0.73	0.38
854	4	1112	463.64	7.35	-63.59	-15.09	-41.15	32.99	1.44	-1.58	1.37	-1.51	0.45
		183	914.63	7.34	-178.87	-53.00	-118.52	87.15	1.83	-1.48	1.71	-1.36	0.61
		187	876.98	-14.05	-191.23	-86.75	-118.54	87.15	1.57	-1.54	1.48	-1.45	0.52
		1115	405.28	-11.77	-78.19	-48.83	-41.14	32.99	1.19	-1.65	1.14	-1.60	0.36
854	5	1112	860.17	5.79	-141.37	-41.80	-93.77	68.84	3.73	-0.61	1.43	1.70	2.17

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		183	1140.07	5.80	-251.45	-78.01	-167.65	120.56	-0.99	-4.58	-4.44	-1.13	-0.70
		187	1057.04	-10.41	-260.10	-102.85	-167.66	120.56	0.63	-0.43	-0.43	0.62	-0.07
		1115	982.95	-10.03	-150.36	-66.64	-93.75	68.84	7.42	1.48	5.44	3.45	2.80
854	6	1112	262.37	6.60	-58.10	-12.55	-38.95	29.53	0.04	-0.44	0.02	-0.43	-0.07
		183	931.44	6.55	-179.87	-52.62	-120.70	86.77	3.58	0.26	2.86	0.98	1.37
		187	861.44	-15.53	-192.30	-87.12	-120.72	86.77	2.11	-0.16	1.37	0.57	1.06
		1115	325.60	-13.18	-72.80	-47.05	-38.93	29.53	-0.66	-1.64	-1.46	-0.84	-0.38
854	7	1112	388.76	9.95	-78.67	-19.95	-48.77	41.91	0.74	-0.42	0.72	-0.40	0.15
		183	844.39	9.96	-168.60	-49.52	-109.12	84.16	2.64	-0.02	2.27	0.36	0.93
		187	797.09	-13.11	-182.88	-86.86	-109.13	84.16	1.73	-0.25	1.40	0.08	0.74
		1115	379.00	-10.90	-95.14	-57.29	-48.76	41.91	-0.14	-0.68	-0.15	-0.68	-0.04
854	8	1112	343.44	6.01	-56.66	-14.24	-36.41	29.31	1.40	-0.37	1.31	-0.27	0.39
		183	648.28	6.01	-135.24	-40.08	-89.15	66.23	1.59	-0.33	1.48	-0.23	0.44
		187	629.63	-10.46	-144.89	-66.19	-89.16	66.23	1.19	-0.60	1.11	-0.52	0.37
		1115	310.04	-9.00	-67.75	-40.35	-36.40	29.31	1.00	-0.63	0.93	-0.57	0.32
854	9	1112	254.46	7.36	-55.53	-13.82	-34.35	29.72	0.13	-0.27	0.13	-0.27	0.01
		183	624.19	7.36	-120.89	-35.31	-78.22	60.43	2.21	0.11	-1.77	0.55	0.85
		187	583.55	-9.73	-131.54	-63.04	-78.22	60.43	1.37	-0.10	0.94	0.34	0.67
		1115	277.41	-8.01	-67.88	-41.55	-34.34	29.72	-0.39	-0.79	-0.70	-0.48	-0.17
854	10	1112	313.74	5.97	-55.09	-14.10	-35.02	28.68	1.13	-0.31	1.06	-0.25	0.30
		183	595.21	5.98	-124.95	-37.08	-81.90	61.51	1.43	-0.25	1.33	-0.15	0.41
		187	576.37	-9.34	-134.04	-61.47	-81.91	61.51	1.02	-0.48	0.95	-0.41	0.32
		1115	286.41	-8.01	-65.49	-38.49	-35.01	28.69	0.72	-0.55	0.68	-0.51	0.22
854	11	1112	211.08	5.18	-45.53	-10.47	-29.88	23.42	0.16	-0.29	0.16	-0.29	-7.18e-03
		183	645.15	5.17	-126.99	-37.27	-84.56	61.71	2.29	0.13	1.87	0.55	0.86
		187	601.29	-10.53	-136.00	-61.96	-84.57	61.71	1.35	-0.13	0.94	0.27	0.66
		1115	235.37	-8.94	-56.09	-35.16	-29.87	23.42	-0.44	-0.90	-0.77	-0.57	-0.21
855	1	1115	1239.61	2.26	-285.24	-98.81	-184.18	137.27	0.35	-1.65	-1.46	0.16	-0.58
		187	841.06	2.34	-186.44	-66.29	-117.81	90.81	2.72	0.55	1.36	1.91	1.05
		191	952.70	18.01	-178.51	-42.70	-117.80	90.81	3.59	-0.02	1.38	2.20	1.76
		1116	1171.39	17.98	-277.39	-75.23	-184.19	137.27	0.45	-1.45	-1.45	0.44	0.13
855	2	1115	1210.15	1.74	-290.56	-100.85	-187.98	139.50	0.40	-0.76	-0.73	0.37	-0.19
		187	779.41	1.82	-187.42	-66.90	-118.71	91.00	1.39	-1.50e-03	0.19	1.20	0.48
		191	919.18	18.03	-179.27	-42.54	-118.69	91.00	3.04	0.07	1.18	1.80	1.47
		1116	1239.47	17.99	-282.48	-76.49	-188.00	139.50	1.53	-0.17	0.39	0.97	0.79
855	3	1115	1140.67	2.29	-270.42	-94.01	-174.12	130.34	0.72	-0.42	0.52	-0.22	-0.43
		187	674.39	2.40	-163.23	-58.73	-102.11	79.93	1.61	0.52	1.57	0.55	0.20
		191	808.54	16.34	-156.03	-37.60	-102.09	79.93	2.27	-0.09	1.77	0.41	0.96
		1116	1157.33	16.32	-263.34	-72.89	-174.13	130.34	0.82	-0.45	0.72	-0.36	0.33
855	4	1115	1135.10	3.00	-267.52	-93.07	-171.45	129.46	1.19	0.57	1.13	0.63	-0.18
		187	680.41	3.15	-152.59	-55.22	-94.21	75.39	1.30	0.88	1.28	0.90	-0.09
		191	758.38	15.90	-145.82	-35.73	-94.20	75.39	1.75	-0.37	1.28	0.10	0.88
		1116	1206.70	15.88	-260.93	-73.58	-171.46	129.46	1.50	-0.55	1.13	-0.18	0.79
855	5	1115	1501.18	-0.33	-314.76	-110.28	-204.82	149.94	5.80	0.30	5.41	0.68	1.41
		187	1039.06	-0.23	-180.87	-66.21	-114.89	86.98	-0.02	-5.23	-2.18	-3.08	-2.56
		191	853.19	15.90	-172.73	-41.96	-114.88	86.98	1.24	-3.74	0.93	-3.43	-1.21
		1116	1861.06	15.85	-306.71	-86.03	-204.84	149.94	9.37	-0.51	8.52	0.33	2.77
855	6	1115	1166.06	4.27	-265.51	-92.24	-169.01	129.31	0.31	-1.77	-1.58	0.13	-0.59
		187	714.63	4.45	-149.33	-53.96	-90.91	74.64	2.75	0.48	1.30	1.93	1.09
		191	828.82	15.67	-143.17	-36.60	-90.89	74.64	3.72	-5.85e-03	1.40	2.31	1.81
		1116	1095.86	15.67	-259.56	-74.87	-169.02	129.31	0.52	-1.49	-1.48	0.51	0.13
855	7	1115	1181.45	1.64	-277.64	-96.39	-179.61	133.30	0.31	-0.76	-0.40	-0.04	-0.50
		187	753.58	1.72	-179.16	-63.98	-113.46	86.99	1.75	0.68	1.31	1.13	0.53
		191	894.09	17.50	-171.24	-40.29	-113.45	86.99	2.81	0.05	1.61	1.25	1.37
		1116	1159.52	17.45	-269.78	-72.71	-179.62	133.30	0.34	-0.37	-0.10	0.07	0.34
855	8	1115	876.33	1.86	-207.04	-72.02	-133.16	99.88	0.57	-0.37	0.40	-0.20	-0.36
		187	513.93	1.95	-124.15	-44.73	-77.47	60.89	1.35	0.42	1.31	0.45	0.18
		191	623.08	12.64	-118.60	-28.50	-77.46	60.89	1.84	-0.07	1.44	0.34	0.78
		1116	885.51	12.62	-201.59	-55.80	-133.17	99.88	0.59	-0.37	0.53	-0.31	0.24
855	9	1115	868.35	1.45	-201.92	-69.95	-130.52	97.07	0.23	-0.93	-0.80	0.10	-0.37
		187	576.53	1.51	-131.54	-46.78	-83.25	63.97	1.63	0.39	0.87	1.16	0.60
		191	657.33	12.54	-125.97	-30.19	-83.24	63.98	2.26	4.79e-03	0.95	1.32	1.11
		1116	819.31	12.52	-196.40	-53.36	-130.53	97.07	0.28	-0.74	-0.72	0.26	0.14
855	10	1115	814.25	1.47	-193.69	-67.28	-124.93	93.23	0.45	-0.26	0.30	-0.11	-0.29
		187	488.22	1.54	-118.64	-42.58	-74.52	57.93	1.01	0.38	0.99	0.40	0.13
		191	579.11	11.62	-113.48	-27.35	-74.51	57.93	1.54	-0.05	1.17	0.32	0.67
		1116	827.38	11.60	-188.59	-52.06	-124.94	93.23	0.57	-0.27	0.49	-0.19	0.26
855	11	1115	827.22	2.57	-190.96	-66.30	-122.09	92.65	0.21	-0.99	-0.86	0.08	-0.37
		187	504.58	2.67	-110.91	-39.94	-68.30	54.99	1.65	0.36	0.84	1.17	0.62
		191	586.19	11.23	-106.32	-26.80	-68.29	54.99	2.33	0.01	0.96	1.38	1.14
		1116	777.84	11.23	-186.49	-53.16	-122.10	92.65	0.32	-0.76	-0.74	0.30	0.14
856	1	1116	908.26	4.23	-180.52	-45.09	-131.20	81.73	2.52	-2.92	-2.79	2.39	0.83

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		191	1202.89	3.95	-272.85	-75.55	-193.35	125.25	2.06	-2.72	-2.62	1.96	0.69
		195	1318.43	-37.20	-293.81	-137.65	-193.36	125.25	1.13	-4.74	-4.56	0.94	-1.02
		1119	976.67	-36.58	-201.79	-107.18	-131.18	81.73	1.49	-4.84	-4.72	1.37	-0.88
856	2	1116	813.73	3.79	-180.91	-45.68	-131.44	81.79	2.59	-1.52	-1.21	2.29	1.07
		191	1195.08	3.53	-270.94	-75.37	-192.04	124.22	1.01	-2.57	-2.57	1.01	0.06
		195	1313.12	-36.08	-290.98	-135.01	-192.05	124.22	0.11	-4.99	-4.43	-0.46	-1.60
		1119	864.24	-35.54	-201.20	-105.31	-131.43	81.79	0.91	-3.16	-3.07	0.82	-0.59
856	3	1116	805.77	5.06	-171.60	-41.89	-124.65	78.04	1.86	-1.60	-1.54	1.79	0.48
		191	1154.70	4.77	-265.85	-72.99	-188.10	122.46	1.19	-1.61	-1.60	1.19	0.13
		195	1278.37	-35.87	-286.62	-134.38	-188.11	122.46	0.04	-4.68	-4.10	-0.53	-1.55
		1119	889.21	-35.19	-192.73	-103.28	-124.64	78.04	0.40	-4.36	-4.04	0.07	-1.20
856	4	1116	817.22	5.29	-173.00	-42.03	-125.68	78.73	2.48	-1.30	-1.15	2.33	0.74
		191	1201.55	5.00	-267.51	-73.20	-189.30	123.27	1.27	-2.02	-2.01	1.26	-0.07
		195	1318.14	-35.82	-288.31	-134.82	-189.32	123.27	0.04	-5.17	-4.47	-0.66	-1.77
		1119	871.75	-35.16	-194.15	-103.63	-125.67	78.73	0.63	-3.83	-3.61	0.41	-0.97
856	5	1116	938.81	5.67	-194.72	-49.07	-139.98	89.29	4.21	1.01	3.99	1.23	0.82
		191	1446.94	5.43	-295.47	-82.28	-207.75	136.74	0.88	-3.98	-0.95	-2.14	-2.36
		195	1612.06	-34.70	-315.81	-142.74	-207.77	136.74	-0.65	-8.69	-3.60	-5.74	-3.87
		1119	884.88	-34.16	-215.32	-109.52	-139.96	89.29	1.47	-2.49	1.34	-2.36	-0.70
856	6	1116	910.65	5.69	-180.42	-43.84	-130.88	82.25	2.54	-2.89	-2.76	2.41	0.85
		191	1222.01	5.40	-276.85	-75.65	-195.80	127.70	2.06	-2.73	-2.63	1.96	0.68
		195	1337.77	-36.79	-298.36	-139.33	-195.81	127.70	1.13	-4.74	-4.56	0.94	-1.03
		1119	977.04	-36.12	-202.27	-107.52	-130.87	82.25	1.51	-4.80	-4.68	1.39	-0.87
856	7	1116	820.76	4.28	-171.89	-42.58	-125.03	77.84	2.14	-2.04	-1.93	2.03	0.69
		191	1140.61	4.00	-262.96	-72.63	-186.34	120.77	1.47	-2.01	-1.97	1.43	0.37
		195	1273.09	-36.07	-283.40	-133.12	-186.35	120.77	0.37	-4.74	-4.32	-0.05	-1.40
		1119	907.11	-35.43	-192.65	-103.07	-125.01	77.84	0.78	-4.51	-4.28	0.55	-1.09
856	8	1116	625.10	4.02	-131.28	-31.80	-95.46	59.70	1.44	-1.33	-1.29	1.40	0.35
		191	888.68	3.79	-204.89	-56.09	-145.02	94.39	1.00	-1.20	-1.19	0.99	0.15
		195	988.29	-27.96	-221.14	-104.07	-145.03	94.39	0.05	-3.68	-3.25	-0.39	-1.20
		1119	695.25	-27.40	-147.82	-79.78	-95.45	59.70	0.29	-3.62	-3.34	0.02	-1.00
856	9	1116	622.88	2.94	-127.64	-32.04	-92.66	57.83	1.70	-1.79	-1.70	1.60	0.57
		191	843.77	2.75	-192.13	-53.31	-136.07	88.22	1.26	-1.82	-1.77	1.21	0.37
		195	922.95	-25.84	-206.67	-96.44	-136.08	88.22	0.62	-3.25	-3.08	0.45	-0.79
		1119	668.43	-25.43	-142.40	-75.17	-92.65	57.83	0.93	-3.10	-3.01	0.85	-0.58
856	10	1116	567.82	3.40	-122.69	-30.26	-89.03	55.78	1.33	-1.06	-1.00	1.27	0.38
		191	818.75	3.21	-188.24	-51.88	-133.15	86.67	0.78	-1.20	-1.20	0.78	0.06
		195	902.39	-25.11	-202.68	-94.62	-133.16	86.67	0.04	-3.24	-2.83	-0.37	-1.08
		1119	621.35	-24.66	-137.36	-73.00	-89.02	55.78	0.32	-2.83	-2.63	0.13	-0.76
856	11	1116	624.17	3.75	-127.58	-31.34	-92.49	58.12	1.71	-1.78	-1.68	1.61	0.58
		191	854.53	3.56	-194.35	-53.36	-137.43	89.58	1.25	-1.82	-1.78	1.21	0.36
		195	933.82	-25.61	-209.20	-97.38	-137.43	89.58	0.62	-3.25	-3.08	0.45	-0.80
		1119	668.76	-25.17	-142.66	-75.35	-92.48	58.12	0.94	-3.08	-2.99	0.86	-0.58
857	1	1119	3059.57	14.14	-488.40	-168.55	-305.71	241.72	15.14	-3.96	0.39	10.79	8.01
		195	3150.52	14.70	-256.10	-91.96	-149.44	132.31	-2.54	-29.84	-28.25	-4.13	-6.39
		199	2680.03	33.22	-245.27	-62.64	-149.41	132.31	6.75	-14.82	-11.91	3.84	-7.37
857	2	1140	2986.47	33.17	-478.15	-139.23	-305.74	241.72	24.85	10.64	16.73	18.76	7.03
		1119	2973.08	13.60	-476.83	-164.67	-298.57	235.90	14.86	-3.23	1.28	10.35	7.83
		195	3102.09	14.14	-251.17	-90.27	-146.76	129.61	-2.90	-29.41	-27.56	-4.75	-6.76
		199	2655.70	32.45	-240.48	-61.31	-146.73	129.61	6.12	-15.12	-11.71	2.70	-7.80
857	3	1140	2921.93	32.41	-466.72	-135.72	-298.60	235.90	24.25	10.68	17.14	17.80	6.78
		1119	2940.81	13.26	-473.59	-163.73	-296.59	234.19	14.42	-3.64	0.58	10.20	7.64
		195	3089.72	13.81	-248.05	-89.37	-144.87	127.96	-2.78	-29.38	-27.66	-4.50	-6.56
		199	2627.62	32.17	-237.34	-60.33	-144.84	127.96	6.49	-14.66	-11.53	3.35	-7.52
857	4	1140	2885.55	32.13	-463.44	-134.69	-296.62	234.19	24.10	10.66	16.71	18.06	6.69
		1119	2946.32	13.08	-474.19	-164.09	-297.02	234.39	14.52	-3.62	0.60	10.30	7.67
		195	3119.22	13.63	-248.33	-89.62	-145.07	128.01	-2.77	-29.68	-27.91	-4.54	-6.68
		199	2640.68	32.20	-237.50	-60.25	-145.05	128.01	6.48	-14.82	-11.66	3.31	-7.58
857	5	1140	2903.52	32.17	-463.93	-134.72	-297.05	234.39	24.30	10.70	16.85	18.15	6.77
		1119	2847.21	11.37	-493.94	-171.71	-310.86	242.89	13.31	-1.49	3.08	8.74	6.83
		195	3040.38	11.90	-259.78	-94.53	-153.36	132.62	-3.57	-28.37	-25.64	-6.30	-7.77
		199	2624.74	33.11	-247.66	-61.23	-153.33	132.62	4.91	-15.14	-10.44	0.22	-8.49
857	6	1140	2916.94	33.09	-482.39	-138.42	-310.89	242.89	23.06	10.47	18.28	15.25	6.11
		1119	3064.43	13.26	-490.75	-169.91	-307.57	242.42	15.14	-3.93	0.43	10.77	8.01
		195	3147.03	13.83	-256.35	-92.63	-149.89	132.02	-2.56	-29.83	-28.23	-4.16	-6.41
		199	2679.48	33.24	-245.05	-61.95	-149.86	132.02	6.72	-14.83	-11.90	3.80	-7.38
857	7	1140	2992.29	33.21	-480.04	-139.23	-307.60	242.42	24.85	10.64	16.76	18.73	7.04
		1119	2954.32	13.72	-471.39	-162.69	-294.98	233.36	14.67	-3.74	0.50	10.43	7.75
		195	3109.63	14.27	-247.46	-88.86	-144.34	127.89	-2.67	-29.57	-27.88	-4.36	-6.53
		199	2639.97	32.11	-237.02	-60.60	-144.31	127.89	6.59	-14.78	-11.71	3.51	-7.50
857	8	1140	2894.83	32.06	-461.52	-134.44	-295.01	233.36	24.32	10.66	16.68	18.30	6.78
		1119	2304.92	10.40	-366.81	-126.79	-229.63	181.46	11.44	-2.96	0.36	8.11	6.07

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		195	2444.42	10.82	-192.18	-69.21	-112.15	99.21	-2.18	-23.35	-22.00	-3.53	-5.17
		199	2073.30	24.96	-183.92	-46.84	-112.12	99.21	5.24	-11.62	-9.16	2.78	-5.95
		1140	2259.72	24.92	-358.99	-104.42	-229.65	181.46	19.13	8.49	13.20	14.42	5.29
857	9	1119	2110.42	9.74	-341.82	-118.02	-214.07	169.09	10.29	-2.59	0.39	7.30	5.44
		195	2157.86	10.13	-179.18	-64.40	-104.66	92.49	-1.78	-20.34	-19.21	-2.91	-4.43
		199	1840.88	23.21	-171.55	-43.70	-104.64	92.49	4.50	-10.14	-8.10	2.45	-5.07
		1140	2064.17	23.18	-334.59	-97.32	-214.09	169.09	16.92	7.26	11.51	12.67	4.80
857	10	1119	2044.69	9.25	-333.59	-115.34	-209.00	164.90	9.90	-2.42	0.50	6.98	5.23
		195	2124.33	9.63	-174.71	-62.96	-102.12	90.07	-1.91	-20.09	-18.88	-3.12	-4.52
		199	1812.08	22.63	-167.14	-42.41	-102.10	90.07	4.35	-10.06	-7.89	2.18	-5.15
		1140	2008.28	22.60	-326.42	-94.80	-209.02	164.90	16.50	7.27	11.49	12.28	4.60
857	11	1119	2113.18	9.25	-343.13	-118.78	-215.10	169.48	10.29	-2.58	0.41	7.30	5.44
		195	2155.94	9.64	-179.32	-64.77	-104.91	92.32	-1.79	-20.34	-19.20	-2.93	-4.44
		199	1840.57	23.22	-171.42	-43.31	-104.89	92.32	4.48	-10.15	-8.10	2.43	-5.08
		1140	2067.51	23.20	-335.65	-97.32	-215.12	169.48	16.92	7.25	11.52	12.65	4.80
858	1	964	9517.63	7.39	-1785.85	-1779.74	1.27	104.53	17.21	-19.72	-16.62	14.10	-10.25
		965	9230.52	29.26	-1772.44	-1768.14	24.96	87.96	14.32	-19.11	-15.39	10.60	-10.51
		1092	9208.16	29.16	-1816.60	-1812.40	24.96	87.96	9.09	-22.44	-16.92	3.57	-11.98
		1093	9478.59	7.24	-1829.96	-1824.00	1.27	104.53	11.68	-22.75	-18.15	7.08	-11.72
858	2	964	1.087e+04	8.32	-2070.17	-2063.42	1.58	118.20	17.39	-21.78	-18.88	14.49	-10.25
		965	1.056e+04	32.30	-2055.54	-2050.73	27.49	100.07	13.76	-20.99	-17.74	10.51	-10.12
		1092	1.056e+04	32.18	-2107.86	-2103.17	27.49	100.07	8.89	-24.11	-19.01	3.79	-11.92
		1093	1.086e+04	8.16	-2122.44	-2115.86	1.58	118.20	12.26	-24.64	-20.16	7.77	-12.06
858	3	964	9679.21	7.43	-1819.31	-1813.02	1.15	106.93	17.26	-20.04	-16.92	14.14	-10.33
		965	9388.10	29.96	-1805.48	-1801.07	25.56	89.85	14.31	-19.39	-15.68	10.60	-10.56
		1092	9408.49	29.84	-1860.31	-1856.03	25.56	89.85	9.12	-22.72	-17.19	3.59	-12.06
		1093	9683.28	7.24	-1874.07	-1867.98	1.15	106.93	11.77	-23.07	-18.44	7.13	-11.83
858	4	964	9690.40	7.96	-1821.13	-1814.90	1.73	106.57	17.25	-20.04	-16.94	14.15	-10.29
		965	9399.03	29.64	-1807.83	-1803.40	25.21	90.14	14.27	-19.40	-15.72	10.59	-10.50
		1092	9410.99	29.52	-1860.70	-1856.39	25.21	90.14	9.09	-22.71	-17.22	3.60	-12.01
		1093	9685.90	7.79	-1873.94	-1867.88	1.73	106.57	11.77	-23.06	-18.45	7.16	-11.80
858	5	964	9588.51	7.91	-1800.69	-1794.56	1.78	105.12	17.21	-19.80	-16.72	14.13	-10.22
		965	9300.27	29.25	-1787.61	-1783.25	24.89	88.95	14.26	-19.19	-15.52	10.59	-10.45
		1092	9289.69	29.14	-1834.93	-1830.68	24.89	88.95	9.06	-22.51	-17.03	3.59	-11.95
		1093	9561.23	7.75	-1847.97	-1842.00	1.78	105.12	11.72	-22.82	-18.23	7.13	-11.72
858	6	964	9509.94	7.76	-1783.69	-1777.56	1.64	104.58	17.21	-19.71	-16.61	14.11	-10.23
		965	9222.57	29.19	-1770.55	-1766.20	24.84	88.34	14.30	-19.10	-15.40	10.60	-10.49
		1092	9195.00	29.09	-1813.48	-1809.23	24.84	88.34	9.08	-22.43	-16.93	3.58	-11.96
		1093	9465.58	7.62	-1826.58	-1820.60	1.64	104.58	11.69	-22.74	-18.14	7.09	-11.71
858	7	964	9457.13	7.74	-1772.48	-1766.34	1.60	104.33	17.21	-19.67	-16.54	14.08	-10.28
		965	9169.77	29.16	-1759.33	-1754.98	24.81	88.09	14.37	-19.05	-15.29	10.61	-10.56
		1092	9167.28	29.04	-1808.35	-1804.12	24.81	88.09	9.12	-22.40	-16.84	3.56	-12.01
		1093	9437.95	7.57	-1821.45	-1815.48	1.60	104.33	11.65	-22.71	-18.09	7.03	-11.73
858	8	964	7467.42	5.67	-1400.94	-1396.09	0.82	82.43	13.61	-15.33	-12.97	11.24	-7.94
		965	7243.04	23.12	-1390.23	-1386.84	19.72	69.20	11.27	-14.90	-12.06	8.43	-8.14
		1092	7250.25	23.02	-1432.24	-1428.94	19.72	69.20	7.12	-17.51	-13.25	2.85	-9.32
		1093	7461.10	5.53	-1442.90	-1438.20	0.82	82.43	9.23	-17.71	-14.16	5.67	-9.12
858	9	964	6748.04	5.32	-1269.10	-1264.76	0.98	74.27	11.87	-14.12	-11.88	9.63	-7.30
		965	6544.13	20.76	-1259.63	-1256.57	17.70	62.57	9.90	-13.62	-10.95	7.24	-7.46
		1092	6542.29	20.69	-1292.43	-1289.45	17.70	62.57	6.35	-15.92	-12.01	2.44	-8.47
		1093	6735.39	5.21	-1301.87	-1297.64	0.98	74.27	8.12	-16.23	-12.94	4.83	-8.32
858	10	964	6837.84	5.34	-1287.69	-1283.25	0.91	75.60	11.90	-14.30	-12.05	9.64	-7.35
		965	6631.70	21.16	-1277.99	-1274.86	18.03	63.62	9.90	-13.77	-11.11	7.24	-7.48
		1092	6653.61	21.06	-1316.72	-1313.68	18.03	63.62	6.37	-16.07	-12.16	2.46	-8.51
		1093	6849.12	5.21	-1326.38	-1322.07	0.91	75.60	8.17	-16.41	-13.10	4.86	-8.38
858	11	964	6743.76	5.53	-1267.90	-1263.55	1.18	74.30	11.87	-14.12	-11.88	9.63	-7.29
		965	6539.71	20.73	-1258.58	-1255.49	17.64	62.78	9.89	-13.61	-10.96	7.24	-7.44
		1092	6534.99	20.65	-1290.70	-1287.69	17.64	62.78	6.35	-15.91	-12.01	2.45	-8.46
		1093	6728.16	5.42	-1299.99	-1295.75	1.18	74.30	8.12	-16.22	-12.94	4.84	-8.31
859	1	963	1.092e+04	17.45	-2062.81	-2061.83	16.47	45.27	16.75	-21.86	-18.96	13.85	-10.17
		964	1.077e+04	13.98	-2064.68	-2063.58	12.88	47.78	14.45	-22.60	-18.97	10.82	-11.02
		1093	1.062e+04	13.97	-2081.66	-2080.57	12.88	47.78	8.56	-25.40	-20.41	3.57	-12.02
		1094	1.075e+04	17.44	-2079.79	-2078.81	16.47	45.27	10.62	-24.43	-20.41	6.60	-11.18
859	2	963	1.250e+04	18.09	-2393.60	-2392.44	16.94	52.73	17.25	-24.58	-21.56	14.23	-10.83
		964	1.234e+04	16.64	-2394.38	-2393.18	15.44	53.78	14.24	-25.37	-21.85	10.71	-11.28
		1093	1.216e+04	16.64	-2404.24	-2403.05	15.44	53.78	8.81	-27.97	-22.96	3.80	-12.61
		1094	1.230e+04	18.09	-2403.46	-2402.31	16.94	52.73	11.64	-26.99	-22.67	7.32	-12.17
859	3	963	1.112e+04	17.77	-2103.13	-2102.11	16.75	46.47	16.82	-22.26	-19.32	13.88	-10.31
		964	1.096e+04	14.35	-2104.97	-2103.84	13.22	48.94	14.48	-22.99	-19.33	10.82	-11.12
		1093	1.085e+04	14.34	-2131.56	-2130.45	13.22	48.94	8.62	-25.78	-20.75	3.59	-12.16
		1094	1.099e+04	17.76	-2129.72	-2128.72	16.75	46.47	10.74	-24.83	-20.74	6.65	-11.34
859	4	963	1.112e+04	18.45	-2102.81	-2101.84	17.48	45.30	16.82	-22.25	-19.33	13.89	-10.29

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		964	1.097e+04	14.05	-2105.17	-2104.06	12.94	48.48	14.45	-23.00	-19.36	10.81	-11.09
		1093	1.084e+04	14.04	-2129.52	-2128.42	12.94	48.48	8.61	-25.78	-20.77	3.60	-12.13
		1094	1.098e+04	18.44	-2127.15	-2126.20	17.48	45.30	10.75	-24.81	-20.73	6.68	-11.33
859	5	963	1.100e+04	18.25	-2078.33	-2077.38	17.30	44.59	16.78	-21.97	-19.08	13.88	-10.19
		964	1.084e+04	13.82	-2080.71	-2079.62	12.73	47.79	14.43	-22.73	-19.12	10.81	-11.01
		1093	1.070e+04	13.81	-2100.02	-2098.94	12.73	47.79	8.57	-25.52	-20.53	3.59	-12.04
		1094	1.084e+04	18.24	-2097.64	-2096.70	17.30	44.59	10.70	-24.53	-20.49	6.65	-11.23
859	6	963	1.091e+04	17.88	-2059.75	-2058.78	16.92	44.71	16.75	-21.85	-18.96	13.86	-10.17
		964	1.076e+04	13.83	-2061.92	-2060.83	12.74	47.63	14.45	-22.60	-18.98	10.82	-11.01
		1093	1.060e+04	13.83	-2077.94	-2076.85	12.74	47.63	8.56	-25.40	-20.41	3.58	-12.02
		1094	1.074e+04	17.87	-2075.76	-2074.81	16.92	44.71	10.64	-24.42	-20.39	6.61	-11.18
859	7	963	1.085e+04	17.74	-2048.08	-2047.11	16.78	44.70	16.72	-21.78	-18.88	13.82	-10.16
		964	1.070e+04	13.83	-2050.18	-2049.09	12.74	47.53	14.48	-22.50	-18.85	10.83	-11.02
		1093	1.057e+04	13.82	-2072.22	-2071.14	12.74	47.53	8.56	-25.32	-20.32	3.56	-12.01
		1094	1.071e+04	17.73	-2070.12	-2069.16	16.78	44.70	10.57	-24.36	-20.34	6.55	-11.15
859	8	963	8575.26	13.63	-1619.79	-1619.00	12.84	35.92	13.28	-17.04	-14.81	11.05	-7.91
		964	8456.14	11.09	-1621.16	-1620.28	10.21	37.76	11.39	-17.67	-14.87	8.60	-8.57
		1093	8361.28	11.07	-1641.50	-1640.64	10.21	37.76	6.73	-19.88	-15.99	2.85	-9.40
		1094	8467.01	13.62	-1640.14	-1639.36	12.84	35.92	8.44	-19.06	-15.93	5.30	-8.74
859	9	963	7745.09	12.49	-1465.79	-1465.10	11.80	32.04	11.54	-15.64	-13.55	9.44	-7.25
		964	7636.33	9.90	-1467.19	-1466.41	9.12	33.91	10.00	-16.09	-13.49	7.39	-7.82
		1093	7542.18	9.90	-1480.54	-1479.77	9.12	33.91	5.98	-18.03	-14.49	2.44	-8.51
		1094	7640.19	12.49	-1479.14	-1478.46	11.80	32.04	7.37	-17.42	-14.55	4.49	-7.94
859	10	963	7854.22	12.67	-1488.19	-1487.47	11.96	32.70	11.58	-15.86	-13.74	9.46	-7.33
		964	7744.49	10.11	-1489.57	-1488.77	9.31	34.55	10.01	-16.31	-13.69	7.39	-7.88
		1093	7671.57	10.10	-1508.26	-1507.48	9.31	34.55	6.01	-18.24	-14.68	2.45	-8.58
		1094	7770.67	12.66	-1506.89	-1506.18	11.96	32.70	7.43	-17.64	-14.73	4.52	-8.03
859	11	963	7739.12	12.73	-1464.09	-1463.41	12.05	31.73	11.54	-15.64	-13.54	9.45	-7.25
		964	7630.38	9.82	-1465.65	-1464.88	9.05	33.83	9.99	-16.09	-13.50	7.39	-7.81
		1093	7533.95	9.82	-1478.47	-1477.70	9.05	33.83	5.98	-18.02	-14.49	2.44	-8.50
		1094	7631.89	12.72	-1476.91	-1476.23	12.05	31.73	7.37	-17.42	-14.54	4.50	-7.94
860	1	1074	6544.90	-29.84	-1217.14	-1212.21	-34.77	-76.35	5.05	-17.11	-14.79	2.74	-6.78
		1073	6294.35	59.04	-1187.36	-1173.21	44.88	-132.09	6.33	-11.61	-10.63	5.35	-4.07
		992	6984.92	58.09	-1275.74	-1262.53	44.88	-132.09	13.86	-10.23	-9.52	13.15	-4.07
		991	7190.58	-30.19	-1306.11	-1301.53	-34.77	-76.35	12.31	-15.45	-13.68	10.54	-6.79
860	2	1074	6555.64	-29.94	-1218.75	-1213.78	-34.91	-76.71	5.09	-17.16	-14.81	2.74	-6.84
		1073	6304.84	59.20	-1188.93	-1174.68	44.95	-132.60	6.35	-11.65	-10.65	5.35	-4.12
		992	6999.92	58.24	-1278.49	-1265.20	44.95	-132.60	13.88	-10.26	-9.54	13.16	-4.13
		991	7205.91	-30.30	-1308.93	-1304.31	-34.92	-76.71	12.34	-15.50	-13.71	10.54	-6.84
860	3	1074	6667.80	-30.72	-1238.61	-1233.43	-35.90	-78.93	5.26	-17.56	-15.04	2.74	-7.15
		1073	6413.47	61.01	-1208.07	-1193.24	46.18	-136.37	6.50	-11.93	-10.80	5.37	-4.42
		992	7122.65	59.98	-1301.30	-1287.50	46.18	-136.37	14.00	-10.54	-9.71	13.17	-4.43
		991	7332.56	-31.09	-1332.49	-1327.68	-35.90	-78.93	12.48	-15.89	-13.95	10.54	-7.16
860	4	1074	6742.43	-32.67	-1257.54	-1252.45	-37.76	-78.81	5.27	-17.60	-15.08	2.75	-7.17
		1073	6501.46	68.47	-1223.99	-1208.18	52.66	-142.07	6.56	-11.96	-10.81	5.41	-4.47
		992	7199.84	67.42	-1314.09	-1299.32	52.66	-142.07	14.04	-10.58	-9.75	13.20	-4.45
		991	7395.30	-33.02	-1348.33	-1343.59	-37.76	-78.81	12.47	-15.95	-14.02	10.54	-7.15
860	5	1074	7283.33	-36.28	-1349.85	-1343.58	-42.55	-90.54	6.31	-19.71	-16.12	2.72	-8.97
		1073	7026.15	75.50	-1313.62	-1294.93	56.81	-160.07	7.40	-13.59	-11.57	5.38	-6.19
		992	7779.10	74.17	-1418.62	-1401.25	56.81	-160.07	14.73	-12.08	-10.55	13.20	-6.22
		991	7993.14	-36.75	-1455.70	-1449.90	-42.55	-90.54	13.39	-17.95	-15.11	10.54	-9.01
860	6	1074	6623.77	-31.93	-1236.99	-1232.14	-36.78	-76.30	5.07	-17.17	-14.84	2.74	-6.80
		1073	6387.03	67.04	-1203.99	-1188.76	51.81	-138.29	6.39	-11.64	-10.65	5.40	-4.11
		992	7069.91	66.06	-1289.99	-1275.74	51.81	-138.29	13.90	-10.28	-9.56	13.19	-4.09
		991	7260.55	-32.26	-1323.64	-1319.12	-36.78	-76.30	12.30	-15.52	-13.76	10.53	-6.78
860	7	1074	6538.45	-29.84	-1216.43	-1211.49	-34.78	-76.43	5.02	-17.06	-14.78	2.73	-6.73
		1073	6288.30	59.01	-1186.68	-1172.51	44.84	-132.14	6.30	-11.58	-10.63	5.35	-4.01
		992	6978.01	58.07	-1274.82	-1261.59	44.84	-132.14	13.84	-10.20	-9.51	13.15	-4.02
		991	7183.23	-30.18	-1305.17	-1300.58	-34.78	-76.43	12.29	-15.41	-13.66	10.54	-6.73
860	8	1074	5141.07	-23.66	-953.82	-949.83	-27.65	-60.81	4.14	-13.54	-11.59	2.20	-5.53
		1073	4944.33	46.99	-930.30	-918.87	35.56	-105.05	5.17	-9.14	-8.28	4.31	-3.40
		992	5499.76	46.20	-1002.13	-991.50	35.56	-105.05	11.11	-8.03	-7.41	10.50	-3.38
		991	5660.56	-23.95	-1026.16	-1022.45	-27.65	-60.81	9.86	-12.21	-10.73	8.39	-5.51
860	9	1074	4647.01	-21.24	-865.36	-861.85	-24.76	-54.37	3.51	-12.16	-10.50	1.85	-4.81
		1073	4469.86	42.05	-844.18	-834.08	31.95	-94.05	4.33	-8.31	-7.60	3.61	-2.92
		992	4951.50	41.37	-907.24	-897.82	31.95	-94.05	9.49	-7.37	-6.84	8.95	-2.95
		991	5098.64	-21.49	-928.86	-925.59	-24.76	-54.37	8.48	-11.03	-9.74	7.19	-4.85
860	10	1074	4715.28	-21.73	-877.29	-873.64	-25.39	-55.81	3.62	-12.40	-10.64	1.85	-5.02
		1073	4536.06	43.14	-855.68	-845.21	32.67	-96.43	4.42	-8.49	-7.69	3.62	-3.12
		992	5028.13	42.42	-921.44	-911.69	32.67	-96.43	9.56	-7.54	-6.94	8.96	-3.15
		991	5177.58	-21.99	-943.51	-940.12	-25.39	-55.81	8.58	-11.27	-9.89	7.19	-5.05
860	11	1074	4690.83	-22.40	-876.39	-872.92	-25.88	-54.35	3.51	-12.19	-10.53	1.86	-4.82

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1073	4521.33	46.49	-853.41	-842.72	35.80	-97.50	4.36	-8.33	-7.61	3.64	-2.94
		992	4998.71	45.80	-915.16	-905.16	35.80	-97.50	9.51	-7.40	-6.86	8.97	-2.96
		991	5137.54	-22.64	-938.60	-935.36	-25.88	-54.35	8.47	-11.07	-9.78	7.19	-4.84
861	1	1075	8386.53	-26.75	-1600.82	-1599.40	-28.17	-47.21	5.83	-20.95	-17.99	2.87	-8.39
		1074	8233.85	58.40	-1566.81	-1560.23	51.83	-103.19	7.07	-16.48	-14.83	5.42	-6.02
		991	8787.62	58.16	-1628.46	-1622.13	51.83	-103.19	14.42	-14.81	-13.57	13.19	-5.88
		990	8905.41	-26.81	-1662.66	-1661.30	-28.17	-47.21	12.94	-19.03	-16.73	10.65	-8.25
861	2	1075	8405.18	-26.90	-1604.31	-1602.86	-28.35	-47.71	5.86	-21.00	-18.03	2.88	-8.44
		1074	8252.06	58.55	-1570.22	-1563.57	51.90	-103.86	7.11	-16.53	-14.85	5.43	-6.07
		991	8811.49	58.30	-1633.30	-1626.90	51.90	-103.86	14.45	-14.85	-13.60	13.19	-5.93
		990	8929.79	-26.96	-1667.58	-1666.19	-28.35	-47.71	12.96	-19.09	-16.77	10.65	-8.29
861	3	1075	8567.33	-27.64	-1635.92	-1634.41	-29.15	-49.32	6.01	-21.44	-18.32	2.89	-8.72
		1074	8410.79	60.14	-1600.99	-1594.07	53.23	-106.97	7.28	-16.87	-15.06	5.47	-6.36
		991	8975.77	59.88	-1665.32	-1658.67	53.23	-106.97	14.58	-15.20	-13.84	13.22	-6.21
		990	9097.76	-27.70	-1700.46	-1699.00	-29.15	-49.32	13.07	-19.53	-17.10	10.64	-8.56
861	4	1075	8663.87	-27.44	-1659.42	-1657.95	-28.91	-48.91	6.01	-21.48	-18.37	2.89	-8.71
		1074	8506.78	59.78	-1624.55	-1617.82	53.05	-106.26	7.30	-16.91	-15.10	5.49	-6.37
		991	9037.04	59.57	-1680.07	-1673.56	53.05	-106.26	14.58	-15.24	-13.89	13.23	-6.20
		990	9159.70	-27.49	-1715.11	-1713.69	-28.91	-48.91	13.05	-19.58	-17.16	10.63	-8.55
861	5	1075	9466.03	-32.09	-1810.92	-1808.85	-34.16	-60.66	7.00	-23.95	-19.87	2.92	-10.46
		1074	9284.73	66.71	-1772.23	-1763.66	58.14	-125.25	8.30	-18.86	-16.16	5.60	-8.13
		991	9887.53	66.38	-1845.19	-1836.94	58.14	-125.25	15.37	-17.19	-15.11	13.29	-7.95
		990	1.004e+04	-32.17	-1884.13	-1882.14	-34.16	-60.66	13.85	-22.07	-18.83	10.61	-10.28
861	6	1075	8490.50	-26.59	-1625.99	-1624.62	-27.96	-46.81	5.82	-20.99	-18.05	2.88	-8.38
		1074	8337.27	58.10	-1592.01	-1585.61	51.70	-102.55	7.10	-16.53	-14.87	5.44	-6.02
		991	8857.40	57.90	-1645.13	-1638.93	51.70	-102.55	14.43	-14.85	-13.63	13.20	-5.87
		990	8975.90	-26.64	-1679.26	-1677.94	-27.96	-46.81	12.92	-19.08	-16.80	10.64	-8.23
861	7	1075	8382.99	-26.77	-1600.78	-1599.35	-28.20	-47.38	5.80	-20.90	-17.98	2.87	-8.34
		1074	8230.87	58.39	-1566.79	-1560.19	51.79	-103.34	7.04	-16.45	-14.82	5.41	-5.97
		991	8780.36	58.15	-1627.39	-1621.03	51.79	-103.35	14.40	-14.77	-13.56	13.18	-5.83
		990	8897.57	-26.82	-1661.57	-1660.19	-28.20	-47.38	12.92	-18.98	-16.71	10.65	-8.20
861	8	1075	6604.38	-21.29	-1259.90	-1258.73	-22.46	-38.00	4.72	-16.53	-14.12	2.31	-6.74
		1074	6483.03	46.34	-1232.99	-1227.66	41.01	-82.41	5.77	-12.94	-11.56	4.39	-4.90
		991	6926.98	46.14	-1282.59	-1277.45	41.01	-82.41	11.56	-11.62	-10.60	10.54	-4.75
		990	7020.38	-21.34	-1309.65	-1308.53	-22.46	-38.00	10.31	-15.02	-13.16	8.46	-6.60
861	9	1075	5958.30	-19.05	-1138.69	-1137.68	-20.06	-33.67	4.05	-14.88	-12.78	1.95	-5.94
		1074	5850.54	41.56	-1114.49	-1109.80	36.87	-73.51	4.86	-11.78	-10.59	3.66	-4.29
		991	6234.69	41.39	-1158.34	-1153.82	36.87	-73.51	9.89	-10.63	-9.72	8.98	-4.23
		990	6319.14	-19.09	-1182.67	-1181.69	-20.06	-33.67	8.92	-13.57	-11.91	7.27	-5.87
861	10	1075	6058.74	-19.54	-1158.19	-1157.13	-20.61	-34.84	4.15	-15.15	-12.96	1.96	-6.13
		1074	5948.85	42.53	-1133.48	-1128.60	37.65	-75.61	4.97	-12.00	-10.71	3.69	-4.49
		991	6339.29	42.35	-1178.82	-1174.12	37.65	-75.61	9.97	-10.85	-9.87	8.99	-4.41
		990	6426.05	-19.58	-1203.67	-1202.64	-20.61	-34.84	9.00	-13.85	-12.12	7.26	-6.05
861	11	1075	6016.06	-18.96	-1152.67	-1151.68	-19.95	-33.45	4.05	-14.91	-12.81	1.95	-5.94
		1074	5907.99	41.40	-1128.49	-1123.90	36.80	-73.16	4.87	-11.80	-10.61	3.68	-4.30
		991	6273.46	41.25	-1167.60	-1163.15	36.80	-73.16	9.89	-10.66	-9.75	8.99	-4.22
		990	6358.30	-18.99	-1191.89	-1190.94	-19.95	-33.45	8.91	-13.60	-11.95	7.26	-5.86
862	1	1076	9561.74	-15.08	-1847.20	-1847.02	-15.26	-17.98	6.62	-23.32	-19.75	3.05	-9.69
		1075	9487.20	40.35	-1822.28	-1820.61	38.68	-55.73	8.08	-19.90	-17.53	5.71	-7.78
		990	9898.84	40.32	-1854.44	-1852.80	38.68	-55.73	15.12	-17.95	-16.21	13.38	-7.38
		989	9946.89	-15.08	-1879.38	-1879.21	-15.26	-17.98	13.43	-21.14	-18.43	10.72	-9.29
862	2	1076	9591.27	-15.27	-1853.28	-1853.10	-15.46	-18.52	6.64	-23.38	-19.80	3.06	-9.73
		1075	9516.32	40.59	-1828.20	-1826.49	38.88	-56.55	8.11	-19.95	-17.56	5.73	-7.83
		990	9932.92	40.56	-1861.57	-1859.89	38.88	-56.55	15.14	-18.00	-16.24	13.39	-7.42
		989	9981.40	-15.28	-1886.68	-1886.49	-15.46	-18.52	13.44	-21.20	-18.48	10.72	-9.33
862	3	1076	9790.01	-15.78	-1893.74	-1893.54	-15.98	-19.27	6.77	-23.83	-20.13	3.08	-9.97
		1075	9712.62	41.88	-1867.88	-1866.09	40.08	-58.50	8.29	-20.33	-17.83	5.79	-8.08
		990	1.012e+04	41.85	-1899.54	-1897.78	40.08	-58.50	15.26	-18.39	-16.55	13.42	-7.65
		989	1.017e+04	-15.78	-1925.42	-1925.23	-15.98	-19.27	13.52	-21.67	-18.86	10.71	-9.54
862	4	1076	9873.37	-15.59	-1914.40	-1914.23	-15.76	-18.00	6.75	-23.86	-20.17	3.07	-9.96
		1075	9796.88	42.16	-1888.41	-1886.71	40.46	-57.34	8.28	-20.36	-17.87	5.78	-8.07
		990	1.017e+04	42.14	-1911.35	-1909.67	40.46	-57.34	15.25	-18.42	-16.59	13.42	-7.64
		989	1.022e+04	-15.59	-1937.36	-1937.19	-15.76	-18.00	13.51	-21.69	-18.89	10.71	-9.53
862	5	1076	1.093e+04	-19.61	-2122.88	-2122.51	-19.99	-28.06	7.65	-26.51	-22.11	3.25	-11.45
		1075	1.083e+04	49.72	-2092.29	-2089.66	47.09	-74.99	9.42	-22.51	-19.22	6.13	-9.71
		990	1.131e+04	49.67	-2139.27	-2136.70	47.09	-74.99	16.08	-20.69	-18.24	13.62	-9.18
		989	1.139e+04	-19.62	-2169.91	-2169.55	-19.99	-28.06	14.12	-24.51	-21.13	10.74	-10.92
862	6	1076	9653.21	-14.92	-1869.59	-1869.44	-15.07	-16.85	6.60	-23.36	-19.81	3.05	-9.69
		1075	9579.39	40.57	-1844.56	-1842.97	38.98	-54.67	8.06	-19.95	-17.59	5.71	-7.77
		990	9959.36	40.55	-1868.77	-1867.21	38.98	-54.67	15.11	-17.99	-16.26	13.38	-7.37
		989	1.001e+04	-14.92	-1893.82	-1893.67	-15.07	-16.85	13.42	-21.18	-18.47	10.71	-9.28
862	7	1076	9562.96	-15.13	-1848.31	-1848.13	-15.31	-18.17	6.59	-23.28	-19.73	3.05	-9.66

		1075	9489.13	40.41	-1823.36	-1821.68	38.73	-55.98	8.04	-19.87	-17.53	5.70	-7.74
		990	9891.81	40.38	-1853.32	-1851.66	38.73	-55.98	15.09	-17.92	-16.19	13.37	-7.34
		989	9939.13	-15.13	-1878.30	-1878.12	-15.31	-18.17	13.42	-21.10	-18.40	10.72	-9.26
862	8	1076	7546.31	-12.15	-1458.53	-1458.37	-12.31	-14.84	5.30	-18.37	-15.52	2.45	-7.70
		1075	7485.80	32.27	-1438.60	-1437.22	30.89	-45.06	6.55	-15.60	-13.69	4.64	-6.23
		990	7810.68	32.25	-1463.01	-1461.65	30.89	-45.06	12.09	-14.07	-12.68	10.70	-5.87
		989	7849.77	-12.16	-1482.95	-1482.80	-12.31	-14.84	10.66	-16.66	-14.51	8.51	-7.34
862	9	1076	6796.16	-10.76	-1314.47	-1314.34	-10.89	-12.89	4.61	-16.56	-14.03	2.08	-6.87
		1075	6744.05	28.74	-1296.72	-1295.53	27.55	-39.78	5.57	-14.21	-12.51	3.87	-5.54
		990	7026.28	28.72	-1319.32	-1318.14	27.55	-39.78	10.38	-12.86	-11.59	9.11	-5.28
		989	7060.80	-10.76	-1337.08	-1336.96	-10.89	-12.89	9.27	-15.07	-13.12	7.32	-6.61
862	10	1076	6922.98	-11.15	-1340.33	-1340.19	-11.29	-13.61	4.69	-16.84	-14.24	2.09	-7.02
		1075	6869.29	29.59	-1322.06	-1320.79	28.32	-41.32	5.69	-14.45	-12.67	3.91	-5.71
		990	7151.05	29.57	-1344.37	-1343.13	28.32	-41.32	10.46	-13.11	-11.78	9.14	-5.44
		989	7187.24	-11.15	-1362.66	-1362.52	-11.29	-13.61	9.32	-15.36	-13.36	7.31	-6.74
862	11	1076	6846.99	-10.67	-1326.91	-1326.80	-10.78	-12.26	4.60	-16.58	-14.06	2.07	-6.86
		1075	6795.26	28.86	-1309.10	-1307.95	27.71	-39.19	5.56	-14.23	-12.54	3.87	-5.53
		990	7059.90	28.85	-1327.28	-1326.15	27.71	-39.19	10.38	-12.89	-11.62	9.11	-5.28
		989	7094.08	-10.67	-1345.11	-1344.99	-10.78	-12.26	9.26	-15.09	-13.14	7.32	-6.61
863	1	1077	9968.71	-2.57	-1939.23	-1939.13	-2.67	13.56	7.36	-24.07	-19.97	3.26	-10.58
		1076	9986.17	27.65	-1924.33	-1924.30	27.62	-7.63	9.12	-21.74	-18.72	6.10	-9.18
		989	1.028e+04	27.65	-1932.54	-1932.51	27.62	-7.63	15.78	-19.51	-17.35	13.62	-8.47
		988	1.024e+04	-2.57	-1947.44	-1947.34	-2.67	13.56	13.79	-21.61	-18.60	10.78	-9.87
863	2	1077	1.001e+04	-2.77	-1948.22	-1948.13	-2.86	13.20	7.37	-24.13	-20.02	3.27	-10.61
		1076	1.003e+04	27.99	-1933.08	-1933.04	27.96	-8.36	9.16	-21.79	-18.75	6.12	-9.22
		989	1.033e+04	27.99	-1941.54	-1941.51	27.96	-8.36	15.80	-19.57	-17.39	13.63	-8.50
		988	1.029e+04	-2.77	-1956.68	-1956.59	-2.86	13.20	13.79	-21.68	-18.67	10.78	-9.89
863	3	1077	1.023e+04	-2.94	-1993.09	-1993.00	-3.03	13.28	7.46	-24.54	-20.37	3.29	-10.77
		1076	1.024e+04	28.80	-1977.47	-1977.43	28.76	-8.97	9.31	-22.17	-19.05	6.19	-9.42
		989	1.052e+04	28.80	-1981.83	-1981.79	28.76	-8.97	15.91	-19.96	-17.73	13.67	-8.67
		988	1.049e+04	-2.94	-1997.45	-1997.36	-3.03	13.28	13.83	-22.11	-19.05	10.78	-10.03
863	4	1077	1.028e+04	-2.45	-2007.15	-2007.05	-2.55	14.27	7.45	-24.57	-20.40	3.28	-10.78
		1076	1.030e+04	28.07	-1992.09	-1992.07	28.05	-7.14	9.28	-22.21	-19.09	6.16	-9.41
		989	1.056e+04	28.07	-1990.40	-1990.37	28.05	-7.14	15.89	-19.99	-17.76	13.66	-8.67
		988	1.052e+04	-2.45	-2005.46	-2005.35	-2.55	14.27	13.84	-22.13	-19.06	10.78	-10.04
863	5	1077	1.151e+04	-5.47	-2259.99	-2259.87	-5.59	16.49	8.00	-27.03	-22.50	3.47	-11.75
		1076	1.153e+04	40.44	-2237.49	-2237.39	40.34	-15.65	10.53	-24.43	-20.76	6.85	-10.72
		989	1.188e+04	40.44	-2256.76	-2256.65	40.34	-15.65	16.62	-22.35	-19.79	14.05	-9.66
		988	1.183e+04	-5.47	-2279.26	-2279.14	-5.59	16.49	13.90	-24.75	-21.53	10.67	-10.69
863	6	1077	1.004e+04	-2.16	-1955.68	-1955.57	-2.27	14.31	7.35	-24.11	-20.01	3.25	-10.59
		1076	1.005e+04	26.92	-1941.31	-1941.29	26.90	-6.10	9.09	-21.80	-18.78	6.07	-9.17
		989	1.033e+04	26.92	-1944.45	-1944.43	26.90	-6.10	15.77	-19.56	-17.40	13.61	-8.47
		988	1.029e+04	-2.16	-1958.82	-1958.72	-2.27	14.31	13.80	-21.64	-18.63	10.79	-9.88
863	7	1077	9975.30	-2.63	-1941.61	-1941.52	-2.72	13.40	7.34	-24.04	-19.95	3.26	-10.56
		1076	9993.44	27.73	-1926.66	-1926.63	27.70	-7.88	9.09	-21.72	-18.71	6.08	-9.15
		989	1.028e+04	27.73	-1931.46	-1931.43	27.70	-7.88	15.77	-19.49	-17.33	13.61	-8.45
		988	1.024e+04	-2.63	-1946.42	-1946.32	-2.72	13.40	13.79	-21.57	-18.57	10.79	-9.86
863	8	1077	7881.32	-2.26	-1535.01	-1534.94	-2.33	10.25	5.84	-18.92	-15.70	2.62	-8.33
		1076	7892.96	22.19	-1522.98	-1522.95	22.16	-6.89	7.34	-17.02	-14.63	4.94	-7.25
		989	8119.44	22.19	-1526.37	-1526.34	22.16	-6.89	12.58	-15.28	-13.59	10.89	-6.65
		988	8090.18	-2.26	-1538.39	-1538.33	-2.33	10.25	10.90	-17.00	-14.67	8.57	-7.72
863	9	1077	7087.84	-1.86	-1380.51	-1380.45	-1.93	9.56	5.13	-17.09	-14.19	2.22	-7.49
		1076	7101.18	19.71	-1369.88	-1369.86	19.69	-5.57	6.31	-15.52	-13.35	4.14	-6.53
		989	7300.66	19.71	-1375.11	-1375.09	19.69	-5.57	10.86	-13.98	-12.41	9.28	-6.05
		988	7273.02	-1.86	-1385.74	-1385.67	-1.93	9.56	9.53	-15.40	-13.24	7.37	-7.01
863	10	1077	7230.36	-2.07	-1410.43	-1410.37	-2.13	9.40	5.18	-17.36	-14.41	2.24	-7.60
		1076	7243.06	20.35	-1399.40	-1399.37	20.33	-6.31	6.41	-15.76	-13.54	4.19	-6.66
		989	7434.68	20.35	-1402.49	-1402.46	20.33	-6.31	10.92	-14.23	-12.62	9.31	-6.16
		988	7407.75	-2.07	-1413.52	-1413.46	-2.13	9.40	9.55	-15.68	-13.49	7.36	-7.10
863	11	1077	7125.91	-1.64	-1389.65	-1389.58	-1.71	9.98	5.12	-17.11	-14.21	2.22	-7.49
		1076	7139.14	19.31	-1379.31	-1379.29	19.29	-4.72	6.29	-15.55	-13.39	4.13	-6.52
		989	7327.09	19.31	-1381.73	-1381.71	19.29	-4.72	10.85	-14.01	-12.44	9.28	-6.05
		988	7299.71	-1.64	-1392.07	-1391.99	-1.71	9.98	9.53	-15.42	-13.26	7.37	-7.02
864	1	1078	9561.96	13.69	-1866.98	-1865.80	12.51	47.02	8.07	-23.08	-18.54	3.53	-10.99
		1077	9678.03	16.84	-1865.27	-1864.21	15.78	44.74	10.13	-21.93	-18.33	6.53	-10.13
		988	9875.94	16.85	-1852.82	-1851.75	15.78	44.74	16.36	-19.40	-16.91	13.87	-9.10
		987	9741.54	13.70	-1854.53	-1853.35	12.51	47.02	14.05	-20.30	-17.12	10.87	-9.96
864	2	1078	9611.32	13.60	-1878.04	-1876.88	12.44	46.90	8.07	-23.13	-18.59	3.53	-11.00
		1077	9727.31	17.12	-1876.13	-1875.09	16.08	44.35	10.16	-21.98	-18.37	6.55	-10.15
		988	9922.51	17.13	-1862.92	-1861.88	16.08	44.35	16.37	-19.45	-16.96	13.88	-9.11
		987	9788.20	13.61	-1864.84	-1863.66	12.44	46.90	14.04	-20.36	-17.19	10.87	-9.96
864	3	1078	9822.33	13.85	-1922.80	-1921.62	12.67	47.80	8.11	-23.48	-18.92	3.56	-11.10

		1077	9939.34	17.61	-1920.77	-1919.72	16.56	45.08	10.28	-22.32	-18.67	6.62	-10.29
		988	1.011e+04	17.62	-1901.73	-1900.67	16.56	45.08	16.44	-19.81	-17.29	13.92	-9.21
		987	9976.82	13.86	-1903.77	-1902.58	12.67	47.80	14.04	-20.73	-17.55	10.86	-10.03
864	4	1078	9855.96	14.24	-1931.11	-1929.90	13.02	48.55	8.12	-23.50	-18.93	3.55	-11.12
		1077	9973.27	17.13	-1929.54	-1928.43	16.02	46.45	10.26	-22.36	-18.70	6.60	-10.30
		988	1.013e+04	17.14	-1906.71	-1905.59	16.02	46.45	16.44	-19.84	-17.31	13.91	-9.24
		987	9994.82	14.25	-1908.28	-1907.05	13.02	48.55	14.07	-20.74	-17.54	10.86	-10.06
864	5	1078	1.105e+04	16.37	-2180.65	-2179.38	15.10	52.79	8.30	-25.45	-20.88	3.73	-11.55
		1077	1.117e+04	17.32	-2180.14	-2178.90	16.09	52.10	11.01	-24.30	-20.43	7.14	-11.03
		988	1.138e+04	17.33	-2169.67	-2168.43	16.09	52.10	16.83	-21.91	-19.30	14.22	-9.71
		987	1.124e+04	16.37	-2170.19	-2168.91	15.10	52.79	13.92	-22.86	-19.75	10.82	-10.23
864	6	1078	9612.18	14.02	-1878.89	-1877.69	12.83	47.56	8.08	-23.12	-18.57	3.52	-11.02
		1077	9728.39	16.48	-1877.55	-1876.44	15.38	45.78	10.12	-21.99	-18.38	6.51	-10.14
		988	9913.25	16.49	-1861.99	-1860.87	15.38	45.78	16.36	-19.45	-16.95	13.86	-9.12
		987	9778.93	14.03	-1863.33	-1862.12	12.83	47.56	14.07	-20.34	-17.14	10.87	-10.00
864	7	1078	9573.33	13.64	-1870.44	-1869.27	12.47	46.92	8.07	-23.07	-18.52	3.52	-10.99
		1077	9689.96	16.92	-1868.66	-1867.61	15.87	44.55	10.11	-21.93	-18.32	6.50	-10.12
		988	9869.92	16.93	-1851.81	-1850.75	15.87	44.55	16.35	-19.39	-16.89	13.85	-9.10
		987	9735.02	13.65	-1853.59	-1852.41	12.47	46.92	14.06	-20.28	-17.09	10.87	-9.97
864	8	1078	7570.54	10.68	-1480.76	-1479.85	9.77	36.85	6.34	-18.10	-14.58	2.82	-8.58
		1077	7659.76	13.56	-1479.20	-1478.39	12.75	34.76	8.08	-17.14	-14.33	5.28	-7.93
		988	7801.58	13.57	-1464.60	-1463.78	12.75	34.76	12.99	-15.16	-13.25	11.08	-7.07
		987	7697.42	10.69	-1466.16	-1465.24	9.77	36.85	11.06	-15.93	-13.50	8.63	-7.72
864	9	1078	6800.46	9.71	-1329.62	-1328.79	8.88	33.39	5.63	-16.39	-13.17	2.41	-7.77
		1077	6883.91	12.02	-1328.37	-1327.62	11.27	31.71	7.02	-15.65	-13.08	4.45	-7.20
		988	7011.49	12.02	-1318.61	-1317.86	11.27	31.71	11.26	-13.90	-12.10	9.46	-6.49
		987	6916.08	9.72	-1319.87	-1319.03	8.88	33.39	9.71	-14.47	-12.19	7.43	-7.07
864	10	1078	6945.12	9.80	-1360.64	-1359.80	8.96	33.82	5.65	-16.61	-13.38	2.43	-7.84
		1077	7029.09	12.45	-1359.20	-1358.46	11.70	31.90	7.10	-15.87	-13.27	4.50	-7.28
		988	7142.65	12.45	-1345.78	-1345.04	11.70	31.90	11.31	-14.13	-12.31	9.49	-6.56
		987	7046.83	9.81	-1347.22	-1346.38	8.96	33.82	9.70	-14.71	-12.43	7.42	-7.11
864	11	1078	6828.37	9.90	-1336.24	-1335.39	9.05	33.68	5.63	-16.41	-13.19	2.41	-7.79
		1077	6911.89	11.82	-1335.19	-1334.42	11.05	32.29	7.01	-15.68	-13.11	4.43	-7.20
		988	7032.23	11.83	-1323.71	-1322.92	11.05	32.29	11.26	-13.93	-12.12	9.45	-6.51
		987	6936.86	9.90	-1324.75	-1323.90	9.05	33.68	9.72	-14.49	-12.20	7.43	-7.09
865	1	1079	8263.01	27.45	-1622.35	-1617.83	22.93	86.27	8.57	-20.43	-15.38	3.52	-11.00
		1078	8500.07	9.28	-1633.63	-1627.51	3.16	100.10	11.08	-20.42	-16.27	6.93	-10.66
		987	8599.41	9.41	-1600.06	-1593.81	3.16	100.10	16.80	-17.44	-14.76	14.12	-9.20
		986	8343.39	27.54	-1588.75	-1584.13	22.93	86.27	13.98	-17.14	-13.87	10.71	-9.54
865	2	1079	8314.65	27.36	-1634.22	-1629.71	22.85	86.48	8.56	-20.47	-15.43	3.52	-10.99
		1078	8551.95	9.45	-1645.33	-1639.25	3.37	100.11	11.09	-20.46	-16.31	6.95	-10.66
		987	8644.88	9.58	-1610.07	-1603.86	3.37	100.11	16.81	-17.48	-14.81	14.13	-9.19
		986	8388.64	27.46	-1598.93	-1594.32	22.85	86.48	13.96	-17.18	-13.93	10.71	-9.53
865	3	1079	8500.52	27.76	-1674.58	-1669.99	23.18	88.24	8.55	-20.71	-15.70	3.55	-11.02
		1078	8741.24	9.60	-1685.83	-1679.66	3.43	102.06	11.17	-20.73	-16.58	7.02	-10.73
		987	8806.88	9.76	-1643.63	-1637.31	3.43	102.06	16.85	-17.77	-15.10	14.18	-9.23
		986	8547.52	27.88	-1632.35	-1627.64	23.18	88.24	13.92	-17.44	-14.23	10.71	-9.52
865	4	1079	8517.49	28.05	-1678.83	-1674.21	23.44	88.65	8.58	-20.74	-15.70	3.54	-11.06
		1078	8758.37	9.18	-1690.53	-1684.26	2.91	103.01	11.17	-20.76	-16.59	7.00	-10.76
		987	8812.86	9.35	-1645.73	-1639.29	2.91	103.01	16.86	-17.79	-15.10	14.17	-9.26
		986	8553.47	28.18	-1633.99	-1629.24	23.44	88.65	13.96	-17.46	-14.21	10.71	-9.56
865	5	1079	9577.63	29.89	-1907.91	-1902.90	24.88	98.41	8.40	-22.01	-17.31	3.70	-11.00
		1078	9838.21	10.55	-1919.82	-1913.17	3.90	113.09	11.59	-22.20	-18.13	7.52	-11.00
		987	9891.27	10.71	-1873.53	-1866.72	3.90	113.09	17.01	-19.37	-16.84	14.49	-9.24
		986	9613.59	30.01	-1861.58	-1856.45	24.88	98.41	13.56	-18.91	-16.02	10.67	-9.24
865	6	1079	8300.68	27.47	-1631.33	-1626.78	22.93	86.69	8.59	-20.48	-15.40	3.51	-11.04
		1078	8537.87	8.96	-1642.82	-1636.65	2.79	100.78	11.08	-20.47	-16.31	6.91	-10.69
		987	8627.39	9.10	-1606.94	-1600.63	2.79	100.78	16.82	-17.48	-14.78	14.12	-9.24
		986	8371.36	27.57	-1595.41	-1590.77	22.93	86.69	14.01	-17.17	-13.88	10.71	-9.59
865	7	1079	8277.58	27.40	-1626.44	-1621.93	22.89	86.26	8.58	-20.44	-15.36	3.51	-11.02
		1078	8514.87	9.34	-1637.65	-1631.55	3.24	100.01	11.07	-20.43	-16.27	6.90	-10.67
		987	8594.05	9.48	-1599.14	-1592.90	3.24	100.01	16.80	-17.44	-14.74	14.11	-9.22
		986	8337.86	27.51	-1587.90	-1583.28	22.89	86.26	14.01	-17.13	-13.84	10.71	-9.58
865	8	1079	6551.84	21.40	-1289.43	-1285.89	17.86	67.99	6.68	-15.97	-12.10	2.82	-8.52
		1078	6736.49	7.39	-1298.11	-1293.35	2.63	78.65	8.77	-15.91	-12.73	5.59	-8.27
		987	6796.47	7.51	-1265.71	-1260.83	2.63	78.65	13.30	-13.58	-11.57	11.28	-7.08
		986	6596.41	21.49	-1257.00	-1253.37	17.86	67.99	10.96	-13.40	-10.95	8.51	-7.33
865	9	1079	5877.93	19.48	-1155.99	-1152.78	16.27	61.34	5.98	-14.50	-10.93	2.41	-7.77
		1078	6047.27	6.62	-1163.96	-1159.63	2.28	71.13	7.69	-14.58	-11.62	4.73	-7.56
		987	6103.49	6.72	-1138.97	-1134.53	2.28	71.13	11.58	-12.51	-10.57	9.64	-6.56
		986	5921.83	19.55	-1130.96	-1127.68	16.27	61.34	9.66	-12.22	-9.88	7.31	-6.77
865	10	1079	6009.91	19.66	-1185.00	-1181.76	16.41	62.43	5.97	-14.65	-11.10	2.42	-7.78

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		1078	6181.27	6.80	-1192.97	-1188.60	2.43	72.21	7.74	-14.75	-11.79	4.78	-7.60
		987	6218.79	6.91	-1163.17	-1158.70	2.43	72.21	11.60	-12.69	-10.76	9.67	-6.57
		986	6035.29	19.74	-1155.18	-1151.86	16.41	62.43	9.63	-12.39	-10.08	7.31	-6.75
865	11	1079	5898.86	19.49	-1160.97	-1157.75	16.27	61.57	5.99	-14.53	-10.94	2.40	-7.79
		1078	6068.28	6.44	-1169.07	-1164.70	2.08	71.50	7.70	-14.61	-11.63	4.72	-7.58
		987	6119.05	6.54	-1142.79	-1138.32	2.08	71.50	11.59	-12.53	-10.58	9.64	-6.58
		986	5937.38	19.57	-1134.67	-1131.37	16.27	61.57	9.67	-12.24	-9.88	7.32	-6.79
866	1	1081	5955.37	73.08	-1165.99	-1153.04	60.14	125.98	8.83	-16.08	-10.34	3.09	-10.49
		1079	6303.34	19.37	-1209.44	-1184.98	-5.09	171.63	11.97	-17.30	-12.30	6.97	-11.01
		986	6442.52	20.07	-1175.55	-1150.39	-5.09	171.63	17.31	-13.71	-10.84	14.44	-8.98
		985	6074.92	73.46	-1131.77	-1118.45	60.14	125.98	13.73	-12.05	-8.88	10.56	-8.46
866	2	1081	6002.55	73.56	-1176.72	-1163.81	60.65	126.40	8.81	-16.10	-10.38	3.09	-10.47
		1079	6350.97	19.51	-1220.32	-1195.90	-4.91	172.28	11.96	-17.32	-12.34	6.99	-11.00
		986	6481.80	20.26	-1184.30	-1159.13	-4.91	172.28	17.30	-13.74	-10.89	14.45	-8.96
		985	6113.89	73.95	-1140.34	-1127.03	60.65	126.40	13.70	-12.07	-8.93	10.56	-8.44
866	3	1081	6144.04	75.39	-1207.64	-1194.60	62.35	128.68	8.76	-16.20	-10.56	3.13	-10.43
		1079	6498.52	19.78	-1252.35	-1227.57	-5.00	175.81	11.98	-17.49	-12.56	7.05	-10.99
		986	6601.40	20.66	-1209.54	-1183.88	-5.00	175.81	17.29	-13.93	-11.12	14.49	-8.93
		985	6228.06	75.84	-1164.40	-1150.90	62.35	128.68	13.64	-12.20	-9.12	10.56	-8.37
866	4	1081	6151.89	75.50	-1209.71	-1196.67	62.46	128.76	8.79	-16.23	-10.55	3.11	-10.48
		1079	6505.93	19.48	-1254.75	-1229.89	-5.38	176.23	12.00	-17.52	-12.56	7.04	-11.04
		986	6599.96	20.41	-1209.79	-1184.00	-5.38	176.23	17.32	-13.94	-11.11	14.49	-8.98
		985	6227.11	75.98	-1164.30	-1150.78	62.46	128.76	13.67	-12.22	-9.11	10.56	-8.42
866	5	1081	6988.60	85.96	-1390.24	-1376.90	72.62	139.69	8.30	-16.74	-11.71	3.26	-10.03
		1079	7372.10	19.66	-1442.43	-1415.85	-6.93	195.35	11.95	-18.38	-13.85	7.42	-10.81
		986	7425.25	20.72	-1386.98	-1359.33	-6.93	195.35	17.17	-14.96	-12.48	14.70	-8.56
		985	7025.42	86.49	-1334.25	-1320.38	72.62	139.69	13.13	-12.93	-10.35	10.55	-7.79
866	6	1081	5984.64	74.05	-1172.21	-1159.31	61.15	126.16	8.86	-16.13	-10.35	3.08	-10.54
		1079	6331.75	19.50	-1216.29	-1191.72	-5.06	172.49	11.99	-17.35	-12.32	6.96	-11.05
		986	6464.44	20.24	-1180.89	-1155.59	-5.06	172.49	17.33	-13.75	-10.86	14.44	-9.03
		985	6097.92	74.44	-1136.47	-1123.18	61.15	126.16	13.76	-12.09	-8.89	10.56	-8.51
866	7	1081	5970.42	73.13	-1169.97	-1157.03	60.20	126.13	8.87	-16.10	-10.32	3.08	-10.53
		1079	6318.07	19.45	-1213.34	-1188.93	-4.95	171.72	11.98	-17.32	-12.29	6.95	-11.04
		986	6437.97	20.25	-1174.83	-1149.63	-4.95	171.72	17.33	-13.72	-10.83	14.43	-9.02
		985	6070.86	73.55	-1131.08	-1117.73	60.20	126.13	13.77	-12.06	-8.85	10.56	-8.51
866	8	1081	4736.18	58.08	-929.65	-919.60	48.03	99.12	6.83	-12.50	-8.15	2.48	-8.07
		1079	5008.70	15.23	-964.11	-945.01	-3.88	135.44	9.38	-13.41	-9.63	5.61	-8.48
		986	5098.87	15.90	-931.28	-911.50	-3.88	135.44	13.64	-10.62	-8.50	11.52	-6.85
		985	4810.55	58.43	-896.49	-886.09	48.03	99.12	10.74	-9.36	-7.01	8.39	-6.45
866	9	1081	4237.50	52.03	-831.49	-822.31	42.85	89.60	6.17	-11.39	-7.34	2.11	-7.40
		1079	4485.47	13.78	-862.39	-845.03	-3.57	122.08	8.32	-12.35	-8.79	4.77	-7.80
		986	4568.18	14.31	-837.11	-819.23	-3.57	122.08	11.94	-9.86	-7.78	9.87	-6.39
		985	4307.72	52.30	-805.97	-796.51	42.85	89.60	9.49	-8.60	-6.33	7.21	-5.99
866	10	1081	4342.37	53.31	-854.63	-845.39	44.07	91.10	6.13	-11.46	-7.47	2.13	-7.37
		1079	4593.93	14.01	-886.23	-868.69	-3.52	124.40	8.33	-12.46	-8.94	4.81	-7.79
		986	4656.51	14.63	-855.99	-837.84	-3.52	124.40	11.93	-9.98	-7.94	9.89	-6.37
		985	4392.85	53.63	-824.10	-814.54	44.07	91.10	9.43	-8.68	-6.46	7.21	-5.94
866	11	1081	4253.75	52.56	-834.95	-825.79	43.40	89.70	6.19	-11.42	-7.35	2.11	-7.43
		1079	4501.26	13.86	-866.19	-848.78	-3.55	122.56	8.33	-12.38	-8.81	4.76	-7.83
		986	4580.37	14.40	-840.08	-822.12	-3.55	122.56	11.95	-9.88	-7.79	9.87	-6.42
		985	4320.49	52.85	-808.58	-799.13	43.40	89.70	9.51	-8.62	-6.33	7.22	-6.02
867	1	1072	2990.28	26.67	-611.88	-572.74	-12.47	153.18	12.90	-5.62	-1.54	8.81	-7.68
		1081	3394.05	-6.53	-663.07	-600.47	-69.13	192.82	13.70	-11.09	-6.02	8.64	-10.00
		985	3200.28	12.08	-526.97	-445.76	-69.13	192.82	17.58	-8.70	-5.12	14.00	-9.02
		179	2654.44	38.88	-469.38	-418.02	-12.47	153.18	16.76	-3.21	-0.63	14.18	-6.70
867	2	1072	3014.86	26.54	-619.77	-579.77	-13.46	155.73	12.86	-5.63	-1.57	8.81	-7.65
		1081	3407.13	-5.67	-669.42	-606.68	-68.42	194.19	13.69	-11.10	-6.06	8.65	-9.97
		985	3206.28	12.74	-533.08	-451.93	-68.42	194.19	17.55	-8.71	-5.16	13.99	-8.99
		179	2673.16	38.83	-477.31	-425.02	-13.46	155.73	16.71	-3.22	-0.66	14.15	-6.67
867	3	1072	3072.32	26.37	-638.80	-596.96	-15.48	161.49	12.71	-5.68	-1.67	8.70	-7.59
		1081	3447.75	-4.65	-686.62	-622.87	-68.40	198.52	13.64	-11.17	-6.20	8.67	-9.93
		985	3225.74	13.99	-546.79	-464.41	-68.40	198.52	17.52	-8.74	-5.28	14.05	-8.89
		179	2713.15	39.13	-493.10	-438.50	-15.48	161.49	16.56	-3.23	-0.76	14.09	-6.55
867	4	1072	3080.51	26.41	-639.56	-597.67	-15.48	161.68	12.81	-5.67	-1.65	8.78	-7.63
		1081	3456.71	-4.55	-687.29	-623.54	-68.30	198.65	13.69	-11.20	-6.19	8.68	-9.98
		985	3236.68	14.04	-547.54	-465.20	-68.30	198.65	17.54	-8.80	-5.28	14.02	-8.96
		179	2717.87	39.16	-493.97	-439.33	-15.48	161.68	16.64	-3.25	-0.74	14.12	-6.61
867	5	1072	3463.45	26.42	-761.63	-707.34	-27.88	199.60	12.03	-5.77	-2.28	8.54	-7.07
		1081	3918.81	5.78	-793.39	-724.56	-63.06	224.21	13.29	-11.63	-7.17	8.83	-9.55
		985	3529.45	22.54	-650.40	-564.81	-63.06	224.21	16.87	-9.20	-6.23	13.90	-8.28
		179	3122.32	39.93	-615.39	-547.58	-27.88	199.60	15.59	-3.32	-1.34	13.61	-5.80
867	6	1072	3019.31	25.27	-616.86	-576.16	-15.44	156.46	12.94	-5.66	-1.55	8.83	-7.71

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		1081	3406.74	-5.63	-664.90	-602.10	-68.42	193.54	13.74	-11.12	-6.02	8.65	-10.04
		985	3212.55	12.70	-530.16	-449.04	-68.42	193.54	17.63	-8.73	-5.12	14.02	-9.06
		179	2688.06	37.69	-476.23	-423.10	-15.44	156.46	16.80	-3.25	-0.64	14.20	-6.74
867	7	1072	3005.02	26.63	-614.57	-575.32	-12.63	153.71	12.93	-5.66	-1.53	8.80	-7.72
		1081	3406.39	-6.45	-665.47	-602.92	-69.00	193.16	13.74	-11.10	-6.00	8.63	-10.03
		985	3209.27	12.50	-526.81	-445.31	-69.00	193.16	17.65	-8.70	-5.09	14.04	-9.06
		179	2664.20	39.10	-469.43	-417.70	-12.63	153.71	16.82	-3.23	-0.63	14.21	-6.75
867	8	1072	2368.84	20.27	-491.54	-459.33	-11.94	124.30	9.89	-4.38	-1.29	6.79	-5.88
		1081	2660.87	-3.64	-528.43	-479.31	-52.75	152.85	10.68	-8.56	-4.73	6.85	-7.68
		985	2492.74	10.72	-420.85	-357.37	-52.75	152.85	13.76	-6.65	-4.02	11.13	-6.84
		179	2104.36	30.10	-379.43	-337.39	-11.94	124.30	12.95	-2.45	-0.57	11.07	-5.04
867	9	1072	2126.43	18.93	-437.05	-409.03	-9.09	109.50	9.03	-3.99	-1.11	6.15	-5.41
		1081	2407.22	-4.40	-473.00	-428.52	-48.88	137.35	9.54	-7.92	-4.33	5.94	-7.06
		985	2264.17	8.82	-375.83	-318.13	-48.88	137.35	12.19	-6.27	-3.70	9.61	-6.39
		179	1883.39	27.66	-335.39	-298.64	-9.09	109.50	11.67	-2.32	-0.47	9.81	-4.74
867	10	1072	2172.15	18.76	-452.01	-422.49	-10.76	114.12	8.93	-4.02	-1.18	6.08	-5.36
		1081	2437.22	-3.36	-486.08	-440.96	-48.48	140.52	9.50	-7.97	-4.43	5.96	-7.02
		985	2278.54	9.87	-386.84	-328.49	-48.48	140.52	12.15	-6.29	-3.79	9.64	-6.32
		179	1912.25	27.80	-348.57	-310.02	-10.76	114.12	11.56	-2.34	-0.54	9.77	-4.66
867	11	1072	2142.51	18.15	-439.82	-410.93	-10.74	111.33	9.05	-4.01	-1.11	6.15	-5.43
		1081	2414.29	-3.90	-474.01	-429.42	-48.49	137.75	9.56	-7.94	-4.33	5.95	-7.08
		985	2271.08	9.16	-377.61	-319.95	-48.49	137.75	12.21	-6.29	-3.70	9.62	-6.42
		179	1902.08	27.00	-339.20	-301.47	-10.74	111.33	11.69	-2.34	-0.48	9.83	-4.76
868	1	1118	2205.95	-12.33	-190.16	-135.88	-66.61	81.89	14.66	-4.15	0.84	9.67	-8.30
		1072	2486.29	-23.48	-324.51	-183.70	-164.29	150.20	15.71	4.94	1.19	13.45	-4.38
		179	2913.52	47.32	-270.84	-59.33	-164.19	150.19	22.16	7.27	8.80	20.63	-4.53
		1141	2643.86	47.30	-125.55	-11.54	-66.71	81.91	20.75	-1.45	2.45	16.85	-8.45
868	2	1118	2203.46	-12.10	-190.48	-136.14	-66.43	82.10	14.63	-4.15	0.81	9.67	-8.28
		1072	2502.82	-23.51	-329.37	-185.53	-167.34	152.66	15.69	4.98	7.21	13.46	-4.35
		179	2924.59	46.96	-276.02	-61.83	-167.23	152.65	22.09	7.24	8.75	20.58	-4.48
		1141	2637.75	46.95	-125.95	-12.46	-66.54	82.11	20.65	-1.52	2.34	16.79	-8.41
868	3	1118	2163.82	-11.04	-187.06	-133.98	-64.12	80.78	14.43	-4.07	0.69	9.67	-8.09
		1072	2519.28	-23.14	-339.21	-187.95	-174.40	157.89	15.37	4.63	6.78	13.23	-4.29
		179	2976.69	44.86	-288.02	-68.89	-174.28	157.88	22.04	6.85	8.46	20.43	-4.68
		1141	2634.75	44.88	-124.06	-14.94	-64.25	80.79	20.77	-1.53	2.37	16.87	-8.48
868	4	1118	2185.05	-10.98	-187.89	-134.12	-64.75	81.37	14.56	-4.12	0.74	9.70	-8.20
		1072	2536.21	-22.91	-339.39	-187.83	-174.47	158.10	15.61	4.98	7.16	13.43	-4.29
		179	2969.41	44.26	-288.67	-70.06	-174.35	158.09	22.04	7.00	8.55	20.49	-4.56
		1141	2636.28	44.29	-125.54	-16.38	-64.87	81.38	20.64	-1.74	2.13	16.77	-8.47
868	5	1118	2124.40	-9.28	-201.84	-145.34	-65.78	87.68	13.77	-4.09	0.02	9.66	-7.52
		1072	2744.67	-24.86	-414.77	-220.43	-219.20	194.95	15.03	5.65	7.29	13.40	-3.56
		179	3138.30	44.47	-363.25	-99.75	-219.03	194.94	20.59	5.76	7.03	19.32	-4.16
		1141	2607.58	44.76	-135.41	-24.70	-65.95	87.69	19.01	-3.66	-0.24	15.58	-8.12
868	6	1118	2124.13	-8.48	-164.62	-118.78	-54.32	71.11	14.70	-4.15	0.85	9.70	-8.32
		1072	2505.44	-20.69	-324.97	-175.49	-170.17	152.12	15.74	4.90	7.17	13.47	-4.41
		179	2941.60	38.29	-281.10	-72.77	-170.04	152.11	22.24	7.28	8.83	20.69	-4.56
		1141	2557.58	38.39	-108.93	-16.10	-54.45	71.12	20.84	-1.41	2.51	16.92	-8.47
868	7	1118	2209.96	-12.32	-190.91	-136.25	-66.98	82.30	14.68	-4.13	0.85	9.69	-8.30
		1072	2489.50	-23.45	-325.43	-184.12	-164.77	150.68	15.65	4.72	6.99	13.38	-4.44
		179	2933.05	47.20	-271.81	-59.95	-164.66	150.67	22.31	7.25	8.85	20.71	-4.64
		1141	2657.89	47.18	-126.38	-12.11	-67.09	82.31	20.98	-1.25	2.71	17.02	-8.50
868	8	1118	1675.46	-8.36	-143.00	-102.45	-48.91	61.76	11.24	-3.19	0.48	7.56	-6.29
		1072	1949.06	-17.70	-260.85	-144.25	-134.30	121.47	11.97	3.56	5.20	10.33	-3.33
		179	2308.16	34.18	-221.82	-53.44	-134.20	121.46	17.18	5.31	6.54	15.95	-3.62
		1141	2042.90	34.20	-94.87	-11.66	-49.00	61.77	16.19	-1.18	1.83	13.18	-6.57
868	9	1118	1552.38	-8.79	-135.89	-97.08	-47.60	58.53	10.26	-2.88	0.64	6.74	-5.81
		1072	1757.68	-16.76	-231.98	-131.28	-117.47	107.39	10.97	3.47	5.08	9.37	-3.08
		179	2056.82	33.76	-193.68	-42.52	-117.39	107.38	15.50	5.08	6.19	14.39	-3.21
		1141	1861.32	33.75	-89.77	-8.34	-47.68	58.54	14.54	-1.02	1.75	11.77	-5.95
868	10	1118	1528.88	-8.08	-134.16	-96.02	-46.22	57.91	10.13	-2.83	0.55	6.74	-5.70
		1072	1775.89	-16.58	-240.15	-133.64	-123.08	111.66	10.78	3.30	4.85	9.24	-3.03
		179	2092.06	32.39	-203.22	-47.83	-123.00	111.65	15.43	4.85	6.00	14.28	-3.30
		1141	1856.28	32.40	-88.94	-10.23	-46.31	57.92	14.55	-1.06	1.71	11.78	-5.97
868	11	1118	1506.69	-6.66	-121.69	-87.58	-40.77	52.54	10.28	-2.88	0.64	6.76	-5.83
		1072	1768.09	-15.23	-232.22	-126.72	-120.74	108.45	10.99	3.45	5.06	9.37	-3.09
		179	2072.44	28.74	-199.37	-49.99	-120.65	108.45	15.54	5.09	6.21	14.43	-3.23
		1141	1813.37	28.78	-80.52	-10.87	-40.86	52.55	14.59	-1.00	1.79	11.81	-5.97
869	1	962	1.136e+04	28.63	-2148.24	-2148.19	28.59	-10.11	16.14	-21.97	-19.43	13.60	-9.51
		963	1.131e+04	-3.51	-2164.01	-2163.94	-3.58	12.40	14.25	-24.03	-20.58	10.80	-10.96
		1094	1.103e+04	-3.51	-2153.41	-2153.34	-3.58	12.40	7.80	-26.52	-21.99	3.27	-11.61
		1095	1.106e+04	28.63	-2137.63	-2137.59	28.59	-10.11	9.47	-24.24	-20.83	6.07	-10.16
869	2	962	1.304e+04	41.49	-2487.45	-2487.32	41.36	-18.40	17.06	-25.08	-22.08	14.06	-10.84

		963	1.299e+04	-6.50	-2510.89	-2510.80	-6.60	15.15	14.34	-27.48	-23.77	10.64	-11.88
		1094	1.263e+04	-6.50	-2482.83	-2482.74	-6.60	15.15	8.52	-29.76	-24.76	3.51	-12.91
		1095	1.266e+04	41.49	-2459.39	-2459.26	41.36	-18.40	11.06	-27.18	-23.06	6.93	-11.86
869	3	962	1.157e+04	29.21	-2191.64	-2191.60	29.16	-10.13	16.24	-22.40	-19.79	13.63	-9.70
		963	1.153e+04	-3.52	-2207.71	-2207.63	-3.59	12.79	14.31	-22.49	-20.98	10.80	-11.13
		1094	1.128e+04	-3.52	-2205.26	-2205.18	-3.59	12.79	7.89	-26.96	-22.36	3.29	-11.80
		1095	1.130e+04	29.21	-2189.19	-2189.15	29.16	-10.13	9.61	-24.66	-21.17	6.12	-10.36
869	4	962	1.156e+04	30.06	-2187.58	-2187.51	29.99	-12.03	16.25	-22.39	-19.78	13.64	-9.70
		963	1.151e+04	-4.06	-2204.28	-2204.22	-4.12	11.84	14.29	-24.50	-21.00	10.79	-11.11
		1094	1.125e+04	-4.06	-2197.63	-2197.57	-4.12	11.84	7.89	-26.96	-22.36	3.29	-11.79
		1095	1.127e+04	30.06	-2180.93	-2180.86	29.99	-12.03	9.65	-24.64	-21.14	6.15	-10.38
869	5	962	1.142e+04	29.63	-2161.36	-2161.29	29.56	-11.93	16.20	-22.09	-19.52	13.63	-9.58
		963	1.138e+04	-4.02	-2177.83	-2177.77	-4.08	11.62	14.26	-22.20	-20.73	10.79	-11.01
		1094	1.110e+04	-4.02	-2167.09	-2167.03	-4.08	11.62	7.84	-26.66	-22.10	3.29	-11.68
		1095	1.112e+04	29.63	-2150.62	-2150.55	29.56	-11.93	9.58	-24.35	-20.89	6.13	-10.26
869	6	962	1.134e+04	29.09	-2143.26	-2143.20	29.03	-11.12	16.16	-21.96	-19.41	13.61	-9.52
		963	1.129e+04	-3.79	-2159.37	-2159.30	-3.86	11.90	14.25	-24.04	-20.59	10.80	-10.96
		1094	1.101e+04	-3.79	-2146.81	-2146.75	-3.86	11.90	7.81	-26.51	-21.98	3.27	-11.62
		1095	1.103e+04	29.09	-2130.70	-2130.64	29.03	-11.12	9.50	-24.22	-20.80	6.08	-10.17
869	7	962	1.128e+04	28.95	-2132.23	-2132.17	28.90	-10.92	16.10	-21.86	-19.33	13.58	-9.46
		963	1.124e+04	-3.73	-2148.25	-2148.18	-3.79	11.95	14.24	-23.91	-20.47	10.81	-10.92
		1094	1.097e+04	-3.73	-2141.14	-2141.07	-3.79	11.95	7.76	-26.40	-21.89	3.26	-11.56
		1095	1.100e+04	28.95	-2125.12	-2125.07	28.90	-10.92	9.41	-24.13	-20.75	6.03	-10.09
869	8	962	8924.32	22.43	-1688.32	-1688.29	22.39	-7.62	12.83	-17.16	-15.18	10.85	-7.44
		963	8891.50	-2.66	-1700.64	-1700.58	-2.72	9.95	11.26	-18.83	-16.15	8.58	-8.57
		1094	8693.78	-2.66	-1698.86	-1698.80	-2.72	9.95	6.17	-20.79	-17.24	2.62	-9.12
		1095	8710.60	22.43	-1686.53	-1686.50	22.39	-7.62	7.56	-18.94	-16.26	4.89	-7.99
869	9	962	8053.48	20.45	-1526.19	-1526.15	20.42	-7.42	11.11	-15.72	-13.87	9.27	-6.78
		963	8022.73	-2.56	-1537.48	-1537.43	-2.61	8.69	9.85	-17.11	-14.64	7.38	-7.78
		1094	7835.03	-2.56	-1530.77	-1530.72	-2.61	8.69	5.44	-18.82	-15.61	2.23	-8.22
		1095	7852.71	20.45	-1519.49	-1519.45	20.42	-7.42	6.55	-17.28	-14.85	4.12	-7.22
869	10	962	8171.57	20.77	-1550.30	-1550.27	20.74	-7.43	11.16	-15.95	-14.07	9.28	-6.89
		963	8141.13	-2.56	-1561.75	-1561.70	-2.61	8.91	9.88	-17.37	-14.86	7.38	-7.88
		1094	7971.19	-2.56	-1559.58	-1559.53	-2.61	8.91	5.49	-19.07	-15.82	2.24	-8.32
		1095	7988.67	20.77	-1548.13	-1548.09	20.74	-7.43	6.63	-17.52	-15.03	4.14	-7.33
869	11	962	8043.18	20.71	-1523.42	-1523.38	20.67	-7.98	11.12	-15.71	-13.86	9.27	-6.79
		963	8012.43	-2.72	-1534.90	-1534.85	-2.76	8.41	9.85	-17.11	-14.64	7.38	-7.78
		1094	7820.29	-2.72	-1527.11	-1527.06	-2.76	8.41	5.44	-18.82	-15.61	2.23	-8.22
		1095	7837.88	20.71	-1515.63	-1515.59	20.67	-7.98	6.57	-17.27	-14.83	4.13	-7.23
870	1	961	1.091e+04	41.21	-2057.73	-2056.07	39.54	-59.03	15.44	-20.20	-18.13	13.37	-8.33
		962	1.097e+04	-16.81	-2083.94	-2083.75	-16.99	-19.47	13.92	-23.50	-20.37	10.79	-10.36
		1095	1.057e+04	-16.80	-2049.51	-2049.32	-16.99	-19.47	6.98	-25.71	-21.74	3.02	-10.67
		1096	1.049e+04	41.23	-2023.33	-2021.64	39.54	-59.03	8.29	-22.19	-19.50	5.61	-8.64
870	2	961	1.239e+04	51.19	-2353.89	-2351.27	48.58	-79.22	16.54	-23.24	-20.34	13.64	-10.34
		962	1.248e+04	-22.00	-2386.39	-2386.02	-22.37	-29.57	14.68	-27.22	-23.32	10.78	-12.18
		1095	1.199e+04	-21.99	-2331.16	-2330.78	-22.37	-29.57	8.15	-29.24	-24.32	3.23	-12.63
		1096	1.188e+04	51.25	-2298.71	-2296.04	48.58	-79.22	9.83	-25.08	-21.34	6.09	-10.79
870	3	961	1.112e+04	42.34	-2100.20	-2098.49	40.64	-60.42	15.56	-20.62	-18.47	13.40	-8.56
		962	1.118e+04	-17.21	-2127.09	-2126.91	-17.39	-19.81	14.00	-23.98	-20.77	10.78	-10.57
		1095	1.081e+04	-17.20	-2099.05	-2098.86	-17.39	-19.81	7.10	-26.18	-22.11	3.03	-10.90
		1096	1.072e+04	42.37	-2072.17	-2070.44	40.64	-60.42	8.45	-22.61	-19.81	5.65	-8.89
870	4	961	1.109e+04	43.90	-2090.95	-2089.07	42.02	-63.34	15.59	-20.60	-18.43	13.42	-8.59
		962	1.114e+04	-17.98	-2118.77	-2118.56	-18.19	-21.21	14.00	-23.99	-20.76	10.78	-10.59
		1095	1.074e+04	-17.97	-2082.49	-2082.27	-18.19	-21.21	7.13	-26.17	-22.09	3.04	-10.92
		1096	1.066e+04	43.94	-2054.70	-2052.79	42.02	-63.34	8.50	-22.58	-19.76	5.68	-8.93
870	5	961	1.096e+04	43.14	-2065.35	-2063.51	41.30	-62.34	15.52	-20.32	-18.20	13.40	-8.45
		962	1.101e+04	-17.70	-2092.71	-2092.50	-17.91	-20.91	13.96	-23.66	-20.49	10.78	-10.45
		1095	1.060e+04	-17.70	-2053.97	-2053.75	-17.91	-20.91	7.06	-25.86	-21.83	3.04	-10.79
		1096	1.052e+04	43.18	-2026.64	-2024.76	41.30	-62.34	8.42	-22.30	-19.54	5.66	-8.78
870	6	961	1.088e+04	42.38	-2049.67	-2047.90	40.60	-60.90	15.46	-20.18	-18.10	13.39	-8.35
		962	1.094e+04	-17.32	-2076.56	-2076.36	-17.52	-20.23	13.93	-23.49	-20.36	10.79	-10.37
		1095	1.052e+04	-17.32	-2037.86	-2037.66	-17.52	-20.23	7.00	-25.70	-21.72	3.03	-10.69
		1096	1.044e+04	42.41	-2011.01	-2009.20	40.60	-60.90	8.33	-22.17	-19.46	5.63	-8.67
870	7	961	1.083e+04	42.23	-2040.21	-2038.45	40.46	-60.60	15.40	-20.07	-18.03	13.36	-8.25
		962	1.089e+04	-17.22	-2066.99	-2066.79	-17.42	-20.09	13.89	-23.35	-20.25	10.79	-10.29
		1095	1.049e+04	-17.22	-2032.54	-2032.34	-17.42	-20.09	6.94	-25.56	-21.64	3.01	-10.59
		1096	1.041e+04	42.26	-2005.79	-2004.00	40.46	-60.60	8.23	-22.06	-19.42	5.59	-8.55
870	8	961	8578.58	32.50	-1618.31	-1617.02	31.20	-46.30	12.31	-15.79	-14.16	10.68	-6.57
		962	8625.24	-13.19	-1638.96	-1638.82	-13.33	-15.13	11.03	-18.44	-15.99	8.57	-8.15
		1095	8335.38	-13.19	-1617.86	-1617.71	-13.33	-15.13	5.56	-20.19	-17.05	2.42	-8.43
		1096	8268.88	32.52	-1597.22	-1595.91	31.20	-46.30	6.67	-17.36	-15.22	4.53	-6.85
870	9	961	7732.89	29.52	-1461.34	-1460.14	28.31	-42.36	10.61	-14.45	-12.95	9.11	-5.95

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		962	7774.21	-12.05	-1480.10	-1479.97	-12.19	-14.02	9.62	-16.73	-14.49	7.37	-7.36
		1095	7502.08	-12.05	-1455.69	-1455.55	-12.19	-14.02	4.86	-18.24	-15.43	2.05	-7.55
		1096	7444.39	29.54	-1436.95	-1435.72	28.31	-42.36	5.72	-15.82	-13.90	3.79	-6.14
870	10	961	7849.61	30.15	-1484.94	-1483.71	28.92	-43.13	10.68	-14.69	-13.14	9.12	-6.08
		962	7892.18	-12.27	-1504.08	-1503.94	-12.41	-14.21	9.66	-17.00	-14.71	7.37	-7.48
		1095	7633.68	-12.27	-1483.21	-1483.07	-12.41	-14.21	4.93	-18.51	-15.64	2.06	-7.68
		1096	7574.80	30.17	-1464.08	-1462.84	28.92	-43.13	5.80	-16.05	-14.07	3.82	-6.28
870	11	961	7716.76	30.17	-1456.87	-1455.60	28.90	-43.39	10.63	-14.44	-12.93	9.12	-5.96
		962	7757.32	-12.34	-1476.00	-1475.86	-12.48	-14.44	9.62	-16.73	-14.48	7.37	-7.37
		1095	7475.71	-12.33	-1449.22	-1449.07	-12.48	-14.44	4.87	-18.24	-15.42	2.06	-7.56
		1096	7418.61	30.19	-1430.10	-1428.81	28.90	-43.39	5.74	-15.81	-13.87	3.80	-6.16
871	1	960	9669.56	61.64	-1805.20	-1798.87	55.32	-108.50	14.73	-16.70	-15.19	13.22	-6.71
		961	9806.76	-29.88	-1842.48	-1841.21	-31.15	-47.99	13.43	-21.17	-18.50	10.76	-9.24
		1096	9296.77	-29.84	-1784.18	-1782.86	-31.15	-47.99	6.13	-23.11	-19.80	2.82	-9.27
		1097	9125.98	61.85	-1747.05	-1740.52	55.32	-108.50	7.19	-18.41	-16.50	5.28	-6.74
871	2	960	1.082e+04	71.23	-2027.64	-2019.26	62.85	-132.35	15.81	-19.37	-16.87	13.31	-9.03
		961	1.099e+04	-36.01	-2070.48	-2068.59	-37.89	-61.85	14.50	-24.54	-20.77	10.73	-11.53
		1096	1.040e+04	-35.94	-1993.01	-1991.05	-37.89	-61.85	7.46	-26.45	-21.86	2.87	-11.60
		1097	1.019e+04	71.55	-1950.42	-1941.72	62.85	-132.35	8.57	-21.07	-17.96	5.45	-9.09
871	3	960	9858.67	63.68	-1842.55	-1835.99	57.12	-111.65	14.85	-17.08	-15.47	13.25	-6.98
		961	9998.69	-30.73	-1880.96	-1879.65	-32.04	-49.26	13.54	-21.64	-18.86	10.75	-9.50
		1096	9500.74	-30.69	-1825.91	-1824.56	-32.04	-49.26	6.28	-23.58	-20.13	2.83	-9.55
		1097	9327.21	63.88	-1787.66	-1780.90	57.12	-111.65	7.37	-18.79	-16.74	5.32	-7.02
871	4	960	9804.27	64.24	-1828.76	-1821.82	57.30	-114.39	14.84	-17.07	-15.44	13.22	-7.02
		961	9944.01	-31.20	-1867.31	-1865.87	-32.65	-51.45	13.59	-21.62	-18.81	10.77	-9.55
		1096	9383.68	-31.15	-1796.35	-1794.85	-32.65	-51.45	6.30	-23.56	-20.09	2.83	-9.57
		1097	9210.50	64.51	-1758.01	-1750.80	57.30	-114.39	7.34	-18.78	-16.72	5.28	-7.04
871	5	960	9688.88	63.08	-1806.37	-1799.58	56.29	-112.42	14.77	-16.81	-15.25	13.20	-6.86
		961	9826.15	-30.70	-1844.28	-1842.87	-32.11	-50.57	13.52	-21.31	-18.56	10.77	-9.39
		1096	9265.79	-30.64	-1773.18	-1771.71	-32.11	-50.57	6.22	-23.26	-19.86	2.83	-9.41
		1097	9095.00	63.35	-1735.48	-1728.43	56.29	-112.42	7.25	-18.53	-16.54	5.26	-6.88
871	6	960	9628.36	62.48	-1794.51	-1787.88	55.85	-110.75	14.72	-16.69	-15.17	13.20	-6.74
		961	9764.49	-30.31	-1832.10	-1830.74	-31.67	-49.51	13.47	-21.15	-18.45	10.78	-9.28
		1096	9212.75	-30.26	-1763.12	-1761.70	-31.67	-49.51	6.15	-23.10	-19.77	2.82	-9.29
		1097	9042.99	62.73	-1725.73	-1718.85	55.85	-110.75	7.17	-18.41	-16.48	5.24	-6.75
871	7	960	9589.03	62.34	-1787.14	-1780.52	55.73	-110.42	14.65	-16.58	-15.12	13.18	-6.60
		961	9723.61	-30.20	-1824.62	-1823.26	-31.56	-49.34	13.42	-21.00	-18.37	10.78	-9.15
		1096	9182.56	-30.15	-1758.27	-1756.86	-31.56	-49.34	6.07	-22.95	-19.70	2.81	-9.16
		1097	9014.23	62.59	-1720.98	-1714.12	55.73	-110.42	7.07	-18.31	-16.45	5.21	-6.61
871	8	960	7611.20	49.03	-1420.19	-1415.16	44.00	-85.80	11.77	-13.07	-11.86	10.56	-5.35
		961	7718.59	-23.64	-1449.77	-1448.77	-24.64	-37.77	10.67	-16.64	-14.52	8.55	-7.32
		1096	7332.50	-23.61	-1408.53	-1407.50	-24.64	-37.77	4.93	-18.18	-15.52	2.26	-7.38
		1097	7198.03	49.17	-1379.06	-1373.89	44.00	-85.80	5.84	-14.42	-12.85	4.28	-5.41
871	9	960	6850.79	43.97	-1281.38	-1276.83	39.42	-77.58	10.10	-11.96	-10.86	9.00	-4.80
		961	6948.63	-21.33	-1307.94	-1307.02	-22.25	-34.43	9.28	-15.07	-13.15	7.35	-6.57
		1096	6588.46	-21.29	-1265.07	-1264.12	-22.25	-34.43	4.26	-16.40	-14.05	1.91	-6.56
		1097	6468.11	44.13	-1238.63	-1233.93	39.42	-77.58	4.93	-13.14	-11.76	3.55	-4.80
871	10	960	6955.91	45.11	-1302.14	-1297.45	40.42	-79.33	10.17	-12.18	-11.02	9.01	-4.95
		961	7055.30	-21.80	-1329.32	-1328.38	-22.74	-35.13	9.34	-15.34	-13.35	7.35	-6.72
		1096	6701.78	-21.77	-1288.26	-1287.29	-22.74	-35.13	4.34	-16.66	-14.23	1.91	-6.72
		1097	6579.93	45.26	-1261.20	-1256.36	40.42	-79.33	5.02	-13.35	-11.90	3.57	-4.95
871	11	960	6827.91	44.44	-1275.45	-1270.72	39.71	-78.83	10.09	-11.96	-10.85	8.98	-4.82
		961	6925.15	-21.57	-1302.17	-1301.20	-22.54	-35.27	9.30	-15.06	-13.13	7.36	-6.59
		1096	6541.78	-21.53	-1253.38	-1252.37	-22.54	-35.27	4.27	-16.39	-14.03	1.91	-6.57
		1097	6422.01	44.62	-1226.79	-1221.88	39.71	-78.83	4.91	-13.14	-11.75	3.53	-4.80
872	1	959	7692.39	66.67	-1414.24	-1400.23	52.66	-143.34	14.12	-11.66	-10.75	13.21	-4.77
		960	7917.31	-35.37	-1449.87	-1445.48	-39.76	-78.67	12.84	-17.23	-15.11	10.72	-7.69
		1097	7265.19	-35.08	-1361.44	-1356.76	-39.76	-78.67	5.30	-18.93	-16.28	2.65	-7.55
		1098	6995.65	67.56	-1326.40	-1311.50	52.66	-143.34	6.32	-13.10	-11.92	5.14	-4.63
872	2	959	8489.18	75.35	-1558.60	-1541.44	58.19	-166.55	15.11	-13.76	-11.86	13.21	-7.15
		960	8741.36	-40.51	-1598.17	-1592.53	-46.14	-93.54	14.11	-20.01	-16.63	10.74	-10.18
		1097	8013.23	-40.09	-1490.33	-1484.27	-46.14	-93.54	6.70	-21.81	-17.74	2.62	-9.98
		1098	7718.86	76.56	-1451.55	-1433.18	58.19	-166.55	7.46	-15.33	-12.97	5.10	-6.94
872	3	959	7841.86	69.59	-1442.31	-1427.61	54.89	-148.35	14.23	-11.97	-10.95	13.21	-5.07
		960	8068.75	-36.54	-1479.20	-1474.62	-41.12	-81.16	12.98	-17.64	-15.39	10.72	-8.00
		1097	7406.70	-36.23	-1388.30	-1383.41	-41.12	-81.16	5.46	-19.34	-16.54	2.66	-7.86
		1098	7135.40	70.54	-1352.04	-1336.40	54.89	-148.35	6.46	-13.41	-12.10	5.15	-4.93
872	4	959	7744.05	59.69	-1426.28	-1412.66	46.07	-141.60	14.19	-11.92	-10.90	13.17	-5.05
		960	7990.16	-34.12	-1459.01	-1454.26	-38.87	-82.15	13.00	-17.57	-15.30	10.73	-8.02
		1097	7297.86	-33.77	-1360.35	-1355.25	-38.87	-82.15	5.45	-19.29	-16.49	2.64	-7.84
		1098	7009.07	60.66	-1328.24	-1313.65	46.07	-141.60	6.37	-13.38	-12.09	5.08	-4.88
872	5	959	7656.48	58.73	-1409.56	-1396.24	45.41	-139.24	14.13	-11.73	-10.77	13.17	-4.89

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		960	7898.65	-33.62	-1441.84	-1437.21	-38.26	-80.70	12.92	-17.31	-15.11	10.73	-7.84
		1097	7214.84	-33.27	-1345.26	-1340.28	-38.26	-80.70	5.36	-19.03	-16.31	2.64	-7.67
		1098	6929.77	59.67	-1313.58	-1299.31	45.41	-139.24	6.30	-13.18	-11.96	5.08	-4.72
872	6	959	7618.34	58.71	-1402.41	-1389.23	45.54	-138.14	14.08	-11.63	-10.72	13.16	-4.76
		960	7858.46	-33.42	-1434.67	-1430.12	-37.97	-79.70	12.86	-17.17	-15.04	10.73	-7.71
		1097	7183.57	-33.09	-1340.39	-1335.51	-37.97	-79.70	5.28	-18.89	-16.25	2.64	-7.54
		1098	6900.34	59.63	-1308.71	-1294.62	45.54	-138.14	6.23	-13.08	-11.92	5.08	-4.59
872	7	959	7587.61	58.18	-1397.45	-1384.35	45.08	-137.47	14.01	-11.54	-10.68	13.15	-4.60
		960	7827.27	-33.21	-1429.45	-1424.91	-37.75	-79.51	12.79	-17.04	-14.98	10.73	-7.56
		1097	7157.21	-32.88	-1336.43	-1331.56	-37.75	-79.51	5.19	-18.75	-16.20	2.64	-7.39
		1098	6874.43	59.08	-1305.00	-1291.00	45.08	-137.47	6.15	-12.98	-11.89	5.06	-4.43
872	8	959	6061.33	54.38	-1112.02	-1100.61	42.97	-114.81	11.30	-9.14	-8.37	10.54	-3.88
		960	6233.73	-28.33	-1140.77	-1137.25	-31.85	-62.45	10.24	-13.56	-11.84	8.52	-6.16
		1097	5718.78	-28.10	-1071.30	-1067.55	-31.85	-62.45	4.30	-14.92	-12.75	2.13	-6.08
		1098	5510.41	55.11	-1043.05	-1030.91	42.97	-114.81	5.14	-10.28	-9.28	4.15	-3.80
872	9	959	5439.46	46.13	-1003.23	-993.39	36.29	-101.12	9.66	-8.38	-7.70	8.98	-3.43
		960	5602.64	-24.84	-1028.02	-1024.87	-27.99	-56.14	8.85	-12.27	-10.74	7.32	-5.47
		1097	5143.33	-24.62	-964.18	-960.81	-27.99	-56.14	3.67	-13.43	-11.55	1.79	-5.34
		1098	4950.47	46.77	-939.81	-929.34	36.29	-101.12	4.30	-9.36	-8.51	3.45	-3.29
872	10	959	5522.57	47.75	-1018.82	-1008.60	37.53	-103.91	9.72	-8.55	-7.81	8.99	-3.59
		960	5686.83	-25.49	-1044.32	-1041.06	-28.75	-57.53	8.93	-12.50	-10.89	7.32	-5.65
		1097	5221.95	-25.26	-979.10	-975.62	-28.75	-57.53	3.76	-13.66	-11.69	1.79	-5.51
		1098	5028.10	48.42	-954.06	-943.17	37.53	-103.91	4.38	-9.53	-8.61	3.46	-3.46
872	11	959	5398.36	41.71	-996.66	-987.28	32.33	-98.23	9.63	-8.36	-7.68	8.96	-3.42
		960	5569.93	-23.76	-1019.58	-1016.34	-27.00	-56.72	8.86	-12.24	-10.70	7.33	-5.48
		1097	5097.99	-23.52	-952.49	-949.01	-27.00	-56.72	3.66	-13.40	-11.53	1.78	-5.34
		1098	4897.56	42.36	-929.99	-919.96	32.33	-98.23	4.25	-9.35	-8.51	3.42	-3.27
873	1	958	5359.56	167.57	-899.64	-849.88	117.81	-225.01	13.57	-5.27	-4.87	13.16	-2.73
		959	5437.43	-55.30	-950.33	-939.80	-65.82	-96.50	12.16	-11.98	-10.44	10.62	-5.89
		1098	4463.24	-52.86	-784.32	-771.35	-65.82	-96.50	4.54	-13.34	-11.34	2.54	-5.63
		1099	4324.49	176.80	-740.42	-681.43	117.81	-225.01	5.62	-6.31	-5.77	5.08	-2.47
873	2	958	5854.04	175.30	-973.07	-918.50	120.73	-244.31	14.27	-6.73	-5.48	13.01	-4.98
		959	5939.94	-58.41	-1025.14	-1012.44	-71.11	-110.07	13.57	-14.01	-11.20	10.76	-8.35
		1098	4901.87	-55.36	-840.51	-824.77	-71.11	-110.07	5.84	-15.64	-12.18	2.39	-7.89
		1099	4763.30	185.84	-795.94	-730.83	120.73	-244.31	6.25	-8.07	-6.46	4.64	-4.52
873	3	958	5447.96	168.14	-915.68	-864.98	117.44	-228.86	13.62	-5.48	-4.99	13.13	-3.02
		959	5532.06	-55.60	-966.27	-955.16	-66.72	-99.99	12.33	-12.28	-10.59	10.64	-6.21
		1098	4531.42	-52.95	-793.21	-779.45	-66.72	-99.99	4.69	-13.67	-11.50	2.52	-5.92
		1099	4388.85	177.84	-749.67	-689.27	117.44	-228.86	5.65	-6.54	-5.89	5.01	-2.73
873	4	958	5390.57	174.14	-897.11	-847.05	124.08	-226.09	13.72	-5.35	-4.88	13.24	-2.97
		959	5449.55	-57.61	-950.36	-940.73	-67.24	-92.21	12.26	-12.20	-10.54	10.61	-6.14
		1098	4540.96	-55.65	-801.36	-789.78	-67.24	-92.21	4.67	-13.60	-11.43	2.50	-5.91
		1099	4416.51	182.27	-754.29	-696.10	124.08	-226.09	5.78	-6.41	-5.76	5.13	-2.74
873	5	958	5337.94	172.92	-888.12	-838.63	123.44	-223.74	13.68	-5.24	-4.81	13.25	-2.81
		959	5394.68	-57.14	-941.09	-931.67	-66.57	-90.78	12.17	-12.01	-10.44	10.60	-5.96
		1098	4493.63	-55.24	-794.03	-782.70	-66.57	-90.78	4.59	-13.40	-11.32	2.51	-5.75
		1099	4370.67	180.94	-747.16	-689.66	123.44	-223.74	5.75	-6.28	-5.69	5.16	-2.60
873	6	958	5315.79	172.50	-885.23	-835.93	123.20	-222.96	13.64	-5.18	-4.79	13.25	-2.68
		959	5373.26	-56.94	-938.09	-928.73	-66.30	-90.35	12.10	-11.91	-10.41	10.60	-5.82
		1098	4473.94	-55.05	-791.59	-780.33	-66.30	-90.35	4.52	-13.28	-11.29	2.52	-5.62
		1099	4349.82	180.47	-744.81	-687.54	123.20	-222.96	5.72	-6.21	-5.67	5.18	-2.48
873	7	958	5293.07	172.32	-882.42	-833.28	123.18	-222.31	13.61	-5.11	-4.76	13.26	-2.52
		959	5351.08	-56.87	-935.27	-925.98	-66.15	-89.82	12.01	-11.81	-10.38	10.58	-5.66
		1098	4456.07	-55.00	-790.03	-778.88	-66.15	-89.82	4.43	-13.16	-11.25	2.52	-5.46
		1099	4330.67	180.22	-743.22	-686.17	123.18	-222.31	5.68	-6.11	-5.64	5.20	-2.33
873	8	958	4214.77	128.98	-706.54	-667.44	89.89	-176.45	10.81	-4.14	-3.78	10.45	-2.30
		959	4280.01	-42.65	-745.28	-736.59	-51.33	-77.63	9.75	-9.43	-8.15	8.46	-4.79
		1098	3494.98	-40.55	-610.16	-599.38	-51.33	-77.63	3.70	-10.54	-8.88	2.03	-4.58
		1099	3382.86	136.58	-576.92	-530.23	89.89	-176.45	4.50	-4.99	-4.50	4.02	-2.09
873	9	958	3784.83	119.80	-637.00	-601.71	84.51	-159.56	9.29	-3.82	-3.52	8.98	-1.98
		959	3838.83	-39.54	-673.33	-666.03	-46.85	-67.64	8.36	-8.53	-7.42	7.25	-4.19
		1098	3166.28	-37.90	-558.34	-549.39	-46.85	-67.64	3.13	-9.46	-8.03	1.71	-3.99
		1099	3070.80	126.16	-526.73	-485.07	84.51	-159.56	3.83	-4.53	-4.13	3.43	-1.78
873	10	958	3834.07	120.11	-645.90	-610.10	84.30	-161.70	9.32	-3.94	-3.58	8.96	-2.14
		959	3891.42	-39.72	-682.19	-674.56	-47.34	-69.58	8.46	-8.70	-7.51	7.26	-4.37
		1098	3204.06	-37.96	-563.27	-553.89	-47.34	-69.58	3.21	-9.64	-8.12	1.70	-4.15
		1099	3106.58	126.74	-531.86	-489.43	84.30	-161.70	3.85	-4.66	-4.20	3.40	-1.92
873	11	958	3760.36	122.53	-628.99	-593.96	87.51	-158.42	9.33	-3.77	-3.47	9.03	-1.95
		959	3803.15	-40.45	-666.54	-659.88	-47.11	-64.22	8.33	-8.50	-7.40	7.24	-4.15
		1098	3172.26	-39.11	-562.39	-554.38	-47.11	-64.22	3.12	-9.43	-8.00	1.70	-3.98
		1099	3084.81	128.21	-529.16	-488.46	87.51	-158.42	3.89	-4.47	-4.07	3.49	-1.78
874	1	974	6543.33	26.90	-1197.73	-1170.93	0.11	179.14	17.28	-13.80	-10.95	14.43	-8.97

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		975	6191.59	90.54	-1145.61	-1132.89	77.81	124.77	13.76	-12.08	-8.97	10.65	-8.41
		1100	6050.33	90.22	-1176.75	-1164.34	77.81	124.77	8.82	-16.04	-10.40	3.18	-10.41
		1101	6385.26	26.23	-1228.51	-1202.39	0.11	179.14	11.92	-17.33	-12.38	6.96	-10.97
874	2	974	6598.64	27.19	-1209.84	-1182.90	0.26	180.53	17.26	-13.84	-11.03	14.45	-8.92
		975	6245.37	91.58	-1157.19	-1144.43	78.83	125.55	13.71	-12.11	-9.05	10.64	-8.35
		1100	6119.16	91.23	-1192.24	-1179.84	78.83	125.55	8.76	-16.05	-10.47	3.19	-10.36
		1101	6455.82	26.44	-1244.49	-1218.31	0.26	180.53	11.90	-17.36	-12.45	6.99	-10.93
874	3	974	6665.82	27.51	-1223.61	-1196.27	0.17	182.93	17.27	-13.98	-11.18	14.46	-8.94
		975	6308.28	92.86	-1170.13	-1157.21	79.93	127.12	13.69	-12.21	-9.17	10.65	-8.33
		1100	6201.13	92.46	-1209.92	-1197.39	79.93	127.12	8.76	-16.14	-10.59	3.20	-10.36
		1101	6542.45	26.66	-1262.94	-1236.45	0.17	182.93	11.93	-17.50	-12.60	7.02	-10.97
874	4	974	6748.71	28.37	-1242.11	-1214.66	0.93	184.71	17.29	-14.09	-11.27	14.47	-8.97
		975	6391.38	94.08	-1188.47	-1175.43	81.04	128.65	13.70	-12.31	-9.26	10.65	-8.36
		1100	6282.99	93.68	-1228.01	-1215.37	81.04	128.65	8.77	-16.23	-10.68	3.21	-10.39
		1101	6624.37	27.54	-1281.20	-1254.60	0.93	184.71	11.94	-17.60	-12.69	7.03	-11.00
874	5	974	7562.31	29.22	-1415.47	-1385.81	-0.45	204.88	17.11	-15.07	-12.66	14.70	-8.48
		975	7174.62	107.21	-1352.95	-1339.62	93.88	138.88	13.09	-13.00	-10.52	10.61	-7.65
		1100	7078.39	106.83	-1396.34	-1383.40	93.88	138.88	8.22	-16.71	-11.85	3.35	-9.88
		1101	7451.69	28.35	-1458.38	-1429.59	-0.45	204.88	11.88	-18.43	-13.99	7.44	-10.72
874	6	974	6581.61	27.32	-1206.39	-1179.55	0.47	180.00	17.31	-13.86	-10.98	14.43	-9.02
		975	6230.48	91.14	-1154.18	-1141.40	78.36	125.50	13.79	-12.15	-9.01	10.65	-8.45
		1100	6091.50	90.82	-1185.90	-1173.45	78.36	125.50	8.85	-16.11	-10.44	3.18	-10.45
		1101	6425.94	26.64	-1237.76	-1211.59	0.47	180.00	11.95	-17.40	-12.41	6.96	-11.02
874	7	974	6509.71	27.02	-1190.71	-1163.85	0.16	178.85	17.32	-13.80	-10.89	14.41	-9.06
		975	6159.31	90.28	-1138.78	-1125.99	77.49	124.73	13.84	-12.09	-8.90	10.66	-8.51
		1100	6038.77	89.92	-1174.96	-1162.54	77.49	124.73	8.89	-16.07	-10.35	3.17	-10.49
		1101	6372.54	26.24	-1226.49	-1200.41	0.16	178.85	11.95	-17.36	-12.33	6.92	-11.05
874	8	974	5148.58	21.16	-942.11	-921.04	0.09	140.89	13.62	-10.66	-8.54	11.50	-6.86
		975	4872.40	71.49	-900.92	-890.96	61.53	97.90	10.77	-9.36	-7.05	8.46	-6.42
		1100	4779.35	71.18	-931.22	-921.57	61.53	97.90	6.83	-12.45	-8.17	2.54	-8.02
		1101	5041.80	20.51	-972.07	-951.65	0.09	140.89	9.34	-13.42	-9.66	5.58	-8.45
874	9	974	4634.46	19.17	-851.71	-832.66	0.13	127.39	11.93	-9.92	-7.85	9.86	-6.40
		975	4385.31	64.44	-814.64	-805.60	55.40	88.71	9.52	-8.62	-6.39	7.28	-5.96
		1100	4300.60	64.20	-838.18	-829.37	55.40	88.71	6.17	-11.37	-7.38	2.18	-7.35
		1101	4539.18	18.67	-874.98	-856.43	0.13	127.39	8.29	-12.38	-8.84	4.76	-7.78
874	10	974	4702.55	19.51	-866.09	-846.74	0.16	129.49	11.92	-10.02	-7.98	9.88	-6.38
		975	4450.17	65.73	-828.27	-819.11	56.58	90.01	9.47	-8.69	-6.50	7.28	-5.92
		1100	4384.41	65.45	-856.60	-847.73	56.58	90.01	6.13	-11.42	-7.48	2.19	-7.32
		1101	4626.52	18.91	-894.11	-875.36	0.16	129.49	8.30	-12.47	-8.96	4.79	-7.78
874	11	974	4655.74	19.40	-856.53	-837.45	0.32	127.86	11.94	-9.95	-7.87	9.86	-6.42
		975	4406.93	64.78	-819.40	-810.33	55.70	89.11	9.53	-8.66	-6.41	7.28	-5.99
		1100	4323.47	64.54	-843.26	-834.43	55.70	89.11	6.18	-11.40	-7.40	2.18	-7.37
		1101	4561.78	18.89	-880.12	-861.55	0.32	127.86	8.31	-12.41	-8.86	4.76	-7.81
875	1	973	8676.30	8.75	-1617.53	-1611.52	2.75	98.61	16.81	-17.47	-14.82	14.16	-9.15
		974	8416.45	23.52	-1608.34	-1603.65	18.83	87.35	13.89	-17.20	-13.97	10.67	-9.48
		1101	8359.78	23.41	-1648.01	-1643.43	18.83	87.35	8.50	-20.49	-15.47	3.47	-10.97
		1082	8600.01	8.61	-1657.16	-1651.31	2.75	98.61	11.09	-20.45	-16.31	6.96	-10.65
875	2	973	8745.24	8.92	-1632.40	-1626.40	2.92	99.04	16.81	-17.54	-14.92	14.18	-9.13
		974	8484.64	23.50	-1623.34	-1618.63	18.79	87.94	13.86	-17.27	-14.08	10.67	-9.44
		1101	8442.16	23.38	-1666.75	-1662.16	18.79	87.94	8.47	-20.55	-15.56	3.49	-10.95
		1082	8683.21	8.77	-1675.78	-1669.93	2.92	99.04	11.12	-20.51	-16.39	7.00	-10.64
875	3	973	8840.90	9.02	-1651.68	-1645.58	2.92	100.44	16.84	-17.75	-15.12	14.20	-9.18
		974	8577.65	23.83	-1642.47	-1637.69	19.04	89.16	13.85	-17.45	-14.27	10.67	-9.46
		1101	8555.77	23.69	-1691.04	-1686.39	19.04	89.16	8.48	-20.72	-15.74	3.50	-10.99
		1082	8799.71	8.84	-1700.21	-1694.28	2.92	100.44	11.16	-20.71	-16.58	7.03	-10.71
875	4	973	8929.26	9.56	-1671.27	-1665.25	3.54	100.41	16.85	-17.86	-15.21	14.20	-9.21
		974	8666.09	23.63	-1662.54	-1657.76	18.85	89.70	13.86	-17.57	-14.37	10.66	-9.50
		1101	8652.28	23.50	-1713.14	-1708.50	18.85	89.70	8.49	-20.83	-15.83	3.50	-11.03
		1082	8896.25	9.38	-1721.84	-1715.99	3.54	100.41	11.18	-20.82	-16.67	7.03	-10.74
875	5	973	9997.21	10.38	-1895.92	-1889.43	3.88	111.07	17.03	-19.43	-16.97	14.56	-9.16
		974	9716.44	25.12	-1886.82	-1881.59	19.89	99.87	13.42	-19.04	-16.24	10.62	-9.11
		1101	9677.87	25.00	-1933.04	-1927.93	19.89	99.87	8.31	-22.11	-17.47	3.68	-10.93
		1082	9941.01	10.22	-1942.11	-1935.77	3.88	111.07	11.66	-22.23	-18.20	7.62	-10.98
875	6	973	8717.40	8.97	-1626.76	-1620.79	3.00	98.64	16.83	-17.53	-14.85	14.16	-9.20
		974	8457.80	23.44	-1617.77	-1613.08	18.75	87.62	13.92	-17.26	-14.01	10.67	-9.53
		1101	8408.15	23.32	-1659.17	-1654.60	18.75	87.62	8.53	-20.56	-15.50	3.47	-11.02
		1082	8648.18	8.83	-1668.13	-1662.31	3.00	98.64	11.12	-20.51	-16.35	6.96	-10.69
875	7	973	8637.44	8.74	-1609.38	-1603.36	2.73	98.49	16.81	-17.44	-14.76	14.13	-9.20
		974	8377.48	23.55	-1600.16	-1595.46	18.85	87.21	13.95	-17.16	-13.88	10.67	-9.56
		1101	8345.18	23.42	-1645.71	-1641.14	18.85	87.21	8.54	-20.48	-15.40	3.46	-11.03
		1082	8585.56	8.58	-1654.89	-1649.03	2.73	98.49	11.08	-20.44	-16.28	6.91	-10.67
875	8	973	6822.64	6.94	-1271.88	-1267.18	2.24	77.40	13.29	-13.57	-11.58	11.30	-7.04

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		974	6619.55	18.37	-1264.78	-1261.09	14.68	68.69	10.91	-13.41	-10.98	8.48	-7.29
		1101	6593.34	18.27	-1301.83	-1298.24	14.68	68.69	6.63	-15.98	-12.13	2.78	-8.49
		1082	6780.48	6.81	-1308.90	-1304.34	2.24	77.40	8.76	-15.89	-12.73	5.59	-8.25
875	9	973	6152.04	6.23	-1150.06	-1145.80	1.97	70.06	11.58	-12.52	-10.60	9.66	-6.53
		974	5967.70	16.69	-1143.56	-1140.22	13.36	62.09	9.60	-12.26	-9.94	7.29	-6.73
		1101	5942.07	16.61	-1173.23	-1169.99	13.36	62.09	5.93	-14.54	-10.98	2.37	-7.76
		1082	6113.64	6.13	-1179.72	-1175.56	1.97	70.06	7.70	-14.59	-11.64	4.75	-7.56
875	10	973	6243.52	6.38	-1169.03	-1164.72	2.07	71.08	11.60	-12.68	-10.77	9.69	-6.54
		974	6057.28	16.86	-1162.52	-1159.13	13.48	63.10	9.58	-12.40	-10.11	7.28	-6.72
		1101	6050.97	16.77	-1197.14	-1193.85	13.48	63.10	5.93	-14.67	-11.13	2.39	-7.77
		1082	6224.59	6.26	-1203.63	-1199.44	2.07	71.08	7.74	-14.74	-11.79	4.79	-7.59
875	11	973	6174.88	6.36	-1155.19	-1150.95	2.11	70.08	11.59	-12.56	-10.62	9.66	-6.55
		974	5990.68	16.65	-1148.79	-1145.46	13.31	62.24	9.62	-12.30	-9.96	7.29	-6.76
		1101	5968.94	16.56	-1179.44	-1176.19	13.31	62.24	5.95	-14.58	-11.00	2.37	-7.79
		1082	6140.40	6.25	-1185.81	-1181.67	2.11	70.08	7.72	-14.62	-11.66	4.75	-7.58
876	1	972	9959.64	18.12	-1871.18	-1870.17	17.11	43.63	16.36	-19.46	-16.98	13.87	-9.10
		973	9825.69	14.24	-1873.27	-1872.13	13.10	46.43	14.04	-20.38	-17.21	10.87	-9.95
		1082	9650.62	14.23	-1886.97	-1885.84	13.10	46.43	8.06	-23.14	-18.62	3.54	-10.98
		1083	9766.36	18.11	-1884.88	-1883.88	17.11	43.63	10.14	-21.99	-18.39	6.54	-10.13
876	2	972	1.004e+04	18.53	-1887.33	-1886.34	17.54	43.41	16.38	-19.57	-17.09	13.90	-9.11
		973	9902.04	14.22	-1889.66	-1888.52	13.08	46.54	14.02	-20.49	-17.34	10.87	-9.94
		1082	9736.51	14.21	-1905.94	-1904.81	13.08	46.54	8.07	-23.24	-18.72	3.55	-11.00
		1083	9852.29	18.52	-1903.60	-1902.62	17.54	43.41	10.19	-22.07	-18.47	6.59	-10.16
876	3	972	1.015e+04	18.79	-1910.37	-1909.37	17.78	44.06	16.42	-19.82	-17.32	13.92	-9.19
		973	1.002e+04	14.43	-1912.73	-1911.57	13.28	47.21	14.03	-20.74	-17.57	10.86	-10.00
		1082	9868.84	14.42	-1933.61	-1932.47	13.28	47.21	8.10	-23.47	-18.94	3.56	-11.07
		1083	9985.87	18.78	-1931.26	-1930.26	17.78	44.06	10.25	-22.32	-18.69	6.62	-10.26
876	4	972	1.023e+04	19.24	-1928.84	-1927.87	18.28	43.29	16.42	-19.92	-17.40	13.91	-9.22
		973	1.010e+04	14.25	-1931.53	-1930.40	13.12	46.91	14.05	-20.84	-17.66	10.87	-10.04
		1082	9960.67	14.24	-1954.53	-1953.41	13.12	46.91	8.11	-23.57	-19.03	3.56	-11.10
		1083	1.008e+04	19.23	-1951.83	-1950.88	18.28	43.29	10.25	-22.42	-18.78	6.61	-10.29
876	5	972	1.149e+04	19.23	-2191.29	-2190.16	18.10	50.01	16.87	-22.04	-19.43	14.26	-9.73
		973	1.135e+04	16.81	-2192.60	-2191.39	15.59	51.76	13.89	-23.03	-19.95	10.81	-10.21
		1082	1.113e+04	16.80	-2197.63	-2196.41	15.59	51.76	8.32	-25.58	-21.02	3.77	-11.56
		1083	1.125e+04	19.22	-2196.32	-2195.19	18.10	50.01	11.10	-24.40	-20.51	7.21	-11.08
876	6	972	9998.86	18.23	-1880.08	-1879.08	17.24	43.42	16.37	-19.52	-17.02	13.87	-9.14
		973	9865.20	14.20	-1882.26	-1881.13	13.07	46.34	14.06	-20.43	-17.24	10.87	-10.00
		1082	9698.01	14.19	-1897.89	-1896.77	13.07	46.34	8.09	-23.20	-18.65	3.54	-11.03
		1083	9813.53	18.22	-1895.71	-1894.72	17.24	43.42	10.15	-22.04	-18.43	6.53	-10.17
876	7	972	9919.08	17.99	-1862.87	-1861.86	16.98	43.68	16.33	-19.41	-16.92	13.84	-9.10
		973	9784.40	14.25	-1864.90	-1863.75	13.11	46.39	14.07	-20.31	-17.11	10.87	-9.98
		1082	9633.65	14.24	-1884.49	-1883.35	13.11	46.39	8.06	-23.08	-18.55	3.53	-10.99
		1083	9750.18	17.98	-1882.46	-1881.46	16.98	43.68	10.09	-21.95	-18.36	6.49	-10.11
876	8	972	7831.56	14.47	-1471.19	-1470.41	13.69	33.96	12.97	-15.17	-13.27	11.08	-7.05
		973	7727.48	11.12	-1473.00	-1472.10	10.23	36.38	11.05	-15.94	-13.52	8.63	-7.70
		1082	7605.16	11.11	-1488.78	-1487.90	10.23	36.38	6.33	-18.10	-14.60	2.83	-8.55
		1083	7694.38	14.46	-1486.97	-1486.20	13.69	33.96	8.06	-17.13	-14.35	5.28	-7.90
876	9	972	7064.85	12.90	-1330.35	-1329.64	12.19	30.96	11.26	-13.94	-12.14	9.46	-6.49
		973	6969.69	10.11	-1331.86	-1331.05	9.30	32.98	9.70	-14.52	-12.24	7.43	-7.07
		1082	6858.97	10.11	-1342.92	-1342.11	9.30	32.98	5.62	-16.42	-13.22	2.42	-7.77
		1083	6942.25	12.90	-1341.41	-1340.70	12.19	30.96	7.02	-15.69	-13.12	4.45	-7.19
876	10	972	7171.29	13.28	-1352.13	-1351.41	12.56	31.20	11.30	-14.14	-12.33	9.48	-6.54
		973	7075.51	10.22	-1353.78	-1352.96	9.40	33.41	9.70	-14.72	-12.44	7.42	-7.10
		1082	6980.22	10.21	-1368.83	-1368.02	9.40	33.41	5.64	-16.61	-13.40	2.43	-7.82
		1083	7064.20	13.27	-1367.17	-1366.47	12.56	31.20	7.08	-15.87	-13.28	4.49	-7.26
876	11	972	7086.65	12.97	-1335.30	-1334.59	12.26	30.84	11.27	-13.97	-12.16	9.46	-6.51
		973	6991.65	10.09	-1336.85	-1336.05	9.28	32.93	9.72	-14.55	-12.26	7.43	-7.09
		1082	6885.30	10.08	-1348.98	-1348.18	9.28	32.93	5.64	-16.45	-13.23	2.42	-7.79
		1083	6968.46	12.96	-1347.42	-1346.72	12.26	30.84	7.03	-15.72	-13.14	4.45	-7.21
877	1	971	1.035e+04	27.80	-1948.25	-1948.21	27.75	-9.39	15.78	-19.57	-17.41	13.62	-8.47
		972	1.031e+04	-3.16	-1963.46	-1963.38	-3.24	12.30	13.78	-21.68	-18.68	10.78	-9.87
		1083	1.003e+04	-3.16	-1952.83	-1952.75	-3.24	12.30	7.35	-24.12	-20.04	3.27	-10.58
		1084	1.005e+04	27.80	-1937.62	-1937.58	27.75	-9.39	9.13	-21.79	-18.77	6.10	-9.19
877	2	971	1.043e+04	28.39	-1963.69	-1963.63	28.34	-10.33	15.82	-19.69	-17.51	13.64	-8.53
		972	1.039e+04	-3.42	-1979.29	-1979.22	-3.49	11.94	13.79	-21.82	-18.81	10.78	-9.90
		1083	1.011e+04	-3.41	-1969.63	-1969.55	-3.49	11.94	7.38	-24.25	-20.14	3.28	-10.63
		1084	1.012e+04	28.39	-1954.03	-1953.97	28.34	-10.33	9.20	-21.90	-18.84	6.14	-9.26
877	3	971	1.055e+04	28.88	-1988.23	-1988.18	28.82	-10.54	15.88	-19.96	-17.74	13.66	-8.63
		972	1.051e+04	-3.48	-2004.10	-2004.03	-3.55	12.11	13.81	-22.10	-19.07	10.78	-9.99
		1083	1.024e+04	-3.48	-1997.98	-1997.91	-3.55	12.11	7.43	-24.53	-20.39	3.29	-10.74
		1084	1.026e+04	28.88	-1982.11	-1982.06	28.82	-10.54	9.28	-22.16	-19.06	6.17	-9.38
877	4	971	1.062e+04	29.44	-2004.18	-2004.11	29.37	-11.81	15.88	-20.03	-17.81	13.66	-8.66

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		972	1.059e+04	-3.83	-2020.46	-2020.40	-3.90	11.47	13.82	-22.19	-19.14	10.77	-10.02
		1083	1.032e+04	-3.83	-2015.39	-2015.33	-3.90	11.47	7.44	-24.61	-20.46	3.28	-10.76
		1084	1.034e+04	29.44	-1999.10	-1999.03	29.37	-11.81	9.28	-22.24	-19.13	6.17	-9.40
877	5	971	1.196e+04	41.17	-2272.59	-2272.43	41.01	-18.93	16.68	-22.48	-19.89	14.09	-9.74
		972	1.192e+04	-6.50	-2295.83	-2295.74	-6.59	14.38	13.90	-24.93	-21.69	10.66	-10.74
		1083	1.155e+04	-6.50	-2266.14	-2266.05	-6.59	14.38	8.05	-27.18	-22.63	3.49	-11.82
		1084	1.157e+04	41.17	-2242.90	-2242.74	41.01	-18.93	10.64	-24.54	-20.82	6.91	-10.82
877	6	971	1.039e+04	27.81	-1956.42	-1956.37	27.77	-9.60	15.79	-19.62	-17.44	13.61	-8.51
		972	1.035e+04	-3.22	-1971.66	-1971.58	-3.30	12.13	13.80	-21.72	-18.70	10.78	-9.91
		1083	1.007e+04	-3.22	-1963.03	-1962.96	-3.30	12.13	7.37	-24.17	-20.07	3.26	-10.61
		1084	1.009e+04	27.81	-1947.79	-1947.74	27.77	-9.60	9.13	-21.84	-18.80	6.09	-9.21
877	7	971	1.031e+04	27.63	-1940.72	-1940.68	27.58	-9.13	15.74	-19.50	-17.35	13.59	-8.44
		972	1.028e+04	-3.08	-1955.81	-1955.73	-3.16	12.38	13.78	-21.58	-18.58	10.79	-9.85
		1083	1.001e+04	-3.08	-1950.60	-1950.52	-3.16	12.38	7.33	-24.04	-19.97	3.25	-10.54
		1084	1.003e+04	27.63	-1935.51	-1935.47	27.58	-9.13	9.06	-21.74	-18.74	6.06	-9.13
877	8	971	8139.46	22.25	-1531.18	-1531.14	22.21	-8.11	12.56	-15.27	-13.60	10.88	-6.62
		972	8110.30	-2.68	-1543.41	-1543.35	-2.73	9.35	10.88	-16.99	-14.68	8.56	-7.70
		1083	7895.21	-2.68	-1538.44	-1538.38	-2.73	9.35	5.82	-18.91	-15.71	2.62	-8.30
		1084	7906.76	22.26	-1526.21	-1526.17	22.21	-8.11	7.31	-17.01	-14.63	4.93	-7.22
877	9	971	7344.43	19.79	-1385.12	-1385.08	19.75	-6.75	10.85	-14.01	-12.44	9.28	-6.05
		972	7317.20	-2.27	-1395.95	-1395.89	-2.32	8.69	9.52	-15.44	-13.29	7.37	-7.01
		1083	7126.80	-2.27	-1389.42	-1389.37	-2.32	8.69	5.12	-17.12	-14.23	2.23	-7.49
		1084	7139.77	19.79	-1378.59	-1378.56	19.75	-6.75	6.30	-15.55	-13.38	4.14	-6.53
877	10	971	7454.64	20.39	-1407.33	-1407.29	20.35	-7.39	10.91	-14.23	-12.63	9.30	-6.14
		972	7427.78	-2.44	-1418.53	-1418.47	-2.49	8.59	9.54	-15.68	-13.50	7.36	-7.08
		1083	7246.77	-2.44	-1414.51	-1414.46	-2.49	8.59	5.17	-17.35	-14.42	2.24	-7.57
		1084	7259.43	20.39	-1403.31	-1403.27	20.35	-7.39	6.39	-15.75	-13.55	4.18	-6.63
877	11	971	7364.07	19.80	-1389.65	-1389.62	19.76	-6.87	10.86	-14.04	-12.46	9.28	-6.07
		972	7336.94	-2.30	-1400.50	-1400.45	-2.35	8.60	9.53	-15.46	-13.30	7.37	-7.03
		1083	7151.08	-2.30	-1395.09	-1395.04	-2.35	8.60	5.13	-17.15	-14.24	2.22	-7.50
		1084	7164.01	19.80	-1384.24	-1384.21	19.76	-6.87	6.30	-15.57	-13.40	4.13	-6.54
878	1	970	9947.11	40.48	-1865.47	-1863.77	38.78	-56.93	15.12	-17.98	-16.24	13.38	-7.39
		971	9995.80	-15.36	-1890.56	-1890.37	-15.55	-18.91	13.42	-21.19	-18.48	10.71	-9.29
		1084	9600.36	-15.36	-1855.81	-1855.62	-15.55	-18.91	6.62	-23.36	-19.80	3.05	-9.70
		1085	9525.24	40.51	-1830.75	-1829.01	38.78	-56.93	8.09	-19.93	-17.56	5.72	-7.79
878	2	970	1.001e+04	41.28	-1878.40	-1876.61	39.49	-58.51	15.18	-18.10	-16.33	13.40	-7.47
		971	1.006e+04	-15.75	-1903.97	-1903.77	-15.96	-19.70	13.45	-21.33	-18.60	10.71	-9.36
		1084	9660.69	-15.75	-1868.01	-1867.81	-15.96	-19.70	6.67	-23.50	-19.89	3.07	-9.78
		1085	9585.05	41.31	-1842.47	-1840.65	39.49	-58.51	8.17	-20.04	-17.62	5.76	-7.89
878	3	970	1.013e+04	42.06	-1902.14	-1900.32	40.23	-59.61	15.24	-18.36	-16.54	13.42	-7.61
		971	1.018e+04	-16.03	-1928.18	-1927.97	-16.24	-20.09	13.49	-21.64	-18.85	10.71	-9.49
		1084	9789.47	-16.03	-1893.98	-1893.76	-16.24	-20.09	6.74	-23.79	-20.13	3.07	-9.92
		1085	9712.41	42.10	-1867.97	-1866.11	40.23	-59.61	8.27	-20.30	-17.82	5.79	-8.04
878	4	970	1.019e+04	42.85	-1914.71	-1912.78	40.93	-61.35	15.25	-18.42	-16.59	13.42	-7.63
		971	1.024e+04	-16.46	-1941.23	-1941.00	-16.69	-21.03	13.49	-21.70	-18.92	10.70	-9.51
		1084	9842.70	-16.46	-1905.97	-1905.74	-16.69	-21.03	6.74	-23.86	-20.19	3.07	-9.94
		1085	9766.11	42.89	-1879.48	-1877.52	40.93	-61.35	8.28	-20.35	-17.86	5.80	-8.06
878	5	970	1.135e+04	50.54	-2146.26	-2143.49	47.77	-77.97	16.16	-20.81	-18.30	13.65	-9.30
		971	1.143e+04	-20.31	-2177.45	-2177.03	-20.73	-30.03	14.16	-24.67	-21.24	10.73	-11.02
		1084	1.093e+04	-20.30	-2118.28	-2117.85	-20.73	-30.03	7.73	-26.67	-22.19	3.26	-11.57
		1085	1.082e+04	50.62	-2087.16	-2084.31	47.77	-77.97	9.55	-22.62	-19.25	6.18	-9.85
878	6	970	9978.22	40.45	-1872.82	-1871.12	38.75	-57.03	15.12	-18.01	-16.27	13.37	-7.41
		971	1.003e+04	-15.39	-1897.92	-1897.72	-15.58	-19.01	13.44	-21.22	-18.50	10.71	-9.32
		1084	9641.60	-15.39	-1865.62	-1865.42	-15.58	-19.01	6.62	-23.39	-19.82	3.05	-9.72
		1085	9566.37	40.48	-1840.55	-1838.82	38.75	-57.03	8.08	-19.97	-17.59	5.71	-7.81
878	7	970	9914.97	40.27	-1859.46	-1857.78	38.59	-56.52	15.07	-17.90	-16.19	13.36	-7.31
		971	9962.43	-15.25	-1884.42	-1884.23	-15.43	-18.72	13.40	-21.08	-18.40	10.72	-9.23
		1084	9586.06	-15.24	-1854.33	-1854.14	-15.43	-18.72	6.57	-23.26	-19.74	3.04	-9.63
		1085	9512.17	40.30	-1829.40	-1827.69	38.59	-56.52	8.01	-19.86	-17.54	5.69	-7.70
878	8	970	7817.57	32.42	-1464.85	-1463.44	31.01	-45.93	12.07	-14.05	-12.68	10.70	-5.83
		971	7856.40	-12.35	-1484.92	-1484.75	-12.52	-15.48	10.64	-16.64	-14.51	8.51	-7.31
		1084	7544.39	-12.35	-1458.32	-1458.16	-12.52	-15.48	5.28	-18.35	-15.52	2.45	-7.67
		1085	7484.13	32.44	-1438.28	-1436.84	31.01	-45.93	6.53	-15.58	-13.68	4.64	-6.19
878	9	970	7056.04	28.82	-1326.23	-1325.01	27.60	-40.57	10.38	-12.88	-11.61	9.11	-5.28
		971	7090.87	-10.94	-1344.09	-1343.95	-11.08	-13.50	9.26	-15.09	-13.14	7.32	-6.61
		1084	6820.54	-10.94	-1320.05	-1319.91	-11.08	-13.50	4.60	-16.58	-14.06	2.08	-6.86
		1085	6768.16	28.84	-1302.21	-1300.97	27.60	-40.57	5.57	-14.22	-12.52	3.87	-5.54
878	10	970	7159.40	29.70	-1346.60	-1345.32	28.41	-42.06	10.45	-13.09	-11.78	9.14	-5.40
		971	7195.33	-11.31	-1364.99	-1364.84	-11.46	-14.16	9.30	-15.34	-13.35	7.31	-6.71
		1084	6925.60	-11.31	-1341.25	-1341.10	-11.46	-14.16	4.67	-16.82	-14.24	2.09	-6.99
		1085	6872.14	29.72	-1322.89	-1321.58	28.41	-42.06	5.67	-14.43	-12.67	3.91	-5.68
878	11	970	7073.34	28.80	-1330.31	-1329.10	27.59	-40.62	10.38	-12.90	-11.63	9.11	-5.29

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		971	7108.28	-10.96	-1348.18	-1348.04	-11.10	-13.56	9.27	-15.11	-13.15	7.32	-6.62
		1084	6843.45	-10.96	-1325.50	-1325.36	-11.10	-13.56	4.61	-16.60	-14.07	2.07	-6.87
		1085	6791.01	28.82	-1307.65	-1306.42	27.59	-40.62	5.57	-14.24	-12.54	3.87	-5.55
879	1	969	8818.28	57.20	-1636.18	-1629.88	50.91	-103.07	14.44	-14.83	-13.59	13.20	-5.89
		970	8937.89	-26.72	-1669.96	-1668.57	-28.11	-47.78	12.94	-19.06	-16.77	10.65	-8.25
		1085	8415.93	-26.67	-1607.42	-1605.97	-28.11	-47.78	5.84	-20.98	-18.02	2.88	-8.40
		1086	8261.68	57.45	-1573.81	-1567.27	50.91	-103.07	7.10	-16.50	-14.84	5.43	-6.04
879	2	969	8867.36	57.94	-1645.40	-1638.91	51.45	-104.95	14.49	-14.94	-13.66	13.21	-6.01
		970	8987.70	-27.13	-1679.55	-1678.10	-28.58	-48.95	12.99	-19.20	-16.86	10.65	-8.36
		1085	8449.93	-27.07	-1613.05	-1611.53	-28.58	-48.95	5.90	-21.11	-18.10	2.88	-8.51
		1086	8295.05	58.20	-1579.10	-1572.35	51.45	-104.95	7.17	-16.61	-14.89	5.45	-6.16
879	3	969	8974.32	59.23	-1665.91	-1659.24	52.56	-107.09	14.56	-15.17	-13.83	13.22	-6.16
		970	9096.72	-27.65	-1700.74	-1699.25	-29.14	-49.92	13.05	-19.49	-17.09	10.64	-8.52
		1085	8554.85	-27.59	-1633.31	-1631.76	-29.14	-49.92	5.99	-21.40	-18.31	2.89	-8.67
		1086	8398.03	59.50	-1598.70	-1591.75	52.56	-107.09	7.26	-16.84	-15.05	5.47	-6.32
879	4	969	9016.86	60.74	-1674.42	-1667.46	53.78	-109.73	14.57	-15.22	-13.87	13.22	-6.19
		970	9137.29	-28.27	-1709.96	-1708.40	-29.83	-51.22	13.06	-19.54	-17.13	10.65	-8.54
		1085	8574.96	-28.20	-1637.30	-1635.67	-29.83	-51.22	6.00	-21.45	-18.34	2.89	-8.69
		1086	8420.08	61.05	-1602.00	-1594.73	53.78	-109.73	7.27	-16.88	-15.08	5.47	-6.34
879	5	969	9896.55	66.12	-1845.11	-1836.64	57.65	-126.96	15.44	-17.30	-15.15	13.29	-8.11
		970	1.005e+04	-32.45	-1883.89	-1881.79	-34.55	-62.44	13.94	-22.20	-18.89	10.63	-10.44
		1085	9424.96	-32.34	-1797.37	-1795.16	-34.55	-62.44	7.10	-22.09	-19.92	2.93	-10.61
		1086	9241.77	66.52	-1758.89	-1750.01	57.65	-126.96	8.39	-18.97	-16.18	5.60	-8.28
879	6	969	8844.29	56.85	-1642.66	-1636.41	50.61	-102.81	14.44	-14.85	-13.61	13.20	-5.90
		970	8964.65	-26.66	-1676.31	-1674.93	-28.05	-47.77	12.94	-19.08	-16.78	10.64	-8.26
		1085	8458.55	-26.61	-1617.78	-1616.35	-28.05	-47.77	5.84	-21.00	-18.04	2.87	-8.41
		1086	8303.65	57.07	-1584.30	-1577.83	50.61	-102.81	7.10	-16.52	-14.86	5.43	-6.05
879	7	969	8793.65	56.85	-1632.11	-1625.87	50.61	-102.46	14.39	-14.75	-13.55	13.19	-5.79
		970	8912.35	-26.56	-1665.71	-1664.33	-27.94	-47.49	12.90	-18.95	-16.70	10.65	-8.16
		1085	8406.90	-26.51	-1607.26	-1605.83	-27.94	-47.49	5.77	-20.87	-17.97	2.87	-8.30
		1086	8253.49	57.07	-1573.83	-1567.37	50.61	-102.45	7.02	-16.43	-14.82	5.41	-5.93
879	8	969	6925.21	45.68	-1282.83	-1277.68	40.53	-82.56	11.55	-11.60	-10.59	10.54	-4.72
		970	7018.84	-21.32	-1309.68	-1308.53	-22.47	-38.47	10.30	-14.98	-13.15	8.46	-6.56
		1085	6592.88	-21.27	-1257.41	-1256.21	-22.47	-38.47	4.70	-16.50	-14.11	2.31	-6.71
		1086	6471.39	45.89	-1230.72	-1225.36	40.53	-82.56	5.76	-12.92	-11.55	4.39	-4.87
879	9	969	6253.08	40.67	-1163.19	-1158.70	36.18	-73.35	9.90	-10.64	-9.73	8.99	-4.23
		970	6338.76	-19.01	-1187.20	-1186.21	-20.00	-34.04	8.92	-13.58	-11.93	7.27	-5.87
		1085	5976.93	-18.97	-1143.02	-1141.99	-20.00	-34.04	4.05	-14.89	-12.79	1.95	-5.95
		1086	5868.12	40.84	-1119.13	-1114.48	36.18	-73.35	4.87	-11.79	-10.59	3.67	-4.30
879	10	969	6339.83	41.79	-1179.71	-1175.01	37.10	-75.58	9.96	-10.83	-9.86	9.00	-4.38
		970	6427.03	-19.52	-1204.30	-1203.25	-20.57	-35.23	8.98	-13.82	-12.11	7.27	-6.02
		1085	6054.10	-19.48	-1157.40	-1156.31	-20.57	-35.23	4.13	-15.12	-12.95	1.96	-6.09
		1086	5943.86	41.98	-1132.96	-1128.08	37.10	-75.58	4.96	-11.97	-10.71	3.69	-4.45
879	11	969	6267.54	40.47	-1166.79	-1162.33	36.01	-73.20	9.90	-10.65	-9.74	8.99	-4.23
		970	6353.63	-18.97	-1190.73	-1189.74	-19.96	-34.03	8.92	-13.59	-11.94	7.27	-5.88
		1085	6000.61	-18.94	-1148.78	-1147.75	-19.96	-34.03	4.05	-14.90	-12.80	1.95	-5.95
		1086	5891.44	40.63	-1124.96	-1120.34	36.01	-73.20	4.87	-11.80	-10.60	3.67	-4.31
880	1	968	7019.85	65.11	-1279.55	-1265.38	50.93	-137.32	13.85	-10.25	-9.53	13.13	-4.10
		969	7214.94	-32.02	-1312.76	-1308.22	-36.55	-76.10	12.32	-15.48	-13.70	10.54	-6.81
		1086	6552.63	-31.66	-1219.74	-1214.85	-36.55	-76.10	5.06	-17.13	-14.80	2.74	-6.79
		1087	6311.74	66.16	-1187.24	-1172.01	50.93	-137.32	6.31	-11.61	-10.63	5.33	-4.09
880	2	968	7045.76	63.97	-1284.79	-1270.59	49.77	-137.66	13.89	-10.33	-9.57	13.13	-4.22
		969	7244.94	-31.89	-1317.52	-1312.87	-36.55	-77.25	12.38	-15.60	-13.76	10.54	-6.93
		1086	6566.74	-31.51	-1220.38	-1215.34	-36.55	-77.25	5.13	-17.25	-14.86	2.74	-6.91
		1087	6322.27	65.08	-1188.38	-1173.07	49.77	-137.66	6.36	-11.71	-10.67	5.32	-4.20
880	3	968	7125.07	64.36	-1300.09	-1285.63	49.91	-139.69	13.94	-10.51	-9.70	13.13	-4.39
		969	7329.01	-32.21	-1333.00	-1328.20	-37.01	-78.87	12.46	-15.85	-13.93	10.55	-7.11
		1086	6637.64	-31.81	-1232.52	-1227.32	-37.01	-78.87	5.22	-17.50	-15.02	2.74	-7.08
		1087	6388.87	65.52	-1200.36	-1184.75	49.91	-139.69	6.42	-11.89	-10.79	5.32	-4.36
880	4	968	7144.86	63.72	-1305.07	-1290.36	49.01	-141.14	13.91	-10.55	-9.73	13.09	-4.40
		969	7351.35	-32.19	-1337.60	-1332.58	-37.21	-80.81	12.49	-15.87	-13.94	10.56	-7.14
		1086	6619.13	-31.72	-1226.56	-1221.07	-37.21	-80.81	5.21	-17.53	-15.05	2.74	-7.09
		1087	6368.46	65.02	-1194.87	-1178.85	49.00	-141.14	6.37	-11.94	-10.84	5.27	-4.35
880	5	968	7757.90	72.87	-1413.37	-1396.03	55.53	-159.60	14.73	-12.16	-10.55	13.13	-6.36
		969	7980.08	-36.56	-1449.90	-1444.01	-42.45	-91.04	13.48	-18.06	-15.12	10.54	-9.17
		1086	7233.48	-36.04	-1334.68	-1328.27	-42.45	-91.04	6.39	-19.81	-16.14	2.72	-9.10
		1087	6968.82	74.33	-1299.09	-1280.29	55.53	-159.60	7.39	-13.66	-11.57	5.30	-6.29
880	6	968	7048.20	68.07	-1284.22	-1269.68	53.53	-139.47	13.87	-10.26	-9.53	13.15	-4.11
		969	7237.51	-32.80	-1318.66	-1314.16	-37.30	-75.92	12.32	-15.50	-13.72	10.54	-6.81
		1086	6589.12	-32.46	-1229.22	-1224.38	-37.30	-75.92	5.07	-17.14	-14.81	2.74	-6.81
		1087	6353.46	69.10	-1195.48	-1179.91	53.53	-139.47	6.34	-11.62	-10.62	5.34	-4.11
880	7	968	7005.58	65.94	-1277.16	-1262.93	51.70	-137.54	13.81	-10.18	-9.50	13.13	-3.98

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		969	7197.84	-32.16	-1310.69	-1306.20	-36.66	-75.70	12.27	-15.39	-13.66	10.54	-6.69
		1086	6546.98	-31.82	-1220.65	-1215.81	-36.66	-75.70	4.99	-17.02	-14.77	2.73	-6.67
		1087	6308.57	66.96	-1187.80	-1172.54	51.70	-137.54	6.26	-11.54	-10.61	5.32	-3.97
880	8	968	5500.48	49.40	-1001.04	-989.91	38.28	-107.51	11.07	-8.01	-7.41	10.46	-3.35
		969	5657.03	-24.77	-1026.31	-1022.60	-28.47	-60.80	9.85	-12.18	-10.72	8.39	-5.48
		1086	5115.75	-24.45	-948.56	-944.54	-28.47	-60.80	4.11	-13.50	-11.58	2.19	-5.48
		1087	4922.99	50.29	-923.87	-911.85	38.28	-107.51	5.10	-9.11	-8.27	4.26	-3.35
880	9	968	4974.02	46.34	-909.56	-899.47	36.25	-97.71	9.47	-7.38	-6.84	8.94	-2.96
		969	5113.58	-22.78	-933.19	-929.96	-26.01	-54.14	8.48	-11.04	-9.75	7.19	-4.85
		1086	4651.28	-22.53	-867.12	-863.64	-26.01	-54.14	3.50	-12.16	-10.51	1.85	-4.81
		1087	4481.06	47.10	-843.99	-833.15	36.25	-97.71	4.31	-8.31	-7.60	3.60	-2.92
880	10	968	5032.59	45.93	-920.97	-910.72	35.68	-99.02	9.52	-7.53	-6.94	8.93	-3.12
		969	5176.99	-22.89	-944.43	-941.06	-26.26	-55.67	8.56	-11.24	-9.88	7.20	-5.02
		1086	4698.48	-22.61	-874.22	-870.56	-26.26	-55.67	3.59	-12.37	-10.63	1.85	-4.97
		1087	4523.94	46.74	-851.28	-840.23	35.68	-99.02	4.37	-8.47	-7.68	3.59	-3.07
880	11	968	4989.77	47.99	-912.16	-901.86	37.69	-98.90	9.48	-7.38	-6.84	8.95	-2.96
		969	5126.13	-23.21	-936.47	-933.26	-26.42	-54.03	8.48	-11.05	-9.76	7.19	-4.85
		1086	4671.56	-22.97	-872.39	-868.93	-26.42	-54.03	3.51	-12.17	-10.51	1.85	-4.82
		1087	4504.23	48.73	-848.57	-837.54	37.69	-98.90	4.33	-8.31	-7.59	3.61	-2.93
881	1	967	4857.85	137.88	-816.28	-772.52	94.12	-199.60	13.52	-4.30	-4.01	13.23	-2.27
		968	4968.97	-44.36	-857.05	-845.83	-55.59	-94.84	11.48	-10.87	-9.64	10.25	-5.09
		1087	4054.19	-41.69	-702.80	-688.90	-55.59	-94.84	4.51	-12.06	-10.28	2.74	-5.13
		1088	3888.20	146.40	-667.88	-615.60	94.12	-199.60	6.20	-5.13	-4.64	5.71	-2.30
881	2	967	4873.19	138.78	-817.34	-773.52	94.96	-199.95	13.56	-4.34	-4.02	13.24	-2.37
		968	4981.48	-44.79	-858.49	-847.38	-55.89	-94.39	11.53	-10.95	-9.67	10.25	-5.20
		1087	4070.73	-42.16	-705.07	-691.35	-55.89	-94.39	4.58	-12.15	-10.30	2.73	-5.24
		1088	3907.59	147.24	-669.76	-617.48	94.96	-199.95	6.25	-5.19	-4.65	5.71	-2.42
881	3	967	4921.08	140.18	-825.12	-780.78	95.84	-202.09	13.60	-4.44	-4.08	13.24	-2.53
		968	5030.64	-45.31	-866.65	-855.40	-56.55	-95.45	11.61	-11.13	-9.77	10.25	-5.38
		1087	4114.23	-42.64	-711.60	-697.69	-56.55	-95.45	4.66	-12.35	-10.40	2.71	-5.41
		1088	3950.64	148.75	-675.98	-623.06	95.84	-202.09	6.29	-5.30	-4.71	5.70	-2.56
881	4	967	4914.75	138.87	-825.52	-781.41	94.76	-201.48	13.56	-4.43	-4.08	13.20	-2.50
		968	5030.17	-45.18	-866.76	-855.47	-56.47	-95.64	11.59	-11.12	-9.78	10.24	-5.36
		1087	4087.67	-42.37	-704.92	-690.81	-56.47	-95.64	4.63	-12.33	-10.41	2.70	-5.38
		1088	3919.45	147.85	-669.84	-616.75	94.76	-201.48	6.24	-5.29	-4.71	5.66	-2.52
881	5	967	5311.48	143.90	-883.66	-835.57	95.81	-217.04	14.15	-5.61	-4.57	13.12	-4.41
		968	5433.39	-46.74	-925.41	-911.96	-60.19	-107.88	12.75	-12.72	-10.33	10.36	-7.43
		1087	4465.64	-43.40	-753.29	-736.50	-60.19	-107.88	5.78	-14.22	-11.05	2.61	-7.30
		1088	4296.58	153.69	-717.99	-660.11	95.81	-217.04	6.88	-6.80	-5.30	5.37	-4.28
881	6	967	4872.31	136.28	-821.07	-777.04	92.24	-200.55	13.49	-4.33	-4.03	13.19	-2.29
		968	4990.02	-43.69	-861.08	-849.34	-55.42	-97.22	11.50	-10.88	-9.64	10.26	-5.12
		1087	4056.32	-40.80	-701.80	-687.18	-55.42	-97.22	4.52	-12.07	-10.29	2.74	-5.14
		1088	3885.02	145.16	-667.79	-614.87	92.24	-200.55	6.16	-5.17	-4.68	5.67	-2.30
881	7	967	4846.49	137.29	-816.10	-772.31	93.50	-199.59	13.48	-4.26	-3.99	13.21	-2.15
		968	4960.36	-44.08	-856.59	-845.24	-55.43	-95.37	11.42	-10.80	-9.63	10.25	-4.97
		1087	4040.30	-41.35	-701.19	-687.11	-55.43	-95.37	4.45	-11.96	-10.26	2.74	-5.01
		1088	3871.64	145.91	-666.59	-614.18	93.50	-199.59	6.15	-5.07	-4.63	5.71	-2.18
881	8	967	3803.80	107.99	-635.07	-600.94	73.86	-155.55	10.81	-3.33	-3.07	10.54	-1.91
		968	3886.40	-34.92	-667.07	-658.43	-43.55	-73.39	9.18	-8.54	-7.52	8.16	-4.13
		1087	3174.15	-32.88	-547.96	-537.28	-43.55	-73.39	3.67	-9.52	-8.02	2.18	-4.19
		1088	3047.45	114.57	-520.49	-479.78	73.86	-155.55	5.01	-4.02	-3.57	4.56	-1.97
881	9	967	3436.19	97.95	-580.23	-549.11	66.83	-141.90	9.24	-3.15	-2.92	9.01	-1.66
		968	3516.87	-31.51	-609.18	-601.19	-39.51	-67.49	7.89	-7.75	-6.86	6.99	-3.64
		1087	2874.40	-29.60	-499.31	-489.41	-39.51	-67.49	3.12	-8.56	-7.29	1.85	-3.63
		1088	2757.47	104.03	-474.53	-437.33	66.83	-141.90	4.22	-3.72	-3.35	3.86	-1.66
881	10	967	3471.43	99.23	-585.14	-553.70	67.79	-143.28	9.28	-3.23	-2.96	9.01	-1.81
		968	3551.19	-32.04	-614.51	-606.51	-40.04	-67.82	7.96	-7.90	-6.93	7.00	-3.80
		1087	2907.76	-30.13	-504.20	-494.29	-40.04	-67.82	3.20	-8.72	-7.36	1.84	-3.79
		1088	2792.21	105.33	-479.03	-441.48	67.79	-143.28	4.28	-3.81	-3.39	3.86	-1.80
881	11	967	3444.30	97.06	-582.89	-551.62	65.79	-142.43	9.22	-3.17	-2.94	8.99	-1.67
		968	3528.59	-31.14	-611.42	-603.14	-39.41	-68.81	7.91	-7.76	-6.86	7.00	-3.65
		1087	2875.58	-29.11	-498.76	-488.45	-39.41	-68.81	3.12	-8.57	-7.30	1.85	-3.64
		1088	2755.74	103.34	-474.48	-436.93	65.79	-142.43	4.20	-3.74	-3.37	3.84	-1.66
882	1	19	1893.64	-20.02	-314.43	-268.40	-66.05	-106.93	15.41	4.23	4.41	15.23	-1.41
		967	2519.84	48.19	-312.07	-245.20	-18.69	-140.07	9.28	-6.61	-6.02	8.69	-3.00
		1088	1943.58	100.68	-183.05	-63.69	-18.69	-140.07	5.63	-6.54	-4.18	3.27	-4.81
		1089	1406.96	30.96	-183.90	-86.88	-66.05	-106.93	11.71	4.36	6.26	9.81	-3.22
882	2	19	1900.07	-20.31	-315.60	-269.48	-66.43	-107.20	15.35	4.18	4.39	15.14	-1.51
		967	2539.49	48.53	-313.22	-246.07	-18.62	-140.65	9.35	-6.66	-6.02	8.71	-3.14
		1088	1960.13	101.28	-183.61	-63.72	-18.62	-140.65	5.69	-6.62	-4.20	3.27	-4.89
		1089	1411.07	30.92	-184.47	-87.13	-66.42	-107.20	11.65	4.25	6.20	9.70	-3.26
882	3	19	1909.95	-21.15	-318.11	-271.70	-67.57	-107.84	15.26	4.08	4.33	15.02	-1.63

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		967	2571.34	49.29	-315.69	-247.75	-18.65	-142.06	9.46	-6.73	-6.02	8.74	-3.33
		1088	1987.73	102.50	-185.24	-64.09	-18.66	-142.06	5.75	-6.75	-4.26	3.26	-4.99
		1089	1412.91	30.52	-186.12	-88.04	-67.57	-107.84	11.53	4.09	6.08	9.54	-3.29
882	4	19	1903.71	-21.84	-316.84	-271.10	-67.59	-106.78	15.25	4.02	4.23	15.04	-1.54
		967	2561.01	48.83	-314.38	-247.06	-18.50	-141.14	9.49	-6.66	-5.95	8.77	-3.32
		1088	1975.65	102.26	-183.45	-62.70	-18.50	-141.14	5.73	-6.74	-4.29	3.28	-4.95
		1089	1390.20	30.05	-184.37	-86.74	-67.59	-106.78	11.38	4.05	5.89	9.54	-3.18
882	5	19	2011.82	-19.88	-328.00	-277.52	-70.36	-114.04	14.65	3.17	4.09	13.73	-3.12
		967	2830.31	52.11	-325.77	-253.13	-20.54	-148.91	10.56	-7.74	-6.06	8.88	-5.29
		1088	2227.69	104.71	-197.58	-72.34	-20.54	-148.91	6.51	-8.01	-4.61	3.10	-6.16
		1089	1515.86	31.26	-198.35	-96.73	-70.36	-114.04	10.92	2.58	5.54	7.95	-3.99
882	6	19	1890.03	-19.59	-313.12	-266.98	-65.74	-106.84	15.42	4.25	4.42	15.25	-1.39
		967	2510.82	47.75	-310.82	-244.08	-18.99	-139.56	9.26	-6.60	-6.01	8.68	-2.98
		1088	1939.53	99.80	-182.95	-64.16	-18.99	-139.56	5.62	-6.53	-4.17	3.26	-4.80
		1089	1406.67	30.98	-183.77	-87.05	-65.74	-106.84	11.72	4.37	6.26	9.83	-3.21
882	7	19	1888.34	-20.37	-313.83	-268.03	-66.17	-106.51	15.48	4.26	4.41	15.33	-1.29
		967	2503.24	48.05	-311.46	-244.76	-18.66	-139.76	9.23	-6.55	-6.01	8.69	-2.87
		1088	1928.40	100.57	-182.48	-63.25	-18.66	-139.76	5.57	-6.46	-4.17	3.28	-4.73
		1089	1397.60	30.65	-183.33	-86.51	-66.17	-106.51	11.73	4.44	6.25	9.92	-3.15
882	8	19	1494.27	-16.27	-245.01	-209.28	-52.01	-83.05	12.17	3.28	3.46	12.00	-1.24
		967	1992.78	37.95	-243.15	-190.84	-14.35	-109.40	7.48	-5.20	-4.68	6.95	-2.53
		1088	1542.06	78.95	-142.63	-49.33	-14.35	-109.40	4.56	-5.22	-3.28	2.61	-3.90
		1089	1109.81	23.54	-143.31	-67.76	-52.01	-83.05	9.22	3.30	4.85	7.66	-2.61
882	9	19	1319.53	-14.35	-223.32	-190.64	-47.03	-75.91	10.48	2.85	2.99	10.34	-1.03
		967	1777.64	34.28	-221.65	-174.10	-13.27	-99.53	6.39	-4.68	-4.23	5.94	-2.18
		1088	1369.71	71.57	-130.05	-45.22	-13.27	-99.53	3.87	-4.63	-2.98	2.21	-3.36
		1089	974.82	21.87	-130.65	-61.75	-47.03	-75.91	7.93	2.92	4.24	6.61	-2.20
882	10	19	1329.13	-14.97	-225.37	-192.47	-47.87	-76.41	10.40	2.76	2.94	10.22	-1.15
		967	1806.49	34.89	-223.66	-175.52	-13.25	-100.64	6.49	-4.75	-4.22	5.97	-2.37
		1088	1394.25	72.58	-131.26	-45.44	-13.25	-100.64	3.93	-4.75	-3.02	2.21	-3.46
		1089	978.50	21.63	-131.89	-62.39	-47.87	-76.41	7.83	2.77	4.14	6.46	-2.25
882	11	19	1317.46	-14.11	-222.59	-189.85	-46.85	-75.86	10.48	2.85	2.99	10.35	-1.02
		967	1772.61	34.03	-220.95	-173.48	-13.43	-99.25	6.38	-4.67	-4.22	5.93	-2.18
		1088	1367.47	71.08	-129.99	-45.48	-13.43	-99.25	3.86	-4.62	-2.97	2.21	-3.36
		1089	974.63	21.88	-130.58	-61.85	-46.85	-75.86	7.93	2.93	4.24	6.62	-2.20
883	1	1123	1971.42	-31.12	-175.78	-68.03	-138.87	63.07	16.76	7.17	7.33	16.60	-1.24
		19	1514.00	18.90	-34.69	-5.22	-10.58	-26.66	14.28	-0.79	1.63	11.86	-5.54
		1089	1430.06	58.50	-20.94	48.22	-10.66	-26.66	8.09	-7.69	-2.85	3.25	-7.27
		1122	1512.65	11.83	-165.20	-14.58	-138.79	63.07	9.35	1.49	2.85	8.00	-2.97
883	2	1123	1966.88	-31.07	-175.90	-67.97	-138.99	63.11	16.68	7.15	7.33	16.50	-1.29
		19	1513.29	18.84	-34.69	-5.16	-10.69	-26.62	14.23	-0.85	1.61	11.77	-5.58
		1089	1434.29	58.41	-21.02	48.17	-10.78	-26.62	8.11	-7.70	-2.81	3.21	-7.31
		1122	1513.45	11.80	-165.34	-14.63	-138.91	63.11	9.36	1.49	2.91	7.95	-3.02
883	3	1123	1958.45	-30.92	-175.21	-67.64	-138.49	62.85	16.59	7.09	7.28	16.40	-1.32
		19	1513.29	18.49	-34.58	-5.18	-10.91	-26.38	14.13	-1.06	1.44	11.62	-5.63
		1089	1443.29	57.96	-21.09	47.87	-10.99	-26.38	8.13	-7.80	-2.82	3.16	-7.38
		1122	1512.39	11.74	-164.72	-14.57	-138.41	62.86	9.41	1.54	3.02	7.93	-3.07
883	4	1123	1951.66	-30.18	-171.61	-66.09	-135.70	61.56	16.72	7.00	7.13	16.58	-1.13
		19	1517.09	17.86	-33.85	-5.02	-10.97	-25.68	14.00	-1.45	0.94	11.61	-5.59
		1089	1451.73	56.50	-20.82	46.73	-11.05	-25.69	8.08	-8.05	-3.11	3.14	-7.44
		1122	1500.76	11.45	-161.39	-14.32	-135.62	61.56	9.50	1.71	3.09	8.11	-2.98
883	5	1123	1943.36	-33.20	-187.09	-72.58	-147.71	67.15	15.68	7.20	7.67	15.21	-1.94
		19	1492.25	20.69	-36.90	-5.50	-10.71	-28.67	13.75	-0.84	2.28	10.63	-5.98
		1089	1528.60	62.74	-21.98	51.56	-10.80	-28.68	8.61	-7.86	-1.89	2.64	-7.92
		1122	1590.20	12.64	-175.76	-15.50	-147.63	67.15	9.67	1.06	3.50	7.23	-3.88
883	6	1123	1971.83	-31.31	-175.86	-68.31	-138.86	63.09	16.77	7.16	7.32	16.61	-1.24
		19	1516.25	19.02	-34.78	-5.40	-10.36	-26.78	14.28	-0.81	1.61	11.86	-5.54
		1089	1430.74	58.79	-20.81	48.42	-10.44	-26.79	8.09	-7.69	-2.86	3.26	-7.27
		1122	1513.43	11.94	-165.18	-14.47	-138.77	63.09	9.36	1.50	2.85	8.01	-2.97
883	7	1123	1970.00	-30.89	-174.08	-67.46	-137.52	62.44	16.83	7.10	7.24	16.69	-1.18
		19	1519.90	18.51	-34.42	-5.31	-10.59	-26.33	14.27	-0.96	1.41	11.90	-5.53
		1089	1426.43	57.87	-20.79	47.75	-10.67	-26.34	8.05	-7.74	-2.97	3.29	-7.25
		1122	1504.67	11.77	-163.57	-14.37	-137.43	62.44	9.37	1.57	2.86	8.08	-2.90
883	8	1123	1545.38	-23.81	-135.02	-52.11	-106.72	48.44	13.22	5.62	5.77	13.07	-1.05
		19	1203.88	14.26	-26.64	-3.97	-8.41	-20.33	11.28	-0.83	1.15	9.30	-4.48
		1089	1137.56	44.66	-16.25	36.88	-8.47	-20.33	6.44	-6.16	-2.25	2.53	-5.83
		1122	1182.59	9.04	-126.94	-11.24	-106.66	48.44	7.44	1.23	2.37	6.31	-2.40
883	9	1123	1357.76	-22.04	-124.45	-48.17	-98.32	44.65	11.41	4.91	5.02	11.30	-0.84
		19	1033.35	13.32	-24.57	-3.72	-7.53	-18.85	9.69	-0.58	1.08	8.03	-3.79
		1089	987.68	41.39	-14.85	34.13	-7.59	-18.85	5.55	-5.31	-1.95	2.19	-5.02
		1122	1053.47	8.38	-116.96	-10.31	-98.26	44.65	6.43	1.02	1.99	5.46	-2.07
883	10	1123	1350.59	-21.93	-124.14	-47.95	-98.11	44.53	11.31	4.86	4.98	11.19	-0.88

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		19	1033.05	13.10	-24.51	-3.70	-7.72	-18.69	9.60	-0.73	0.98	7.90	-3.84
		1089	995.10	41.09	-14.93	33.93	-7.78	-18.70	5.58	-5.37	-1.93	2.14	-5.08
		1122	1053.38	8.33	-116.69	-10.31	-98.05	44.53	6.46	1.05	2.08	5.43	-2.12
883	11	1123	1357.98	-22.14	-124.50	-48.33	-98.32	44.66	11.41	4.90	5.01	11.30	-0.84
		19	1034.59	13.39	-24.62	-3.82	-7.41	-18.92	9.69	-0.59	1.07	8.03	-3.79
		1089	988.04	41.55	-14.77	34.24	-7.47	-18.92	5.55	-5.30	-1.95	2.20	-5.02
		1122	1053.90	8.44	-116.95	-10.25	-98.26	44.66	6.43	1.03	1.99	5.47	-2.07
884	1	966	3467.24	11.78	-597.98	-514.27	-71.94	209.86	18.04	-10.02	-5.96	13.98	-9.87
		18	2924.90	47.97	-527.77	-479.29	-0.51	159.87	17.17	-3.75	-0.79	14.21	-7.29
		1090	3326.96	36.55	-690.18	-653.11	-0.51	159.87	13.80	-6.18	-1.71	9.33	-8.32
		1091	3757.56	-7.25	-752.78	-688.09	-71.94	209.86	14.63	-12.40	-6.88	9.10	-10.90
884	2	966	3862.25	21.17	-721.89	-632.94	-67.77	241.20	17.18	-10.47	-7.15	13.86	-8.99
		18	3393.86	50.89	-667.00	-605.13	-10.97	201.46	15.79	-3.76	-1.52	13.55	-6.23
		1090	3865.63	38.18	-836.62	-787.47	-10.97	201.46	12.76	-6.25	-2.48	8.99	-7.58
		1091	4384.14	3.30	-886.35	-815.28	-67.77	241.20	14.11	-12.92	-8.11	9.30	-10.34
884	3	966	3500.37	12.83	-611.15	-525.95	-72.36	214.25	18.05	-10.10	-6.08	14.02	-9.85
		18	2970.50	49.37	-540.40	-490.69	-0.34	163.85	17.12	-3.77	-0.85	14.20	-7.24
		1090	3400.19	37.54	-709.08	-671.20	-0.34	163.85	13.75	-6.23	-1.78	9.31	-8.31
		1091	3840.36	-6.76	-772.07	-706.47	-72.36	214.25	14.64	-12.52	-7.01	9.13	-10.92
884	4	966	3489.72	12.56	-609.32	-523.51	-73.26	214.48	18.02	-10.04	-6.08	14.06	-9.77
		18	2953.63	47.63	-540.44	-489.34	-3.48	165.65	17.04	-3.74	-0.87	14.16	-7.18
		1090	3373.07	35.55	-706.57	-667.54	-3.48	165.65	13.65	-6.23	-1.81	9.22	-8.27
		1091	3819.35	-7.04	-767.93	-701.71	-73.26	214.48	14.58	-12.49	-7.02	9.12	-10.87
884	5	966	3468.34	12.01	-602.66	-518.02	-72.62	211.81	17.97	-10.00	-6.01	13.99	-9.78
		18	2931.87	47.07	-534.05	-483.95	-3.03	163.11	17.06	-3.72	-0.83	14.16	-7.20
		1090	3336.03	35.35	-696.12	-657.74	-3.03	163.11	13.69	-6.17	-1.76	9.28	-8.25
		1091	3774.73	-7.10	-757.33	-691.81	-72.62	211.81	14.56	-12.40	-6.95	9.11	-10.83
884	6	966	3459.70	11.06	-593.69	-509.29	-73.34	209.57	18.02	-10.00	-5.95	13.98	-9.85
		18	2899.63	46.93	-523.19	-474.32	-1.93	159.59	17.15	-3.72	-0.77	14.21	-7.27
		1090	3296.05	35.41	-684.00	-646.65	-1.93	159.59	13.78	-6.15	-1.70	9.32	-8.30
		1091	3728.30	-8.13	-746.83	-681.62	-73.34	209.57	14.61	-12.39	-6.88	9.10	-10.88
884	7	966	3468.86	11.12	-587.78	-502.98	-73.68	208.79	18.17	-9.99	-5.87	14.05	-9.95
		18	2880.52	47.10	-516.41	-467.70	-1.62	158.37	17.31	-3.75	-0.73	14.29	-7.38
		1090	3285.68	35.30	-680.98	-644.07	-1.62	158.37	13.87	-6.21	-1.66	9.32	-8.40
		1091	3729.34	-8.68	-744.35	-679.35	-73.68	208.79	14.68	-12.40	-6.80	9.08	-10.97
884	8	966	2703.54	9.83	-470.62	-405.04	-55.74	164.94	14.16	-7.69	-4.63	11.10	-7.59
		18	2303.91	38.16	-415.84	-377.73	0.05	125.90	13.38	-2.86	-0.64	11.16	-5.58
		1090	2625.28	29.09	-545.79	-516.75	0.05	125.90	10.70	-4.80	-1.37	7.27	-6.43
		1091	2964.60	-5.25	-594.56	-544.07	-55.74	164.94	11.45	-9.59	-5.35	7.21	-8.44
884	9	966	2454.49	8.46	-424.74	-365.11	-51.17	149.25	12.53	-7.20	-4.28	9.61	-7.01
		18	2058.67	33.95	-375.12	-340.42	-0.75	113.97	11.98	-2.71	-0.58	9.85	-5.17
		1090	2356.66	25.75	-490.98	-464.49	-0.75	113.97	9.67	-4.39	-1.23	6.51	-5.87
		1091	2662.43	-5.15	-535.20	-489.18	-51.17	149.25	10.20	-8.86	-4.93	6.27	-7.71
884	10	966	2472.99	9.04	-432.06	-371.61	-51.41	151.69	12.53	-7.25	-4.35	9.63	-7.00
		18	2084.09	34.72	-382.14	-346.76	-0.65	116.17	11.95	-2.72	-0.61	9.84	-5.14
		1090	2397.43	26.29	-501.48	-474.53	-0.65	116.17	9.65	-4.42	-1.26	6.50	-5.86
		1091	2708.50	-4.88	-545.92	-499.39	-51.41	151.69	10.20	-8.92	-5.00	6.28	-7.72
884	11	966	2450.20	8.06	-422.36	-362.35	-51.95	149.09	12.52	-7.19	-4.28	9.60	-6.99
		18	2044.61	33.37	-372.57	-337.66	-1.54	113.81	11.97	-2.69	-0.57	9.85	-5.16
		1090	2339.48	25.11	-487.55	-460.90	-1.54	113.81	9.66	-4.37	-1.22	6.51	-5.86
		1091	2646.18	-5.64	-531.89	-485.58	-51.95	149.09	10.18	-8.85	-4.93	6.27	-7.70
885	1	1073	4043.99	-48.23	-705.16	-692.55	-60.84	-90.15	4.45	-12.06	-10.30	2.69	-5.10
		1103	3964.48	173.17	-664.75	-606.49	114.91	-213.13	6.00	-5.45	-5.02	5.57	-2.18
		993	4932.35	163.91	-812.05	-763.05	114.91	-213.13	13.56	-4.46	-4.19	13.29	-2.20
		992	4953.49	-50.66	-859.28	-849.11	-60.84	-90.15	11.64	-10.71	-9.47	10.40	-5.12
885	2	1073	4049.89	-48.22	-705.53	-692.85	-60.90	-90.42	4.48	-12.11	-10.31	2.68	-5.15
		1103	3970.67	173.21	-665.18	-606.80	114.83	-213.39	6.01	-5.48	-5.03	5.56	-2.23
		993	4940.96	163.89	-813.26	-764.20	114.83	-213.39	13.57	-4.48	-4.20	13.28	-2.26
		992	4962.20	-50.68	-860.47	-850.25	-60.90	-90.42	11.67	-10.74	-9.48	10.41	-5.18
885	3	1073	4111.78	-48.46	-713.50	-700.27	-61.69	-92.86	4.64	-12.42	-10.45	2.67	-5.45
		1103	4030.92	174.54	-673.21	-613.73	115.05	-216.54	6.06	-5.69	-5.13	5.50	-2.50
		993	5014.82	164.91	-825.45	-775.60	115.05	-216.54	13.62	-4.65	-4.29	13.26	-2.55
		992	5039.47	-51.06	-872.77	-862.14	-61.69	-92.86	11.84	-11.02	-9.61	10.43	-5.50
885	4	1073	4099.39	-45.85	-705.59	-690.40	-61.05	-98.97	4.65	-12.47	-10.50	2.69	-5.46
		1103	4001.84	170.68	-668.18	-606.93	109.42	-218.26	5.96	-5.79	-5.23	5.40	-2.49
		993	5054.51	159.64	-839.24	-789.03	109.42	-218.26	13.55	-4.75	-4.37	13.17	-2.60
		992	5101.27	-49.15	-884.40	-872.50	-61.05	-98.97	11.89	-11.08	-9.64	10.45	-5.57
885	5	1073	4415.97	-47.01	-744.01	-726.27	-64.76	-109.78	5.60	-14.14	-11.10	2.57	-7.12
		1103	4315.56	177.03	-706.52	-640.30	110.81	-232.64	6.36	-7.07	-5.76	5.05	-3.99
		993	5410.94	164.76	-892.37	-838.42	110.81	-232.64	13.99	-5.79	-4.82	13.02	-4.27
		992	5466.79	-50.96	-938.18	-924.38	-64.76	-109.78	12.91	-12.53	-10.16	10.54	-7.39
885	6	1073	4028.50	-45.43	-696.22	-681.52	-60.14	-96.72	4.47	-12.13	-10.36	2.71	-5.11

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		1103	3931.15	168.95	-658.97	-598.80	108.79	-214.93	5.90	-5.55	-5.13	5.47	-2.17
		993	4974.79	158.15	-826.95	-777.58	108.79	-214.93	13.48	-4.56	-4.27	13.19	-2.25
		992	5019.81	-48.62	-871.82	-860.30	-60.14	-96.72	11.70	-10.78	-9.51	10.43	-5.19
885	7	1073	4036.84	-48.15	-704.35	-691.72	-60.78	-90.15	4.42	-12.02	-10.29	2.69	-5.04
		1103	3956.44	172.94	-664.02	-605.79	114.71	-212.95	5.99	-5.42	-5.01	5.58	-2.13
		993	4925.49	163.67	-811.53	-762.57	114.71	-212.95	13.55	-4.44	-4.18	13.29	-2.14
		992	4947.45	-50.59	-858.68	-848.50	-60.78	-90.15	11.61	-10.67	-9.46	10.40	-5.06
885	8	1073	3172.53	-37.31	-549.41	-539.22	-47.50	-71.52	3.66	-9.58	-8.06	2.14	-4.22
		1103	3109.80	134.38	-518.40	-472.59	88.57	-166.74	4.83	-4.33	-3.91	4.41	-1.92
		993	3877.33	126.96	-635.59	-597.20	88.57	-166.74	10.83	-3.50	-3.24	10.56	-1.93
		992	3894.28	-39.31	-672.02	-663.83	-47.50	-71.52	9.36	-8.46	-7.39	8.29	-4.23
885	9	1073	2868.02	-34.24	-501.02	-492.02	-43.24	-64.18	3.08	-8.57	-7.31	1.81	-3.62
		1103	2811.86	123.00	-472.35	-430.91	81.56	-151.50	4.09	-3.94	-3.62	3.76	-1.58
		993	3489.55	116.40	-577.34	-542.50	81.56	-151.50	9.26	-3.26	-3.05	9.05	-1.63
		992	3507.11	-35.98	-610.86	-603.61	-43.24	-64.18	8.01	-7.65	-6.74	7.10	-3.67
885	10	1073	2905.68	-34.37	-505.65	-496.31	-43.71	-65.69	3.18	-8.77	-7.39	1.80	-3.82
		1103	2848.86	123.76	-477.05	-434.93	81.64	-153.40	4.12	-4.08	-3.68	3.72	-1.76
		993	3535.56	116.95	-584.78	-549.47	81.64	-153.40	9.30	-3.37	-3.11	9.03	-1.82
		992	3554.96	-36.20	-618.36	-610.85	-43.71	-65.69	8.12	-7.82	-6.81	7.11	-3.88
885	11	1073	2859.39	-32.70	-496.04	-485.89	-42.85	-67.83	3.09	-8.61	-7.34	1.82	-3.63
		1103	2793.44	120.65	-469.14	-426.64	78.16	-152.50	4.03	-4.00	-3.68	3.70	-1.58
		993	3513.31	113.19	-585.61	-550.58	78.16	-152.50	9.22	-3.32	-3.10	8.99	-1.65
		992	3544.00	-34.85	-617.83	-609.83	-42.85	-67.83	8.04	-7.69	-6.76	7.12	-3.71
886	1	1103	1989.60	141.20	-170.69	-23.88	-5.61	-155.68	5.65	-6.09	-3.43	2.99	-4.92
		1106	1580.16	-18.05	-177.84	-78.58	-117.31	-77.51	16.61	6.07	11.23	11.45	-5.27
		180	1932.63	-88.78	-327.89	-299.36	-117.31	-77.51	16.35	6.29	6.77	15.87	-2.14
		993	2564.87	71.14	-321.40	-244.66	-5.61	-155.67	7.61	-8.10	-7.89	7.41	-1.79
886	2	1103	1995.48	141.20	-170.83	-24.00	-5.64	-155.74	5.68	-6.13	-3.44	2.99	-4.95
		1106	1582.01	-18.10	-177.97	-78.70	-117.36	-77.56	16.60	6.02	11.22	11.40	-5.29
		180	1929.10	-88.79	-327.91	-299.34	-117.36	-77.56	16.32	6.26	6.76	15.82	-2.19
		993	2570.50	71.17	-321.44	-244.63	-5.64	-155.74	7.63	-8.12	-7.90	7.41	-1.85
886	3	1103	2035.17	142.12	-173.02	-25.04	-5.87	-157.28	5.79	-6.33	-3.51	2.98	-5.12
		1106	1593.78	-18.61	-180.11	-80.20	-118.53	-78.44	16.54	5.77	11.17	11.14	-5.38
		180	1917.81	-89.45	-330.15	-301.07	-118.53	-78.44	16.18	6.13	6.75	15.56	-2.42
		993	2611.35	71.96	-323.72	-245.90	-5.87	-157.28	7.70	-8.24	-7.94	7.40	-2.16
886	4	1103	2018.26	138.82	-171.95	-26.33	-6.80	-155.08	5.76	-6.32	-3.50	2.94	-5.11
		1106	1590.19	-18.41	-178.73	-80.24	-116.89	-78.04	16.55	5.83	11.19	11.19	-5.36
		180	1909.71	-87.64	-325.09	-295.84	-116.89	-78.04	16.22	6.18	6.77	15.63	-2.37
		993	2580.64	70.24	-318.97	-241.93	-6.80	-155.08	7.67	-8.20	-7.92	7.38	-2.12
886	5	1103	2228.32	142.98	-182.49	-31.75	-7.76	-162.29	6.44	-7.40	-3.84	2.87	-6.05
		1106	1661.50	-21.21	-189.00	-87.86	-122.35	-82.11	16.22	4.41	10.92	9.71	-5.87
		180	1851.28	-90.56	-334.44	-302.65	-122.35	-82.11	15.68	5.17	6.66	14.19	-3.67
		993	2804.67	74.32	-328.63	-246.54	-7.76	-162.29	8.26	-9.00	-8.10	7.35	-3.84
886	6	1103	1970.97	137.58	-169.46	-25.27	-6.61	-153.24	5.61	-6.08	-3.42	2.95	-4.90
		1106	1576.46	-17.82	-176.27	-78.59	-115.51	-77.04	16.63	6.12	11.24	11.51	-5.25
		180	1923.98	-86.81	-322.31	-293.61	-115.51	-77.04	16.39	6.34	6.79	15.94	-2.08
		993	2531.44	69.25	-316.15	-240.29	-6.61	-153.24	7.58	-8.06	-7.87	7.38	-1.74
886	7	1103	1982.64	141.08	-170.44	-23.75	-5.61	-155.50	5.63	-6.06	-3.42	2.99	-4.88
		1106	1578.18	-17.96	-177.60	-78.38	-117.18	-77.43	16.63	6.12	11.24	11.51	-5.25
		180	1936.01	-88.70	-327.72	-299.24	-117.18	-77.43	16.38	6.32	6.77	15.93	-2.09
		993	2558.06	71.00	-321.22	-244.61	-5.61	-155.50	7.60	-8.08	-7.89	7.41	-1.73
886	8	1103	1578.54	109.44	-133.21	-19.25	-4.52	-121.10	4.59	-4.89	-2.68	2.38	-4.01
		1106	1256.84	-14.31	-138.67	-61.72	-91.26	-60.40	13.15	4.63	8.87	8.92	-4.26
		180	1508.13	-68.88	-254.26	-231.88	-91.26	-60.40	12.90	4.90	5.37	12.44	-1.86
		993	2022.65	55.39	-249.31	-189.40	-4.52	-121.10	6.11	-6.39	-6.18	5.90	-1.61
886	9	1103	1403.06	100.25	-121.32	-17.07	-4.00	-110.59	3.88	-4.33	-2.46	2.02	-3.44
		1106	1090.61	-12.87	-126.39	-55.92	-83.34	-55.08	11.33	4.09	7.68	7.73	-3.62
		180	1336.87	-63.04	-232.79	-212.50	-83.34	-55.08	11.12	4.25	4.62	10.75	-1.54
		993	1810.66	50.55	-228.20	-173.65	-4.00	-110.59	5.21	-5.70	-5.53	5.04	-1.36
886	10	1103	1428.39	100.76	-122.62	-17.72	-4.15	-111.48	3.96	-4.46	-2.51	2.01	-3.55
		1106	1098.58	-13.19	-127.65	-56.82	-84.01	-55.59	11.29	3.92	7.65	7.56	-3.68
		180	1328.84	-63.41	-234.05	-213.44	-84.01	-55.60	11.03	4.16	4.61	10.58	-1.70
		993	1836.85	51.01	-229.49	-174.34	-4.15	-111.48	5.27	-5.78	-5.55	5.04	-1.57
886	11	1103	1392.72	98.24	-120.64	-17.84	-4.56	-109.24	3.86	-4.32	-2.46	2.00	-3.43
		1106	1088.39	-12.75	-125.52	-55.92	-82.34	-54.82	11.34	4.12	7.69	7.76	-3.61
		180	1331.86	-61.95	-229.69	-209.30	-82.34	-54.82	11.14	4.28	4.63	10.79	-1.51
		993	1792.02	49.50	-225.28	-171.22	-4.56	-109.24	5.19	-5.68	-5.51	5.03	-1.33
887	1	975	3184.00	14.08	-533.89	-456.64	-63.17	190.69	18.86	-7.86	-4.73	15.73	-8.60
		20	3057.96	7.45	-550.35	-464.23	-78.67	201.54	18.19	-3.11	-0.95	16.04	-6.42
		1107	3180.15	-6.71	-643.11	-571.15	-78.67	201.54	12.81	-5.44	-1.86	9.23	-7.24
		1100	3256.84	1.22	-627.94	-563.56	-63.17	190.69	13.54	-10.26	-5.63	8.91	-9.42
887	2	975	3187.85	14.95	-541.67	-464.23	-62.49	192.63	18.79	-7.88	-4.79	15.70	-8.53

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		20	3078.54	7.07	-561.10	-473.21	-80.82	205.46	18.08	-3.11	-1.00	15.97	-6.34
		1107	3210.84	-7.19	-654.14	-580.51	-80.82	205.46	12.72	-5.44	-1.91	9.19	-7.19
		1100	3271.35	2.19	-636.20	-571.53	-62.49	192.63	13.50	-10.28	-5.69	8.92	-9.38
887	3	975	3203.54	15.50	-548.06	-469.55	-63.01	195.14	18.78	-7.94	-4.87	15.71	-8.51
		20	3096.63	7.28	-568.40	-478.94	-82.18	208.56	18.03	-3.11	-1.03	15.95	-6.30
		1107	3242.20	-7.46	-664.31	-589.59	-82.18	208.56	12.70	-5.46	-1.94	9.18	-7.17
		1100	3298.11	2.36	-645.57	-580.20	-63.01	195.14	13.51	-10.35	-5.78	8.94	-9.39
887	4	975	3226.68	16.12	-557.34	-478.00	-63.23	198.00	18.79	-7.98	-4.92	15.74	-8.51
		20	3129.72	7.15	-579.48	-488.22	-84.11	212.61	18.01	-3.15	-1.08	15.94	-6.29
		1107	3284.79	-7.79	-676.45	-600.13	-84.11	212.61	12.70	-5.49	-1.98	9.19	-7.18
		1100	3331.05	2.91	-656.04	-589.91	-63.23	198.00	13.54	-10.39	-5.83	8.98	-9.41
887	5	975	3665.82	23.98	-655.91	-573.93	-58.00	221.40	18.03	-8.44	-5.92	15.51	-7.77
		20	3376.94	1.94	-706.99	-597.96	-107.08	255.75	16.73	-3.27	-1.72	15.18	-5.36
		1107	3616.07	-11.99	-794.91	-699.82	-107.08	255.75	11.77	-5.63	-2.62	8.76	-6.57
		1100	3719.92	13.15	-746.93	-675.78	-58.00	221.40	13.13	-10.87	-6.82	9.09	-8.99
887	6	975	3199.46	14.43	-538.44	-460.80	-63.21	192.08	18.90	-7.89	-4.74	15.75	-8.63
		20	3078.91	7.37	-555.90	-468.86	-79.67	203.60	18.23	-0.98	-0.79	16.06	-6.44
		1107	3204.80	-6.89	-649.25	-576.48	-79.67	203.60	12.84	-5.47	-1.88	9.25	-7.27
		1100	3276.54	1.53	-633.15	-568.42	-63.21	192.08	13.58	-10.29	-5.64	8.94	-9.45
887	7	975	3195.52	14.17	-529.35	-451.63	-63.55	190.27	18.97	-7.86	-4.66	15.77	-8.70
		20	3062.68	8.05	-544.68	-458.68	-77.95	200.35	18.35	-3.12	-0.91	16.14	-6.52
		1107	3183.82	-6.68	-641.13	-569.86	-77.95	200.34	12.93	-5.45	-1.81	9.29	-7.32
		1100	3266.11	0.69	-627.06	-562.81	-63.55	190.27	13.62	-10.27	-5.57	8.92	-9.50
887	8	975	2476.12	11.86	-421.86	-361.39	-48.61	150.24	14.72	-6.04	-3.71	12.39	-6.55
		20	2389.23	5.62	-437.31	-368.52	-63.17	160.43	14.07	-2.36	-0.78	12.49	-4.85
		1107	2500.05	-5.71	-511.05	-453.58	-63.17	160.43	9.88	-4.21	-1.49	7.16	-5.56
		1100	2546.34	1.75	-496.81	-446.45	-48.61	150.24	10.58	-7.93	-4.41	7.06	-7.26
887	9	975	2251.76	10.20	-379.91	-324.98	-44.74	135.69	13.11	-5.66	-3.41	10.85	-6.10
		20	2168.27	5.29	-392.08	-330.59	-56.20	143.71	12.71	-2.24	-0.70	11.16	-4.55
		1107	2258.28	-4.86	-458.54	-407.20	-56.20	143.71	8.98	-3.86	-1.33	6.45	-5.10
		1100	2307.85	1.00	-447.33	-401.59	-44.74	135.69	9.43	-7.33	-4.04	6.14	-6.65
887	10	975	2262.78	10.99	-387.79	-332.15	-44.65	138.17	13.06	-5.71	-3.49	10.84	-6.06
		20	2189.91	5.20	-402.11	-338.76	-58.15	147.61	12.62	-2.25	-0.74	11.11	-4.48
		1107	2292.83	-5.28	-470.31	-417.45	-58.15	147.61	8.92	-3.87	-1.37	6.43	-5.06
		1100	2330.89	1.63	-457.12	-410.84	-44.65	138.17	9.41	-7.38	-4.13	6.16	-6.63
887	11	975	2260.42	10.39	-382.44	-327.29	-44.76	136.46	13.13	-5.68	-3.42	10.86	-6.12
		20	2179.96	5.25	-395.17	-333.16	-56.75	144.86	12.73	-2.26	-0.71	11.18	-4.57
		1107	2272.00	-4.97	-461.95	-410.16	-56.75	144.86	9.00	-3.87	-1.34	6.47	-5.12
		1100	2318.84	1.17	-450.22	-404.29	-44.76	136.46	9.45	-7.34	-4.05	6.15	-6.67
888	1	1110	3365.81	-4.84	-677.66	-608.04	-74.47	204.93	13.84	-5.96	-1.93	9.82	-7.96
		1071	3499.16	-2.60	-673.54	-605.95	-70.20	201.95	14.44	-11.51	-6.39	9.32	-10.33
		976	3411.46	10.88	-573.21	-492.13	-70.20	201.95	19.52	-9.03	-5.40	15.88	-9.52
		171	3215.47	8.99	-577.68	-494.22	-74.47	204.93	18.95	-3.52	-0.94	16.37	-7.16
888	2	1110	3566.83	-8.11	-763.67	-679.53	-92.25	237.68	12.73	-5.95	-2.52	9.29	-7.24
		1071	3716.60	6.77	-736.08	-665.57	-63.74	217.73	13.87	-11.65	-7.16	9.38	-9.72
		976	3679.22	16.29	-656.13	-576.10	-63.74	217.73	18.56	-9.19	-6.19	15.57	-8.61
		171	3366.84	3.00	-685.32	-590.06	-92.25	237.68	17.45	-3.52	-1.55	15.47	-6.13
888	3	1110	3461.36	-5.97	-710.03	-635.95	-80.05	216.03	13.66	-6.00	-2.08	9.75	-7.85
		1071	3557.30	-0.35	-699.70	-630.71	-69.34	208.54	14.37	-11.64	-6.63	9.36	-10.26
		976	3443.22	12.80	-598.79	-516.65	-69.34	208.54	19.37	-9.16	-5.63	15.84	-9.39
		171	3285.95	8.02	-609.96	-521.89	-80.05	216.03	18.70	-3.55	-1.09	16.23	-6.98
888	4	1110	3435.17	-5.70	-702.14	-629.56	-78.27	212.79	13.69	-5.97	-2.03	9.75	-7.87
		1071	3544.66	-1.36	-694.18	-625.52	-70.02	207.01	14.39	-11.60	-6.56	9.36	-10.28
		976	3431.85	12.46	-589.58	-507.10	-70.02	207.01	19.40	-9.11	-5.57	15.86	-9.41
		171	3257.19	8.81	-598.23	-511.14	-78.27	212.79	18.73	-3.52	-1.04	16.25	-7.00
888	5	1110	3380.00	-5.13	-683.23	-612.83	-75.52	206.83	13.78	-5.95	-1.96	9.79	-7.93
		1071	3504.37	-2.09	-677.64	-610.00	-69.74	202.78	14.42	-11.50	-6.41	9.33	-10.30
		976	3410.51	11.39	-576.61	-495.48	-69.74	202.78	19.47	-9.03	-5.42	15.86	-9.47
		171	3223.43	8.83	-582.67	-498.31	-75.52	206.83	18.87	-3.51	-0.97	16.33	-7.11
888	6	1110	3354.38	-4.72	-674.73	-605.60	-73.85	203.81	13.83	-5.94	-1.92	9.81	-7.96
		1071	3492.37	-2.93	-671.42	-603.93	-70.42	201.41	14.44	-11.49	-6.37	9.32	-10.32
		976	3405.40	10.72	-570.34	-489.20	-70.42	201.41	19.51	-9.02	-5.38	15.87	-9.51
		171	3203.58	9.21	-573.94	-490.88	-73.85	203.81	18.94	-3.50	-0.93	16.37	-7.15
888	7	1110	3368.82	-4.89	-677.08	-607.86	-74.11	204.30	13.90	-5.96	-1.90	9.85	-8.00
		1071	3504.28	-2.91	-673.45	-606.01	-70.35	201.67	14.48	-11.50	-6.34	9.32	-10.36
		976	3415.79	11.11	-569.65	-488.20	-70.35	201.67	19.57	-9.03	-5.35	15.90	-9.57
		171	3215.91	9.45	-573.61	-490.04	-74.11	204.30	19.03	-3.52	-0.91	16.42	-7.21
888	8	1110	2670.85	-4.58	-546.88	-489.81	-61.65	166.42	10.62	-4.62	-1.60	7.60	-6.08
		1071	2747.22	-0.28	-538.97	-485.80	-53.45	160.68	11.24	-8.93	-5.07	7.38	-7.94
		976	2661.26	9.81	-461.55	-398.29	-53.45	160.68	15.18	-6.98	-4.30	12.49	-7.23
		171	2536.67	6.15	-470.10	-402.30	-61.65	166.42	14.58	-2.70	-0.83	12.71	-5.37
888	9	1110	2390.74	-3.56	-483.46	-433.73	-53.29	146.26	9.70	-4.22	-1.39	6.86	-5.61

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		1071	2479.58	-1.67	-479.98	-431.97	-49.68	143.74	10.06	-8.21	-4.59	6.43	-7.29
		976	2412.97	7.95	-408.21	-350.58	-49.68	143.74	13.56	-6.50	-3.89	10.95	-6.75
		171	2280.65	6.35	-411.99	-352.35	-53.29	146.26	13.24	-2.54	-0.69	11.39	-5.07
888	10	1110	2443.93	-4.18	-501.44	-449.24	-56.39	152.42	9.60	-4.25	-1.47	6.82	-5.55
		1071	2512.04	-0.42	-494.51	-445.73	-49.20	147.40	10.02	-8.29	-4.72	6.45	-7.25
		976	2430.88	9.01	-422.42	-364.20	-49.20	147.40	13.48	-6.57	-4.02	10.94	-6.68
		171	2320.05	5.81	-429.92	-367.72	-56.39	152.42	13.09	-2.55	-0.77	11.31	-4.97
888	11	1110	2384.39	-3.49	-481.83	-432.38	-52.94	145.63	9.70	-4.22	-1.38	6.86	-5.61
		1071	2475.79	-1.85	-478.80	-430.84	-49.81	143.44	10.05	-8.21	-4.58	6.43	-7.29
		976	2409.54	7.86	-406.61	-348.95	-49.81	143.44	13.56	-6.49	-3.88	10.95	-6.75
		171	2274.01	6.47	-409.91	-350.49	-52.94	145.63	13.23	-2.53	-0.69	11.39	-5.06
889	1	17	1952.46	-82.20	-351.09	-319.37	-113.91	-86.73	16.16	6.24	6.84	15.55	-2.37
		958	2714.48	64.81	-344.53	-268.90	-10.83	-158.87	7.38	-8.84	-8.51	7.06	-2.27
		1099	2089.39	131.22	-188.51	-46.47	-10.83	-158.87	5.66	-6.85	-4.15	2.96	-5.14
		1111	1617.41	-18.28	-192.58	-96.95	-113.91	-86.73	16.58	6.08	11.20	11.46	-5.25
889	2	17	1886.67	-85.92	-365.46	-330.38	-120.99	-92.60	15.60	4.76	6.71	13.66	-4.16
		958	3031.89	69.89	-359.16	-277.10	-12.18	-168.74	8.34	-10.03	-8.78	7.10	-4.61
		1099	2382.38	136.68	-203.46	-54.61	-12.18	-168.74	6.61	-8.34	-4.62	2.88	-6.46
		1111	1728.54	-21.61	-207.27	-107.89	-120.99	-92.60	16.21	4.10	10.88	9.44	-6.01
889	3	17	1944.27	-82.72	-353.55	-321.29	-114.97	-87.72	16.05	6.10	6.83	15.33	-2.59
		958	2754.86	65.37	-347.03	-270.47	-11.19	-160.34	7.46	-8.97	-8.56	7.06	-2.56
		1099	2127.98	131.92	-190.85	-47.74	-11.19	-160.34	5.76	-7.05	-4.23	2.94	-5.31
		1111	1630.36	-18.66	-194.87	-98.56	-114.97	-87.72	16.53	5.85	11.17	11.22	-5.34
889	4	17	1953.23	-84.57	-359.22	-327.14	-116.65	-88.21	16.01	6.03	6.80	15.24	-2.66
		958	2790.29	67.13	-352.38	-275.03	-10.22	-162.68	7.51	-9.01	-8.59	7.08	-2.62
		1099	2147.12	135.34	-192.04	-46.48	-10.22	-162.68	5.81	-7.06	-4.24	2.99	-5.33
		1111	1635.16	-18.95	-196.29	-98.59	-116.64	-88.21	16.52	5.78	11.15	11.15	-5.37
889	5	17	1954.93	-83.96	-356.79	-325.08	-115.67	-87.44	16.07	6.11	6.81	15.37	-2.54
		958	2761.24	66.49	-349.95	-273.38	-10.08	-161.32	7.46	-8.92	-8.55	7.08	-2.45
		1099	2121.15	134.42	-190.19	-45.69	-10.08	-161.32	5.75	-6.94	-4.19	3.00	-5.23
		1111	1626.77	-18.62	-194.45	-97.40	-115.67	-87.44	16.54	5.91	11.17	11.29	-5.32
889	6	17	1960.81	-83.77	-356.11	-324.53	-115.35	-87.18	16.12	6.18	6.82	15.49	-2.43
		958	2744.34	66.24	-349.26	-272.97	-10.05	-160.87	7.41	-8.87	-8.54	7.08	-2.31
		1099	2104.96	134.13	-189.54	-45.37	-10.05	-160.87	5.69	-6.86	-4.17	3.00	-5.15
		1111	1621.22	-18.47	-193.81	-96.93	-115.34	-87.18	16.57	6.03	11.19	11.41	-5.27
889	7	17	1969.88	-83.72	-355.99	-324.57	-115.15	-87.00	16.19	6.27	6.83	15.63	-2.30
		958	2727.80	66.07	-349.11	-273.07	-9.98	-160.59	7.36	-8.82	-8.53	7.07	-2.15
		1099	2087.41	134.09	-188.99	-44.93	-9.98	-160.59	5.63	-6.77	-4.14	3.00	-5.06
		1111	1615.22	-18.29	-193.29	-96.43	-115.15	-87.00	16.60	6.17	11.21	11.56	-5.21
889	8	17	1526.09	-63.55	-271.81	-246.96	-88.39	-67.50	12.79	4.90	5.43	12.26	-1.98
		958	2129.66	50.19	-266.81	-207.94	-8.69	-123.28	5.91	-6.96	-6.67	5.62	-1.91
		1099	1648.41	101.31	-146.84	-36.84	-8.69	-123.28	4.56	-5.44	-3.24	2.36	-4.15
		1111	1283.93	-14.34	-149.92	-75.87	-88.39	-67.50	13.15	4.70	8.86	9.00	-4.22
889	9	17	1355.18	-58.63	-250.12	-227.60	-81.15	-61.69	11.00	4.21	4.67	10.54	-1.71
		958	1921.51	46.28	-245.42	-191.57	-7.57	-113.17	5.07	-6.23	-5.97	4.81	-1.69
		1099	1475.31	93.64	-134.11	-32.89	-7.57	-113.17	3.89	-4.85	-2.97	2.01	-3.59
		1111	1118.26	-13.04	-137.02	-68.92	-81.15	-61.69	11.31	4.09	7.67	7.73	-3.61
889	10	17	1350.83	-58.92	-251.48	-228.66	-81.74	-62.24	10.94	4.13	4.66	10.41	-1.82
		958	1944.19	46.59	-246.81	-192.45	-7.77	-113.99	5.12	-6.31	-6.00	4.81	-1.85
		1099	1496.76	94.03	-135.41	-33.60	-7.78	-113.99	3.95	-4.96	-3.01	2.00	-3.69
		1111	1125.80	-13.25	-138.30	-69.81	-81.73	-62.24	11.29	3.97	7.65	7.60	-3.66
889	11	17	1359.99	-59.50	-252.90	-230.46	-81.94	-61.94	10.98	4.18	4.66	10.50	-1.74
		958	1938.13	47.07	-248.05	-193.84	-7.14	-114.28	5.09	-6.25	-5.98	4.82	-1.71
		1099	1483.94	95.26	-134.68	-32.28	-7.14	-114.28	3.91	-4.86	-2.98	2.03	-3.60
		1111	1120.51	-13.14	-137.71	-68.91	-81.94	-61.94	11.31	4.06	7.66	7.71	-3.62
890	1	75	5354.20	24.10	-189.39	-5.11	-160.18	73.36	28.02	-27.76	-25.18	25.44	-11.72
		1125	4905.05	19.51	-328.09	-52.23	-256.36	140.67	35.82	-9.23	-9.22	35.80	0.91
		1128	7651.82	-38.69	-347.26	-129.61	-256.34	140.67	75.69	16.94	17.69	74.94	-6.60
		2	7574.22	-38.33	-204.36	-82.49	-160.20	73.36	70.00	-3.68	1.74	64.58	-19.22
890	2	75	5205.50	25.04	-195.61	-5.10	-165.47	75.77	27.22	-26.30	-23.15	24.07	-12.60
		1125	4733.69	20.28	-338.98	-53.81	-264.89	145.36	34.24	-7.44	-7.44	34.24	-0.25
		1128	7462.61	-40.20	-358.92	-134.24	-264.88	145.36	73.14	17.43	18.45	72.11	-7.48
		2	7393.20	-39.84	-211.18	-85.54	-165.49	75.77	67.98	-3.29	2.74	61.94	-19.84
890	3	75	5303.75	23.49	-183.44	-4.72	-155.23	71.00	27.91	-27.51	-24.89	25.29	-11.76
		1125	4844.06	18.99	-318.93	-50.75	-249.19	136.76	35.59	-8.98	-8.97	35.58	0.81
		1128	7595.60	-37.67	-337.61	-126.11	-249.17	136.76	75.35	16.88	17.68	74.54	-6.82
		2	7537.44	-37.32	-198.00	-80.08	-155.24	71.00	69.78	-3.76	1.77	64.25	-19.39
890	4	75	5288.49	23.48	-183.09	-4.52	-155.08	70.72	27.82	-27.42	-24.79	25.20	-11.75
		1125	4839.54	18.90	-321.18	-51.44	-250.84	137.74	35.45	-9.01	-9.00	35.44	0.77
		1128	7600.85	-37.54	-339.78	-126.49	-250.83	137.74	75.36	17.03	17.84	74.54	-6.85
		2	7528.95	-37.17	-197.50	-79.58	-155.09	70.72	69.84	-3.48	2.05	64.31	-19.37
890	5	75	5294.84	23.46	-184.79	-4.94	-156.38	71.47	27.83	-27.42	-24.76	25.17	-11.83

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		1125	4838.36	18.92	-322.09	-51.58	-251.58	138.10	35.46	-8.90	-8.89	35.45	0.72
		1128	7591.70	-37.59	-340.70	-126.72	-251.57	138.10	75.21	16.99	17.81	74.39	-6.85
		2	7526.08	-37.22	-199.26	-80.08	-156.40	71.47	69.67	-3.62	1.93	64.12	-19.39
890	6	75	5353.41	23.89	-189.61	-5.36	-160.37	73.40	28.00	-27.76	-25.18	25.42	-11.72
		1125	4905.57	19.29	-328.99	-52.70	-256.99	141.03	35.80	-9.23	-9.21	35.78	0.91
		1128	7654.17	-38.32	-347.95	-129.29	-256.98	141.03	75.69	16.96	17.70	74.94	-6.59
		2	7574.70	-37.94	-204.39	-81.95	-160.38	73.40	69.99	-3.67	1.74	64.57	-19.22
890	7	75	5306.69	23.26	-182.55	-4.73	-154.56	70.55	27.92	-27.59	-25.00	25.34	-11.69
		1125	4855.71	18.73	-319.34	-51.20	-249.41	136.93	35.64	-9.16	-9.14	35.62	0.88
		1128	7614.20	-37.22	-337.77	-125.59	-249.40	136.93	75.57	16.95	17.74	74.78	-6.74
		2	7545.70	-36.85	-196.85	-79.12	-154.58	70.55	69.98	-3.60	1.87	64.50	-19.31
890	8	75	4205.88	18.25	-142.03	-3.55	-120.23	54.95	22.21	-21.89	-19.83	20.15	-9.31
		1125	3837.09	14.75	-247.49	-39.38	-193.36	106.14	28.33	-7.20	-7.18	28.32	0.68
		1128	6026.96	-29.25	-262.00	-97.90	-193.35	106.14	59.99	13.38	14.02	59.35	-5.42
		2	5987.90	-28.98	-153.33	-62.07	-120.24	54.95	55.56	-3.01	1.37	51.18	-15.41
890	9	75	3661.66	16.81	-132.57	-3.65	-112.11	51.36	19.10	-18.90	-17.11	17.31	-8.05
		1125	3357.87	13.61	-229.38	-36.54	-179.23	98.34	24.39	-6.23	-6.22	24.38	0.57
		1128	5232.06	-27.00	-242.76	-90.54	-179.22	98.34	51.57	11.60	12.12	51.06	-4.52
		2	5173.19	-26.75	-143.02	-57.66	-112.12	51.36	47.69	-2.49	1.23	43.98	-13.14
890	10	75	3633.67	16.47	-129.27	-3.44	-109.35	50.05	19.04	-18.76	-16.95	17.22	-8.07
		1125	3324.00	13.33	-224.29	-35.72	-175.25	96.17	24.27	-6.09	-6.08	24.26	0.51
		1128	5200.88	-26.44	-237.39	-88.60	-175.24	96.17	51.38	11.57	12.12	50.83	-4.65
		2	5152.79	-26.19	-139.49	-56.32	-109.36	50.05	47.57	-2.53	1.25	43.80	-13.23
890	11	75	3661.23	16.69	-132.69	-3.79	-112.21	51.39	19.09	-18.90	-17.11	17.30	-8.05
		1125	3358.17	13.49	-229.88	-36.80	-179.58	98.54	24.39	-6.23	-6.22	24.38	0.57
		1128	5233.37	-26.80	-243.14	-90.36	-179.57	98.54	51.57	11.61	12.13	51.05	-4.52
		2	5173.46	-26.54	-143.04	-57.36	-112.22	51.39	47.69	-2.49	1.23	43.97	-13.14
891	1	2	2784.24	34.91	-276.50	-77.73	-163.86	149.63	6.96	-14.75	-11.90	4.11	-7.33
		1128	3004.32	34.76	-461.45	-138.60	-288.09	236.58	25.52	10.84	17.15	19.22	7.27
		1129	3048.08	22.84	-468.09	-157.17	-288.07	236.58	15.48	-4.01	0.44	11.03	8.18
		6	3270.44	23.30	-283.49	-96.31	-163.88	149.63	-2.50	-30.19	-28.61	-4.07	-6.42
891	2	2	2884.61	36.12	-292.74	-82.75	-173.87	157.99	4.03	-17.06	-11.07	-1.96	-9.51
		1128	3070.81	35.97	-471.25	-141.50	-293.78	241.91	24.76	10.23	20.31	14.68	6.70
		1129	2943.59	23.91	-477.98	-160.31	-293.76	241.91	15.40	-0.20	5.71	9.49	7.57
		6	3265.04	24.35	-299.80	-101.56	-173.89	157.99	-3.74	-29.07	-25.67	-7.14	-8.64
891	3	2	2770.38	33.91	-270.22	-76.05	-160.25	146.12	6.47	-15.11	-11.80	3.16	-7.77
		1128	2939.88	33.77	-447.29	-134.32	-279.19	229.36	25.12	10.96	17.59	18.49	7.07
		1129	2938.82	22.31	-453.67	-152.19	-279.17	229.36	15.34	-3.17	1.27	10.89	7.90
		6	3261.56	22.74	-276.93	-93.92	-160.27	146.12	-2.55	-30.00	-28.12	-4.43	-6.94
891	4	2	2712.14	34.04	-264.24	-74.91	-155.29	143.62	6.48	-14.66	-11.44	3.26	-7.60
		1128	2898.68	33.86	-444.46	-134.23	-276.36	228.36	24.70	10.89	17.36	18.23	6.89
		1129	2900.24	22.56	-450.81	-151.91	-276.34	228.36	14.66	-3.38	0.93	10.35	7.69
		6	3203.72	23.05	-270.95	-92.59	-155.31	143.62	-2.78	-29.70	-27.86	-4.62	-6.79
891	5	2	2733.79	34.26	-265.30	-74.89	-156.15	144.17	6.27	-15.02	-11.65	2.90	-7.77
		1128	2935.07	34.10	-448.46	-135.18	-279.19	230.28	24.91	10.88	17.60	18.18	7.01
		1129	2951.57	22.22	-455.12	-153.73	-279.17	230.28	15.14	-3.22	1.37	10.54	7.96
		6	3204.94	22.73	-272.35	-93.45	-156.17	144.17	-2.88	-29.74	-27.88	-4.74	-6.82
891	6	2	2757.20	35.05	-269.51	-75.87	-158.59	146.56	6.97	-14.72	-11.89	4.14	-7.30
		1128	3005.48	34.88	-460.50	-138.73	-286.89	236.35	25.55	10.84	17.16	19.23	7.28
		1129	3046.33	22.48	-467.45	-158.10	-286.87	236.35	15.45	-4.03	0.40	11.01	8.17
		6	3253.53	23.01	-276.87	-95.25	-158.61	146.56	-2.50	-30.22	-28.65	-4.08	-6.42
891	7	2	2715.26	33.91	-261.26	-73.87	-153.48	142.11	6.77	-14.67	-11.66	3.76	-7.45
		1128	2910.36	33.74	-443.59	-133.88	-275.97	227.84	24.97	10.86	17.12	18.72	7.01
		1129	2936.40	22.14	-450.10	-152.02	-275.95	227.84	14.94	-3.77	0.55	10.62	7.89
		6	3209.02	22.65	-268.15	-92.01	-153.50	142.11	-2.65	-29.91	-28.23	-4.34	-6.57
891	8	2	2188.60	26.29	-209.91	-59.10	-124.52	113.48	5.22	-12.01	-9.40	2.62	-6.17
		1128	2307.80	26.19	-346.86	-104.16	-216.51	177.86	19.97	8.74	13.93	14.78	5.60
		1129	2307.11	17.36	-351.78	-117.92	-216.50	177.86	12.20	-2.57	0.93	8.69	6.29
		6	2583.29	17.69	-215.08	-72.85	-124.54	113.48	-1.99	-23.87	-22.39	-3.47	-5.49
891	9	2	1910.37	24.42	-192.69	-54.19	-114.08	104.34	4.62	-10.09	-8.09	2.62	-5.05
		1128	2073.09	24.32	-322.39	-96.87	-201.20	165.32	17.36	7.39	11.80	12.96	4.95
		1129	2098.83	15.92	-327.07	-109.96	-201.19	165.32	10.51	-2.61	0.44	7.46	5.55
		6	2238.83	16.25	-197.62	-67.28	-114.09	104.34	-1.76	-20.56	-19.44	-2.88	-4.45
891	10	2	1903.21	23.87	-189.19	-53.25	-112.07	102.39	4.36	-10.29	-8.03	2.09	-5.30
		1128	2037.53	23.77	-314.52	-94.50	-196.26	161.31	17.15	7.45	12.04	12.55	4.84
		1129	2038.31	15.63	-319.06	-107.19	-196.25	161.31	10.44	-2.15	0.91	7.38	5.39
		6	2234.42	15.94	-193.97	-65.95	-112.09	102.39	-1.78	-20.46	-19.17	-3.08	-4.74
891	11	2	1895.30	24.50	-188.80	-53.15	-111.15	102.63	4.63	-10.07	-8.08	2.63	-5.03
		1128	2073.68	24.38	-321.86	-96.95	-200.54	165.19	17.38	7.39	11.80	12.97	4.96
		1129	2097.80	15.72	-326.72	-110.48	-200.52	165.19	10.50	-2.63	0.42	7.45	5.54
		6	2229.32	16.09	-193.94	-66.69	-111.16	102.63	-1.76	-20.58	-19.46	-2.88	-4.45
892	1	6	843.31	-45.58	-173.05	-111.95	-106.68	63.68	1.98	-4.43	-4.36	1.91	-0.64

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		1129	917.23	-45.72	-176.76	-113.22	-109.26	65.49	1.92	-5.61	-5.46	1.76	-1.06
		1130	886.15	7.70	-145.93	-28.97	-109.26	65.49	2.37	-3.80	-3.75	2.32	0.56
		10	795.71	7.74	-142.12	-27.70	-106.68	63.68	2.64	-2.83	-2.65	2.46	0.98
892	2	6	1079.54	-47.97	-188.19	-115.35	-120.81	70.05	-0.68	-7.80	-4.46	-4.01	-3.55
		1129	822.47	-48.32	-204.12	-120.70	-131.74	77.70	3.83	0.43	3.50	0.76	1.01
		1130	987.15	4.64	-176.01	-39.64	-131.74	77.70	5.22	0.71	3.34	2.59	2.23
		10	1008.11	4.79	-159.88	-34.28	-120.81	70.05	-0.77	-6.04	-4.62	-2.18	-2.34
892	3	6	751.84	-43.99	-160.99	-107.30	-97.69	58.30	0.15	-4.93	-4.40	-0.39	-1.55
		1129	753.95	-44.38	-169.55	-110.24	-103.69	62.50	0.70	-3.94	-3.77	0.53	-0.87
		1130	739.21	8.28	-138.57	-26.61	-103.69	62.50	2.71	-1.32	-1.20	2.59	0.69
		10	718.94	8.37	-129.74	-23.68	-97.69	58.30	1.67	-1.82	-1.82	1.67	7.80e-03
892	4	6	952.92	-45.71	-208.59	-114.61	-139.69	80.47	0.27	-4.52	-3.97	-0.28	-1.54
		1129	903.47	-45.59	-196.67	-110.65	-131.60	74.81	0.59	-4.46	-4.10	0.22	-1.31
		1130	821.47	0.93	-173.83	-41.30	-131.60	74.81	1.81	-1.72	-1.66	1.75	0.45
		10	842.23	0.82	-185.77	-45.26	-139.68	80.47	1.26	-1.55	-1.54	1.24	0.22
892	5	6	1020.21	-45.52	-223.39	-117.49	-151.42	87.30	0.60	-4.59	-4.22	0.23	-1.33
		1129	926.84	-45.42	-208.59	-112.59	-141.41	80.30	1.16	-3.79	-3.66	1.02	-0.80
		1130	884.52	-0.37	-187.13	-46.09	-141.42	80.30	2.33	-2.06	-1.91	2.18	0.78
		10	943.72	-0.49	-201.91	-50.99	-151.42	87.30	1.40	-2.49	-2.48	1.39	0.24
892	6	6	1076.32	-46.35	-233.57	-121.50	-158.41	91.77	1.79	-4.48	-4.39	1.71	-0.71
		1129	1071.59	-46.22	-213.21	-114.76	-144.66	82.15	1.77	-5.59	-5.43	1.61	-1.08
		1130	1009.10	-0.39	-191.43	-47.16	-144.66	82.15	2.36	-3.64	-3.59	2.31	0.55
		10	1003.97	-0.55	-211.76	-53.89	-158.41	91.77	2.57	-2.72	-2.55	2.41	0.92
892	7	6	994.36	-45.27	-218.71	-116.21	-147.76	85.27	0.90	-4.37	-4.12	0.65	-1.12
		1129	978.91	-45.13	-200.83	-110.29	-135.66	76.81	1.01	-5.23	-4.94	0.73	-1.31
		1130	901.42	0.13	-179.11	-43.31	-135.67	76.81	1.95	-2.69	-2.66	1.91	0.39
		10	904.09	-0.02	-196.98	-49.24	-147.76	85.27	1.92	-1.92	-1.83	1.83	0.58
892	8	6	586.91	-33.74	-120.24	-82.51	-71.48	42.90	0.11	-3.94	-3.53	-0.30	-1.22
		1129	591.23	-34.15	-127.81	-85.13	-76.83	46.65	0.53	-3.23	-3.09	0.40	-0.70
		1130	565.72	7.14	-102.75	-18.78	-76.83	46.65	2.18	-1.06	-0.96	2.08	0.55
		10	542.32	7.23	-94.86	-16.15	-71.48	42.90	1.38	-1.40	-1.40	1.38	0.04
892	9	6	591.60	-32.24	-128.64	-79.40	-81.47	48.19	1.15	-3.01	-2.94	1.08	-0.54
		1129	633.58	-32.25	-129.24	-79.61	-81.89	48.48	1.20	-3.61	-3.50	1.09	-0.72
		1130	616.56	4.22	-109.19	-23.08	-81.89	48.48	1.58	-2.36	-2.32	1.54	0.38
		10	570.46	4.23	-108.57	-22.87	-81.47	48.19	1.63	-1.85	-1.76	1.54	0.55
892	10	6	560.12	-31.44	-121.85	-76.82	-76.48	45.20	0.16	-3.31	-2.96	-0.19	-1.05
		1129	536.19	-31.54	-125.20	-77.95	-78.79	46.82	0.52	-2.68	-2.56	0.40	-0.61
		1130	538.88	4.54	-105.10	-21.77	-78.79	46.82	1.77	-0.98	-0.90	1.69	0.45
		10	533.98	4.58	-101.69	-20.63	-76.48	45.20	1.10	-1.30	-1.30	1.10	0.01
892	11	6	740.57	-32.40	-162.52	-84.71	-110.21	63.80	1.05	-3.04	-2.95	0.97	-0.58
		1129	728.19	-32.32	-149.70	-80.47	-101.55	57.74	1.12	-3.59	-3.48	1.00	-0.73
		1130	688.08	-0.27	-134.47	-33.18	-101.56	57.74	1.58	-2.27	-2.23	1.54	0.37
		10	691.28	-0.37	-147.27	-37.42	-110.21	63.80	1.59	-1.79	-1.71	1.51	0.52
893	1	10	701.02	21.68	-81.78	-20.64	-39.46	50.87	4.22	0.09	2.01	2.31	2.06
		1130	537.99	21.71	-77.55	-19.24	-36.59	48.87	-0.29	-3.26	-3.07	-0.48	-0.72
		1131	466.53	11.35	-86.40	-38.47	-36.59	48.87	-0.40	-2.22	-1.87	-0.75	-0.72
		14	707.65	11.21	-90.53	-39.87	-39.46	50.87	4.76	0.48	3.21	2.03	2.06
893	2	10	670.33	26.08	-124.15	-28.97	-69.11	72.39	2.58	0.02	0.50	2.10	0.99
		1130	1011.18	26.06	-133.27	-31.97	-75.24	76.67	6.72	1.34	4.39	3.66	2.66
		1131	820.44	9.32	-144.77	-60.21	-75.24	76.67	2.26	-1.11	-0.09	1.24	1.55
		14	715.98	9.47	-135.79	-57.21	-69.11	72.39	-0.32	-3.99	-3.68	-0.32	-0.12
893	3	10	611.89	20.73	-69.93	-17.80	-31.40	44.82	3.07	-0.83	2.42	-0.17	1.46
		1130	361.48	20.82	-62.19	-15.23	-26.15	41.14	-0.32	-1.76	-0.32	-1.76	-0.09
		1131	389.19	11.51	-71.10	-33.44	-26.15	41.14	-0.04	-2.15	-0.09	-2.10	-0.32
		14	572.38	11.17	-78.58	-36.01	-31.40	44.82	3.07	-0.94	2.65	-0.51	1.23
893	4	10	833.34	27.04	-139.39	-35.23	-77.12	80.54	2.98	-0.19	2.30	0.49	1.30
		1130	686.73	27.03	-147.66	-37.95	-82.68	84.43	-0.06	-0.87	-0.06	-0.87	-7.09e-03
		1131	680.14	12.77	-157.36	-61.91	-82.68	84.43	0.44	-0.90	0.40	-0.86	-0.24
		14	785.33	12.89	-149.19	-59.18	-77.12	80.54	3.18	0.07	2.76	0.49	1.07
893	5	10	889.28	27.98	-149.15	-38.99	-82.19	85.89	3.49	0.17	1.96	1.71	1.65
		1130	725.09	27.94	-163.92	-43.86	-92.12	92.85	0.03	-0.86	-0.86	0.03	0.03
		1131	744.86	14.12	-173.26	-67.01	-92.12	92.85	-0.34	-1.01	-0.85	-0.50	-0.29
		14	840.57	14.31	-158.64	-62.15	-82.19	85.89	2.98	0.18	1.98	1.17	1.34
893	6	10	943.24	28.31	-151.17	-40.36	-82.51	87.23	4.07	0.11	1.99	2.20	1.98
		1130	849.98	28.27	-166.32	-45.35	-92.70	94.37	-0.28	-2.96	-2.80	-0.44	-0.64
		1131	810.95	15.14	-175.28	-67.45	-92.70	94.37	-0.34	-2.01	-1.68	-0.68	-0.67
		14	944.24	15.33	-160.29	-62.45	-82.51	87.23	4.57	0.50	3.11	1.96	1.95
893	7	10	863.69	27.35	-141.00	-36.86	-76.80	81.77	3.43	0.07	2.30	1.20	1.59
		1130	727.64	27.31	-154.07	-41.17	-85.59	87.93	-0.63	-1.70	-1.45	-0.88	-0.45
		1131	744.14	14.10	-163.14	-63.45	-85.59	87.93	-0.11	-1.35	-0.54	-0.92	-0.59
		14	843.08	14.28	-150.22	-59.14	-76.80	81.77	3.96	0.40	3.20	1.15	1.45
893	8	10	461.03	15.55	-47.59	-11.92	-20.12	31.31	2.47	-0.68	1.93	-0.14	1.19

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		1130	251.41	15.66	-40.13	-9.43	-15.04	27.75	-0.27	-1.43	-0.27	-1.42	-0.06
		1131	285.53	8.92	-47.18	-23.22	-15.04	27.75	-0.09	-1.77	-0.13	-1.73	-0.26
		14	427.95	8.52	-54.35	-25.71	-20.12	31.31	2.43	-0.80	2.08	-0.45	1.00
893	9	10	505.33	16.12	-67.41	-17.32	-33.97	40.92	2.69	0.07	1.40	1.36	1.31
		1130	396.06	16.12	-66.81	-17.13	-33.56	40.64	-0.27	-1.94	-1.81	-0.40	-0.45
		1131	364.63	8.32	-73.00	-31.12	-33.56	40.64	-0.27	-1.30	-1.03	-0.54	-0.46
		14	508.33	8.31	-73.59	-31.31	-33.97	40.92	3.09	0.32	2.18	1.22	1.30
893	10	10	460.85	15.57	-60.80	-15.74	-29.49	37.56	2.08	-0.47	1.63	-0.02	0.97
		1130	302.55	15.59	-58.24	-14.90	-27.76	36.35	-0.27	-1.13	-0.28	-1.11	-0.10
		1131	313.21	8.31	-64.40	-28.32	-27.76	36.35	4.36e-03	-1.33	-0.04	-1.29	-0.23
		14	436.98	8.23	-66.89	-29.17	-29.49	37.56	2.17	-0.49	1.87	-0.19	0.84
893	11	10	644.43	19.81	-105.97	-28.27	-57.88	61.13	2.61	0.08	1.40	1.30	1.26
		1130	576.22	19.78	-116.15	-31.63	-64.74	65.92	-0.26	-1.77	-1.66	-0.38	-0.40
		1131	558.83	10.53	-122.48	-47.22	-64.73	65.92	-0.23	-1.19	-0.92	-0.50	-0.43
		14	643.48	10.65	-112.40	-43.86	-57.88	61.13	2.98	0.33	2.13	1.18	1.24
894	1	14	780.78	-27.01	-158.22	-57.17	-128.05	55.21	2.40	-1.19	2.29	-1.07	0.62
		1131	590.69	-25.76	-101.44	-38.09	-89.11	27.95	-0.95	-3.97	-1.54	-3.38	-1.20
		1132	810.88	12.26	-96.82	4.56	-89.12	27.95	4.12	-2.70	1.43	-0.01	-3.33
		18	917.72	7.90	-150.47	-14.52	-128.05	55.21	5.89	1.65	5.26	2.29	-1.51
894	2	14	809.89	-29.36	-210.90	-75.44	-164.82	79.00	1.08	-0.35	-0.21	0.93	0.43
		1131	649.84	-28.95	-166.08	-60.57	-134.46	57.76	-3.43e-03	-1.41	-1.39	-0.02	-0.16
		1132	1016.07	9.08	-157.70	-14.16	-134.46	57.76	2.85	-1.78	-0.65	1.72	-1.99
		18	1150.44	7.25	-201.09	-29.03	-164.81	79.00	3.37	-0.16	0.54	2.68	-1.40
894	3	14	761.03	-25.12	-159.68	-54.09	-130.71	55.31	2.99	-0.64	2.95	-0.60	0.38
		1131	555.30	-23.51	-103.81	-35.19	-92.13	28.31	0.52	-2.84	0.17	-2.48	-1.04
		1132	801.00	11.74	-99.85	4.02	-92.14	28.31	4.08	-2.76	1.60	-0.28	-3.29
		18	920.08	7.29	-152.87	-14.88	-130.71	55.31	5.32	0.66	4.38	1.61	-1.87
894	4	14	744.15	-35.45	-157.99	-69.92	-123.52	55.10	2.45	-1.28	2.39	-1.23	0.44
		1131	621.79	-35.33	-124.73	-58.94	-101.11	39.42	0.55	-2.78	0.47	-2.70	-0.50
		1132	859.31	13.20	-114.71	-0.39	-101.12	39.42	4.05	-2.42	1.75	-0.12	-3.10
		18	920.98	11.17	-146.05	-11.37	-123.51	55.10	4.96	0.06	3.67	1.35	-2.16
894	5	14	703.80	-38.19	-159.05	-73.76	-123.48	55.08	2.06	-0.96	1.99	-0.90	0.45
		1131	574.04	-38.11	-120.26	-60.98	-97.39	36.82	-0.49	-3.10	-0.86	-2.73	-0.91
		1132	854.76	14.92	-109.46	2.85	-97.39	36.82	3.93	-2.40	1.32	0.20	-3.11
		18	904.80	12.39	-145.81	-9.94	-123.48	55.08	5.16	1.05	4.18	2.04	-1.75
894	6	14	709.98	-39.76	-154.30	-74.05	-120.01	52.46	2.36	-1.07	2.24	-0.95	0.62
		1131	583.91	-39.69	-112.35	-60.23	-91.81	32.72	-0.84	-3.70	-1.38	-3.17	-1.12
		1132	840.51	16.38	-101.70	6.49	-91.81	32.72	4.05	-2.65	1.36	0.04	-3.28
		18	880.12	13.31	-140.65	-7.33	-120.01	52.46	5.68	1.56	4.98	2.26	-1.55
894	7	14	726.70	-37.54	-151.50	-70.58	-118.46	51.71	2.55	-1.44	2.50	-1.39	0.42
		1131	600.76	-37.43	-112.81	-57.82	-92.42	33.48	-0.06	-3.52	-0.33	-3.25	-0.93
		1132	841.84	15.14	-102.85	4.72	-92.43	33.48	4.31	-2.64	1.86	-0.18	-3.32
		18	894.90	12.40	-138.89	-8.04	-118.46	51.71	5.67	0.70	4.69	1.67	-1.98
894	8	14	588.04	-18.37	-123.08	-40.26	-101.19	42.58	2.37	-0.40	2.33	-0.36	0.32
		1131	420.84	-16.88	-78.19	-25.01	-70.06	20.79	0.40	-2.15	0.10	-1.86	-0.82
		1132	611.60	8.96	-75.54	3.49	-70.06	20.79	3.14	-2.15	1.20	-0.20	-2.55
		18	708.43	5.27	-118.21	-11.76	-101.18	42.58	4.12	0.59	3.42	1.29	-1.41
894	9	14	547.19	-20.69	-111.83	-42.62	-89.89	38.96	1.69	-0.90	1.63	-0.85	0.38
		1131	422.84	-20.08	-74.81	-30.25	-64.64	21.29	-0.50	-2.70	-0.84	-2.36	-0.79
		1132	581.80	8.93	-70.80	2.77	-64.64	21.29	2.94	-1.90	1.09	-0.05	-2.35
		18	648.71	6.20	-105.69	-9.60	-89.89	38.96	4.09	0.94	3.56	1.46	-1.17
894	10	14	535.70	-19.68	-112.60	-40.91	-91.37	39.02	2.02	-0.61	2.00	-0.58	0.24
		1131	403.95	-18.90	-76.05	-28.64	-66.32	21.48	0.33	-2.09	0.11	-1.87	-0.70
		1132	576.48	8.63	-72.48	2.48	-66.32	21.48	2.92	-1.93	1.18	-0.20	-2.32
		18	651.34	5.86	-107.02	-9.80	-91.37	39.02	3.77	0.38	3.07	1.09	-1.37
894	11	14	507.51	-27.72	-109.71	-52.00	-85.43	37.43	1.66	-0.84	1.61	-0.78	0.38
		1131	418.10	-27.66	-81.03	-42.55	-66.14	23.93	-0.44	-2.56	-0.75	-2.25	-0.75
		1132	598.05	11.25	-73.54	3.85	-66.14	23.93	2.89	-1.86	1.05	-0.02	-2.32
		18	628.25	9.21	-100.23	-5.60	-85.42	37.43	3.97	0.88	3.41	1.45	-1.19
895	1	18	3068.23	93.99	-268.74	-14.03	-160.71	165.88	23.22	7.99	9.65	21.56	-4.74
		1132	3335.11	94.04	-246.10	-6.58	-145.49	155.24	21.63	-1.64	2.59	17.40	-8.97
		1121	2913.65	-31.96	-357.72	-244.18	-145.49	155.23	15.67	-4.29	1.29	10.09	-8.96
895	2	1090	2724.45	-34.16	-378.18	-251.64	-160.70	165.89	16.87	5.73	8.35	14.25	-4.73
		18	3259.39	102.78	-346.94	-36.80	-207.36	208.06	21.42	6.27	7.66	20.03	-4.37
		1132	3431.58	102.82	-280.07	-14.80	-162.45	176.64	19.66	-4.10	-0.40	15.96	-8.62
		1121	2936.02	-34.25	-405.79	-277.60	-162.43	176.62	14.58	-4.17	0.39	10.02	-8.04
		1090	2950.09	-40.36	-466.61	-299.61	-207.37	208.08	15.99	6.55	8.44	14.09	-3.78
895	3	18	3108.63	97.51	-274.92	-13.56	-163.84	170.38	23.23	7.76	9.48	21.50	-4.87
		1132	3412.25	97.55	-259.89	-8.62	-153.73	163.33	21.72	-1.76	2.50	17.46	-9.05
		1121	2967.60	-33.51	-375.57	-255.33	-153.74	163.32	15.61	-4.25	1.24	10.13	-8.88
		1090	2751.32	-34.96	-389.14	-260.27	-163.83	170.40	16.75	5.64	8.22	14.17	-4.69
895	4	18	3132.39	91.35	-280.90	-19.68	-169.86	170.31	23.20	7.51	9.32	21.39	-5.01

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		1132	3270.41	91.43	-225.31	-1.37	-132.50	144.16	21.83	-1.69	2.61	17.53	-9.09
		1121	2792.10	-29.75	-334.75	-232.01	-132.49	144.15	15.48	-4.18	1.17	10.13	-8.75
		1090	2730.40	-35.09	-385.10	-250.31	-169.87	170.32	16.52	5.35	7.87	13.99	-4.67
895	5	18	3092.36	92.01	-275.91	-16.82	-167.09	167.91	23.07	7.68	9.37	21.37	-4.82
		1132	3250.99	92.09	-223.69	0.38	-131.98	143.35	21.53	-1.93	2.29	17.31	-9.01
		1121	2798.27	-29.95	-333.35	-231.32	-131.98	143.34	15.56	-4.24	1.19	10.13	-8.83
		1090	2726.34	-35.02	-380.60	-248.52	-167.10	167.93	16.73	5.73	8.27	14.19	-4.64
895	6	18	3068.06	92.59	-268.89	-13.18	-163.12	164.46	23.16	7.89	9.56	21.49	-4.76
		1132	3241.70	92.68	-221.32	2.49	-131.13	142.08	21.57	-1.80	2.43	17.35	-9.00
		1121	2803.96	-30.13	-330.97	-229.98	-131.12	142.07	15.66	-4.27	1.28	10.11	-8.93
		1090	2713.04	-34.82	-373.95	-245.65	-163.12	164.47	16.87	5.80	8.41	14.26	-4.70
895	7	18	3090.17	91.06	-266.82	-14.16	-161.61	163.04	23.47	7.91	9.70	21.68	-4.97
		1132	3256.45	91.14	-220.35	1.15	-130.36	141.19	22.03	-1.41	2.95	17.68	-9.12
		1121	2803.52	-29.74	-328.42	-227.80	-130.36	141.17	15.74	-4.25	1.33	10.15	-8.97
		1090	2702.39	-34.29	-370.43	-243.11	-161.61	163.06	16.82	5.43	8.09	14.15	-4.82
895	8	18	2406.66	75.54	-210.99	-9.92	-125.54	131.08	18.09	6.03	7.34	16.78	-3.75
		1132	2655.36	75.56	-202.85	-7.24	-120.05	127.26	16.89	-1.37	1.90	13.62	-7.01
		1121	2310.36	-26.09	-292.37	-198.39	-120.07	127.25	12.15	-3.33	0.91	7.91	-6.90
		1090	2127.76	-26.87	-299.72	-201.07	-125.52	131.09	13.05	4.37	6.35	11.08	-3.64
895	9	18	2168.12	66.33	-191.83	-10.49	-115.02	118.03	16.28	5.58	6.79	15.06	-3.39
		1132	2338.39	66.36	-171.27	-3.71	-101.19	108.36	15.20	-1.14	1.88	12.18	-6.34
		1121	2038.08	-22.36	-250.11	-171.28	-101.19	108.35	10.98	-2.97	0.96	7.04	-6.28
		1090	1924.12	-24.37	-268.70	-178.05	-115.02	118.03	11.79	4.00	5.88	9.92	-3.33
895	10	18	2190.65	68.28	-195.27	-10.23	-116.76	120.53	16.28	5.45	6.70	15.03	-3.46
		1132	2381.27	68.31	-178.93	-4.85	-105.77	112.85	15.25	-1.21	1.83	12.21	-6.38
		1121	2068.08	-23.22	-260.03	-177.47	-105.78	112.84	10.94	-2.95	0.93	7.06	-6.23
		1090	1939.08	-24.82	-274.79	-182.85	-116.75	120.54	11.73	3.95	5.80	9.88	-3.31
895	11	18	2167.97	65.55	-191.92	-10.01	-116.36	117.24	16.24	5.53	6.75	15.02	-3.40
		1132	2286.39	65.61	-157.50	1.32	-93.21	101.05	15.17	-1.23	1.79	12.15	-6.36
		1121	1977.08	-21.34	-235.26	-163.39	-93.21	101.04	10.97	-2.96	0.95	7.06	-6.26
		1090	1917.70	-24.72	-266.37	-174.72	-116.36	117.25	11.79	4.04	5.91	9.93	-3.31
896	1	169	7076.25	94.88	-443.88	-64.09	-284.91	245.71	61.22	13.35	17.16	57.42	-12.95
		1134	7736.34	94.93	-405.44	-51.43	-259.08	227.63	57.91	-8.04	1.22	48.64	-22.92
		1113	6026.86	-38.73	-494.23	-273.88	-259.08	227.63	40.15	-12.15	-4.98	32.97	-18.00
		255	5407.31	-40.01	-531.44	-286.54	-284.91	245.71	43.72	8.99	10.96	41.75	-8.03
896	2	169	7203.66	112.53	-559.00	-88.52	-357.95	307.56	56.80	10.38	13.68	53.50	-11.93
		1134	7847.60	112.61	-495.99	-67.78	-315.61	277.92	53.33	-11.04	-2.61	44.91	-21.71
		1113	6147.09	-46.03	-602.15	-332.56	-315.62	277.93	38.33	-11.75	-5.64	32.21	-16.39
		255	5653.06	-48.06	-663.19	-353.31	-357.95	307.56	42.19	9.27	10.66	40.80	-6.62
896	3	169	6860.16	105.34	-417.37	-42.35	-269.68	235.35	59.63	12.98	16.50	56.11	-12.31
		1134	7710.58	105.34	-416.73	-42.14	-269.25	235.04	56.01	-9.40	-0.35	46.96	-22.59
		1113	6039.42	-42.76	-513.18	-286.70	-269.24	235.04	39.81	-12.04	-4.96	32.73	-17.80
		255	5279.23	-42.79	-513.80	-286.91	-269.68	235.35	43.67	10.11	11.88	41.89	-7.51
896	4	169	6897.78	92.18	-432.14	-62.51	-277.44	239.12	59.77	12.98	16.52	56.22	-12.39
		1134	7584.65	92.24	-392.74	-49.54	-250.96	220.58	56.21	-9.19	-0.13	47.15	-22.60
		1113	5938.20	-37.60	-479.01	-265.65	-250.97	220.58	39.83	-12.04	-4.97	32.75	-17.80
		255	5322.24	-38.91	-517.15	-278.62	-277.44	239.12	43.63	9.88	11.88	41.82	-7.59
896	5	169	6967.40	93.47	-449.18	-67.65	-288.06	247.93	59.67	12.61	16.22	56.06	-12.54
		1134	7617.60	93.52	-403.99	-52.78	-257.69	226.68	56.27	-8.92	0.08	47.27	-22.49
		1113	5952.55	-38.17	-491.77	-272.24	-257.70	226.68	39.61	-11.98	-5.04	32.68	-17.59
		255	5368.56	-39.65	-535.52	-287.12	-288.05	247.93	43.29	9.28	11.10	41.47	-7.64
896	6	169	7097.22	94.05	-448.12	-66.63	-287.43	247.59	61.31	13.37	17.19	57.49	-12.98
		1134	7740.80	94.11	-405.51	-52.61	-258.80	227.55	58.00	-8.02	1.27	48.72	-22.95
		1113	6031.17	-38.42	-493.74	-273.36	-258.80	227.55	40.20	-12.17	-4.98	33.01	-18.02
		255	5426.44	-39.82	-535.00	-287.39	-287.43	247.59	43.76	8.97	10.94	41.78	-8.05
896	7	169	6912.46	90.44	-430.85	-64.00	-276.41	238.03	59.99	12.97	16.60	56.36	-12.55
		1134	7570.82	90.50	-389.01	-50.22	-248.29	218.34	56.54	-8.74	0.34	47.47	-22.59
		1113	5918.43	-36.92	-473.84	-262.47	-248.29	218.34	39.80	-12.01	-4.95	32.73	-17.78
		255	5316.85	-38.30	-514.36	-276.25	-276.41	238.03	43.48	9.44	11.31	41.62	-7.74
896	8	169	5369.86	82.12	-319.15	-30.68	-206.35	180.39	47.00	10.24	12.99	44.24	-9.68
		1134	6049.33	82.11	-322.54	-31.79	-208.64	181.98	44.14	-7.36	-0.25	37.03	-17.77
		1113	4745.31	-33.32	-397.55	-222.23	-208.64	181.98	31.46	-9.50	-3.90	25.86	-14.06
		255	4133.18	-33.20	-394.27	-221.12	-206.36	180.39	34.49	7.92	9.34	33.08	-5.97
896	9	169	4898.13	66.84	-314.19	-45.68	-201.67	173.82	42.06	9.16	11.77	39.45	-8.89
		1134	5355.96	66.88	-285.75	-36.32	-182.55	160.44	39.75	-5.75	0.65	33.35	-15.82
		1113	4168.62	-27.28	-348.34	-193.07	-182.55	160.44	27.58	-8.36	-3.44	22.66	-12.36
		255	3746.84	-28.23	-375.87	-202.43	-201.66	173.82	30.07	6.36	7.68	28.75	-5.43
896	10	169	4777.84	72.64	-299.45	-33.61	-193.20	168.06	41.17	8.96	11.40	38.73	-8.53
		1134	5341.72	72.66	-292.01	-31.15	-188.20	164.56	38.70	-6.50	-0.22	32.42	-15.63
		1113	4175.68	-29.52	-358.86	-200.18	-188.20	164.56	27.39	-8.30	-3.43	22.52	-12.25
		255	3675.79	-29.79	-366.05	-202.64	-193.20	168.06	30.04	6.98	8.19	28.83	-5.15
896	11	169	4909.78	66.39	-316.55	-47.10	-203.06	174.86	42.11	9.17	11.79	39.49	-8.91

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1134	5358.43	66.43	-285.79	-36.97	-182.39	160.40	39.80	-5.73	0.68	33.40	-15.83
		1113	4171.00	-27.10	-348.06	-192.77	-182.40	160.40	27.60	-8.37	-3.44	22.68	-12.37
		255	3757.46	-28.12	-377.85	-202.90	-203.06	174.86	30.09	6.35	7.67	28.77	-5.45
897	1	178	424.92	14.57	-94.27	-12.46	-67.24	47.02	0.06	-0.92	-0.09	-0.76	-0.36
		1135	1117.78	14.17	-182.46	-41.59	-126.70	88.63	5.84	0.53	4.78	1.58	2.12
		1136	883.39	-4.84	-191.16	-69.31	-126.69	88.63	2.98	0.47	2.19	1.26	1.17
		182	590.20	-4.79	-102.65	-40.18	-67.25	47.02	-0.35	-3.42	-2.69	-1.09	-1.31
897	2	178	637.45	14.74	-98.43	-12.84	-70.84	48.58	1.28	-3.54	1.00	-3.26	-1.13
		1135	1249.25	14.29	-186.41	-41.92	-130.20	90.12	6.45	-1.11	6.12	-0.78	1.56
		1136	906.94	-5.58	-195.37	-70.77	-130.18	90.12	4.08	-0.23	4.06	-0.21	0.33
		182	730.05	-5.55	-107.00	-41.69	-70.86	48.58	0.62	-4.36	-1.06	-2.69	-2.35
897	3	178	485.65	14.37	-97.06	-14.62	-68.07	48.89	-0.38	-2.48	-0.67	-2.19	-0.73
		1135	1205.12	14.09	-180.15	-42.04	-124.02	88.05	6.26	-0.29	5.17	0.80	2.44
		1136	919.56	-2.86	-188.00	-66.85	-124.01	88.05	4.44	1.13	3.63	1.94	1.43
		182	660.20	-2.82	-104.70	-39.44	-68.08	48.89	0.21	-3.46	-2.21	-1.05	-1.74
897	4	178	460.72	14.69	-96.08	-13.09	-68.30	48.01	0.05	-1.80	-0.25	-1.50	-0.68
		1135	1161.14	14.32	-183.34	-41.91	-127.11	89.18	6.15	0.27	5.20	1.22	2.16
		1136	920.18	-4.57	-192.00	-69.47	-127.10	89.18	3.60	0.54	2.86	1.28	1.31
		182	617.53	-4.52	-104.45	-40.66	-68.31	48.01	-0.38	-3.64	-2.59	-1.43	-1.53
897	5	178	425.93	14.56	-94.46	-12.49	-67.40	47.09	0.12	-1.03	-0.04	-0.87	-0.39
		1135	1122.39	14.17	-182.62	-41.61	-126.84	88.69	5.86	0.47	4.86	1.47	2.09
		1136	879.94	-4.85	-191.32	-69.33	-126.83	88.69	2.94	0.47	2.25	1.17	1.11
		182	596.33	-4.80	-102.83	-40.22	-67.41	47.09	-0.35	-3.47	-2.64	-1.18	-1.37
897	6	178	424.51	14.58	-94.26	-12.32	-67.37	46.95	0.06	-0.90	-0.09	-0.75	-0.35
		1135	1118.54	14.17	-182.86	-41.59	-127.11	88.76	5.83	0.53	4.78	1.59	2.12
		1136	882.87	-5.00	-191.62	-69.52	-127.09	88.76	2.97	0.48	2.18	1.27	1.16
		182	590.77	-4.95	-102.68	-40.26	-67.38	46.95	-0.33	-3.42	-2.68	-1.07	-1.31
897	7	178	429.99	14.56	-94.20	-12.60	-67.04	47.08	-0.03	-0.88	-0.22	-0.69	-0.36
		1135	1118.50	14.19	-181.95	-41.58	-126.18	88.48	5.91	0.59	4.77	1.72	2.18
		1136	888.49	-4.65	-190.59	-69.07	-126.17	88.48	3.05	0.45	2.12	1.37	1.24
		182	595.54	-4.60	-102.54	-40.10	-67.05	47.08	-0.37	-3.54	-2.87	-1.04	-1.30
897	8	178	375.48	11.04	-74.90	-11.42	-52.44	37.76	-0.30	-1.97	-0.55	-1.73	-0.59
		1135	936.24	10.84	-138.46	-32.39	-95.23	67.71	4.93	-0.22	4.07	0.64	1.92
		1136	712.45	-2.05	-144.44	-51.26	-95.23	67.71	3.55	0.92	2.90	1.57	1.13
		182	515.86	-2.02	-80.72	-30.29	-52.44	37.76	0.19	-2.71	-1.72	-0.80	-1.38
897	9	178	299.90	10.34	-66.96	-8.87	-47.75	33.40	0.01	-0.72	-0.09	-0.61	-0.26
		1135	791.91	10.06	-129.52	-29.53	-89.93	62.92	4.06	0.31	3.33	1.04	1.49
		1136	626.42	-3.42	-135.68	-49.19	-89.92	62.92	2.11	0.33	1.57	0.87	0.82
		182	416.88	-3.38	-72.90	-28.53	-47.76	33.40	-0.24	-2.39	-1.85	-0.78	-0.93
897	10	178	336.96	10.23	-68.51	-10.07	-48.21	34.44	-0.23	-1.58	-0.41	-1.40	-0.46
		1135	840.44	10.02	-128.23	-29.78	-88.44	62.59	4.29	-0.15	3.54	0.61	1.67
		1136	645.48	-2.32	-133.93	-47.82	-88.43	62.59	2.92	0.70	2.37	1.25	0.96
		182	455.81	-2.29	-74.05	-28.12	-48.22	34.44	0.07	-2.41	-1.59	-0.75	-1.16
897	11	178	299.65	10.35	-66.96	-8.79	-47.82	33.36	0.02	-0.71	-0.09	-0.60	-0.25
		1135	792.34	10.06	-129.74	-29.53	-90.15	62.99	4.06	0.31	3.32	1.04	1.49
		1136	626.13	-3.51	-135.94	-49.31	-90.14	62.99	2.10	0.34	1.56	0.88	0.81
		182	417.19	-3.48	-72.92	-28.57	-47.83	33.36	-0.23	-2.38	-1.85	-0.77	-0.93
898	1	182	516.72	-4.16	-125.93	-59.06	-71.02	60.59	0.18	-0.27	0.10	-0.19	-0.17
		1136	336.89	-2.36	-67.83	-39.37	-30.82	32.46	1.91	0.31	1.58	0.63	0.64
		1137	347.01	12.13	-55.35	-12.39	-30.83	32.46	1.72	0.36	1.26	0.81	0.64
		186	512.33	12.09	-115.19	-32.08	-71.01	60.59	0.09	-0.32	-0.22	-4.91e-03	-0.17
898	2	182	907.70	-3.10	-134.52	-61.07	-76.55	65.25	1.75	-5.36	1.10	-4.71	-2.05
		1136	763.92	-1.56	-73.89	-40.63	-34.82	36.05	5.77	-2.21	5.72	-2.16	0.59
		1137	649.34	11.82	-62.68	-16.04	-34.83	36.05	5.54	-0.50	5.53	-0.49	0.21
		186	884.21	11.75	-124.76	-36.48	-76.54	65.25	2.06	-4.19	0.91	-3.04	-2.42
898	3	182	502.54	-4.99	-122.01	-55.13	-71.87	57.90	4.43e-03	-0.95	-0.01	-0.93	-0.12
		1136	565.78	-4.37	-83.28	-42.19	-45.46	39.42	3.87	-0.02	3.17	0.68	1.50
		1137	527.78	6.90	-75.14	-22.78	-45.46	39.42	2.32	-0.61	1.52	0.18	1.30
		186	514.23	6.87	-114.45	-35.71	-71.86	57.90	-1.20	-1.88	-1.66	-1.43	-0.32
898	4	182	534.08	-4.43	-128.64	-59.15	-73.92	61.67	3.33e-03	-0.62	-0.23	-0.39	-0.30
		1136	478.10	-3.11	-74.06	-40.77	-36.40	35.41	3.53	0.48	2.79	1.22	1.31
		1137	468.83	11.01	-62.84	-15.42	-36.41	35.41	2.78	0.23	1.78	1.23	1.24
		186	548.99	10.99	-118.70	-33.80	-73.91	61.67	-0.24	-1.37	-1.24	-0.38	-0.37
898	5	182	531.09	-4.11	-125.94	-59.03	-71.02	60.62	0.23	-0.66	0.09	-0.52	-0.32
		1136	349.34	-2.33	-68.22	-39.47	-31.09	32.68	2.15	0.20	1.89	0.46	0.66
		1137	359.42	12.08	-55.83	-12.66	-31.10	32.68	1.88	0.36	1.52	0.72	0.65
		186	526.84	12.04	-115.27	-32.22	-71.01	60.62	0.07	-0.61	-0.27	-0.27	-0.34
898	6	182	517.74	-4.01	-125.88	-59.16	-70.74	60.66	0.19	-0.26	0.11	-0.17	-0.17
		1136	333.89	-2.16	-67.75	-39.43	-30.48	32.49	1.88	0.32	1.57	0.63	0.62
		1137	347.04	12.43	-55.08	-12.16	-30.49	32.49	1.70	0.34	1.25	0.79	0.64
		186	509.87	12.39	-115.00	-31.88	-70.73	60.66	0.08	-0.30	-0.21	-9.42e-03	-0.16
898	7	182	512.52	-4.38	-125.62	-58.83	-71.17	60.30	0.09	-0.25	-0.15	-9.81e-03	-0.15

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1136	360.60	-2.68	-68.53	-39.50	-31.71	32.69	2.13	0.41	1.59	0.95	0.80
		1137	370.44	11.83	-56.26	-12.71	-31.72	32.69	1.92	0.28	1.14	1.06	0.82
		186	513.55	11.80	-115.00	-32.04	-71.16	60.30	0.13	-0.62	-0.60	0.10	-0.13
898	8	182	390.06	-3.91	-93.43	-42.13	-55.21	44.28	0.02	-0.80	0.02	-0.79	-0.08
		1136	447.55	-3.48	-64.98	-32.63	-35.83	30.71	3.05	-0.07	2.50	0.48	1.18
		1137	417.51	4.95	-58.96	-18.17	-35.83	30.71	1.81	-0.55	1.20	0.06	1.03
		186	401.11	4.93	-87.81	-27.67	-55.21	44.28	-1.01	-1.49	-1.29	-1.20	-0.23
898	9	182	368.11	-2.96	-89.57	-41.91	-50.63	43.08	0.10	-0.19	0.02	-0.11	-0.13
		1136	248.63	-1.73	-48.63	-28.04	-22.32	23.27	1.46	0.25	1.19	0.53	0.51
		1137	252.45	8.52	-39.88	-9.03	-22.32	23.27	1.26	0.24	0.88	0.62	0.49
		186	368.37	8.50	-82.02	-22.90	-50.62	43.08	0.05	-0.35	-0.29	-0.01	-0.14
898	10	182	351.31	-3.43	-87.39	-39.72	-51.10	41.59	-0.02	-0.55	-0.04	-0.52	-0.10
		1136	374.24	-2.88	-57.17	-29.61	-30.45	27.14	2.55	0.07	2.07	0.56	0.98
		1137	351.85	5.62	-50.88	-14.80	-30.46	27.14	1.59	-0.29	1.03	0.27	0.86
		186	355.33	5.60	-81.61	-24.92	-51.09	41.59	-0.68	-1.21	-1.09	-0.81	-0.23
898	11	182	368.66	-2.88	-89.55	-41.96	-50.47	43.12	0.11	-0.18	0.02	-0.10	-0.13
		1136	246.95	-1.62	-48.58	-28.07	-22.13	23.29	1.45	0.26	1.18	0.53	0.50
		1137	252.47	8.69	-39.73	-8.90	-22.14	23.29	1.25	0.23	0.87	0.61	0.49
		186	366.99	8.66	-81.92	-22.79	-50.46	43.12	0.04	-0.34	-0.28	-0.02	-0.14
899	1	186	563.60	-2.39	-111.89	-22.28	-92.00	42.21	2.11	0.06	1.74	0.43	0.79
		1137	602.93	-3.23	-150.44	-35.23	-118.44	60.72	-0.20	-0.96	-0.42	-0.74	-0.34
		1138	631.49	-17.82	-155.07	-54.45	-118.43	60.72	0.72	-0.60	0.50	-0.38	-0.50
		190	526.65	-17.57	-115.95	-41.50	-92.01	42.21	2.86	0.60	2.66	0.80	0.63
899	2	186	1101.89	0.93	-175.54	-32.42	-142.20	69.08	1.98	-6.18	1.32	-5.51	-2.23
		1137	1443.86	0.19	-208.83	-43.60	-165.03	85.06	7.30	-2.37	7.16	-2.23	1.15
		1138	1170.10	-25.11	-216.74	-76.82	-165.03	85.06	7.31	-0.12	7.22	-0.03	0.82
		190	967.94	-24.94	-182.90	-65.64	-142.20	69.08	2.50	-4.43	1.38	-3.31	-2.56
899	3	186	966.96	5.59	-225.54	-44.14	-175.81	94.98	3.12	0.71	1.52	2.32	1.14
		1137	989.59	5.70	-218.94	-41.93	-171.31	91.82	1.06	-0.67	-0.66	1.05	-0.13
		1138	916.24	-22.74	-228.06	-79.49	-171.31	91.82	0.35	-0.75	-0.72	0.32	-0.18
		190	969.09	-22.76	-234.75	-81.70	-175.81	94.98	2.61	0.43	1.46	1.58	1.09
899	4	186	604.29	-0.97	-130.22	-26.04	-105.14	51.11	2.33	0.13	1.05	1.42	1.08
		1137	672.25	-1.65	-166.33	-38.14	-129.84	68.39	0.75	-0.36	-0.24	0.63	0.34
		1138	669.70	-18.49	-171.84	-60.50	-129.83	68.39	0.41	-0.25	-0.24	0.40	0.08
		190	561.61	-18.32	-135.23	-48.40	-105.15	51.11	1.94	0.29	1.05	1.18	0.82
899	5	186	585.73	-1.88	-119.09	-23.31	-97.67	45.30	1.61	-0.30	1.48	-0.16	0.49
		1137	669.06	-2.70	-156.32	-35.82	-123.20	63.17	0.28	-0.78	0.27	-0.77	-0.09
		1138	630.92	-18.76	-161.41	-56.97	-123.20	63.17	1.22	-0.16	1.21	-0.14	-0.16
		190	536.73	-18.53	-123.60	-44.46	-97.67	45.30	2.50	0.38	2.41	0.47	0.42
899	6	186	557.64	-2.61	-109.65	-21.72	-90.54	41.00	2.13	0.04	1.75	0.41	0.80
		1137	601.87	-3.51	-149.73	-35.20	-118.04	60.24	-0.22	-0.99	-0.44	-0.78	-0.34
		1138	627.74	-18.08	-154.34	-54.39	-118.03	60.24	0.71	-0.63	0.49	-0.40	-0.50
		190	519.98	-17.81	-113.65	-40.92	-90.55	41.00	2.88	0.59	2.68	0.79	0.64
899	7	186	541.99	-2.08	-112.16	-22.34	-91.90	42.66	2.13	0.21	1.38	0.95	0.94
		1137	616.54	-2.89	-150.72	-35.29	-118.32	61.16	-0.12	-0.69	-0.65	-0.16	-0.14
		1138	618.63	-17.65	-155.47	-54.80	-118.32	61.16	0.28	-0.21	0.07	-1.68e-03	-0.24
		190	517.51	-17.42	-116.34	-41.85	-91.90	42.66	2.58	0.63	2.10	1.11	0.84
899	8	186	778.95	4.87	-181.50	-35.47	-141.16	76.75	2.57	0.60	1.25	1.92	0.93
		1137	789.22	5.02	-173.04	-32.64	-135.39	72.71	0.89	-0.55	-0.54	0.89	-0.12
		1138	726.82	-17.84	-180.37	-62.82	-135.39	72.71	0.27	-0.65	-0.63	0.24	-0.16
		190	782.33	-17.86	-188.94	-65.64	-141.16	76.75	2.11	0.34	1.16	1.28	0.88
899	9	186	395.49	-1.60	-80.75	-16.10	-66.25	30.62	1.39	0.07	1.11	0.36	0.55
		1137	430.37	-2.18	-107.86	-25.21	-84.83	43.63	-0.16	-0.55	-0.30	-0.41	-0.19
		1138	448.00	-12.70	-111.22	-39.08	-84.83	43.63	0.43	-0.31	0.29	-0.18	-0.28
		190	370.10	-12.53	-83.70	-29.98	-66.25	30.62	1.86	0.43	1.70	0.59	0.45
899	10	186	619.96	2.82	-143.87	-28.25	-112.81	59.93	1.96	0.42	0.98	1.40	0.74
		1137	647.59	2.78	-145.92	-28.93	-114.21	60.91	0.60	-0.44	-0.44	0.59	-0.07
		1138	606.88	-15.43	-151.77	-52.99	-114.21	60.91	0.23	-0.40	-0.38	0.21	-0.11
		190	617.19	-15.42	-149.69	-52.31	-112.81	59.93	1.73	0.33	1.04	1.02	0.70
899	11	186	392.10	-1.72	-79.51	-15.80	-65.43	29.94	1.40	0.06	1.11	0.35	0.55
		1137	428.55	-2.34	-107.47	-25.19	-84.61	43.36	-0.17	-0.57	-0.31	-0.43	-0.19
		1138	445.88	-12.85	-110.81	-39.05	-84.61	43.36	0.42	-0.33	0.29	-0.19	-0.29
		190	366.24	-12.67	-82.43	-29.66	-65.44	29.94	1.87	0.42	1.71	0.58	0.46
900	1	190	943.56	22.68	-140.16	-52.21	-65.28	81.16	5.51	-0.05	4.90	0.56	1.74
		1138	859.73	24.99	-69.79	-28.31	-16.50	47.02	-1.22	-7.00	-4.44	-3.79	-2.87
		1139	580.33	27.16	-67.14	-23.47	-16.51	47.02	1.75	-2.39	1.56	-2.20	-0.87
		168	1478.71	25.33	-137.96	-47.37	-65.27	81.16	12.27	0.76	10.89	2.15	3.74
900	2	190	951.34	29.60	-199.59	-70.23	-99.75	113.64	3.17	-1.28	3.17	-1.28	-7.28e-04
		1138	845.19	30.26	-156.24	-55.76	-70.22	92.97	3.88	-0.66	3.82	-0.60	0.51
		1139	1023.67	30.86	-155.73	-54.65	-70.22	92.97	5.29	-0.69	4.85	-0.24	1.57
		168	1115.83	30.24	-199.10	-69.11	-99.75	113.64	4.41	-1.13	4.20	-0.92	1.06
900	3	190	1033.59	26.58	-144.69	-65.76	-52.36	85.37	6.36	0.97	4.36	2.97	2.61

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		1138	1149.47	26.47	-146.93	-66.52	-53.93	86.47	-0.79	-8.07	-6.55	-2.31	-2.96
		1139	757.21	37.68	-135.55	-43.95	-53.93	86.47	-0.29	-2.28	-0.93	-1.65	-0.93
		168	1544.48	37.73	-133.26	-43.18	-52.36	85.37	12.43	1.19	9.98	3.63	4.64
900	4	190	1022.61	22.30	-153.26	-57.41	-73.55	87.40	5.86	0.79	4.23	2.42	2.37
		1138	939.04	24.03	-88.64	-35.59	-29.02	56.24	-0.92	-7.54	-5.98	-2.48	-2.81
		1139	533.52	27.07	-85.40	-29.31	-29.02	56.24	-0.05	-2.05	-0.45	-1.65	-0.81
		168	1516.07	25.79	-150.45	-51.12	-73.54	87.40	11.95	1.06	9.76	3.25	4.37
900	5	190	978.91	23.30	-153.35	-55.01	-75.04	87.76	5.26	0.18	4.51	0.93	1.80
		1138	777.31	24.84	-86.06	-32.38	-28.84	55.42	-0.96	-5.46	-3.57	-2.85	-2.22
		1139	540.68	26.07	-84.78	-29.86	-28.85	55.42	1.47	-1.80	1.40	-1.73	-0.46
		168	1419.02	24.72	-152.23	-52.49	-75.03	87.76	10.91	0.62	9.48	2.05	3.56
900	6	190	973.20	22.93	-147.35	-53.24	-71.19	84.67	5.51	-0.08	-4.91	0.51	1.73
		1138	869.79	24.96	-72.47	-27.94	-19.56	48.53	-1.23	-7.03	-4.43	-3.83	-2.88
		1139	589.98	26.30	-70.92	-25.05	-19.57	48.53	1.78	-2.41	1.59	-2.22	-0.87
		168	1501.31	24.55	-146.06	-50.34	-71.18	84.67	12.31	0.76	10.93	2.13	3.74
900	7	190	985.09	21.98	-146.42	-53.34	-71.11	83.73	5.66	0.47	4.54	1.60	2.14
		1138	862.67	23.86	-75.07	-29.26	-21.95	49.33	-1.15	-7.04	-5.17	-3.02	-2.74
		1139	521.56	25.58	-73.14	-25.60	-21.96	49.33	0.68	-2.17	0.42	-1.91	-0.82
		168	1479.98	24.03	-144.80	-49.68	-71.10	83.73	11.91	0.92	10.12	2.71	4.05
900	8	190	807.41	20.90	-110.72	-51.34	-38.48	65.50	5.08	0.79	3.46	2.41	2.08
		1138	916.77	20.56	-117.73	-53.76	-43.41	68.95	-0.60	-6.44	-5.24	-1.81	-2.36
		1139	604.53	29.90	-108.26	-34.94	-43.41	68.95	-0.27	-1.85	-0.80	-1.31	-0.75
		168	1213.36	30.06	-101.07	-32.53	-38.48	65.50	9.86	0.94	7.89	2.90	3.70
900	9	190	667.76	16.04	-101.13	-37.52	-47.57	58.37	3.79	0.06	3.30	0.55	1.26
		1138	599.22	17.57	-51.52	-20.71	-13.24	34.35	-0.84	-4.81	-3.17	-2.48	-1.95
		1139	396.84	19.10	-49.71	-17.36	-13.25	34.35	1.04	-1.58	0.90	-1.45	-0.58
		168	1028.37	17.88	-99.62	-34.17	-47.56	58.37	8.39	0.57	7.38	1.58	2.63
900	10	190	716.59	18.03	-103.48	-45.05	-40.39	60.71	4.27	0.62	3.01	1.89	1.74
		1138	761.23	18.41	-94.39	-41.94	-34.04	56.26	-0.59	-5.41	-4.34	-1.66	-2.00
		1139	496.03	24.94	-87.71	-28.73	-34.04	56.26	-0.11	-1.51	-0.48	-1.14	-0.62
		168	1065.47	24.74	-96.98	-31.85	-40.39	60.71	8.48	0.80	6.87	2.41	3.12
900	11	190	684.04	16.18	-105.13	-38.10	-50.86	60.32	3.79	0.04	3.31	0.52	1.25
		1138	605.02	17.57	-53.02	-20.50	-14.94	35.19	-0.85	-4.82	-3.17	-2.50	-1.96
		1139	402.44	18.63	-51.82	-18.23	-14.95	35.19	1.06	-1.59	0.92	-1.46	-0.59
		168	1041.06	17.45	-104.12	-35.82	-50.85	60.32	8.41	0.57	7.40	1.57	2.62
901	1	168	1645.27	-24.65	-176.77	-43.09	-158.33	49.65	13.10	-0.22	12.03	0.85	3.62
		1139	1764.52	-27.14	-226.03	-60.10	-193.06	73.95	-1.80	-16.88	-7.18	-11.50	-7.22
		1134	3048.67	-22.61	-225.15	-54.70	-193.06	73.95	7.48	-23.25	-5.51	-10.27	-15.18
		169	1660.19	-19.89	-176.14	-37.69	-158.34	49.65	15.14	0.64	13.70	2.08	-4.34
901	2	168	1485.87	-35.44	-245.37	-68.59	-212.21	76.55	11.29	2.13	9.27	4.15	3.80
		1139	1658.34	-37.55	-312.15	-91.24	-258.45	108.91	-0.64	-10.42	-5.17	-5.89	-4.88
		1134	2930.36	-26.21	-309.52	-77.29	-258.44	108.91	4.70	-20.60	-8.03	-7.87	-12.65
		169	1533.16	-23.57	-243.29	-54.64	-212.22	76.55	8.79	-0.22	6.41	2.17	-3.97
901	3	168	1527.99	-40.29	-177.88	-57.84	-160.33	45.90	13.05	0.59	11.40	2.25	4.23
		1139	1794.85	-39.56	-167.16	-54.08	-152.64	40.52	-2.79	-18.25	-9.93	-11.11	-7.71
		1134	2842.54	-14.88	-164.56	-26.80	-152.64	40.52	6.58	-23.79	-7.27	-9.93	-15.13
		169	1548.45	-15.97	-174.92	-30.56	-160.32	45.90	14.94	2.54	14.06	3.42	-3.19
901	4	168	1576.40	-27.23	-178.85	-47.68	-158.40	51.79	12.95	0.51	11.41	2.05	4.10
		1139	1849.61	-29.07	-220.41	-61.95	-187.53	72.18	-2.61	-17.85	-9.41	-11.05	-7.58
		1134	3033.43	-20.93	-218.80	-52.20	-187.53	72.18	6.69	-23.60	-7.00	-9.91	-15.07
		169	1591.11	-18.73	-177.61	-37.93	-158.41	51.79	14.81	2.19	13.81	3.19	-3.40
901	5	168	1576.60	-26.24	-185.68	-47.95	-163.97	54.68	12.63	0.46	11.30	1.80	3.80
		1139	1747.84	-28.40	-237.27	-65.62	-200.05	79.93	-1.91	-15.99	-7.55	-10.36	-6.90
		1134	3008.16	-22.21	-235.97	-58.14	-200.04	79.93	6.67	-22.81	-6.42	-9.72	-14.65
		169	1578.44	-19.74	-184.71	-40.47	-163.98	54.68	13.79	1.07	12.42	2.44	-3.94
901	6	168	1658.74	-24.74	-180.59	-44.55	-160.78	51.91	13.11	-0.25	12.05	0.81	3.61
		1139	1785.45	-27.23	-234.39	-63.06	-198.56	78.35	-1.78	-16.87	-7.13	-11.52	-7.22
		1134	3080.73	-22.74	-233.47	-57.65	-198.56	78.35	7.52	-23.26	-5.47	-10.27	-15.20
		169	1678.80	-20.00	-179.93	-39.14	-160.79	51.91	15.17	0.61	13.72	2.06	-4.37
901	7	168	1583.96	-24.70	-175.70	-44.47	-155.93	50.93	12.84	0.27	11.52	1.59	3.86
		1139	1808.20	-26.88	-224.20	-61.13	-189.94	74.74	-2.27	-17.22	-8.42	-11.07	-7.36
		1134	3029.61	-21.53	-223.11	-54.70	-189.94	74.74	6.92	-23.27	-6.40	-9.95	-14.99
		169	1601.61	-19.08	-174.89	-38.04	-155.94	50.93	14.72	1.53	13.53	2.71	-3.77
901	8	168	1192.23	-32.10	-136.69	-45.35	-123.44	34.79	10.28	0.46	8.97	1.76	3.34
		1139	1415.73	-31.16	-123.79	-40.80	-114.15	28.29	-2.22	-14.43	-7.87	-8.77	-6.09
		1134	2215.33	-10.58	-121.87	-18.31	-114.15	28.29	5.18	-18.72	-5.72	-7.82	-11.91
		169	1211.17	-12.00	-134.30	-22.86	-123.44	34.79	11.81	2.04	11.13	2.72	-2.48
901	9	168	1135.55	-17.68	-125.73	-31.05	-112.36	35.58	9.02	-0.05	8.23	0.74	2.55
		1139	1232.90	-19.39	-160.64	-43.10	-136.94	52.79	-1.33	-11.71	-5.18	-7.86	-5.02
		1134	2116.51	-15.90	-159.95	-38.92	-136.93	52.78	5.06	-16.11	-3.99	-7.05	-10.47
		169	1143.74	-14.00	-125.23	-26.88	-112.36	35.58	10.37	0.59	9.42	1.55	-2.91
901	10	168	1071.17	-26.37	-126.35	-39.25	-113.47	33.50	9.00	0.40	7.88	1.52	2.89

ALLEGATO 1 RISULTATI ANALISI PRO_SAP SCHEMA STATICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
--	--

		1139	1232.83	-26.45	-127.78	-39.75	-114.48	34.21	-1.87	-12.48	-6.71	-7.64	-5.29
		1134	2001.41	-11.99	-125.90	-23.41	-114.48	34.21	4.57	-16.41	-4.97	-6.87	-10.44
		169	1081.94	-11.87	-124.51	-22.92	-113.47	33.50	10.26	1.65	9.61	2.29	-2.27
901	11	168	1143.12	-17.73	-127.86	-31.86	-113.72	36.84	9.03	-0.06	8.25	0.72	2.55
		1139	1247.19	-19.44	-165.29	-44.74	-139.99	55.23	-1.32	-11.71	-5.15	-7.87	-5.01
		1134	2134.35	-15.96	-164.58	-40.56	-139.99	55.23	5.08	-16.11	-3.97	-7.06	-10.48
		169	1154.09	-14.07	-127.34	-27.69	-113.72	36.84	10.39	0.57	9.43	1.54	-2.92
902	1	1104	1403.67	24.89	-15.92	22.61	-13.64	-9.38	8.45	-8.16	-2.81	3.10	-7.76
		1117	1226.67	6.55	-86.13	-6.53	-73.06	32.26	9.79	1.51	3.20	8.09	-3.34
		1135	1683.15	-16.72	-91.57	-35.16	-73.13	32.25	16.66	7.29	7.47	16.47	-1.30
		178	1421.10	0.33	-19.90	-6.01	-13.57	-9.38	14.07	-1.13	1.46	11.48	-5.71
902	2	1104	1440.71	24.10	-15.94	22.03	-13.87	-8.86	8.89	-8.04	-1.85	2.70	-8.15
		1117	1250.55	6.52	-84.15	-6.20	-71.44	31.48	9.96	0.93	3.48	7.41	-4.06
		1135	1625.47	-16.53	-89.53	-34.55	-71.51	31.48	15.94	7.52	7.97	15.49	-1.89
		178	1379.63	-0.43	-19.68	-6.31	-13.80	-8.86	13.95	-0.52	2.64	10.79	-5.98
902	3	1104	1443.01	27.75	-15.95	24.87	-13.07	-10.84	8.47	-8.50	-3.01	2.98	-7.94
		1117	1257.28	7.15	-91.84	-6.88	-77.81	34.53	9.95	1.69	3.46	8.18	-3.39
		1135	1695.92	-18.17	-97.84	-38.13	-77.88	34.52	16.58	7.14	7.30	16.41	-1.23
		178	1439.21	1.65	-21.01	-6.37	-12.99	-10.84	13.79	-1.75	0.84	11.21	-5.78
902	4	1104	1422.34	25.66	-16.06	23.24	-13.64	-9.75	8.52	-8.26	-2.73	2.99	-7.88
		1117	1239.44	6.71	-88.01	-6.67	-74.63	32.99	9.86	1.53	3.38	8.01	-3.47
		1135	1675.92	-17.13	-93.60	-36.03	-74.70	32.98	16.46	7.22	7.44	16.25	-1.40
		178	1423.39	0.61	-20.28	-6.10	-13.57	-9.75	13.92	-1.37	1.32	11.23	-5.82
902	5	1104	1404.45	24.87	-15.92	22.60	-13.64	-9.37	8.46	-8.14	-2.76	3.09	-7.77
		1117	1227.31	6.55	-86.06	-6.51	-73.00	32.23	9.79	1.48	3.21	8.06	-3.37
		1135	1680.38	-16.72	-91.50	-35.15	-73.07	32.23	16.62	7.30	7.49	16.43	-1.33
		178	1419.16	0.29	-19.90	-6.03	-13.57	-9.36	14.06	-1.10	1.51	11.45	-5.72
902	6	1104	1402.87	24.64	-15.91	22.41	-13.67	-9.25	8.45	-8.16	-2.81	3.10	-7.76
		1117	1224.31	6.50	-85.55	-6.47	-72.58	32.03	9.79	1.51	3.20	8.09	-3.34
		1135	1681.33	-16.60	-90.95	-34.91	-72.65	32.03	16.66	7.29	7.47	16.48	-1.29
		178	1420.19	0.19	-19.80	-6.01	-13.60	-9.25	14.07	-1.13	1.46	11.48	-5.71
902	7	1104	1404.00	25.21	-15.95	22.85	-13.59	-9.55	8.42	-8.18	-2.88	3.12	-7.74
		1117	1228.20	6.59	-86.87	-6.60	-73.67	32.55	9.79	1.56	3.21	8.14	-3.30
		1135	1688.29	-16.85	-92.36	-35.47	-73.74	32.54	16.69	7.24	7.41	16.52	-1.27
		178	1427.00	0.51	-20.02	-5.99	-13.52	-9.55	14.06	-1.24	1.32	11.50	-5.71
902	8	1104	1140.33	21.58	-12.27	19.32	-10.01	-8.46	6.70	-6.72	-2.41	2.39	-6.27
		1117	988.03	5.55	-71.13	-5.32	-60.26	26.75	7.87	1.36	2.72	6.51	-2.65
		1135	1345.11	-14.10	-75.80	-29.58	-60.32	26.75	13.22	5.65	5.78	13.09	-0.97
		178	1148.56	1.39	-16.26	-4.93	-9.95	-8.46	11.01	-1.40	0.64	8.97	-4.59
902	9	1104	968.31	17.69	-11.31	16.07	-9.69	-6.67	5.80	-5.63	-1.91	2.08	-5.36
		1117	851.87	4.65	-61.20	-4.64	-51.91	22.92	6.73	1.03	2.23	5.53	-2.33
		1135	1153.93	-11.88	-65.06	-24.99	-51.96	22.92	11.33	4.99	5.12	11.21	-0.88
		178	967.30	0.24	-14.14	-4.27	-9.63	-6.67	9.54	-0.81	0.98	7.76	-3.91
902	10	1104	990.22	19.28	-11.32	17.32	-9.37	-7.48	5.82	-5.82	-2.02	2.01	-5.46
		1117	868.91	4.99	-64.37	-4.83	-54.55	24.18	6.82	1.13	2.38	5.57	-2.36
		1135	1161.00	-12.69	-68.55	-26.64	-54.60	24.18	11.29	4.91	5.02	11.17	-0.85
		178	977.36	0.97	-14.75	-4.47	-9.31	-7.48	9.39	-1.15	0.63	7.61	-3.95
902	11	1104	967.86	17.55	-11.30	15.96	-9.71	-6.60	5.80	-5.63	-1.91	2.08	-5.36
		1117	850.56	4.63	-60.88	-4.61	-51.64	22.79	6.73	1.03	2.23	5.53	-2.33
		1135	1152.91	-11.82	-64.72	-24.84	-51.69	22.79	11.33	4.99	5.12	11.21	-0.88
		178	966.79	0.16	-14.08	-4.27	-9.65	-6.59	9.55	-0.81	0.98	7.76	-3.91
Elem.		Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2	
		1.490e+04	1352.83	-3967.30	-2510.80	-3732.09	-986.73	509.40	-1018.71	-1009.83	-278.73	-392.45	
				1134.97	1027.36	1092.97			473.20	492.03	268.05		

PRO_SAP PROFESSIONAL STRUCTURAL ANALYSIS PROGRAM

*Relazione di calcolo ponte sul Brembiolo n°3
schema sismico
impostata e redatta secondo le modalità previste nel
D.M. 14 Settembre 2005 cap. 10
"Norme per la redazione dei progetti esecutivi"*

2S.I. SOFTWARE E SERVIZI PER L'INGEGNERIA SRL
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D.M. 14/09/05 cap. 10.7.1 Affidabilità dei codici:
www.2si.it/software/Affidabilità.htm

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1. CRITERI DI ANALISI DELLA SICUREZZA

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L'analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici.

L'analisi strutturale è condotta con il metodo dell'analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).

L'analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale.

Le incognite del problema (nell'ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z).

La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

$$\mathbf{K} \cdot \mathbf{u} = \mathbf{F}$$

dove

- \mathbf{K} = matrice di rigidezza
- \mathbf{u} = vettore spostamenti nodali
- \mathbf{F} = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.

Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.

Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

- Elemento tipo **TRUSS** (biella)
- Elemento tipo **BEAM** (trave)
- Elemento tipo **MEMBRANE** (membrana)
- Elemento tipo **PLATE** (piastra-guscio)
- Elemento tipo **BOUNDARY** (molla)
- Elemento tipo **STIFFNESS** (matrice di rigidezza)

I suddetti elementi sono di norma compresi nella libreria prevista dai più diffusi programmi di analisi agli elementi finiti.

2. ORIGINE E CARATTERISTICHE DEL CODICE DI CALCOLO ADOTTATO

Il codice di calcolo adottato è *ALGOR SUPERSAP* prodotto dalla ALGOR INTERACTIVE SYSTEMS, Inc. Pittsburgh, PA, USA.

Il programma *SUPERSAP* applica il metodo degli elementi finiti per strutture di forma qualunque, comunque caricate e vincolate, nell'ambito del comportamento lineare delle stesse.

La risoluzione del sistema $K \cdot u = F$ è condotta con l'algoritmo di Gauss modificato sulla matrice K globale suddivisa in blocchi.

La risoluzione delle equazioni del moto, ed in particolare l'applicazione dell'analisi dinamica prevista per il calcolo in zona sismica è condotta con il metodo dello spettro di risposta.

Si sottolinea che il solutore *ALGOR SUPERSAP* è stato sottoposto, con esito positivo e relativa certificazione, ai test N.A.F.E.M.S. (test di confronto della National Agency for Finite Element Methods and Standards in Inghilterra).

Si sottolinea inoltre che il solutore *ALGOR SUPERSAP* è soggetto ad attività di controllo ai sensi della Q.A. (quality assurance), condizione essenziale per l'utilizzo dei codici di calcolo nell'ambito della progettazione nucleare ed off-shore.

3. MODELLAZIONE DEI MATERIALI

3.1 LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

<i>Young</i>	modulo di elasticità normale
<i>Poisson</i>	coefficiente di contrazione trasversale
<i>G</i>	modulo di elasticità tangenziale
<i>Gamma</i>	peso specifico
<i>Alfa</i>	coefficiente di dilatazione termica

I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	<i>cemento armato</i>	Rck Fctm	resistenza caratteristica cubica resistenza media a trazione semplice
2	<i>acciaio</i>	Ft Fy Fd Fdt Sadm Sadmt	tensione di rottura a trazione tensione di snervamento resistenza di calcolo resistenza di calcolo per spess. t>40 mm tensione ammissibile tensione ammissibile per spess. t>40 mm
3	<i>muratura</i>	Resist. Fk Resist. Fvko	resistenza caratteristica a compressione resistenza caratteristica a taglio
4	<i>legno</i>	Resist. fc0k Resist. ft0k Resist. fmk Resist. fvk Modulo E0,05 Lamellare	Resistenza caratteristica (tensione amm. per REGLES) per compressione Resistenza caratteristica (tensione amm. per REGLES) per trazione Resistenza caratteristica (tensione amm. per REGLES) per flessione Resistenza caratteristica (tensione amm. per REGLES) per taglio Modulo elastico parallelo caratteristico lamellare o massiccio

3.1.1 TABELLA DATI MATERIALI

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		daN/cm2	daN/cm2		daN/cm2	daN/cm3	
1	c.a. classe 30 tipico elevazione		3.122e+05	0.12	1.394e+05	2.50e-03	1.00e-05
	Rck	300.0					
	fctm	26.1					
8	acciaio Fe360		2.100e+06	0.30	8.077e+05	7.85e-03	1.00e-05
	ft	3600.0					
	fy	2350.0					
	fd	2350.0					
	fdt	2100.0					
	sadm	1600.0					
	sadmt	1400.0					
10	acciaio Fe510		2.100e+06	0.30	8.077e+05	7.85e-03	1.00e-05
	ft	5100.0					
	fy	3550.0					
	fd	3550.0					
	fdt	3150.0					
	sadm	2400.0					
	sadmt	2100.0					

4. MODELLAZIONE DELLE SEZIONI

4.1 LEGENDA TABELLA DATI SEZIONI

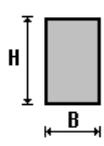
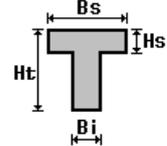
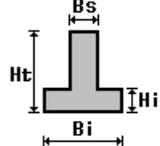
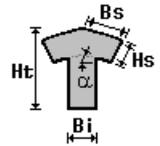
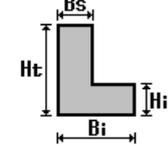
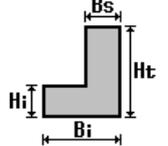
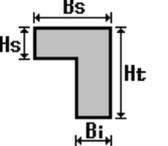
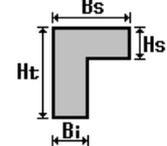
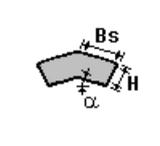
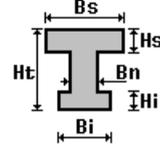
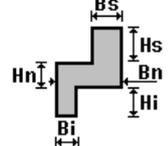
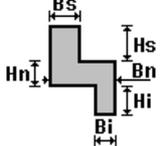
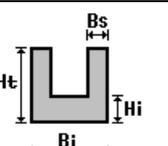
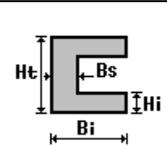
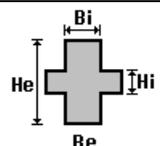
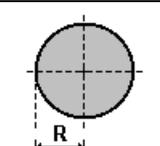
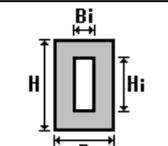
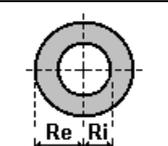
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

- 1 sezione di tipo generico
- 2 profilati semplici
- 3 profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

I dati soprariportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

 rettangolare	 a T	 a T rovescia	 a T di colmo	 a L	 a L specchiata
 a L specchiata rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava

Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilati.

Per quanto concerne le sezioni di tipo generico (tipo 1.):
i valori dimensionali con prefisso B sono riferiti all'asse 2
i valori dimensionali con prefisso H sono riferiti all'asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	VI_160	1.404e+04	0.0	0.0	1.732e+07	5.959e+07	3.811e+07	3.894e+05	4.534e+05	8.378e+05	6.477e+05
2	Appoggio: b=30.00 h =30.00	900.00	0.0	0.0	1.139e+05	6.750e+04	6.750e+04	4500.00	4500.00	6750.00	6750.00
3	Rettangolare: b=60.00 h =60.00	3600.00	0.0	0.0	1.822e+06	1.080e+06	1.080e+06	3.600e+04	3.600e+04	5.400e+04	5.400e+04
4	Traverso: b=50.00 h =165.00	8250.00	0.0	0.0	5.563e+06	1.719e+06	1.872e+07	6.875e+04	2.269e+05	1.031e+05	3.403e+05
5	Trave fittizia: b=1.00 h =1.00	1.00	0.0	0.0	0.14	0.08	0.08	0.17	0.17	0.25	0.25

5. MODELLAZIONE STRUTTURA: NODI

5.1 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

Ogni nodo è individuato dalle coordinate cartesiane nel sistema di riferimento globale (X Y Z).

Ad ogni nodo è eventualmente associato un codice di vincolamento rigido, un codice di fondazione speciale, ed un set di sei molle (tre per le traslazioni, tre per le rotazioni). Le tabelle sottoriportate riflettono le succitate possibilità. In particolare per ogni nodo viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z

Per i nodi ai quali sia associato un codice di vincolamento rigido, un codice di fondazione speciale o un set di molle viene indicato in tabella:

Nodo	numero del nodo.
X	valore della coordinata X
Y	valore della coordinata Y
Z	valore della coordinata Z
Note	eventuale codice di vincolo (es. v=110010 sei valori relativi ai sei gradi di libertà previsti per il nodo TxTyTzRxRyRz, il valore 1 indica che lo spostamento o rotazione relativo è impedito, il valore 0 indica che lo spostamento o rotazione relativo è libero).
Note	(FS = 1, 2,...) eventuale codice del tipo di fondazione speciale (1, 2,... fanno riferimento alle tipologie: plinto, palo, plinto su pali,...) che è collegato al nodo. (ISO = "id SIGLA") indice e sigla identificativa dell' eventuale isolatore sismico assegnato al nodo
Rig. TX	valore della rigidezza dei vincoli elastici eventualmente applicati al nodo, nello specifico TX (idem per TY, TZ, RX, RY, RZ).

Per strutture sismicamente isolate viene inoltre inserita la tabella delle caratteristiche per gli isolatori utilizzati; le caratteristiche sono indicate in conformità al cap.10 dell' OPCM 3274 e smi.

5.1.1 TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	-38.5	105.6	220.0	2	3015.8	-712.8	220.0	3	3145.2	-747.5	220.0
4	6054.6	-1527.1	220.0	5	-167.9	461.2	220.0	6	2886.4	-357.2	220.0
7	3015.8	-391.9	220.0	8	5925.2	-1171.5	220.0	9	-297.2	816.8	220.0
10	2757.0	-1.6	220.0	11	2886.5	-36.3	220.0	12	5795.8	-815.9	220.0
13	-426.6	1172.4	220.0	14	2627.7	354.0	220.0	15	2757.1	319.3	220.0
16	5666.5	-460.3	220.0	17	-556.0	1528.0	220.0	18	2498.3	709.6	220.0
19	2627.7	674.9	220.0	20	5537.1	-104.7	220.0	21	-760.1	3604.5	220.0
22	-38.5	105.6	205.0	23	-38.5	105.6	170.0	24	-454.6	3522.7	220.0
25	3015.8	-712.8	205.0	26	3015.8	-712.8	170.0	27	-149.2	3440.9	220.0
28	3145.2	-747.5	205.0	29	3145.2	-747.5	170.0	30	156.2	3359.0	220.0
31	6054.6	-1527.1	205.0	32	6054.6	-1527.1	170.0	33	461.6	3277.2	220.0
34	-167.9	461.2	205.0	35	-167.9	461.2	170.0	36	767.1	3195.4	220.0
37	2886.4	-357.2	205.0	38	2886.4	-357.2	170.0	39	1072.5	3113.5	220.0
40	3015.8	-391.9	205.0	41	3015.8	-391.9	170.0	42	1377.9	3031.7	220.0
43	5925.2	-1171.5	205.0	44	5925.2	-1171.5	170.0	45	2103.7	2837.2	220.0
46	-297.2	816.8	205.0	47	-297.2	816.8	170.0	48	2394.6	2759.2	220.0
49	2757.0	-1.6	205.0	50	2757.0	-1.6	170.0	51	2685.6	2681.3	220.0
52	2886.5	-36.3	205.0	53	2886.5	-36.3	170.0	54	2976.5	2603.3	220.0
55	5795.8	-815.9	205.0	56	5795.8	-815.9	170.0	57	3267.5	2525.4	220.0
58	-426.6	1172.4	205.0	59	-426.6	1172.4	170.0	60	3558.4	2447.4	220.0
61	2627.7	354.0	205.0	62	2627.7	354.0	170.0	63	3849.3	2369.5	220.0
64	2757.1	319.3	205.0	65	2757.1	319.3	170.0	66	4140.3	2291.5	220.0
67	5666.5	-460.3	205.0	68	5666.5	-460.3	170.0	69	4431.2	2213.5	220.0
70	-556.0	1528.0	205.0	71	-556.0	1528.0	170.0	72	90.9	-250.0	220.0
73	2498.3	709.6	205.0	74	2498.3	709.6	170.0	75	3145.1	-1068.4	220.0

76	2627.7	674.9	205.0	77	2627.7	674.9	170.0	78	3274.6	-1103.1	220.0
79	5537.1	-104.7	205.0	80	5537.1	-104.7	170.0	81	-38.5	105.6	-195.0
82	-167.9	461.2	-195.0	83	2486.0	903.4	-12.5	84	2524.5	797.8	-12.5
85	2524.5	797.8	170.0	86	5925.2	-1171.5	0.0	87	2524.5	797.8	-195.0
88	2692.4	336.6	-195.0	89	2168.5	1536.1	170.0	90	2136.1	1705.2	170.0
91	2103.8	1713.9	170.0	92	2394.9	1314.9	170.0	93	-297.2	816.8	-195.0
94	2427.3	1306.3	170.0	95	2233.1	1358.3	170.0	96	-426.6	1172.4	-195.0
97	-594.5	1633.5	-195.0	98	1748.0	2932.5	-12.5	99	-556.0	1528.0	-195.0
100	2265.5	1349.6	170.0	101	2492.0	1128.5	170.0	102	2297.8	1180.5	170.0
103	2821.7	-19.0	-195.0	104	2006.8	2381.8	170.0	105	2039.2	2373.1	170.0
106	1845.0	2425.1	170.0	107	1877.4	2416.4	170.0	108	2103.9	2195.3	170.0
109	1909.7	2247.3	170.0	110	5174.9	891.0	85.0	111	2563.0	692.2	-195.0
112	-697.8	1917.4	-195.0	113	5174.9	891.0	170.0	114	2136.2	2026.2	170.0
115	2168.6	2017.5	170.0	116	1974.4	2069.5	170.0	117	2006.8	2060.8	170.0
118	5795.8	-815.9	0.0	119	2233.2	1839.7	170.0	120	2039.1	1891.7	170.0
121	2692.4	497.1	170.0	122	1812.7	2754.7	-12.5	123	2724.8	488.4	170.0
124	2660.1	666.2	170.0	125	5174.9	891.0	0.0	126	2498.2	549.1	170.0
127	2530.6	540.4	170.0	128	2465.9	718.2	170.0	129	2757.1	479.8	170.0
130	2563.0	531.8	170.0	131	5666.5	-460.3	0.0	132	4980.9	1424.4	85.0
133	2692.4	336.6	170.0	134	2821.8	302.0	170.0	135	2562.9	371.3	170.0
136	2789.4	310.6	170.0	137	2595.3	362.6	170.0	138	2563.0	692.2	170.0
139	2692.4	657.6	170.0	140	2433.6	726.9	170.0	141	2821.8	141.5	170.0
142	3080.5	-730.2	170.0	143	3209.9	-764.8	170.0	144	2951.1	-695.5	170.0
145	2854.1	132.8	170.0	146	2627.6	193.5	170.0	147	2951.1	-374.6	170.0
148	3080.5	-409.2	170.0	149	2821.7	-339.9	170.0	150	2660.0	184.8	170.0
151	2886.5	124.2	170.0	152	2821.7	-19.0	170.0	153	2951.2	-53.6	170.0
154	2692.3	15.7	170.0	155	2692.3	176.2	170.0	156	2918.8	-45.0	170.0
157	-652.2	1791.9	-195.0	158	3080.5	-730.2	-195.0	159	2951.1	-374.6	-195.0
160	2724.7	7.0	170.0	161	5045.6	1246.6	85.0	162	2951.1	-214.1	170.0
163	2983.5	-222.8	170.0	164	2757.0	-162.1	170.0	165	-1370.9	3768.2	220.0
166	-1241.6	3412.6	220.0	167	-889.4	3960.1	220.0	168	1812.7	2594.2	220.0
169	1683.3	2949.8	220.0	170	396.3	-331.9	220.0	171	-724.1	1990.2	220.0
172	-853.4	2345.8	220.0	173	-982.8	2701.4	220.0	174	-1112.2	3057.0	220.0
175	2789.4	-170.8	170.0	176	1812.7	2754.7	170.0	177	3015.9	-231.4	170.0
178	2330.2	1171.8	220.0	179	2459.6	1137.1	220.0	180	5369.0	357.6	220.0
181	4851.5	1780.0	0.0	182	2200.8	1527.4	220.0	183	2330.3	1492.8	220.0
184	5239.6	713.2	220.0	185	2821.7	-179.4	170.0	186	2071.4	1883.0	220.0
187	2200.9	1848.4	220.0	188	5110.3	1068.8	220.0	189	3048.2	-400.6	170.0
190	1942.1	2238.6	220.0	191	2071.5	2204.0	220.0	192	4980.9	1424.4	220.0
193	2854.0	-348.6	170.0	194	701.7	-413.7	220.0	195	1942.1	2559.6	220.0
196	4851.5	1780.0	220.0	197	4722.1	2135.6	0.0	198	1007.2	-495.6	220.0
199	1812.8	2915.2	220.0	200	4722.1	2135.6	220.0	201	1312.6	-577.4	220.0
202	-724.1	1990.2	205.0	203	-724.1	1990.2	170.0	204	1618.0	-659.2	220.0
205	2330.2	1171.8	205.0	206	2330.2	1171.8	170.0	207	1923.4	-741.1	220.0
208	2459.6	1137.1	205.0	209	2459.6	1137.1	170.0	210	2228.9	-822.9	220.0
211	5369.0	357.6	205.0	212	5369.0	357.6	170.0	213	2534.3	-904.8	220.0
214	-853.4	2345.8	205.0	215	-853.4	2345.8	170.0	216	2839.7	-986.6	220.0
217	2200.8	1527.4	205.0	218	2200.8	1527.4	170.0	219	3565.5	-1181.1	220.0
220	2330.3	1492.8	205.0	221	2330.3	1492.8	170.0	222	3856.4	-1259.0	220.0
223	5239.6	713.2	205.0	224	5239.6	713.2	170.0	225	4147.4	-1337.0	220.0
226	-982.8	2701.4	205.0	227	-982.8	2701.4	170.0	228	4438.3	-1414.9	220.0
229	2071.4	1883.0	205.0	230	2071.4	1883.0	170.0	231	4729.3	-1492.9	220.0
232	2200.9	1848.4	205.0	233	2200.9	1848.4	170.0	234	5020.2	-1570.8	220.0
235	5110.3	1068.8	205.0	236	5110.3	1068.8	170.0	237	5311.1	-1648.8	220.0
238	-1112.2	3057.0	205.0	239	-1112.2	3057.0	170.0	240	5602.1	-1726.8	220.0
241	1942.1	2238.6	205.0	242	1942.1	2238.6	170.0	243	5893.0	-1804.7	220.0
244	2071.5	2204.0	205.0	245	2071.5	2204.0	170.0	246	-1500.3	4123.8	220.0
247	4980.9	1424.4	205.0	248	4980.9	1424.4	170.0	249	3080.5	-569.7	170.0
250	-1241.6	3412.6	205.0	251	-1241.6	3412.6	170.0	252	3112.9	-578.4	170.0
253	1812.7	2594.2	205.0	254	1812.7	2594.2	170.0	255	1554.0	3305.4	220.0
256	1942.1	2559.6	205.0	257	1942.1	2559.6	170.0	258	1683.4	3270.8	220.0
259	4851.5	1780.0	205.0	260	4851.5	1780.0	170.0	261	2886.4	-517.7	170.0
262	-1370.9	3768.2	205.0	263	-1370.9	3768.2	170.0	264	2918.7	-526.4	170.0
265	1683.3	2949.8	205.0	266	1683.3	2949.8	170.0	267	4592.8	2491.2	220.0
268	1812.8	2915.2	205.0	269	1812.8	2915.2	170.0	270	-1194.9	4042.0	220.0
271	4722.1	2135.6	205.0	272	4722.1	2135.6	170.0	273	3145.2	-587.0	170.0
274	2951.1	-535.0	170.0	275	3177.6	-756.2	170.0	276	2983.4	-704.2	170.0
277	2394.9	1154.5	170.0	278	2524.3	1119.8	170.0	279	2265.5	1189.2	170.0
280	2265.5	1510.1	170.0	281	2395.0	1475.4	170.0	282	2136.1	1544.8	170.0
283	5045.6	1246.6	170.0	284	5045.6	1246.6	0.0	285	4851.5	1780.0	85.0
286	4916.2	1602.2	85.0	287	4916.2	1602.2	170.0	288	4916.2	1602.2	0.0
289	4.42e-04	-3.17e-05	220.0	290	2136.2	1865.7	170.0	291	2265.6	1831.0	170.0

292	2006.7	1900.4	170.0	293	2421.2	1081.7	-195.0	294	3054.3	-818.4	220.0
295	3183.7	-853.1	220.0	296	6093.1	-1632.6	220.0	297	-584.0	3878.3	220.0
298	-278.6	3796.5	220.0	299	5796.2	-1621.1	0.0	300	2006.8	2221.3	170.0
301	2136.2	2186.6	170.0	302	1877.4	2256.0	170.0	303	2447.5	1008.9	-195.0
304	1942.1	2399.1	170.0	305	2486.0	903.4	-195.0	306	2071.5	2043.5	-195.0
307	1877.4	2576.9	-12.5	308	1942.1	2399.1	-12.5	309	5666.8	-1265.5	0.0
310	1877.4	2576.9	170.0	311	2006.9	2542.2	170.0	312	1748.0	2611.6	170.0
313	-594.5	1633.5	220.0	314	2459.8	815.1	220.0	315	2589.2	780.5	220.0
316	2466.8	956.1	-195.0	317	5498.6	0.9	220.0	318	4722.1	2135.6	85.0
319	2394.9	1154.5	-195.0	320	1748.0	2932.5	170.0	321	1877.5	2897.8	170.0
322	1618.6	2967.2	170.0	323	4786.8	1957.8	85.0	324	5460.1	106.4	0.0
325	-724.1	1990.2	-195.0	326	-853.4	2345.8	-195.0	327	5537.1	-104.7	0.0
328	5421.6	212.0	0.0	329	6183.9	-1882.7	220.0	330	6054.6	-1527.1	0.0
331	2356.5	1099.0	220.0	332	-982.8	2701.4	-195.0	333	2485.9	1064.4	220.0
334	1748.0	2932.5	-195.0	335	2265.5	1510.1	-195.0	336	-697.8	1917.4	220.0
337	2136.2	1865.7	-195.0	338	-1112.2	3057.0	-195.0	339	-1409.4	3873.8	220.0
340	2006.8	2221.3	-195.0	341	1877.4	2576.9	-195.0	342	1644.8	3055.4	220.0
343	1774.3	3020.7	220.0	344	-1241.6	3412.6	-195.0	345	4683.6	2241.1	220.0
346	2383.6	746.5	-195.0	347	5357.6	-50.4	0.0	348	-633.0	1739.1	-12.5
349	-594.5	1633.5	-12.5	350	-1370.9	3768.2	-195.0	351	-594.5	1633.5	170.0
352	-671.5	1844.6	-12.5	353	5369.0	357.6	0.0	354	5239.6	713.2	0.0
355	-652.2	1791.9	-12.5	356	-652.2	1791.9	170.0	357	-697.8	1917.4	-12.5
358	5110.3	1068.8	0.0	359	-697.8	1917.4	170.0	360	2447.5	1008.9	-12.5
361	2466.8	956.1	-12.5	362	4980.9	1424.4	0.0	363	-633.0	1739.1	170.0
364	-671.5	1844.6	170.0	365	2356.5	1099.0	170.0	366	2421.3	920.7	170.0
367	2615.4	868.7	170.0	368	3119.0	-835.7	-12.5	369	2550.7	886.0	170.0
370	2486.0	903.4	170.0	371	2447.5	1008.9	170.0	372	4786.8	1957.8	170.0
373	4786.8	1957.8	0.0	374	2531.5	938.8	170.0	375	2512.2	991.6	170.0
376	1709.6	3038.1	-12.5	377	2485.9	1064.4	170.0	378	2596.2	921.5	170.0
379	2577.0	974.2	170.0	380	4.42e-04	-3.17e-05	-195.0	381	5395.3	284.8	0.0
382	2466.8	956.1	170.0	383	2421.2	1081.7	-12.5	384	2421.2	1081.7	170.0
385	5460.1	106.4	85.0	386	5498.6	0.9	85.0	387	5498.6	0.9	170.0
388	5421.6	212.0	85.0	389	5440.9	159.2	85.0	390	5440.9	159.2	170.0
391	5395.3	284.8	85.0	392	5395.3	284.8	170.0	393	3119.0	-835.7	-195.0
394	5440.9	159.2	0.0	395	2402.1	973.5	170.0	396	2318.1	1043.6	170.0
397	2382.8	1026.3	170.0	398	6093.1	-1632.6	85.0	399	2291.8	1116.4	170.0
400	4683.6	2241.1	85.0	401	1812.7	2754.7	-195.0	402	4683.6	2241.1	0.0
403	5239.6	713.2	85.0	404	5498.6	0.9	0.0	405	5304.3	535.4	85.0
406	5304.3	535.4	170.0	407	5304.3	535.4	0.0	408	5369.0	357.6	85.0
409	5110.3	1068.8	85.0	410	2459.7	1297.6	170.0	411	6093.1	-1632.6	0.0
412	2200.8	1367.0	170.0	413	2330.3	1653.2	170.0	414	2071.4	1722.6	170.0
415	2200.9	2008.8	170.0	416	-1409.4	3873.8	-195.0	417	1942.0	2078.2	170.0
418	2071.5	2364.4	170.0	419	1812.7	2433.8	170.0	420	1942.2	2720.0	170.0
421	1683.3	2789.4	170.0	422	1877.5	2737.4	170.0	423	1909.8	2728.7	170.0
424	1974.5	2550.9	170.0	425	1845.1	2906.5	170.0	426	1715.7	2780.7	170.0
427	1780.3	2602.9	170.0	428	1651.0	2958.5	170.0	429	1709.6	3038.1	-195.0
430	1748.0	2772.0	170.0	431	2265.6	1670.6	170.0	432	2362.6	1484.1	170.0
433	2297.9	1661.9	170.0	434	4.42e-04	-3.17e-05	170.0	435	1942.1	2399.1	-195.0
436	6093.1	-1632.6	170.0	437	-1409.4	3873.8	170.0	438	4683.6	2241.1	170.0
439	-1409.4	3873.8	-12.5	440	1709.6	3038.1	170.0	441	2550.7	1047.0	170.0
442	2395.1	832.5	170.0	443	2459.8	815.1	170.0	444	4.42e-04	-3.17e-05	-12.5
445	2653.9	763.1	170.0	446	2589.2	780.5	170.0	447	2356.6	938.0	170.0
448	2337.3	990.8	170.0	449	-167.9	461.2	-12.5	450	-103.2	283.4	-12.5
451	-103.2	283.4	170.0	452	-103.2	283.4	-195.0	453	-38.5	105.6	-12.5
454	-297.2	816.8	-12.5	455	-232.5	639.0	-12.5	456	-232.5	639.0	170.0
457	-232.5	639.0	-195.0	458	-426.6	1172.4	-12.5	459	-361.9	994.6	-12.5
460	-361.9	994.6	170.0	461	-361.9	994.6	-195.0	462	-556.0	1528.0	-12.5
463	-491.3	1350.2	-12.5	464	-491.3	1350.2	170.0	465	-491.3	1350.2	-195.0
466	2951.1	-374.6	-12.5	467	3015.8	-552.4	-12.5	468	3015.8	-552.4	170.0
469	3015.8	-552.4	-195.0	470	3080.5	-730.2	-12.5	471	2821.7	-19.0	-12.5
472	2886.4	-196.8	-12.5	473	2886.4	-196.8	170.0	474	2886.4	-196.8	-195.0
475	2563.0	692.2	-12.5	476	2627.7	514.4	-12.5	477	2627.7	514.4	170.0
478	2627.7	514.4	-195.0	479	2692.4	336.6	-12.5	480	2757.1	158.8	-12.5
481	2757.1	158.8	170.0	482	2757.1	158.8	-195.0	483	5925.2	-1171.5	85.0
484	5989.9	-1349.3	85.0	485	5989.9	-1349.3	170.0	486	5989.9	-1349.3	0.0
487	6054.6	-1527.1	85.0	488	5795.8	-815.9	85.0	489	5860.5	-993.7	85.0
490	5860.5	-993.7	170.0	491	5860.5	-993.7	0.0	492	5666.5	-460.3	85.0
493	5731.1	-638.1	85.0	494	5731.1	-638.1	170.0	495	5731.1	-638.1	0.0
496	5537.1	-104.7	85.0	497	5601.8	-282.5	85.0	498	5601.8	-282.5	170.0
499	5601.8	-282.5	0.0	500	-853.4	2345.8	-12.5	501	-788.8	2168.0	-12.5
502	-788.8	2168.0	170.0	503	-788.8	2168.0	-195.0	504	-724.1	1990.2	-12.5
505	-982.8	2701.4	-12.5	506	-918.1	2523.6	-12.5	507	-918.1	2523.6	170.0

508	-918.1	2523.6	-195.0	509	-1112.2	3057.0	-12.5	510	-1047.5	2879.2	-12.5
511	-1047.5	2879.2	170.0	512	-1047.5	2879.2	-195.0	513	-1241.6	3412.6	-12.5
514	-1176.9	3234.8	-12.5	515	-1176.9	3234.8	170.0	516	-1176.9	3234.8	-195.0
517	-1370.9	3768.2	-12.5	518	-1306.2	3590.4	-12.5	519	-1306.2	3590.4	170.0
520	-1306.2	3590.4	-195.0	521	2265.5	1510.1	-12.5	522	2330.2	1332.3	-12.5
523	2330.2	1332.3	170.0	524	2330.2	1332.3	-195.0	525	2394.9	1154.5	-12.5
526	2136.2	1865.7	-12.5	527	2200.9	1687.9	-12.5	528	2200.9	1687.9	170.0
529	2200.9	1687.9	-195.0	530	2006.8	2221.3	-12.5	531	2071.5	2043.5	-12.5
532	2071.5	2043.5	170.0	533	3145.2	-908.0	170.0	534	3274.6	-942.6	170.0
535	3015.7	-873.3	170.0	536	3242.2	-934.0	170.0	537	3048.1	-882.0	170.0
538	1683.4	3110.3	170.0	539	1812.8	3075.6	170.0	540	1553.9	3145.0	170.0
541	1780.4	3084.3	170.0	542	1586.3	3136.3	170.0	543	5537.4	-909.9	0.0
544	5408.0	-554.3	0.0	545	1748.1	3093.0	170.0	546	1618.6	3127.6	170.0
547	5240.2	-93.2	0.0	548	5278.7	-198.7	0.0	549	-671.5	1844.6	-195.0
554	-735.4	1582.2	-195.0	556	-1435.3	3140.8	-195.0	557	-1564.7	3496.4	-195.0
558	-929.9	1750.6	-195.0	564	-141.0	-51.3	-195.0	565	-1550.4	3822.5	-195.0
566	-244.1	232.1	-195.0	567	-373.5	587.7	-195.0	568	-502.9	943.3	-195.0
569	-632.2	1298.9	-195.0	570	-929.7	2116.7	-195.0	571	-1059.1	2472.3	-195.0
572	-1188.4	2827.9	-195.0	573	-1317.8	3183.5	-195.0	574	-1447.2	3539.1	-195.0
575	-633.0	1739.1	-195.0	576	-296.9	11.5	-195.0	577	-426.3	367.1	-195.0
578	-555.6	722.7	-195.0	579	-685.0	1078.3	-195.0	580	-852.9	1539.5	-195.0
581	-814.4	1433.9	-195.0	582	-956.2	1823.4	-195.0	583	-910.6	1697.8	-195.0
584	-982.5	1896.2	-195.0	585	-1111.9	2251.8	-195.0	586	-1241.2	2607.4	-195.0
587	-1370.6	2963.0	-195.0	588	-1500.0	3318.6	-195.0	589	-1629.3	3674.2	-195.0
590	-258.4	-94.1	-195.0	591	-1667.8	3779.7	-195.0	592	-361.6	189.3	-195.0
593	-491.0	544.9	-195.0	594	-620.3	900.5	-195.0	595	-749.7	1256.1	-195.0
596	-1047.2	2074.0	-195.0	597	-1176.5	2429.6	-195.0	598	-1305.9	2785.2	-195.0
599	-812.4	1793.3	-195.0	601	-793.2	1740.6	-195.0	602	-865.0	1938.9	-195.0
603	-773.9	1687.8	-195.0	604	-891.4	1645.0	-195.0	605	102.5	156.9	-195.0
606	-26.9	512.5	-195.0	607	-156.3	868.1	-195.0	608	-285.7	1223.7	-195.0
610	-415.0	1579.3	-195.0	611	-556.8	1968.7	-195.0	612	-511.3	1843.2	-195.0
619	141.0	51.3	-195.0	620	-1268.5	3925.1	-195.0	625	-647.8	2219.3	-195.0
626	-777.2	2574.9	-195.0	627	-906.5	2930.5	-195.0	628	-1035.9	3286.1	-195.0
629	-1165.3	3641.7	-195.0	630	-530.5	1895.9	-195.0	631	5136.9	190.7	0.0
632	-492.0	1790.4	-195.0	633	219.9	199.6	-195.0	634	90.6	555.2	-195.0
635	-38.8	910.8	-195.0	636	-168.2	1266.4	-195.0	637	-336.1	1727.6	-195.0
638	-297.6	1622.0	-195.0	639	5182.4	65.2	0.0	640	5110.6	263.5	0.0
641	4981.2	619.1	0.0	642	-595.0	2439.9	-195.0	643	-724.4	2795.5	-195.0
644	-853.8	3151.1	-195.0	645	-983.1	3506.7	-195.0	646	-1112.5	3862.3	-195.0
647	258.4	94.1	-195.0	648	-1151.0	3967.8	-195.0	649	155.2	377.4	-195.0
650	25.9	733.0	-195.0	651	-103.5	1088.6	-195.0	652	-232.9	1444.2	-195.0
653	-530.3	2262.1	-195.0	654	-659.7	2617.7	-195.0	655	-789.1	2973.3	-195.0
656	-918.5	3328.9	-195.0	657	-1047.8	3684.5	-195.0	658	4851.8	974.7	0.0
659	4722.5	1330.3	0.0	660	4593.1	1685.9	0.0	661	4463.7	2041.5	0.0
662	5834.6	-1726.7	0.0	663	4425.2	2147.1	0.0	664	5731.5	-1443.3	0.0
665	5602.1	-1087.7	0.0	666	5472.7	-732.1	0.0	667	5343.4	-376.5	0.0
668	5045.9	441.3	0.0	669	4916.5	796.9	0.0	670	4787.1	1152.5	0.0
671	5280.7	160.7	0.0	673	5299.9	107.9	0.0	674	5228.0	306.3	0.0
675	5319.1	55.1	0.0	676	5201.7	12.4	0.0	677	6195.5	-1475.8	0.0
678	6066.2	-1120.2	0.0	679	5936.8	-764.6	0.0	680	-413.0	1938.7	-195.0
681	-439.3	2011.5	-195.0	682	-393.8	1885.9	-195.0	683	-465.6	2084.3	-195.0
684	-374.5	1833.1	-195.0	685	5807.4	-409.0	0.0	687	5678.0	-53.4	0.0
688	5536.3	336.1	0.0	689	5581.8	210.5	0.0	696	6234.0	-1581.3	0.0
697	4824.6	2292.5	0.0	703	1683.7	2305.0	-195.0	704	1554.3	2660.6	-195.0
705	2189.1	914.9	-195.0	711	2978.0	-887.0	-195.0	712	1568.6	2986.7	-195.0
713	2874.8	-603.7	-195.0	714	2745.5	-248.1	-195.0	715	2616.1	107.5	-195.0
716	2486.7	463.1	-195.0	717	2189.3	1281.0	-195.0	718	2059.9	1636.6	-195.0
719	1930.5	1992.2	-195.0	720	1801.2	2347.8	-195.0	721	1671.8	2703.4	-195.0
722	2822.1	-824.2	-195.0	723	2692.7	-468.6	-195.0	724	2563.3	-113.0	-195.0
725	2434.0	242.6	-195.0	726	2266.1	703.7	-195.0	727	2304.6	598.2	-195.0
728	2162.8	987.6	-195.0	729	2208.4	862.1	-195.0	730	2136.5	1060.4	-195.0
731	2007.1	1416.0	-195.0	732	1877.7	1771.6	-195.0	733	1748.4	2127.2	-195.0
734	1619.0	2482.8	-195.0	735	1489.6	2838.4	-195.0	736	2860.6	-929.8	-195.0
737	1451.1	2944.0	-195.0	738	2757.4	-646.4	-195.0	739	2628.0	-290.8	-195.0
740	2498.6	64.8	-195.0	741	2369.3	420.4	-195.0	742	2071.8	1238.2	-195.0
743	1942.4	1593.8	-195.0	744	1813.1	1949.4	-195.0	745	2306.6	957.6	-195.0
747	2325.8	904.8	-195.0	748	2254.0	1103.2	-195.0	749	2345.1	852.0	-195.0
750	2227.6	809.3	-195.0	751	3221.4	-678.9	-195.0	752	3092.1	-323.3	-195.0
753	2962.7	32.3	-195.0	754	2833.3	387.9	-195.0	756	2703.9	743.5	-195.0
757	2562.2	1133.0	-195.0	758	2607.7	1007.4	-195.0	765	3259.9	-784.4	-195.0
766	1850.5	3089.4	-195.0	771	2471.2	1383.6	-195.0	772	2341.8	1739.2	-195.0
773	2212.4	2094.8	-195.0	774	2083.1	2450.4	-195.0	775	1953.7	2806.0	-195.0

776	2588.5	1060.2	-195.0	777	2627.0	954.7	-195.0	778	3338.9	-636.1	-195.0
779	3209.5	-280.5	-195.0	780	3080.2	75.1	-195.0	781	2950.8	430.7	-195.0
782	2782.9	891.8	-195.0	783	2821.4	786.3	-195.0	787	2524.0	1604.1	-195.0
788	2394.6	1959.7	-195.0	789	2265.2	2315.3	-195.0	790	2135.8	2670.9	-195.0
791	2006.5	3026.5	-195.0	792	3377.4	-741.7	-195.0	793	1968.0	3132.1	-195.0
794	3274.2	-458.3	-195.0	795	3144.8	-102.7	-195.0	796	3015.5	252.9	-195.0
797	2886.1	608.5	-195.0	798	2588.6	1426.3	-195.0	799	2459.3	1781.9	-195.0
800	2329.9	2137.5	-195.0	801	2200.5	2493.1	-195.0	802	2071.1	2848.7	-195.0
804	5445.3	586.7	0.0	805	5315.9	942.3	0.0	806	5186.5	1297.9	0.0
807	5057.1	1653.5	0.0	808	4927.8	2009.1	0.0	809	5562.6	263.3	0.0
810	5601.1	157.8	0.0	811	6313.0	-1433.0	0.0	812	6183.6	-1077.4	0.0
813	6054.2	-721.8	0.0	814	5924.9	-366.2	0.0	815	5757.0	94.9	0.0
816	5795.5	-10.6	0.0	817	5680.0	306.1	0.0	818	5653.7	378.9	0.0
819	5699.3	253.3	0.0	820	5498.0	807.2	0.0	821	5368.7	1162.8	0.0
822	5239.3	1518.4	0.0	823	5109.9	1874.0	0.0	824	4980.6	2229.6	0.0
825	2705.9	1103.0	-195.0	826	2679.6	1175.8	-195.0	827	2725.2	1050.2	-195.0
828	2653.3	1248.5	-195.0	829	2744.4	997.4	-195.0	830	6351.5	-1538.6	0.0
831	4942.1	2335.2	0.0	832	6248.3	-1255.2	0.0	833	6118.9	-899.6	0.0
834	5989.6	-544.0	0.0	835	5860.2	-188.4	0.0	836	5562.7	629.4	0.0
837	5433.4	985.0	0.0	838	5304.0	1340.6	0.0	839	5174.6	1696.2	0.0
840	5045.2	2051.8	0.0	841	5627.4	451.6	0.0	842	5718.5	200.5	0.0
848	4657.8	1508.1	0.0	849	4528.4	1863.7	0.0	850	5163.2	118.0	0.0
856	5952.1	-1683.9	0.0	857	4542.7	2189.8	0.0	858	5848.9	-1400.6	0.0
859	5719.6	-1045.0	0.0	860	5590.2	-689.4	0.0	861	5460.8	-333.8	0.0
862	5163.4	484.1	0.0	863	5034.0	839.7	0.0	864	4904.6	1195.3	0.0
865	4775.2	1550.9	0.0	866	4645.9	1906.5	0.0	867	5460.1	106.4	170.0
868	5421.6	212.0	170.0	869	26.8	3714.6	220.0	870	332.3	3632.8	220.0
871	637.7	3551.0	220.0	872	943.1	3469.1	220.0	873	1248.5	3387.3	220.0
874	1974.3	3192.8	220.0	875	2265.3	3114.8	220.0	876	2556.2	3036.9	220.0
877	3119.0	-835.7	170.0	878	2847.1	2958.9	220.0	879	3138.1	2881.0	220.0
880	3429.0	2803.0	220.0	881	3720.0	2725.1	220.0	882	3209.9	-925.3	170.0
883	3080.5	-890.6	170.0	884	4010.9	2647.1	220.0	885	4301.8	2569.1	220.0
886	266.9	23.7	220.0	887	572.4	-58.1	220.0	888	877.8	-140.0	220.0
889	1183.2	-221.8	220.0	890	1488.6	-303.6	220.0	891	1794.1	-385.5	220.0
892	2099.5	-467.3	220.0	893	2404.9	-549.1	220.0	894	2710.3	-631.0	220.0
895	3436.1	-825.5	220.0	896	3727.1	-903.4	220.0	897	4018.0	-981.4	220.0
898	4308.9	-1059.3	220.0	899	4599.9	-1137.3	220.0	900	4890.8	-1215.2	220.0
901	5181.8	-1293.2	220.0	902	5472.7	-1371.2	220.0	903	5763.6	-1449.1	220.0
904	137.6	379.3	220.0	905	443.0	297.5	220.0	906	748.4	215.6	220.0
907	1053.8	133.8	220.0	908	1359.3	52.0	220.0	909	1664.7	-29.9	220.0
910	1970.1	-111.7	220.0	911	2275.5	-193.5	220.0	912	2581.0	-275.4	220.0
913	3306.8	-469.9	220.0	914	3597.7	-547.8	220.0	915	3888.6	-625.8	220.0
916	4179.6	-703.7	220.0	917	4470.5	-781.7	220.0	918	4761.5	-859.6	220.0
919	5052.4	-937.6	220.0	920	5343.3	-1015.6	220.0	921	5634.3	-1093.5	220.0
922	8.2	734.9	220.0	923	313.6	653.1	220.0	924	619.0	571.2	220.0
925	924.5	489.4	220.0	926	1229.9	407.6	220.0	927	1535.3	325.7	220.0
928	1840.7	243.9	220.0	929	2146.2	162.1	220.0	930	2451.6	80.2	220.0
931	3177.4	-114.3	220.0	932	3468.3	-192.2	220.0	933	3759.3	-270.2	220.0
934	4050.2	-348.1	220.0	935	4341.1	-426.1	220.0	936	4632.1	-504.0	220.0
937	4923.0	-582.0	220.0	938	5214.0	-660.0	220.0	939	5504.9	-737.9	220.0
940	-121.2	1090.5	220.0	941	184.2	1008.7	220.0	942	489.7	926.8	220.0
943	795.1	845.0	220.0	944	1100.5	763.2	220.0	945	1405.9	681.3	220.0
946	1711.4	599.5	220.0	947	2016.8	517.7	220.0	948	2322.2	435.8	220.0
949	3048.0	241.3	220.0	950	3339.0	163.4	220.0	951	3629.9	85.4	220.0
952	3920.8	7.5	220.0	953	4211.8	-70.5	220.0	954	4502.7	-148.4	220.0
955	4793.6	-226.4	220.0	956	5084.6	-304.4	220.0	957	5375.5	-382.3	220.0
958	-250.6	1446.1	220.0	959	54.9	1364.3	220.0	960	360.3	1282.4	220.0
961	665.7	1200.6	220.0	962	971.2	1118.8	220.0	963	1276.6	1036.9	220.0
964	1582.0	955.1	220.0	965	1887.4	873.3	220.0	966	2192.9	791.4	220.0
967	2918.6	596.9	220.0	968	3209.6	519.0	220.0	969	3500.5	441.0	220.0
970	3791.5	363.1	220.0	971	4082.4	285.1	220.0	972	4373.3	207.2	220.0
973	4664.3	129.2	220.0	974	4955.2	51.2	220.0	975	5246.1	-26.7	220.0
976	-418.6	1908.4	220.0	977	-113.2	1826.5	220.0	978	192.2	1744.7	220.0
979	497.6	1662.9	220.0	980	803.1	1581.0	220.0	981	1108.5	1499.2	220.0
982	1413.9	1417.3	220.0	983	1719.3	1335.5	220.0	984	2024.8	1253.7	220.0
985	2750.6	1059.2	220.0	986	3041.5	981.2	220.0	987	3332.4	903.3	220.0
988	3623.4	825.3	220.0	989	3914.3	747.4	220.0	990	4205.2	669.4	220.0
991	4496.2	591.5	220.0	992	4787.1	513.5	220.0	993	5078.1	435.5	220.0
994	-548.0	2264.0	220.0	995	-242.6	2182.1	220.0	996	62.8	2100.3	220.0
997	368.3	2018.5	220.0	998	673.7	1936.6	220.0	999	979.1	1854.8	220.0
1000	1284.5	1772.9	220.0	1001	1590.0	1691.1	220.0	1002	1895.4	1609.3	220.0
1003	2621.2	1414.8	220.0	1004	2912.1	1336.8	220.0	1005	3203.1	1258.9	220.0

1006	3494.0	1180.9	220.0	1007	3784.9	1103.0	220.0	1008	4075.9	1025.0	220.0
1009	4366.8	947.1	220.0	1010	4657.7	869.1	220.0	1011	4948.7	791.1	220.0
1012	-677.4	2619.6	220.0	1013	-372.0	2537.7	220.0	1014	-66.5	2455.9	220.0
1015	238.9	2374.1	220.0	1016	544.3	2292.2	220.0	1017	849.7	2210.4	220.0
1018	1155.2	2128.5	220.0	1019	1460.6	2046.7	220.0	1020	1766.0	1964.9	220.0
1021	2491.8	1770.4	220.0	1022	2782.8	1692.4	220.0	1023	3073.7	1614.5	220.0
1024	3364.6	1536.5	220.0	1025	3655.6	1458.6	220.0	1026	3946.5	1380.6	220.0
1027	4237.4	1302.7	220.0	1028	4528.4	1224.7	220.0	1029	4819.3	1146.7	220.0
1030	-806.8	2975.2	220.0	1031	-501.3	2893.3	220.0	1032	-195.9	2811.5	220.0
1033	109.5	2729.7	220.0	1034	414.9	2647.8	220.0	1035	720.4	2566.0	220.0
1036	1025.8	2484.1	220.0	1037	1331.2	2402.3	220.0	1038	1636.7	2320.5	220.0
1039	2362.4	2126.0	220.0	1040	2653.4	2048.0	220.0	1041	2944.3	1970.1	220.0
1042	3235.3	1892.1	220.0	1043	3526.2	1814.2	220.0	1044	3817.1	1736.2	220.0
1045	4108.1	1658.3	220.0	1046	4399.0	1580.3	220.0	1047	4689.9	1502.3	220.0
1048	-936.1	3330.8	220.0	1049	-630.7	3248.9	220.0	1050	-325.3	3167.1	220.0
1051	-19.9	3085.3	220.0	1052	285.6	3003.4	220.0	1053	591.0	2921.6	220.0
1054	896.4	2839.7	220.0	1055	1201.9	2757.9	220.0	1056	1507.3	2676.1	220.0
1057	2233.1	2481.6	220.0	1058	2524.0	2403.6	220.0	1059	2814.9	2325.7	220.0
1060	3105.9	2247.7	220.0	1061	3396.8	2169.8	220.0	1062	3687.8	2091.8	220.0
1063	3978.7	2013.9	220.0	1064	4269.6	1935.9	220.0	1065	4560.6	1857.9	220.0
1066	-1065.5	3686.4	220.0	1067	5407.5	252.0	220.0				

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
550	-185.4	70.9	-195.0	FS=4						
551	-315.4	427.9	-195.0	FS=4						
552	-445.4	785.0	-195.0	FS=4						
553	-575.3	1142.1	-195.0	FS=4						
555	-705.3	1499.2	-195.0	FS=4						
559	-965.2	2213.4	-195.0	FS=4						
560	-1095.2	2570.4	-195.0	FS=4						
561	-1225.2	2927.5	-195.0	FS=4						
562	-1355.1	3284.6	-195.0	FS=4						
563	-1485.1	3641.7	-195.0	FS=4						
600	-835.3	1856.3	-195.0	FS=4						
609	-471.3	1733.4	-195.0	FS=4						
613	-601.2	2090.4	-195.0	FS=4						
614	-731.2	2447.5	-195.0	FS=4						
615	-861.2	2804.6	-195.0	FS=4						
616	-991.1	3161.7	-195.0	FS=4						
617	-1100.6	3463.9	-195.0	FS=4						
618	-1230.0	3819.5	-195.0	FS=4						
621	48.6	305.0	-195.0	FS=4						
622	-81.4	662.1	-195.0	FS=4						
623	-211.3	1019.2	-195.0	FS=4						
624	-341.3	1376.3	-195.0	FS=4						
672	5257.8	223.6	0.0	FS=4						
686	5621.8	100.7	0.0	FS=4						
690	5491.8	457.8	0.0	FS=4						
691	5361.9	814.9	0.0	FS=4						
692	5231.9	1172.0	0.0	FS=4						
693	5101.9	1529.1	0.0	FS=4						
694	4992.5	1831.3	0.0	FS=4						
695	4863.1	2186.9	0.0	FS=4						
698	2933.6	-764.9	-195.0	FS=4						
699	2803.6	-407.8	-195.0	FS=4						
700	2673.6	-50.7	-195.0	FS=4						
701	2543.7	306.4	-195.0	FS=4						
702	2413.7	663.5	-195.0	FS=4						
706	2153.8	1377.6	-195.0	FS=4						
707	2023.8	1734.7	-195.0	FS=4						
708	1893.8	2091.8	-195.0	FS=4						
709	1763.8	2448.9	-195.0	FS=4						
710	1633.9	2806.0	-195.0	FS=4						
746	2283.7	1020.5	-195.0	FS=4						
755	2647.7	897.6	-195.0	FS=4						
759	2517.7	1254.7	-195.0	FS=4						
760	2387.8	1611.8	-195.0	FS=4						
761	2257.8	1968.9	-195.0	FS=4						
762	2127.8	2326.0	-195.0	FS=4						
763	2018.4	2628.2	-195.0	FS=4						
764	1889.0	2983.8	-195.0	FS=4						

767	3167.6	-530.7	-195.0	FS=4
768	3037.6	-173.6	-195.0	FS=4
769	2907.6	183.5	-195.0	FS=4
770	2777.7	540.5	-195.0	FS=4
784	6141.7	-1327.6	0.0	FS=4
785	6011.7	-970.5	0.0	FS=4
786	5881.7	-613.4	0.0	FS=4
803	5751.8	-256.4	0.0	FS=4
843	5907.6	-1561.8	0.0	FS=4
844	5777.7	-1204.7	0.0	FS=4
845	5647.7	-847.6	0.0	FS=4
846	5517.7	-490.5	0.0	FS=4
847	5387.8	-133.4	0.0	FS=4
851	5127.8	580.7	0.0	FS=4
852	4997.9	937.8	0.0	FS=4
853	4867.9	1294.9	0.0	FS=4
854	4737.9	1652.0	0.0	FS=4
855	4608.0	2009.1	0.0	FS=4

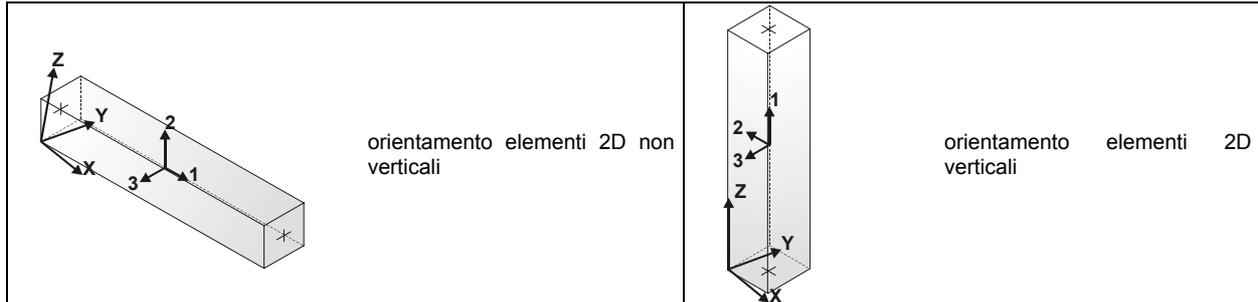
6. MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

6.1 TABELLA DATI TRAVI

Il programma utilizza per la modellazione elementi a due nodi denominati in generale travi.

Ogni elemento trave è individuato dal nodo iniziale e dal nodo finale.

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: trave, trave di fondazione, pilastro, asta, asta tesa, asta compressa
Nodo I (J)	numero del nodo iniziale (finale)
Mat.	codice del materiale assegnato all'elemento
Sez.	codice della sezione assegnata all'elemento
Rotaz.	valore della rotazione dell'elemento, attorno al proprio asse, nel caso in cui l'orientamento di default non sia adottabile; l'orientamento di default prevede per gli elementi non verticali l'asse 2 contenuto nel piano verticale e l'asse 3 orizzontale, per gli elementi verticali l'asse 2 diretto secondo X negativo e l'asse 3 diretto secondo Y negativo
Svincolo I (J)	codici di svincolo per le azioni interne; i primi sei codici si riferiscono al nodo iniziale, i restanti sei al nodo finale (il valore 1 indica che la relativa azione interna non è attiva)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione della trave su suolo elastico
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Trave	1	886	1	1					
2	Pilas.	76	19	10	2			000111		
3	Trave	3	895	1	1					
4	Trave	5	904	1	1					
5	Pilas.	248	247	1	3					
6	Trave	7	913	1	1					
7	Trave	9	922	1	1					
8	Pilas.	80	79	1	3					
9	Trave	11	931	1	1					
10	Trave	13	940	1	1					
11	Pilas.	79	20	10	2			000111		
12	Trave	15	949	1	1					
13	Trave	17	958	1	1					
14	Pilas.	247	192	10	2			000111		
15	Trave	19	967	1	1					
16	Pilas.	23	22	1	3					
17	Pilas.	22	1	10	2			001111		
18	Pilas.	251	250	1	3					
19	Pilas.	26	25	1	3					
20	Pilas.	25	2	10	2			001111		
21	Pilas.	271	200	10	2			001111		
22	Pilas.	29	28	1	3					
23	Pilas.	28	3	10	2			001111		
24	Pilas.	250	166	10	2			000111		
25	Pilas.	32	31	1	3					
26	Pilas.	31	4	10	2			001111		
27	Pilas.	254	253	1	3					
28	Pilas.	35	34	1	3					
29	Pilas.	34	5	10	2			000111		
30	Pilas.	253	168	10	2			000111		
31	Pilas.	38	37	1	3					
32	Pilas.	37	6	10	2			000111		
33	Pilas.	257	256	1	3					
34	Pilas.	41	40	1	3					
35	Pilas.	40	7	10	2			000111		
36	Pilas.	256	195	10	2			000111		
37	Pilas.	44	43	1	3					
38	Pilas.	43	8	10	2			000111		
39	Pilas.	260	259	1	3					
40	Pilas.	47	46	1	3					
41	Pilas.	46	9	10	2			000111		
42	Pilas.	259	196	10	2			000111		
43	Pilas.	50	49	1	3					
44	Pilas.	49	10	10	2			000111		
45	Pilas.	263	262	1	3					
46	Pilas.	53	52	1	3					
47	Pilas.	52	11	10	2			000111		
48	Pilas.	262	165	10	2			001111		
49	Pilas.	56	55	1	3					
50	Pilas.	55	12	10	2			000111		
51	Pilas.	266	265	1	3					
52	Pilas.	59	58	1	3					
53	Pilas.	58	13	10	2			000111		
54	Pilas.	265	169	10	2			001111		
55	Pilas.	62	61	1	3					
56	Pilas.	61	14	10	2			000111		
57	Pilas.	269	268	1	3					
58	Pilas.	65	64	1	3					
59	Pilas.	64	15	10	2			000111		
60	Pilas.	268	199	10	2			001111		
61	Pilas.	68	67	1	3					
62	Pilas.	67	16	10	2			000111		
63	Pilas.	272	271	1	3					
64	Pilas.	71	70	1	3					
65	Pilas.	70	17	10	2			000111		
66	Pilas.	245	244	1	3					
67	Pilas.	74	73	1	3					
68	Pilas.	73	18	10	2			000111		

69	Pilas.	244	191	10	2	000111
70	Pilas.	77	76	1	3	
71	Trave	171	976	1	1	
72	Trave	179	985	1	1	
73	Trave	172	994	1	1	
74	Trave	183	1003	1	1	
75	Trave	173	1012	1	1	
76	Trave	187	1021	1	1	
77	Trave	174	1030	1	1	
78	Trave	191	1039	1	1	
79	Trave	166	1048	1	1	
80	Trave	195	1057	1	1	
81	Trave	165	1066	1	1	
82	Trave	199	45	1	1	
83	Pilas.	203	202	1	3	
84	Pilas.	202	171	10	2	000111
85	Pilas.	206	205	1	3	
86	Pilas.	205	178	10	2	000111
87	Pilas.	209	208	1	3	
88	Pilas.	208	179	10	2	000111
89	Pilas.	212	211	1	3	
90	Pilas.	211	180	10	2	000111
91	Pilas.	215	214	1	3	
92	Pilas.	214	172	10	2	001111
93	Pilas.	218	217	1	3	
94	Pilas.	217	182	10	2	001111
95	Pilas.	221	220	1	3	
96	Pilas.	220	183	10	2	001111
97	Pilas.	224	223	1	3	
98	Pilas.	223	184	10	2	000111
99	Pilas.	227	226	1	3	
100	Pilas.	226	173	10	2	000111
101	Pilas.	230	229	1	3	
102	Pilas.	229	186	10	2	000111
103	Pilas.	233	232	1	3	
104	Pilas.	232	187	10	2	000111
105	Pilas.	236	235	1	3	
106	Pilas.	235	188	10	2	000111
107	Pilas.	239	238	1	3	
108	Pilas.	238	174	10	2	000111
109	Pilas.	242	241	1	3	
110	Pilas.	241	190	10	2	000111
111	Trave	886	887	1	1	
112	Trave	887	888	1	1	
113	Trave	888	889	1	1	
114	Trave	889	890	1	1	
115	Trave	890	891	1	1	
116	Trave	891	892	1	1	
117	Trave	892	893	1	1	
118	Trave	893	894	1	1	
119	Trave	894	2	1	1	
120	Trave	895	896	1	1	
121	Trave	896	897	1	1	
122	Trave	897	898	1	1	
123	Trave	898	899	1	1	
124	Trave	899	900	1	1	
125	Trave	900	901	1	1	
126	Trave	901	902	1	1	
127	Trave	902	903	1	1	
128	Trave	903	4	1	1	
129	Trave	904	905	1	1	
130	Trave	905	906	1	1	
131	Trave	906	907	1	1	
132	Trave	907	908	1	1	
133	Trave	908	909	1	1	
134	Trave	909	910	1	1	
135	Trave	910	911	1	1	
136	Trave	911	912	1	1	
137	Trave	912	6	1	1	
138	Trave	913	914	1	1	
139	Trave	914	915	1	1	
140	Trave	915	916	1	1	

141	Trave	916	917	1	1
142	Trave	917	918	1	1
143	Trave	918	919	1	1
144	Trave	919	920	1	1
145	Trave	920	921	1	1
146	Trave	921	8	1	1
147	Trave	922	923	1	1
148	Trave	923	924	1	1
149	Trave	924	925	1	1
150	Trave	925	926	1	1
151	Trave	926	927	1	1
152	Trave	927	928	1	1
153	Trave	928	929	1	1
154	Trave	929	930	1	1
155	Trave	930	10	1	1
156	Trave	931	932	1	1
157	Trave	932	933	1	1
158	Trave	933	934	1	1
159	Trave	934	935	1	1
160	Trave	935	936	1	1
161	Trave	936	937	1	1
162	Trave	937	938	1	1
163	Trave	938	939	1	1
164	Trave	939	12	1	1
165	Trave	940	941	1	1
166	Trave	941	942	1	1
167	Trave	942	943	1	1
168	Trave	943	944	1	1
169	Trave	944	945	1	1
170	Trave	945	946	1	1
171	Trave	946	947	1	1
172	Trave	947	948	1	1
173	Trave	948	14	1	1
174	Trave	949	950	1	1
175	Trave	950	951	1	1
176	Trave	951	952	1	1
177	Trave	952	953	1	1
178	Trave	953	954	1	1
179	Trave	954	955	1	1
180	Trave	955	956	1	1
181	Trave	956	957	1	1
182	Trave	957	16	1	1
183	Trave	958	959	1	1
184	Trave	959	960	1	1
185	Trave	960	961	1	1
186	Trave	961	962	1	1
187	Trave	962	963	1	1
188	Trave	963	964	1	1
189	Trave	964	965	1	1
190	Trave	965	966	1	1
191	Trave	966	18	1	1
192	Trave	967	968	1	1
193	Trave	968	969	1	1
194	Trave	969	970	1	1
195	Trave	970	971	1	1
196	Trave	971	972	1	1
197	Trave	972	973	1	1
198	Trave	973	974	1	1
199	Trave	974	975	1	1
200	Trave	975	20	1	1
201	Trave	976	977	1	1
202	Trave	977	978	1	1
203	Trave	978	979	1	1
204	Trave	979	980	1	1
205	Trave	980	981	1	1
206	Trave	981	982	1	1
207	Trave	982	983	1	1
208	Trave	983	984	1	1
209	Trave	984	178	1	1
210	Trave	985	986	1	1
211	Trave	986	987	1	1
212	Trave	987	988	1	1

213	Trave	988	989	1	1
214	Trave	989	990	1	1
215	Trave	990	991	1	1
216	Trave	991	992	1	1
217	Trave	992	993	1	1
218	Trave	993	180	1	1
219	Trave	994	995	1	1
220	Trave	995	996	1	1
221	Trave	996	997	1	1
222	Trave	997	998	1	1
223	Trave	998	999	1	1
224	Trave	999	1000	1	1
225	Trave	1000	1001	1	1
226	Trave	1001	1002	1	1
227	Trave	1002	182	1	1
228	Trave	1003	1004	1	1
229	Trave	1004	1005	1	1
230	Trave	1005	1006	1	1
231	Trave	1006	1007	1	1
232	Trave	1007	1008	1	1
233	Trave	1008	1009	1	1
234	Trave	1009	1010	1	1
235	Trave	1010	1011	1	1
236	Trave	1011	184	1	1
237	Trave	1012	1013	1	1
238	Trave	1013	1014	1	1
239	Trave	1014	1015	1	1
240	Trave	1015	1016	1	1
241	Trave	1016	1017	1	1
242	Trave	1017	1018	1	1
243	Trave	1018	1019	1	1
244	Trave	1019	1020	1	1
245	Trave	1020	186	1	1
246	Trave	1021	1022	1	1
247	Trave	1022	1023	1	1
248	Trave	1023	1024	1	1
249	Trave	1024	1025	1	1
250	Trave	1025	1026	1	1
251	Trave	1026	1027	1	1
252	Trave	1027	1028	1	1
253	Trave	1028	1029	1	1
254	Trave	1029	188	1	1
255	Trave	1030	1031	1	1
256	Trave	1031	1032	1	1
257	Trave	1032	1033	1	1
258	Trave	1033	1034	1	1
259	Trave	1034	1035	1	1
260	Trave	1035	1036	1	1
261	Trave	1036	1037	1	1
262	Trave	1037	1038	1	1
263	Trave	1038	190	1	1
264	Trave	1039	1040	1	1
265	Trave	1040	1041	1	1
266	Trave	1041	1042	1	1
267	Trave	1042	1043	1	1
268	Trave	1043	1044	1	1
269	Trave	1044	1045	1	1
270	Trave	1045	1046	1	1
271	Trave	1046	1047	1	1
272	Trave	1047	192	1	1
273	Trave	1048	1049	1	1
274	Trave	1049	1050	1	1
275	Trave	1050	1051	1	1
276	Trave	1051	1052	1	1
277	Trave	1052	1053	1	1
278	Trave	1053	1054	1	1
279	Trave	1054	1055	1	1
280	Trave	1055	1056	1	1
281	Trave	1056	168	1	1
282	Trave	1057	1058	1	1
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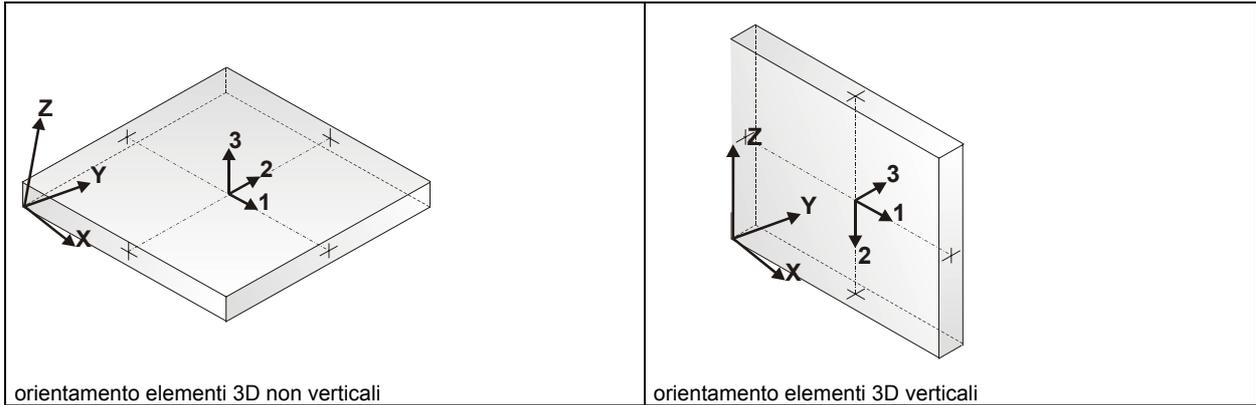
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289	Trave	1064	1065	1	1
290	Trave	1065	196	1	1
291	Trave	1066	21	1	1
292	Trave	21	24	1	1
293	Trave	24	27	1	1
294	Trave	27	30	1	1
295	Trave	30	33	1	1
296	Trave	33	36	1	1
297	Trave	36	39	1	1
298	Trave	39	42	1	1
299	Trave	42	169	1	1
300	Trave	45	48	1	1
301	Trave	48	51	1	1
302	Trave	51	54	1	1
303	Trave	54	57	1	1
304	Trave	57	60	1	1
305	Trave	60	63	1	1
306	Trave	63	66	1	1
307	Trave	66	69	1	1
308	Trave	69	200	1	1
309	Trave	165	166	1	4
310	Trave	339	165	1	4
311	Trave	166	174	1	4
312	Trave	174	173	1	4
313	Trave	173	172	1	4
314	Trave	172	171	1	4
315	Trave	171	336	1	4
316	Trave	313	17	1	4
317	Trave	17	13	1	4
318	Trave	13	9	1	4
319	Trave	9	5	1	4
320	Trave	5	1	1	4
321	Trave	1	289	1	4
322	Trave	342	169	1	4
323	Trave	169	168	1	4
324	Trave	168	190	1	4
325	Trave	195	191	1	4
326	Trave	199	195	1	4
327	Trave	343	199	1	4
328	Trave	191	187	1	4
329	Trave	190	186	1	4
330	Trave	180	1067	1	4
331	Trave	317	20	1	4
332	Trave	4	296	1	4
333	Trave	200	196	1	4
334	Trave	12	8	1	4
335	Trave	926	908	8	5
336	Trave	908	890	8	5
337	Trave	8	4	1	4
338	Trave	192	188	1	4
339	Trave	188	184	1	4
340	Trave	184	180	1	4
341	Trave	20	16	1	4
342	Trave	16	12	1	4
343	Trave	18	14	1	4
344	Trave	14	10	1	4
345	Trave	15	11	1	4
346	Trave	19	15	1	4
347	Trave	11	7	1	4
348	Trave	10	6	1	4
349	Trave	186	182	1	4
350	Trave	182	178	1	4
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352	Trave	187	183	1	4
353	Trave	7	3	1	4
354	Trave	6	2	1	4
355	Trave	179	333	1	4
356	Trave	178	331	1	4

357	Trave	196	192	1	4
358	Trave	314	18	1	4
359	Trave	315	19	1	4
360	Trave	2	294	1	4
361	Trave	3	295	1	4
362	Trave	345	200	1	4
363	Trave	30	1052	8	5
364	Trave	1052	1034	8	5
365	Trave	1034	1016	8	5
366	Trave	1016	998	8	5
367	Trave	998	980	8	5
368	Trave	962	944	8	5
369	Trave	944	926	8	5
370	Trave	1061	1043	8	5
371	Trave	57	1061	8	5
372	Trave	1043	1025	8	5
373	Trave	953	935	8	5
374	Trave	971	953	8	5
375	Trave	935	917	8	5
376	Trave	1007	989	8	5
377	Trave	1025	1007	8	5
378	Trave	917	899	8	5
379	Trave	72	170	8	5
380	Trave	246	270	8	5
381	Trave	270	167	8	5
382	Trave	167	297	8	5
383	Trave	297	298	8	5
384	Trave	298	869	8	5
385	Trave	869	870	8	5
386	Trave	870	871	8	5
387	Trave	871	872	8	5
388	Trave	872	873	8	5
389	Trave	873	255	8	5
390	Trave	170	194	8	5
391	Trave	194	198	8	5
392	Trave	198	201	8	5
393	Trave	201	204	8	5
394	Trave	204	207	8	5
395	Trave	207	210	8	5
396	Trave	210	213	8	5
397	Trave	213	216	8	5
398	Trave	216	75	8	5
399	Trave	255	258	8	5
400	Trave	75	78	8	5
401	Trave	258	874	8	5
402	Trave	78	219	8	5
403	Trave	874	875	8	5
404	Trave	219	222	8	5
405	Trave	875	876	8	5
406	Trave	222	225	8	5
407	Trave	876	878	8	5
408	Trave	225	228	8	5
409	Trave	878	879	8	5
410	Trave	228	231	8	5
411	Trave	879	880	8	5
412	Trave	231	234	8	5
413	Trave	880	881	8	5
414	Trave	234	237	8	5
415	Trave	881	884	8	5
416	Trave	237	240	8	5
417	Trave	884	885	8	5
418	Trave	240	243	8	5
419	Trave	885	267	8	5
420	Trave	243	329	8	5

7. MODELLAZIONE STRUTTURA: ELEMENTI SHELL

7.1 LEGENDA TABELLA DATI SHELL

Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.
Ogni elemento shell è individuato dai nodi I, J, K, L (L=I per gli elementi a tre nodi).
Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione.



In particolare per ogni elemento viene indicato in tabella:

Elem.	numero dell'elemento
Note	codice di comportamento: <i>Guscio</i> (elemento guscio in elevazione non verticale) <i>Guscio fond.</i> (elemento guscio su suolo elastico) <i>Setto</i> (elemento guscio in elevazione verticale) <i>Membrana</i> (elemento guscio con comportamento membranale)
Nodo I (J, K, L)	numero del nodo I (J, K, L)
Mat.	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Wink V	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico verticale
Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore cm	Wink V daN/cm3	Wink O daN/cm3
1	Guscio	966	18	178	984	1	25.0		
2	Guscio	965	966	984	983	1	25.0		
3	Guscio	964	965	983	982	1	25.0		
4	Guscio	963	964	982	981	1	25.0		
5	Guscio	962	963	981	980	1	25.0		
6	Guscio	961	962	980	979	1	25.0		
7	Guscio	960	961	979	978	1	25.0		
8	Guscio	959	960	978	977	1	25.0		
9	Guscio	958	959	977	976	1	25.0		
10	Guscio	17	958	976	171	1	25.0		
11	Guscio	243	329	4	903	1	25.0		
12	Guscio	240	243	903	902	1	25.0		
13	Guscio	237	240	902	901	1	25.0		
14	Guscio	234	237	901	900	1	25.0		
15	Guscio	231	234	900	899	1	25.0		
16	Guscio	228	231	899	898	1	25.0		
17	Setto	35	451	450	449	1	150.0		
18	Setto	47	456	455	454	1	150.0		
19	Setto	59	460	459	458	1	150.0		
20	Setto	71	464	463	462	1	150.0		
21	Guscio	54	57	879	878	1	25.0		
22	Guscio	257	424	423	422	1	100.0		
23	Guscio	312	427	426	421	1	100.0		
24	Guscio	310	257	422	176	1	100.0		
25	Guscio	424	311	420	423	1	100.0		
26	Guscio	427	254	430	426	1	100.0		
27	Guscio	254	310	176	430	1	100.0		
28	Guscio	104	105	424	257	1	100.0		
29	Guscio	419	106	427	312	1	100.0		
30	Guscio	304	104	257	310	1	100.0		
31	Guscio	105	418	311	424	1	100.0		
32	Guscio	106	107	254	427	1	100.0		
33	Guscio	107	304	310	254	1	100.0		
34	Guscio	245	108	105	104	1	100.0		
35	Guscio	302	109	106	419	1	100.0		
36	Guscio	300	245	104	304	1	100.0		
37	Guscio	280	221	431	528	1	100.0		
38	Guscio	432	281	413	433	1	100.0		
39	Guscio	89	218	90	91	1	100.0		
40	Guscio	218	280	528	90	1	100.0		
41	Guscio	92	94	432	221	1	100.0		
42	Guscio	412	95	89	282	1	100.0		
43	Guscio	523	92	221	280	1	100.0		
44	Guscio	94	410	281	432	1	100.0		
45	Guscio	95	100	218	89	1	100.0		
46	Guscio	100	523	280	218	1	100.0		
47	Guscio	209	101	94	92	1	100.0		
48	Guscio	279	102	95	412	1	100.0		
49	Guscio	277	209	92	523	1	100.0		
50	Guscio	101	278	410	94	1	100.0		
51	Guscio	102	206	100	95	1	100.0		
52	Guscio	206	277	523	100	1	100.0		
53	Setto	147	468	467	466	1	150.0		
54	Setto	152	473	472	471	1	150.0		
55	Setto	138	477	476	475	1	150.0		
56	Setto	133	481	480	479	1	150.0		
57	Guscio	108	301	418	105	1	100.0		
58	Guscio	109	242	107	106	1	100.0		
59	Guscio	51	54	878	876	1	25.0		
60	Guscio	242	300	304	107	1	100.0		
61	Guscio	114	115	108	245	1	100.0		
62	Guscio	417	116	109	302	1	100.0		
63	Guscio	532	114	245	300	1	100.0		
64	Guscio	115	415	301	108	1	100.0		
65	Guscio	116	117	242	109	1	100.0		
66	Guscio	117	532	300	242	1	100.0		
67	Guscio	233	119	115	114	1	100.0		
68	Guscio	292	120	116	417	1	100.0		

69	Guscio	48	51	876	875	1	25.0
70	Guscio	290	233	114	532	1	100.0
71	Guscio	119	291	415	115	1	100.0
72	Guscio	120	230	117	116	1	100.0
73	Guscio	230	290	532	117	1	100.0
74	Guscio	431	433	119	233	1	100.0
75	Setto	44	485	484	483	1	150.0
76	Guscio	414	91	120	292	1	100.0
77	Guscio	528	431	233	290	1	100.0
78	Guscio	433	413	291	119	1	100.0
79	Guscio	91	90	230	120	1	100.0
80	Guscio	90	528	290	230	1	100.0
81	Guscio	221	432	433	431	1	100.0
82	Setto	56	490	489	488	1	150.0
83	Setto	68	494	493	492	1	150.0
84	Setto	80	498	497	496	1	150.0
85	Guscio	225	228	898	897	1	25.0
86	Guscio	222	225	897	896	1	25.0
87	Guscio	219	222	896	895	1	25.0
88	Guscio	78	219	895	3	1	25.0
89	Guscio	74	138	85	443	1	100.0
90	Guscio	369	367	378	374	1	100.0
91	Guscio	443	85	370	366	1	100.0
92	Guscio	366	370	382	395	1	100.0
93	Guscio	138	77	446	85	1	100.0
94	Guscio	446	445	367	369	1	100.0
95	Guscio	85	446	369	370	1	100.0
96	Guscio	370	369	374	382	1	100.0
97	Guscio	282	89	91	414	1	100.0
98	Guscio	121	123	124	77	1	100.0
99	Guscio	126	127	128	140	1	100.0
100	Guscio	477	121	77	138	1	100.0
101	Guscio	123	129	139	124	1	100.0
102	Guscio	127	130	74	128	1	100.0
103	Guscio	422	423	425	269	1	100.0
104	Guscio	421	426	428	322	1	100.0
105	Guscio	176	422	269	320	1	100.0
106	Guscio	423	420	321	425	1	100.0
107	Guscio	426	430	266	428	1	100.0
108	Guscio	430	176	320	266	1	100.0
109	Guscio	130	477	138	74	1	100.0
110	Guscio	65	136	123	121	1	100.0
111	Guscio	135	137	127	126	1	100.0
112	Guscio	133	65	121	477	1	100.0
113	Setto	215	502	501	500	1	150.0
114	Setto	227	507	506	505	1	150.0
115	Setto	239	511	510	509	1	150.0
116	Setto	251	515	514	513	1	150.0
117	Setto	263	519	518	517	1	150.0
118	Setto	280	523	522	521	1	150.0
119	Setto	290	528	527	526	1	150.0
120	Setto	300	532	531	530	1	150.0
121	Setto	310	304	308	307	1	150.0
122	Setto	320	176	122	98	1	150.0
123	Setto	224	406	405	403	1	150.0
124	Setto	236	113	110	409	1	150.0
125	Setto	248	283	161	132	1	150.0
126	Setto	260	287	286	285	1	150.0
127	Setto	272	372	323	318	1	150.0
128	Guscio	216	75	2	894	1	25.0
129	Guscio	213	216	894	893	1	25.0
130	Guscio	210	213	893	892	1	25.0
131	Guscio	207	210	892	891	1	25.0
132	Guscio	204	207	891	890	1	25.0
133	Guscio	201	204	890	889	1	25.0
134	Guscio	198	201	889	888	1	25.0
135	Guscio	194	198	888	887	1	25.0
136	Guscio	170	194	887	886	1	25.0
137	Guscio	72	170	886	1	1	25.0
138	Guscio	75	78	3	2	1	25.0
139	Guscio	69	200	267	885	1	25.0
140	Guscio	66	69	885	884	1	25.0

141	Guscio	63	66	884	881	1	25.0
142	Guscio	60	63	881	880	1	25.0
143	Guscio	57	60	880	879	1	25.0
144	Guscio	136	134	129	123	1	100.0
145	Guscio	137	62	130	127	1	100.0
146	Guscio	62	133	477	130	1	100.0
147	Guscio	141	145	136	65	1	100.0
148	Guscio	146	150	137	135	1	100.0
149	Guscio	481	141	65	133	1	100.0
150	Guscio	145	151	134	136	1	100.0
151	Guscio	150	155	62	137	1	100.0
152	Guscio	155	481	133	62	1	100.0
153	Guscio	53	156	145	141	1	100.0
154	Guscio	154	160	150	146	1	100.0
155	Guscio	152	53	141	481	1	100.0
156	Guscio	45	48	875	874	1	25.0
157	Guscio	156	153	151	145	1	100.0
158	Guscio	199	45	874	258	1	25.0
159	Guscio	160	50	155	150	1	100.0
160	Guscio	42	169	255	873	1	25.0
161	Guscio	50	152	481	155	1	100.0
162	Guscio	162	163	156	53	1	100.0
163	Guscio	39	42	873	872	1	25.0
164	Guscio	164	175	160	154	1	100.0
165	Guscio	473	162	53	152	1	100.0
166	Guscio	163	177	153	156	1	100.0
167	Guscio	175	185	50	160	1	100.0
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169	Guscio	41	189	163	162	1	100.0
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172	Guscio	189	148	177	163	1	100.0
173	Guscio	193	38	185	175	1	100.0
174	Guscio	38	147	473	185	1	100.0
175	Guscio	249	252	189	41	1	100.0
176	Guscio	261	264	193	149	1	100.0
177	Guscio	468	249	41	147	1	100.0
178	Guscio	252	273	148	189	1	100.0
179	Guscio	264	274	38	193	1	100.0
180	Guscio	274	468	147	38	1	100.0
181	Guscio	29	275	252	249	1	100.0
182	Guscio	144	276	264	261	1	100.0
183	Guscio	142	29	249	468	1	100.0
184	Guscio	275	143	273	252	1	100.0
185	Guscio	276	26	274	264	1	100.0
186	Guscio	279	399	102		1	100.0
187	Guscio	36	39	872	871	1	25.0
188	Guscio	33	36	871	870	1	25.0
189	Guscio	30	33	870	869	1	25.0
190	Guscio	27	30	869	298	1	25.0
191	Setto	348	349	97	575	1	150.0
192	Setto	351	71	462	349	1	150.0
193	Setto	349	462	99	97	1	150.0
194	Setto	352	355	157	549	1	150.0
195	Setto	356	363	348	355	1	150.0
196	Setto	370	85	84	83	1	150.0
197	Setto	371	382	361	360	1	150.0
198	Setto	277	384	383	525	1	150.0
199	Setto	363	351	349	348	1	150.0
200	Setto	364	356	355	352	1	150.0
201	Setto	203	359	357	504	1	150.0
202	Guscio	128	74	443		1	100.0
203	Setto	867	387	386	385	1	150.0
204	Setto	868	390	389	388	1	150.0
205	Setto	212	392	391	408	1	150.0
206	Setto	355	348	575	157	1	150.0
207	Guscio	24	27	298	297	1	25.0
208	Guscio	21	24	297	167	1	25.0
209	Setto	504	357	112	325	1	150.0
210	Setto	359	364	352	357	1	150.0
211	Setto	357	352	549	112	1	150.0
212	Guscio	140	128	443	442	1	100.0

213	Guscio	446	77	124		1	100.0
214	Guscio	124	139	445	446	1	100.0
215	Setto	360	361	316	303	1	150.0
216	Setto	382	370	83	361	1	150.0
217	Setto	361	83	305	316	1	150.0
218	Setto	525	383	293	319	1	150.0
219	Setto	384	371	360	383	1	150.0
220	Setto	383	360	303	293	1	150.0
221	Setto	385	386	404	324	1	150.0
222	Setto	387	80	496	386	1	150.0
223	Setto	386	496	327	404	1	150.0
224	Setto	388	389	394	328	1	150.0
225	Setto	390	867	385	389	1	150.0
226	Setto	389	385	324	394	1	150.0
227	Setto	408	391	381	353	1	150.0
228	Guscio	1066	21	167	270	1	25.0
229	Setto	392	868	388	391	1	150.0
230	Setto	391	388	328	381	1	150.0
231	Setto	487	398	411	330	1	150.0
232	Guscio	165	1066	270	246	1	25.0
233	Setto	400	318	197	402	1	150.0
234	Setto	470	368	393	158	1	150.0
235	Guscio	169	199	258	255	1	25.0
236	Setto	376	98	334	429	1	150.0
237	Setto	439	517	350	416	1	150.0
238	Setto	453	444	380	81	1	150.0
239	Guscio	399	365	206	102	1	100.0
240	Guscio	448	395	397	396	1	100.0
241	Guscio	396	397	365	399	1	100.0
242	Setto	23	434	444	453	1	150.0
243	Setto	142	877	368	470	1	150.0
244	Setto	32	436	398	487	1	150.0
245	Setto	437	263	517	439	1	150.0
246	Setto	440	320	98	376	1	150.0
247	Setto	438	272	318	400	1	150.0
248	Setto	449	450	452	82	1	150.0
249	Setto	451	23	453	450	1	150.0
250	Setto	450	453	81	452	1	150.0
251	Setto	454	455	457	93	1	150.0
252	Setto	456	35	449	455	1	150.0
253	Setto	455	449	82	457	1	150.0
254	Setto	458	459	461	96	1	150.0
255	Setto	460	47	454	459	1	150.0
256	Setto	459	454	93	461	1	150.0
257	Setto	462	463	465	99	1	150.0
258	Setto	464	59	458	463	1	150.0
259	Setto	463	458	96	465	1	150.0
260	Setto	466	467	469	159	1	150.0
261	Setto	468	142	470	467	1	150.0
262	Setto	467	470	158	469	1	150.0
263	Setto	471	472	474	103	1	150.0
264	Setto	473	147	466	472	1	150.0
265	Setto	472	466	159	474	1	150.0
266	Setto	475	476	478	111	1	150.0
267	Setto	477	133	479	476	1	150.0
268	Setto	476	479	88	478	1	150.0
269	Setto	479	480	482	88	1	150.0
270	Setto	481	152	471	480	1	150.0
271	Setto	480	471	103	482	1	150.0
272	Setto	483	484	486	86	1	150.0
273	Setto	485	32	487	484	1	150.0
274	Setto	484	487	330	486	1	150.0
275	Setto	488	489	491	118	1	150.0
276	Setto	490	44	483	489	1	150.0
277	Setto	489	483	86	491	1	150.0
278	Setto	492	493	495	131	1	150.0
279	Setto	494	56	488	493	1	150.0
280	Setto	493	488	118	495	1	150.0
281	Setto	496	497	499	327	1	150.0
282	Setto	498	68	492	497	1	150.0
283	Setto	497	492	131	499	1	150.0
284	Setto	500	501	503	326	1	150.0

285	Setto	502	203	504	501	1	150.0
286	Setto	501	504	325	503	1	150.0
287	Setto	505	506	508	332	1	150.0
288	Setto	507	215	500	506	1	150.0
289	Setto	506	500	326	508	1	150.0
290	Setto	509	510	512	338	1	150.0
291	Setto	511	227	505	510	1	150.0
292	Setto	510	505	332	512	1	150.0
293	Setto	513	514	516	344	1	150.0
294	Setto	515	239	509	514	1	150.0
295	Setto	514	509	338	516	1	150.0
296	Setto	517	518	520	350	1	150.0
297	Setto	519	251	513	518	1	150.0
298	Setto	518	513	344	520	1	150.0
299	Setto	521	522	524	335	1	150.0
300	Setto	523	277	525	522	1	150.0
301	Setto	522	525	319	524	1	150.0
302	Setto	526	527	529	337	1	150.0
303	Setto	528	280	521	527	1	150.0
304	Setto	527	521	335	529	1	150.0
305	Setto	530	531	306	340	1	150.0
306	Setto	532	290	526	531	1	150.0
307	Setto	531	526	337	306	1	150.0
308	Setto	307	308	435	341	1	150.0
309	Setto	304	300	530	308	1	150.0
310	Setto	308	530	340	435	1	150.0
311	Setto	98	122	401	334	1	150.0
312	Setto	176	310	307	122	1	150.0
313	Setto	122	307	341	401	1	150.0
314	Setto	403	405	407	354	1	150.0
315	Setto	406	212	408	405	1	150.0
316	Setto	405	408	353	407	1	150.0
317	Setto	409	110	125	358	1	150.0
318	Setto	113	224	403	110	1	150.0
319	Setto	110	403	354	125	1	150.0
320	Setto	132	161	284	362	1	150.0
321	Setto	283	236	409	161	1	150.0
322	Setto	161	409	358	284	1	150.0
323	Setto	285	286	288	181	1	150.0
324	Setto	287	248	132	286	1	150.0
325	Setto	286	132	362	288	1	150.0
326	Setto	318	323	373	197	1	150.0
327	Setto	372	260	285	323	1	150.0
328	Setto	323	285	181	373	1	150.0
329	Setto	83	84	87	305	1	150.0
330	Setto	85	138	475	84	1	150.0
331	Setto	84	475	111	87	1	150.0
332	Guscio	26	142	468	274	1	100.0
333	Guscio	374	378	379	375	1	100.0
334	Guscio	395	382	371	397	1	100.0
335	Guscio	397	371	384	365	1	100.0
336	Guscio	365	384	277	206	1	100.0
337	Guscio	375	379	441	377	1	100.0
338	Guscio	382	374	375	371	1	100.0
339	Guscio	371	375	377	384	1	100.0
340	Guscio	384	377	209	277	1	100.0
341	Guscio	101	441	278		1	100.0
342	Guscio	377	441	101	209	1	100.0
343	Guscio	442	443	366	447	1	100.0
344	Guscio	447	366	395	448	1	100.0
345	Guscio	882	536	275	29	1	100.0
346	Guscio	535	537	276	144	1	100.0
347	Guscio	533	882	29	142	1	100.0
348	Guscio	536	534	143	275	1	100.0
349	Guscio	537	883	26	276	1	100.0
350	Guscio	883	533	142	26	1	100.0
351	Guscio	269	425	541	545	1	100.0
352	Guscio	322	428	542	540	1	100.0
353	Guscio	320	269	545	538	1	100.0
354	Guscio	425	321	539	541	1	100.0
355	Guscio	428	266	546	542	1	100.0
356	Guscio	266	320	538	546	1	100.0

357	Guscio	564	380	81	550	1	150.0
358	Guscio	590	564	550	576	1	150.0
359	Guscio	550	81	452	566	1	150.0
360	Guscio	576	550	566	592	1	150.0
361	Guscio	566	452	82	551	1	150.0
362	Guscio	592	566	551	577	1	150.0
363	Guscio	551	82	457	567	1	150.0
364	Guscio	577	551	567	593	1	150.0
365	Guscio	567	457	93	552	1	150.0
366	Guscio	593	567	552	578	1	150.0
367	Guscio	552	93	461	568	1	150.0
368	Guscio	578	552	568	594	1	150.0
369	Guscio	568	461	96	553	1	150.0
370	Guscio	594	568	553	579	1	150.0
371	Guscio	553	96	465	569	1	150.0
372	Guscio	579	553	569	595	1	150.0
373	Guscio	569	465	99	555	1	150.0
374	Guscio	595	569	555	581	1	150.0
375	Guscio	555	99	97	554	1	150.0
376	Guscio	581	555	554	580	1	150.0
377	Guscio	580	554	603	604	1	150.0
378	Guscio	554	97	575	603	1	150.0
379	Guscio	603	575	157	601	1	150.0
380	Guscio	604	603	601	583	1	150.0
381	Guscio	601	157	549	599	1	150.0
382	Guscio	583	601	599	558	1	150.0
383	Guscio	599	549	112	600	1	150.0
384	Guscio	558	599	600	582	1	150.0
385	Guscio	600	112	325	602	1	150.0
386	Guscio	582	600	602	584	1	150.0
387	Guscio	602	325	503	570	1	150.0
388	Guscio	584	602	570	596	1	150.0
389	Guscio	570	503	326	559	1	150.0
390	Guscio	596	570	559	585	1	150.0
391	Guscio	559	326	508	571	1	150.0
392	Guscio	585	559	571	597	1	150.0
393	Guscio	571	508	332	560	1	150.0
394	Guscio	597	571	560	586	1	150.0
395	Guscio	560	332	512	572	1	150.0
396	Guscio	586	560	572	598	1	150.0
397	Guscio	572	512	338	561	1	150.0
398	Guscio	598	572	561	587	1	150.0
399	Guscio	561	338	516	573	1	150.0
400	Guscio	587	561	573	556	1	150.0
401	Guscio	573	516	344	562	1	150.0
402	Guscio	556	573	562	588	1	150.0
403	Guscio	562	344	520	574	1	150.0
404	Guscio	588	562	574	557	1	150.0
405	Guscio	574	520	350	563	1	150.0
406	Guscio	557	574	563	589	1	150.0
407	Guscio	589	563	565	591	1	150.0
408	Guscio	563	350	416	565	1	150.0
409	Guscio	380	619	605	81	1	150.0
410	Guscio	81	605	621	452	1	150.0
411	Guscio	452	621	606	82	1	150.0
412	Guscio	82	606	622	457	1	150.0
413	Guscio	457	622	607	93	1	150.0
414	Guscio	93	607	623	461	1	150.0
415	Guscio	461	623	608	96	1	150.0
416	Guscio	96	608	624	465	1	150.0
417	Guscio	465	624	610	99	1	150.0
418	Guscio	99	610	609	97	1	150.0
419	Guscio	97	609	632	575	1	150.0
420	Guscio	575	632	612	157	1	150.0
421	Guscio	157	612	630	549	1	150.0
422	Guscio	549	630	611	112	1	150.0
423	Guscio	112	611	613	325	1	150.0
424	Guscio	325	613	625	503	1	150.0
425	Guscio	503	625	614	326	1	150.0
426	Guscio	326	614	626	508	1	150.0
427	Guscio	508	626	615	332	1	150.0
428	Guscio	332	615	627	512	1	150.0

429	Guscio	512	627	616	338	1	150.0
430	Guscio	338	616	628	516	1	150.0
431	Guscio	516	628	617	344	1	150.0
432	Guscio	344	617	629	520	1	150.0
433	Guscio	520	629	618	350	1	150.0
434	Guscio	350	618	620	416	1	150.0
435	Guscio	619	647	633	605	1	150.0
436	Guscio	605	633	649	621	1	150.0
437	Guscio	621	649	634	606	1	150.0
438	Guscio	606	634	650	622	1	150.0
439	Guscio	622	650	635	607	1	150.0
440	Guscio	607	635	651	623	1	150.0
441	Guscio	623	651	636	608	1	150.0
442	Guscio	608	636	652	624	1	150.0
443	Guscio	624	652	638	610	1	150.0
444	Guscio	610	638	637	609	1	150.0
445	Guscio	609	637	684	632	1	150.0
446	Guscio	632	684	682	612	1	150.0
447	Guscio	612	682	680	630	1	150.0
448	Guscio	630	680	681	611	1	150.0
449	Guscio	611	681	683	613	1	150.0
450	Guscio	613	683	653	625	1	150.0
451	Guscio	625	653	642	614	1	150.0
452	Guscio	614	642	654	626	1	150.0
453	Guscio	626	654	643	615	1	150.0
454	Guscio	615	643	655	627	1	150.0
455	Guscio	627	655	644	616	1	150.0
456	Guscio	616	644	656	628	1	150.0
457	Guscio	628	656	645	617	1	150.0
458	Guscio	617	645	657	629	1	150.0
459	Guscio	629	657	646	618	1	150.0
460	Guscio	618	646	648	620	1	150.0
461	Guscio	711	393	158	698	1	150.0
462	Guscio	736	711	698	722	1	150.0
463	Guscio	698	158	469	713	1	150.0
464	Guscio	722	698	713	738	1	150.0
465	Guscio	713	469	159	699	1	150.0
466	Guscio	738	713	699	723	1	150.0
467	Guscio	699	159	474	714	1	150.0
468	Guscio	723	699	714	739	1	150.0
469	Guscio	714	474	103	700	1	150.0
470	Guscio	739	714	700	724	1	150.0
471	Guscio	700	103	482	715	1	150.0
472	Guscio	724	700	715	740	1	150.0
473	Guscio	715	482	88	701	1	150.0
474	Guscio	740	715	701	725	1	150.0
475	Guscio	701	88	478	716	1	150.0
476	Guscio	725	701	716	741	1	150.0
477	Guscio	716	478	111	702	1	150.0
478	Guscio	741	716	702	727	1	150.0
479	Guscio	702	111	87	346	1	150.0
480	Guscio	727	702	346	726	1	150.0
481	Guscio	726	346	749	750	1	150.0
482	Guscio	346	87	305	749	1	150.0
483	Guscio	749	305	316	747	1	150.0
484	Guscio	750	749	747	729	1	150.0
485	Guscio	747	316	303	745	1	150.0
486	Guscio	729	747	745	705	1	150.0
487	Guscio	745	303	293	746	1	150.0
488	Guscio	705	745	746	728	1	150.0
489	Guscio	746	293	319	748	1	150.0
490	Guscio	728	746	748	730	1	150.0
491	Guscio	748	319	524	717	1	150.0
492	Guscio	730	748	717	742	1	150.0
493	Guscio	717	524	335	706	1	150.0
494	Guscio	742	717	706	731	1	150.0
495	Guscio	706	335	529	718	1	150.0
496	Guscio	731	706	718	743	1	150.0
497	Guscio	718	529	337	707	1	150.0
498	Guscio	743	718	707	732	1	150.0
499	Guscio	707	337	306	719	1	150.0
500	Guscio	732	707	719	744	1	150.0

501	Guscio	719	306	340	708	1	150.0
502	Guscio	744	719	708	733	1	150.0
503	Guscio	708	340	435	720	1	150.0
504	Guscio	733	708	720	703	1	150.0
505	Guscio	720	435	341	709	1	150.0
506	Guscio	703	720	709	734	1	150.0
507	Guscio	709	341	401	721	1	150.0
508	Guscio	734	709	721	704	1	150.0
509	Guscio	721	401	334	710	1	150.0
510	Guscio	704	721	710	735	1	150.0
511	Guscio	735	710	712	737	1	150.0
512	Guscio	710	334	429	712	1	150.0
513	Guscio	393	765	751	158	1	150.0
514	Guscio	158	751	767	469	1	150.0
515	Guscio	469	767	752	159	1	150.0
516	Guscio	159	752	768	474	1	150.0
517	Guscio	474	768	753	103	1	150.0
518	Guscio	103	753	769	482	1	150.0
519	Guscio	482	769	754	88	1	150.0
520	Guscio	88	754	770	478	1	150.0
521	Guscio	478	770	756	111	1	150.0
522	Guscio	111	756	755	87	1	150.0
523	Guscio	87	755	777	305	1	150.0
524	Guscio	305	777	758	316	1	150.0
525	Guscio	316	758	776	303	1	150.0
526	Guscio	303	776	757	293	1	150.0
527	Guscio	293	757	759	319	1	150.0
528	Guscio	319	759	771	524	1	150.0
529	Guscio	524	771	760	335	1	150.0
530	Guscio	335	760	772	529	1	150.0
531	Guscio	529	772	761	337	1	150.0
532	Guscio	337	761	773	306	1	150.0
533	Guscio	306	773	762	340	1	150.0
534	Guscio	340	762	774	435	1	150.0
535	Guscio	435	774	763	341	1	150.0
536	Guscio	341	763	775	401	1	150.0
537	Guscio	401	775	764	334	1	150.0
538	Guscio	334	764	766	429	1	150.0
539	Guscio	765	792	778	751	1	150.0
540	Guscio	751	778	794	767	1	150.0
541	Guscio	767	794	779	752	1	150.0
542	Guscio	752	779	795	768	1	150.0
543	Guscio	768	795	780	753	1	150.0
544	Guscio	753	780	796	769	1	150.0
545	Guscio	769	796	781	754	1	150.0
546	Guscio	754	781	797	770	1	150.0
547	Guscio	770	797	783	756	1	150.0
548	Guscio	756	783	782	755	1	150.0
549	Guscio	755	782	829	777	1	150.0
550	Guscio	777	829	827	758	1	150.0
551	Guscio	758	827	825	776	1	150.0
552	Guscio	776	825	826	757	1	150.0
553	Guscio	757	826	828	759	1	150.0
554	Guscio	759	828	798	771	1	150.0
555	Guscio	771	798	787	760	1	150.0
556	Guscio	760	787	799	772	1	150.0
557	Guscio	772	799	788	761	1	150.0
558	Guscio	761	788	800	773	1	150.0
559	Guscio	773	800	789	762	1	150.0
560	Guscio	762	789	801	774	1	150.0
561	Guscio	774	801	790	763	1	150.0
562	Guscio	763	790	802	775	1	150.0
563	Guscio	775	802	791	764	1	150.0
564	Guscio	764	791	793	766	1	150.0
565	Guscio	856	411	330	843	1	150.0
566	Guscio	662	856	843	299	1	150.0
567	Guscio	843	330	486	858	1	150.0
568	Guscio	299	843	858	664	1	150.0
569	Guscio	858	486	86	844	1	150.0
570	Guscio	664	858	844	309	1	150.0
571	Guscio	844	86	491	859	1	150.0
572	Guscio	309	844	859	665	1	150.0

573	Guscio	859	491	118	845	1	150.0
574	Guscio	665	859	845	543	1	150.0
575	Guscio	845	118	495	860	1	150.0
576	Guscio	543	845	860	666	1	150.0
577	Guscio	860	495	131	846	1	150.0
578	Guscio	666	860	846	544	1	150.0
579	Guscio	846	131	499	861	1	150.0
580	Guscio	544	846	861	667	1	150.0
581	Guscio	861	499	327	847	1	150.0
582	Guscio	667	861	847	548	1	150.0
583	Guscio	847	327	404	347	1	150.0
584	Guscio	548	847	347	547	1	150.0
585	Guscio	547	347	675	676	1	150.0
586	Guscio	347	404	324	675	1	150.0
587	Guscio	675	324	394	673	1	150.0
588	Guscio	676	675	673	639	1	150.0
589	Guscio	673	394	328	671	1	150.0
590	Guscio	639	673	671	850	1	150.0
591	Guscio	671	328	381	672	1	150.0
592	Guscio	850	671	672	631	1	150.0
593	Guscio	672	381	353	674	1	150.0
594	Guscio	631	672	674	640	1	150.0
595	Guscio	674	353	407	862	1	150.0
596	Guscio	640	674	862	668	1	150.0
597	Guscio	862	407	354	851	1	150.0
598	Guscio	668	862	851	641	1	150.0
599	Guscio	851	354	125	863	1	150.0
600	Guscio	641	851	863	669	1	150.0
601	Guscio	863	125	358	852	1	150.0
602	Guscio	669	863	852	658	1	150.0
603	Guscio	852	358	284	864	1	150.0
604	Guscio	658	852	864	670	1	150.0
605	Guscio	864	284	362	853	1	150.0
606	Guscio	670	864	853	659	1	150.0
607	Guscio	853	362	288	865	1	150.0
608	Guscio	659	853	865	848	1	150.0
609	Guscio	865	288	181	854	1	150.0
610	Guscio	848	865	854	660	1	150.0
611	Guscio	854	181	373	866	1	150.0
612	Guscio	660	854	866	849	1	150.0
613	Guscio	866	373	197	855	1	150.0
614	Guscio	849	866	855	661	1	150.0
615	Guscio	661	855	857	663	1	150.0
616	Guscio	855	197	402	857	1	150.0
617	Guscio	411	696	677	330	1	150.0
618	Guscio	330	677	784	486	1	150.0
619	Guscio	486	784	678	86	1	150.0
620	Guscio	86	678	785	491	1	150.0
621	Guscio	491	785	679	118	1	150.0
622	Guscio	118	679	786	495	1	150.0
623	Guscio	495	786	685	131	1	150.0
624	Guscio	131	685	803	499	1	150.0
625	Guscio	499	803	687	327	1	150.0
626	Guscio	327	687	686	404	1	150.0
627	Guscio	404	686	810	324	1	150.0
628	Guscio	324	810	689	394	1	150.0
629	Guscio	394	689	809	328	1	150.0
630	Guscio	328	809	688	381	1	150.0
631	Guscio	381	688	690	353	1	150.0
632	Guscio	353	690	804	407	1	150.0
633	Guscio	407	804	691	354	1	150.0
634	Guscio	354	691	805	125	1	150.0
635	Guscio	125	805	692	358	1	150.0
636	Guscio	358	692	806	284	1	150.0
637	Guscio	284	806	693	362	1	150.0
638	Guscio	362	693	807	288	1	150.0
639	Guscio	288	807	694	181	1	150.0
640	Guscio	181	694	808	373	1	150.0
641	Guscio	373	808	695	197	1	150.0
642	Guscio	197	695	697	402	1	150.0
643	Guscio	696	830	811	677	1	150.0
644	Guscio	677	811	832	784	1	150.0

645	Guscio	784	832	812	678	1	150.0
646	Guscio	678	812	833	785	1	150.0
647	Guscio	785	833	813	679	1	150.0
648	Guscio	679	813	834	786	1	150.0
649	Guscio	786	834	814	685	1	150.0
650	Guscio	685	814	835	803	1	150.0
651	Guscio	803	835	816	687	1	150.0
652	Guscio	687	816	815	686	1	150.0
653	Guscio	686	815	842	810	1	150.0
654	Guscio	810	842	819	689	1	150.0
655	Guscio	689	819	817	809	1	150.0
656	Guscio	809	817	818	688	1	150.0
657	Guscio	688	818	841	690	1	150.0
658	Guscio	690	841	836	804	1	150.0
659	Guscio	804	836	820	691	1	150.0
660	Guscio	691	820	837	805	1	150.0
661	Guscio	805	837	821	692	1	150.0
662	Guscio	692	821	838	806	1	150.0
663	Guscio	806	838	822	693	1	150.0
664	Guscio	693	822	839	807	1	150.0
665	Guscio	807	839	823	694	1	150.0
666	Guscio	694	823	840	808	1	150.0
667	Guscio	808	840	824	695	1	150.0
668	Guscio	695	824	831	697	1	150.0
669	Guscio	1065	196	200	69	1	25.0
670	Guscio	1064	1065	69	66	1	25.0
671	Guscio	1063	1064	66	63	1	25.0
672	Guscio	1062	1063	63	60	1	25.0
673	Guscio	1061	1062	60	57	1	25.0
674	Guscio	1060	1061	57	54	1	25.0
675	Guscio	1059	1060	54	51	1	25.0
676	Guscio	1058	1059	51	48	1	25.0
677	Guscio	1057	1058	48	45	1	25.0
678	Guscio	195	1057	45	199	1	25.0
679	Guscio	987	988	1006	1005	1	25.0
680	Guscio	1047	192	196	1065	1	25.0
681	Guscio	1046	1047	1065	1064	1	25.0
682	Guscio	1045	1046	1064	1063	1	25.0
683	Guscio	1044	1045	1063	1062	1	25.0
684	Guscio	1043	1044	1062	1061	1	25.0
685	Guscio	1042	1043	1061	1060	1	25.0
686	Guscio	1041	1042	1060	1059	1	25.0
687	Guscio	1040	1041	1059	1058	1	25.0
688	Guscio	1039	1040	1058	1057	1	25.0
689	Guscio	191	1039	1057	195	1	25.0
690	Guscio	986	987	1005	1004	1	25.0
691	Guscio	1029	188	192	1047	1	25.0
692	Guscio	1028	1029	1047	1046	1	25.0
693	Guscio	1027	1028	1046	1045	1	25.0
694	Guscio	1026	1027	1045	1044	1	25.0
695	Guscio	1025	1026	1044	1043	1	25.0
696	Guscio	1024	1025	1043	1042	1	25.0
697	Guscio	1023	1024	1042	1041	1	25.0
698	Guscio	1022	1023	1041	1040	1	25.0
699	Guscio	1021	1022	1040	1039	1	25.0
700	Guscio	187	1021	1039	191	1	25.0
701	Guscio	985	986	1004	1003	1	25.0
702	Guscio	1011	184	188	1029	1	25.0
703	Guscio	1010	1011	1029	1028	1	25.0
704	Guscio	1009	1010	1028	1027	1	25.0
705	Guscio	1008	1009	1027	1026	1	25.0
706	Guscio	1007	1008	1026	1025	1	25.0
707	Guscio	1006	1007	1025	1024	1	25.0
708	Guscio	1005	1006	1024	1023	1	25.0
709	Guscio	1004	1005	1023	1022	1	25.0
710	Guscio	1003	1004	1022	1021	1	25.0
711	Guscio	183	1003	1021	187	1	25.0
712	Guscio	179	985	1003	183	1	25.0
713	Guscio	993	180	184	1011	1	25.0
714	Guscio	992	993	1011	1010	1	25.0
715	Guscio	991	992	1010	1009	1	25.0
716	Guscio	990	991	1009	1008	1	25.0

717	Guscio	989	990	1008	1007	1	25.0
718	Guscio	988	989	1007	1006	1	25.0
719	Guscio	957	16	20	975	1	25.0
720	Guscio	956	957	975	974	1	25.0
721	Guscio	955	956	974	973	1	25.0
722	Guscio	954	955	973	972	1	25.0
723	Guscio	953	954	972	971	1	25.0
724	Guscio	952	953	971	970	1	25.0
725	Guscio	951	952	970	969	1	25.0
726	Guscio	950	951	969	968	1	25.0
727	Guscio	949	950	968	967	1	25.0
728	Guscio	15	949	967	19	1	25.0
729	Guscio	939	12	16	957	1	25.0
730	Guscio	938	939	957	956	1	25.0
731	Guscio	937	938	956	955	1	25.0
732	Guscio	936	937	955	954	1	25.0
733	Guscio	935	936	954	953	1	25.0
734	Guscio	934	935	953	952	1	25.0
735	Guscio	933	934	952	951	1	25.0
736	Guscio	932	933	951	950	1	25.0
737	Guscio	931	932	950	949	1	25.0
738	Guscio	11	931	949	15	1	25.0
739	Guscio	921	8	12	939	1	25.0
740	Guscio	920	921	939	938	1	25.0
741	Guscio	919	920	938	937	1	25.0
742	Guscio	918	919	937	936	1	25.0
743	Guscio	917	918	936	935	1	25.0
744	Guscio	916	917	935	934	1	25.0
745	Guscio	915	916	934	933	1	25.0
746	Guscio	914	915	933	932	1	25.0
747	Guscio	913	914	932	931	1	25.0
748	Guscio	7	913	931	11	1	25.0
749	Guscio	903	4	8	921	1	25.0
750	Guscio	902	903	921	920	1	25.0
751	Guscio	901	902	920	919	1	25.0
752	Guscio	900	901	919	918	1	25.0
753	Guscio	899	900	918	917	1	25.0
754	Guscio	898	899	917	916	1	25.0
755	Guscio	897	898	916	915	1	25.0
756	Guscio	896	897	915	914	1	25.0
757	Guscio	895	896	914	913	1	25.0
758	Guscio	3	895	913	7	1	25.0
759	Guscio	1056	168	169	42	1	25.0
760	Guscio	1055	1056	42	39	1	25.0
761	Guscio	1054	1055	39	36	1	25.0
762	Guscio	1053	1054	36	33	1	25.0
763	Guscio	1052	1053	33	30	1	25.0
764	Guscio	1051	1052	30	27	1	25.0
765	Guscio	1050	1051	27	24	1	25.0
766	Guscio	1049	1050	24	21	1	25.0
767	Guscio	1048	1049	21	1066	1	25.0
768	Guscio	166	1048	1066	165	1	25.0
769	Guscio	1038	190	168	1056	1	25.0
770	Guscio	1037	1038	1056	1055	1	25.0
771	Guscio	1036	1037	1055	1054	1	25.0
772	Guscio	1035	1036	1054	1053	1	25.0
773	Guscio	1034	1035	1053	1052	1	25.0
774	Guscio	1033	1034	1052	1051	1	25.0
775	Guscio	1032	1033	1051	1050	1	25.0
776	Guscio	1031	1032	1050	1049	1	25.0
777	Guscio	1030	1031	1049	1048	1	25.0
778	Guscio	174	1030	1048	166	1	25.0
779	Guscio	1020	186	190	1038	1	25.0
780	Guscio	1019	1020	1038	1037	1	25.0
781	Guscio	1018	1019	1037	1036	1	25.0
782	Guscio	1017	1018	1036	1035	1	25.0
783	Guscio	1016	1017	1035	1034	1	25.0
784	Guscio	1015	1016	1034	1033	1	25.0
785	Guscio	1014	1015	1033	1032	1	25.0
786	Guscio	1013	1014	1032	1031	1	25.0
787	Guscio	1012	1013	1031	1030	1	25.0
788	Guscio	173	1012	1030	174	1	25.0

789	Guscio	1002	182	186	1020	1	25.0
790	Guscio	1001	1002	1020	1019	1	25.0
791	Guscio	1000	1001	1019	1018	1	25.0
792	Guscio	999	1000	1018	1017	1	25.0
793	Guscio	998	999	1017	1016	1	25.0
794	Guscio	997	998	1016	1015	1	25.0
795	Guscio	996	997	1015	1014	1	25.0
796	Guscio	995	996	1014	1013	1	25.0
797	Guscio	994	995	1013	1012	1	25.0
798	Guscio	172	994	1012	173	1	25.0
799	Guscio	984	178	182	1002	1	25.0
800	Guscio	983	984	1002	1001	1	25.0
801	Guscio	982	983	1001	1000	1	25.0
802	Guscio	981	982	1000	999	1	25.0
803	Guscio	980	981	999	998	1	25.0
804	Guscio	979	980	998	997	1	25.0
805	Guscio	978	979	997	996	1	25.0
806	Guscio	977	978	996	995	1	25.0
807	Guscio	976	977	995	994	1	25.0
808	Guscio	171	976	994	172	1	25.0
809	Guscio	948	14	18	966	1	25.0
810	Guscio	947	948	966	965	1	25.0
811	Guscio	946	947	965	964	1	25.0
812	Guscio	945	946	964	963	1	25.0
813	Guscio	944	945	963	962	1	25.0
814	Guscio	943	944	962	961	1	25.0
815	Guscio	942	943	961	960	1	25.0
816	Guscio	941	942	960	959	1	25.0
817	Guscio	940	941	959	958	1	25.0
818	Guscio	13	940	958	17	1	25.0
819	Guscio	930	10	14	948	1	25.0
820	Guscio	929	930	948	947	1	25.0
821	Guscio	928	929	947	946	1	25.0
822	Guscio	927	928	946	945	1	25.0
823	Guscio	926	927	945	944	1	25.0
824	Guscio	925	926	944	943	1	25.0
825	Guscio	924	925	943	942	1	25.0
826	Guscio	923	924	942	941	1	25.0
827	Guscio	922	923	941	940	1	25.0
828	Guscio	9	922	940	13	1	25.0
829	Guscio	912	6	10	930	1	25.0
830	Guscio	911	912	930	929	1	25.0
831	Guscio	910	911	929	928	1	25.0
832	Guscio	909	910	928	927	1	25.0
833	Guscio	908	909	927	926	1	25.0
834	Guscio	907	908	926	925	1	25.0
835	Guscio	906	907	925	924	1	25.0
836	Guscio	905	906	924	923	1	25.0
837	Guscio	904	905	923	922	1	25.0
838	Guscio	5	904	922	9	1	25.0
839	Guscio	894	2	6	912	1	25.0
840	Guscio	893	894	912	911	1	25.0
841	Guscio	892	893	911	910	1	25.0
842	Guscio	891	892	910	909	1	25.0
843	Guscio	890	891	909	908	1	25.0
844	Guscio	889	890	908	907	1	25.0
845	Guscio	888	889	907	906	1	25.0
846	Guscio	887	888	906	905	1	25.0
847	Guscio	886	887	905	904	1	25.0
848	Guscio	1	886	904	5	1	25.0
849	Guscio	2	3	7	6	1	25.0
850	Guscio	6	7	11	10	1	25.0
851	Guscio	10	11	15	14	1	25.0
852	Guscio	14	15	19	18	1	25.0
853	Guscio	178	179	183	182	1	25.0
854	Guscio	182	183	187	186	1	25.0
855	Guscio	186	187	191	190	1	25.0
856	Guscio	190	191	195	168	1	25.0
857	Guscio	168	195	199	169	1	25.0
858	Guscio	975	20	180	993	1	25.0
859	Guscio	974	975	993	992	1	25.0
860	Guscio	973	974	992	991	1	25.0

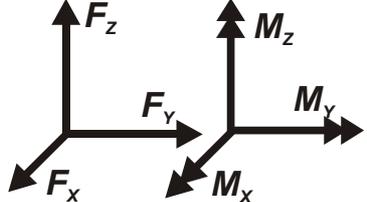
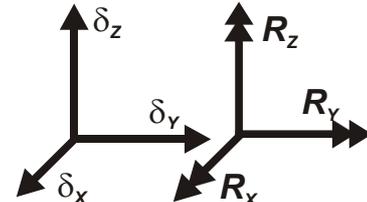
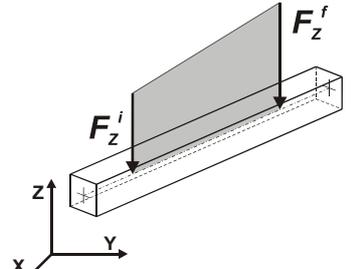
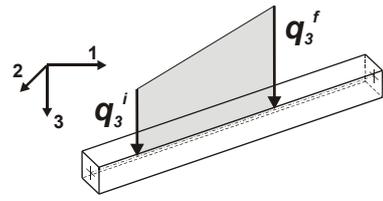
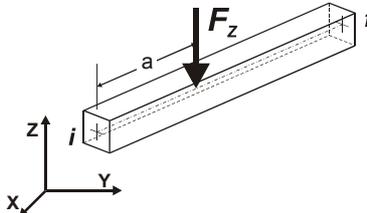
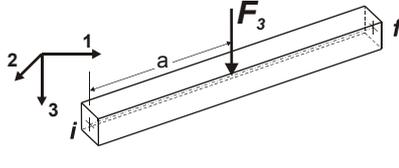
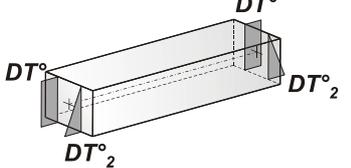
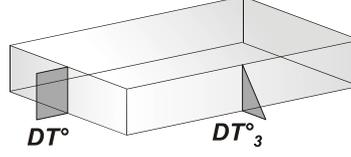
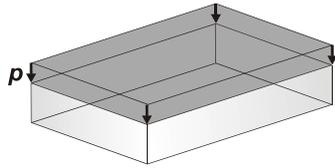
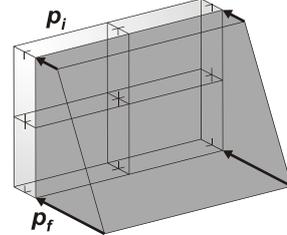
861	Guscio	972	973	991	990	1	25.0
862	Guscio	971	972	990	989	1	25.0
863	Guscio	970	971	989	988	1	25.0
864	Guscio	969	970	988	987	1	25.0
865	Guscio	968	969	987	986	1	25.0
866	Guscio	967	968	986	985	1	25.0
867	Guscio	19	967	985	179	1	25.0
868	Guscio	18	19	179	178	1	25.0

8. MODELLAZIONE DELLE AZIONI

8.1 LEGENDA TABELLA DATI AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	carico concentrato nodale 6 dati (forza F_x, F_y, F_z , momento M_x, M_y, M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x, T_y, T_z , rotazione R_x, R_y, R_z)
3	carico distribuito globale su elemento tipo trave 7 dati ($f_x, f_y, f_z, m_x, m_y, m_z$, ascissa di inizio carico) 7 dati ($f_x, f_y, f_z, m_x, m_y, m_z$, ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati ($f_1, f_2, f_3, m_1, m_2, m_3$, ascissa di inizio carico) 7 dati ($f_1, f_2, f_3, m_1, m_2, m_3$, ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati ($F_x, F_y, F_z, M_x, M_y, M_z$, ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati ($F_1, F_2, F_3, M_1, M_2, M_3$, ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)

 <p>Carico nodale concentrato</p>	 <p>Spostamento impresso</p>
 <p>Carico globale distribuito</p>	 <p>Carico locale distribuito</p>
 <p>Carico globale concentrato</p>	 <p>Carico locale concentrato</p>
 <p>Carico termico 2D</p>	 <p>Carico termico 3D</p>
 <p>Carico uniforme pressione</p>	 <p>Carico variabile pressione</p>

Tipo carico distribuito globale su trave

Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		m	kN/ m	kN/ m	kN/ m	kN	kN	kN
3	Q1K	0.0	0.0	0.0	-200.00	0.0	0.0	0.0
		0.0	0.0	0.0	-200.00	0.0	0.0	0.0
4	Q2K	0.0	0.0	0.0	-66.67	0.0	0.0	0.0
		0.0	0.0	0.0	-66.67	0.0	0.0	0.0
5	Q3K	0.0	0.0	0.0	-33.33	0.0	0.0	0.0
		0.0	0.0	0.0	-33.33	0.0	0.0	0.0

Tipo carico variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		m	kN/ m2	m	kN/ m2
1	qrk				
	Z - Z Qz Area L2=0.0	2.19	-2.50	2.21	-2.50
2	q1k				
	Y - Y Qz Area L2=0.0	2.19	-6.50	2.21	-6.50
6	Stx+				
	Z - Z Qx Area L2=0.0	-1.95	31.82	2.20	0.0
7	Stx-				
	Z - Z Qx Area L2=0.0	-1.95	-32.82	2.20	0.0
8	Ssx+				
	Z - Z Qx Area L2=0.0	-1.95	11.21	2.20	11.21
9	Ssx-				
	Z - Z Qx Area L2=0.0	-1.95	-11.21	2.20	-11.21

9. SCHEMATIZZAZIONE DEI CASI DI CARICO

9.1 LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.

Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	Tipo	Descrizione
1	Ggk	A	caso di carico comprensivo del peso proprio struttura
2	Gk	NA	caso di carico con azioni permanenti
3	Qk	NA	caso di carico con azioni variabili
4	Gsk	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	Qsk	A	caso di carico comprensivo dei carichi variabili sui solai
6	Qnk	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	Qtk	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	Qvk	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	Esk	SA	caso di carico sismico con analisi statica equivalente
10	Edk	SA	caso di carico sismico con analisi dinamica
11	Pk	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico: 7-Qtk, in quanto richiede solo il valore della variazione termica;

9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso: *Numero Tipo e Sigla identificativa, Valore di riferimento* del caso di carico (se previsto).

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

Per i casi di carico di tipo sismico (9-Esk e 10-Edk) sono riportati i valori assunti per angolo di ingresso, intensità sismica, coefficiente di struttura e di fondazione se le analisi sono eseguite con il D.M. 96; sono riportati i valori di angolo di ingresso, fattore di importanza, zona sismica, accelerazione ag, categoria suolo, fattore di struttura, classe di duttilità, fattore riduzione per SLD se le analisi sono eseguite con l'Ordinanza 3274.

Per ogni caso di carico partecipante alla definizione delle masse viene riportata la relativa aliquota (partecipazione) considerata.

Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Qk	carico stradale distribuito	
			D3 :da 1 a 16 Azione : qrk
			D3 : 21 Azione : qrk
			D3 : 59 Azione : qrk
			D3 : 69 Azione : qrk
			D3 :da 85 a 88 Azione : qrk
			D3 :da 128 a 143 Azione : qrk
			D3 : 156 Azione : qrk
			D3 : 158 Azione : qrk
			D3 : 160 Azione : qrk
			D3 : 163 Azione : qrk
			D3 :da 187 a 190 Azione : qrk
			D3 :da 207 a 208 Azione : qrk
			D3 : 228 Azione : qrk
			D3 : 232 Azione : qrk
			D3 : 235 Azione : qrk
			D3 :da 669 a 678 Azione : qrk
			D3 : 679 Azione : qrk
			D3 :da 680 a 689 Azione : qrk
			D3 :da 690 a 701 Azione : qrk
			D3 :da 702 a 711 Azione : qrk
			D3 :da 712 a 728 Azione : qrk
			D3 :da 729 a 767 Azione : qrk
			D3 : 768 Azione : qrk
			D3 :da 769 a 777 Azione : qrk
			D3 : 778 Azione : qrk
			D3 :da 779 a 788 Azione : qrk
			D3 :da 789 a 796 Azione : qrk
			D3 : 797 Azione : qrk
			D3 : 798 Azione : qrk
			D3 :da 799 a 818 Azione : qrk
			D3 :da 819 a 851 Azione : qrk
			D3 :da 852 a 853 Azione : qrk
			D3 : 854 Azione : qrk
			D3 : 855 Azione : qrk
			D3 :da 856 a 857 Azione : qrk
			D3 :da 858 a 868 Azione : qrk
3	Qk	QA	
			D2 : 309 Azione : Q1K
			D2 : 311 Azione : Q2K
			D2 : 312 Azione : Q3K
			D2 : 318 Azione : Q3K
			D2 : 319 Azione : Q2K
			D2 : 320 Azione : Q1K
			D3 :da 669 a 678 Azione : qrk
			D3 :da 749 a 767 Azione : qrk
			D3 : 768 Azione : q1k
			D3 :da 839 a 851 Azione : qrk
			D3 : 857 Azione : qrk
4	Qk	QB	
			D2 : 335 Azione : Q1K
			D2 : 364 Azione : Q1K
			D2 : 365 Azione : Q2K
			D2 : 366 Azione : Q3K
			D2 : 368 Azione : Q3K
			D2 : 369 Azione : Q2K
			D3 :da 680 a 689 Azione : qrk
			D3 :da 739 a 767 Azione : qrk
			D3 :da 769 a 777 Azione : qrk
			D3 : 778 Azione : q1k
			D3 :da 829 a 851 Azione : qrk
			D3 :da 856 a 857 Azione : qrk
5	Qk	QC	
			D2 : 329 Azione : Q3K
			D2 : 343 Azione : Q3K
			D2 :da 344 a 345 Azione : Q1K

CDC	Tipo	Sigla Id	Note
			D2 : 348 Azione : Q2K
			D2 : 349 Azione : Q1K
			D2 : 350 Azione : Q2K
			D3 :da 702 a 711 Azione : qrk
			D3 :da 729 a 767 Azione : qrk
			D3 :da 789 a 796 Azione : qrk
			D3 : 797 Azione : q1k
			D3 : 797 Azione : qrk
			D3 : 798 Azione : q1k
			D3 : 798 Azione : qrk
			D3 :da 819 a 851 Azione : qrk
			D3 : 854 Azione : qrk
6	Qk	QD	
			D2 : 328 Azione : Q2K
			D2 : 345 Azione : Q1K
			D2 : 346 Azione : Q2K
			D2 : 347 Azione : Q3K
			D2 : 351 Azione : Q3K
			D2 : 352 Azione : Q1K
			D3 :da 702 a 711 Azione : qrk
			D3 :da 729 a 767 Azione : qrk
			D3 :da 789 a 796 Azione : qrk
			D3 : 797 Azione : qrk
			D3 : 798 Azione : q1k
			D3 :da 819 a 851 Azione : qrk
			D3 : 854 Azione : qrk
7	Qk	QE	
			D2 : 372 Azione : Q1K
			D2 : 373 Azione : Q2K
			D2 : 374 Azione : Q3K
			D2 : 375 Azione : Q1K
			D2 : 376 Azione : Q3K
			D2 : 377 Azione : Q2K
			D3 :da 680 a 689 Azione : qrk
			D3 :da 739 a 767 Azione : qrk
			D3 :da 769 a 777 Azione : qrk
			D3 : 778 Azione : q1k
			D3 :da 829 a 851 Azione : qrk
			D3 :da 856 a 857 Azione : qrk
8	Qk	QF	
			D2 : 333 Azione : Q1K
			D2 : 334 Azione : Q2K
			D2 : 337 Azione : Q1K
			D2 : 338 Azione : Q3K
			D2 :da 342 a 343 Azione : Q3K
			D2 : 357 Azione : Q2K
			D3 :da 669 a 678 Azione : qrk
			D3 :da 749 a 767 Azione : qrk
			D3 : 768 Azione : q1k
			D3 :da 839 a 851 Azione : qrk
			D3 : 857 Azione : qrk
9	Qk	carichi permanenti	
			D3 :da 17 a 20 Azione : Stx+
			D3 : 75 Azione : Stx-
			D3 :da 82 a 84 Azione : Stx-
			D3 :da 113 a 117 Azione : Stx+
			D3 :da 123 a 127 Azione : Stx-
			D3 :da 191 a 195 Azione : Stx+
			D3 :da 199 a 201 Azione : Stx+
			D3 :da 203 a 205 Azione : Stx-
			D3 : 206 Azione : Stx+
			D3 :da 209 a 211 Azione : Stx+
			D3 :da 221 a 227 Azione : Stx-
			D3 :da 229 a 231 Azione : Stx-
			D3 : 233 Azione : Stx-
			D3 :da 237 a 238 Azione : Stx+
			D3 : 242 Azione : Stx+
			D3 : 244 Azione : Stx-
			D3 : 245 Azione : Stx+

CDC	Tipo	Sigla Id	Note
			D3 : 247 Azione : Stx-
			D3 :da 248 a 259 Azione : Stx+
			D3 :da 272 a 283 Azione : Stx-
			D3 :da 284 a 298 Azione : Stx+
			D3 :da 314 a 328 Azione : Stx-
10	Qk	spinta terreno sismica	
			D3 :da 17 a 20 Azione : Ssx+
			D3 : 75 Azione : Ssx-
			D3 :da 82 a 84 Azione : Ssx-
			D3 :da 113 a 117 Azione : Ssx+
			D3 :da 123 a 127 Azione : Ssx-
			D3 :da 191 a 195 Azione : Ssx+
			D3 :da 199 a 201 Azione : Ssx+
			D3 :da 203 a 205 Azione : Ssx-
			D3 : 206 Azione : Ssx+
			D3 :da 209 a 211 Azione : Ssx+
			D3 :da 221 a 227 Azione : Ssx-
			D3 :da 229 a 231 Azione : Ssx-
			D3 : 233 Azione : Ssx-
			D3 :da 237 a 238 Azione : Ssx+
			D3 : 242 Azione : Ssx+
			D3 : 244 Azione : Ssx-
			D3 : 245 Azione : Ssx+
			D3 : 247 Azione : Ssx-
			D3 :da 248 a 259 Azione : Ssx+
			D3 :da 272 a 283 Azione : Ssx-
			D3 :da 284 a 298 Azione : Ssx+
			D3 :da 314 a 328 Azione : Ssx-
11	Esk	CDC=Esk (sisma stat. equiv.) alfa=0.0	
			angolo di ingresso:0.0
			fattore di importanza: 1.00
			zona sismica: 4
			accelerazione ag: 0.250 g
			categoria suolo: C
			fattore di struttura q: 1.000
			classe di duttilità CD: B
			periodo proprio T1: 0.218 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.472
			ordinata spettro Se(T1): 0.225
			eccentricità aggiuntiva: rapida
			partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 9 carichi permanenti
12	Esk	CDC=Esk (sisma stat. equiv.) alfa=90.00	
			angolo di ingresso:90.00
			fattore di importanza: 1.00
			zona sismica: 4
			accelerazione ag: 0.250 g
			categoria suolo: C
			fattore di struttura q: 1.000
			classe di duttilità CD: B
			periodo proprio T1: 0.218 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.472
			ordinata spettro Se(T1): 0.225
			eccentricità aggiuntiva: rapida
			partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 9 carichi permanenti

10. DEFINIZIONE DELLE COMBINAZIONI

10.1 LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente.

Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La tabella delle combinazioni riportata di seguito comprende le seguenti informazioni:

Numero, Tipo, Sigla identificativa e, per ogni caso di carico significativo, il peso nella combinazione.

Cmb	Tipo	Sigla Id	Peso	CDC
1	SLU	STR 01	1.00	CDC=Ggk (peso proprio della struttura)
			1.00	carichi permanenti
			1.00	spinta terreno sismica
			1.00	CDC=Esk (sisma stat. equiv.) alfa=0.0
2	SLU	SISMA Y	1.00	CDC=Ggk (peso proprio della struttura)
			1.00	carichi permanenti
			1.00	spinta terreno sismica
			1.00	CDC=Esk (sisma stat. equiv.) alfa=90.00

11. RISULTATI ANALISI SISMICHE

11.1 LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

- 9. Esk** caso di carico sismico con analisi statica equivalente
10. Edk caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

L'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi.

Nella colonna Note sono riportati gli usuali coefficienti definiti nel D.M. 96; se le analisi sono effettuate secondo l'Ordinanza 3274 sono riportati i seguenti valori:

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza - Tabella 4.3
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore di struttura q	Fattore dipendente dalla tipologia strutturale
Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Per ciascun caso di carico sismico viene riportato l'insieme di dati sottoriportati (le masse sono espresse in unità di forza):

- a) **analisi sismica statica equivalente:**
- quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo)
 - azione sismica complessiva
- b) **analisi sismica dinamica con spettro di risposta:**
- quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/Ls (per strutture a nucleo)
 - frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi
 - massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica (analisi effettuate con il D.M. 96) viene riportato il livello di deformazione η_T , η_P e η_D degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità $1000 \cdot \eta_T/h$ da confrontare direttamente con il valore 2 o 4 per la verifica.

Per ciascuna combinazione sismica definita SLD (analisi effettuate con l'Ordinanza 3274) viene riportato il livello di deformazione η_T (d_r) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità $1000 \cdot \eta_T/h$ da confrontare direttamente con i valori forniti dall'ordinanza (5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo l'allegato 10.A dell'Ordinanza 3274 e smi. In particolare la tabella, per ogni combinazione SLU sismica riporta il codice di verifica e i valori utilizzati per la verifica: spostamento d_E , area ridotta e dimensione A_2 , azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

Nodo	Nodo di appoggio dell'isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva, NV – verifica negativa, ND – verifica non completata

dE	Spostamento relativo tra le due facce (amplificato del 20% combinato con la regola del 30%)
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta Ar (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elastomero
Vcr	Carico critico per instabilità

Affinchè la verifica sia positiva deve essere:

- 1) $V > 0$
- 2) $Sig s < fyk$
- 3) $Gam t < 5$
- 4) $Gam s < Gam * (caratteristica dell' elastomero)$
- 5) $Gam s < 2$
- 6) $V < 0.5 Vcr$

CDC	Tipo	Sigla Id	Note
11	Esk	CDC=Esk (sisma stat. equiv.) alfa=0.0	
			angolo di ingresso:0.0
			fattore di importanza: 1.00
			zona sismica: 4
			accelerazione ag: 0.250 g
			categoria suolo: C
			fattore di struttura q: 1.000
			classe di duttilità CD: B
			periodo proprio T1: 0.218 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.472
			ordinata spettro Se(T1): 0.225
			eccentricità aggiuntiva: rapida

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	kN	kN	kN	m	m	m	m	m	m			
2.20	2.324e+04	2.324e+04	4.205e+04	23.43	11.24	-3.84	3.00	23.76	11.16	0.908	0.013	0.003
2.05	49.34	2.329e+04	92.61	23.76	11.16	3.71	2.65	23.76	11.16	0.971	0.0	0.0
1.70	2870.80	2.616e+04	5905.42	19.98	12.13	-3.75	2.75	23.66	11.14	0.930	0.147	0.014
0.85	509.47	2.667e+04	1366.17	53.88	3.04	0.70	1.94	0.0	0.0	0.0	0.0	0.0
0.0	2396.19	2.907e+04	9226.28	53.88	3.04	0.96	2.03	0.0	0.0	0.0	0.0	0.0
-0.13	1444.98	3.051e+04	5944.83	7.75	15.40	-2.26	2.35	8.55	15.19	0.831	0.051	0.005
Risulta	3.051e+04		6.458e+04									

CDC	Tipo	Sigla Id	Note
12	Esk	CDC=Esk (sisma stat. equiv.) alfa=90.00	
			angolo di ingresso:90.00
			fattore di importanza: 1.00
			zona sismica: 4
			accelerazione ag: 0.250 g
			categoria suolo: C
			fattore di struttura q: 1.000
			classe di duttilità CD: B
			periodo proprio T1: 0.218 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.472
			ordinata spettro Se(T1): 0.225
			eccentricità aggiuntiva: rapida

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	kN	kN	kN	m	m	m	m	m	m			
2.20	2.324e+04	2.324e+04	4.205e+04	23.43	11.24	-3.84	3.00	23.76	11.16	0.908	0.013	0.003
2.05	49.34	2.329e+04	92.61	23.76	11.16	3.71	2.65	23.76	11.16	0.971	0.0	0.0
1.70	2870.80	2.616e+04	5905.42	19.98	12.13	-3.75	2.75	23.66	11.14	0.930	0.147	0.014

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
0.85	509.47	2.667e+04	1366.17	53.88	3.04	0.70	1.94	0.0	0.0	0.0	0.0	0.0
0.0	2396.19	2.907e+04	9226.28	53.88	3.04	0.96	2.03	0.0	0.0	0.0	0.0	0.0
-0.13	1444.98	3.051e+04	5944.83	7.75	15.40	-2.26	2.35	8.55	15.19	0.831	0.051	0.005
Risulta	3.051e+04		6.458e+04									

12. RISULTATI NODALI

12.1 LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.

Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Una seconda tabella riporta per ogni nodo a cui sia associato un vincolo rigido e/o elastico o una fondazione speciale e per ogni combinazione (o caso di carico) i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

Una terza tabella, infine riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione Fz, della reazione Mx e della reazione My.

Nodo	Cmb	Traslazione X cm	Traslazione Y cm	Traslazione Z cm	Rotazione X	Rotazione Y	Rotazione Z
1	1	1.54	0.03	-0.11	-1.02e-03	3.45e-03	1.88e-05
1	2	-0.33	2.83	-0.09	-9.71e-04	3.17e-03	-1.25e-04
2	1	1.12	-0.41	-0.13	1.04e-03	-2.96e-03	-2.59e-04
2	2	-0.71	2.07	-0.03	8.00e-04	-2.56e-03	-2.67e-04
3	1	1.11	-0.44	-0.19	-7.52e-04	3.12e-03	-5.90e-05
3	2	-0.70	2.04	-0.05	-8.02e-04	2.70e-03	-1.51e-05
4	1	0.71	-0.91	-0.08	1.30e-03	-3.28e-03	-1.89e-04
4	2	-1.02	1.68	-0.06	1.14e-03	-2.97e-03	-1.77e-04
5	1	1.60	0.04	-0.08	-1.11e-03	3.15e-03	-8.71e-05
5	2	-0.23	2.86	-0.07	-1.06e-03	2.96e-03	-2.22e-04
6	1	1.20	-0.38	-0.11	1.06e-03	-2.80e-03	-2.37e-04
6	2	-0.63	2.08	-0.06	8.12e-04	-2.46e-03	-2.73e-04
7	1	1.19	-0.41	-0.15	-1.02e-03	2.94e-03	-1.61e-04
7	2	-0.63	2.06	-0.06	-9.92e-04	2.53e-03	-1.31e-04
8	1	0.78	-0.89	-0.06	1.15e-03	-3.10e-03	-1.68e-04
8	2	-0.95	1.70	-0.05	9.98e-04	-2.75e-03	-1.33e-04
9	1	1.67	0.06	-0.07	-1.09e-03	3.09e-03	-1.17e-04
9	2	-0.13	2.89	-0.07	-1.05e-03	2.93e-03	-2.28e-04
10	1	1.28	-0.35	-0.09	9.78e-04	-2.72e-03	-2.21e-04
10	2	-0.54	2.11	-0.08	8.30e-04	-2.46e-03	-2.81e-04
11	1	1.27	-0.38	-0.14	-1.01e-03	2.93e-03	-1.84e-04
11	2	-0.55	2.08	-0.09	-9.61e-04	2.57e-03	-1.69e-04
12	1	0.86	-0.87	-0.05	1.11e-03	-3.06e-03	-1.65e-04
12	2	-0.88	1.71	-0.05	9.93e-04	-2.75e-03	-1.21e-04
13	1	1.75	0.08	-0.06	-1.10e-03	3.06e-03	-1.23e-04
13	2	-0.03	2.92	-0.06	-1.07e-03	2.94e-03	-2.30e-04
14	1	1.36	-0.33	-0.08	9.72e-04	-2.70e-03	-2.12e-04
14	2	-0.45	2.14	-0.09	8.76e-04	-2.49e-03	-2.92e-04
15	1	1.35	-0.35	-0.13	-1.05e-03	2.94e-03	-1.90e-04
15	2	-0.46	2.11	-0.10	-9.77e-04	2.66e-03	-1.81e-04
16	1	0.94	-0.84	-0.05	1.11e-03	-3.08e-03	-1.65e-04
16	2	-0.81	1.73	-0.05	1.02e-03	-2.82e-03	-1.17e-04
17	1	1.82	0.09	-0.06	-1.10e-03	3.04e-03	-1.31e-04
17	2	0.06	2.96	-0.06	-1.07e-03	2.97e-03	-2.26e-04
18	1	1.44	-0.30	-0.08	8.53e-04	-2.66e-03	-2.22e-04
18	2	-0.36	2.17	-0.09	8.32e-04	-2.51e-03	-3.20e-04
19	1	1.43	-0.33	-0.12	-1.01e-03	2.94e-03	-1.95e-04
19	2	-0.37	2.14	-0.11	-9.36e-04	2.72e-03	-1.89e-04
20	1	1.02	-0.82	-0.06	1.11e-03	-3.11e-03	-1.58e-04
20	2	-0.74	1.75	-0.06	1.04e-03	-2.91e-03	-1.05e-04
21	1	2.18	0.08	-1.70	-1.47e-03	2.67e-03	-8.49e-05
21	2	0.62	3.02	-1.76	-1.53e-03	2.77e-03	-2.09e-04
22	1	1.49	0.03	-0.11	6.88e-03	3.36e-03	-2.07e-04
22	2	-0.04	2.08	-0.09	-0.05	-0.02	-2.11e-04
23	1	1.37	0.27	-0.11	6.88e-03	3.36e-03	-2.07e-04
23	2	0.62	0.24	-0.09	-0.05	-0.02	-2.11e-04
24	1	2.15	0.06	-2.30	-1.48e-03	2.04e-03	-4.15e-05
24	2	0.57	2.96	-2.39	-1.55e-03	2.14e-03	-1.73e-04
25	1	1.11	-0.42	-0.13	-4.20e-05	5.56e-04	-2.20e-04

25	2	-0.71	2.03	-0.03	-3.77e-05	-1.39e-05	-2.37e-04
26	1	1.09	-0.42	-0.13	-4.20e-05	4.79e-04	-2.20e-04
26	2	-0.71	2.03	-0.03	-3.75e-05	8.96e-05	-2.37e-04
27	1	2.11	0.04	-2.69	-1.41e-03	1.23e-03	-8.16e-06
27	2	0.53	2.90	-2.81	-1.48e-03	1.33e-03	-1.47e-04
28	1	1.10	-0.45	-0.19	-3.72e-05	5.02e-04	-2.20e-04
28	2	-0.71	2.00	-0.05	-7.10e-06	1.94e-04	-2.37e-04
29	1	1.09	-0.45	-0.19	-3.72e-05	5.33e-04	-2.20e-04
29	2	-0.71	2.00	-0.05	-6.95e-06	1.88e-04	-2.37e-04
30	1	2.07	0.02	-2.82	-1.24e-03	3.12e-04	1.43e-05
30	2	0.47	2.83	-2.96	-1.33e-03	4.09e-04	-1.31e-04
31	1	0.59	-0.65	-0.08	0.02	7.60e-03	-2.11e-04
31	2	-0.84	1.26	-0.06	-0.03	-0.01	-1.40e-04
32	1	0.33	0.06	-0.08	0.02	7.60e-03	-2.11e-04
32	2	-0.43	0.14	-0.05	-0.03	-0.01	-1.40e-04
33	1	2.02	-5.50e-03	-2.68	-9.95e-04	-6.29e-04	2.60e-05
33	2	0.42	2.77	-2.84	-1.10e-03	-5.42e-04	-1.28e-04
34	1	1.55	0.12	-0.08	5.21e-03	3.10e-03	-2.12e-04
34	2	0.05	2.08	-0.07	-0.05	-0.02	-2.40e-04
35	1	1.45	0.30	-0.08	5.29e-03	2.87e-03	-2.12e-04
35	2	0.70	0.27	-0.07	-0.05	-0.02	-2.40e-04
36	1	1.98	-0.03	-2.27	-6.68e-04	-1.51e-03	2.58e-05
36	2	0.37	2.69	-2.45	-7.90e-04	-1.44e-03	-1.37e-04
37	1	1.19	-0.39	-0.11	-1.94e-04	5.71e-04	-2.20e-04
37	2	-0.63	2.08	-0.06	-5.69e-04	-9.45e-05	-2.38e-04
38	1	1.17	-0.39	-0.10	-1.18e-04	4.41e-04	-2.20e-04
38	2	-0.63	2.06	-0.06	-1.23e-04	7.14e-05	-2.38e-04
39	1	1.94	-0.06	-1.65	-2.66e-04	-2.24e-03	1.43e-05
39	2	0.31	2.61	-1.83	-4.06e-04	-2.20e-03	-1.59e-04
40	1	1.18	-0.42	-0.15	-2.27e-04	-2.20e-04	-2.20e-04
40	2	-0.63	2.05	-0.06	-5.92e-04	1.82e-05	-2.38e-04
41	1	1.16	-0.42	-0.15	-1.37e-04	4.67e-04	-2.20e-04
41	2	-0.63	2.03	-0.06	-1.58e-04	1.04e-04	-2.38e-04
42	1	1.92	-0.10	-0.88	2.21e-04	-2.70e-03	-3.11e-06
42	2	0.27	2.52	-1.05	5.91e-05	-2.73e-03	-1.87e-04
43	1	0.66	-0.59	-0.06	0.02	7.49e-03	-2.13e-04
43	2	-0.78	1.24	-0.05	-0.03	-0.01	-1.55e-04
44	1	0.40	0.09	-0.06	0.02	7.40e-03	-2.13e-04
44	2	-0.38	0.16	-0.05	-0.03	-0.01	-1.55e-04
45	1	1.90	-0.22	-0.88	-1.09e-03	2.89e-03	-1.81e-04
45	2	0.20	2.29	-1.02	-1.27e-03	3.02e-03	-2.62e-04
46	1	1.63	0.14	-0.07	5.51e-03	3.19e-03	-1.91e-04
46	2	0.14	2.11	-0.07	-0.05	-0.02	-2.56e-04
47	1	1.52	0.34	-0.07	5.58e-03	3.01e-03	-1.91e-04
47	2	0.78	0.30	-0.06	-0.05	-0.02	-2.56e-04
48	1	1.87	-0.28	-1.60	-1.14e-03	2.54e-03	-1.59e-04
48	2	0.16	2.23	-1.75	-1.36e-03	2.65e-03	-2.08e-04
49	1	1.27	-0.36	-0.09	-1.26e-04	6.24e-04	-2.20e-04
49	2	-0.54	2.10	-0.08	-5.30e-04	-4.29e-05	-2.39e-04
50	1	1.25	-0.36	-0.08	-1.38e-04	4.55e-04	-2.20e-04
50	2	-0.54	2.09	-0.07	-9.79e-05	1.03e-04	-2.39e-04
51	1	1.84	-0.32	-2.17	-1.14e-03	1.97e-03	-1.26e-04
51	2	0.11	2.17	-2.33	-1.38e-03	2.04e-03	-1.49e-04
52	1	1.26	-0.39	-0.14	-1.44e-04	5.73e-04	-2.20e-04
52	2	-0.55	2.07	-0.09	-5.22e-04	2.47e-05	-2.39e-04
53	1	1.24	-0.39	-0.14	-1.67e-04	4.81e-04	-2.20e-04
53	2	-0.55	2.06	-0.09	-1.39e-04	1.35e-04	-2.39e-04
54	1	1.80	-0.37	-2.56	-1.06e-03	1.21e-03	-9.31e-05
54	2	0.06	2.13	-2.71	-1.30e-03	1.25e-03	-9.70e-05
55	1	0.74	-0.57	-0.05	0.02	7.59e-03	-2.15e-04
55	2	-0.71	1.25	-0.05	-0.03	-0.01	-1.74e-04
56	1	0.48	0.12	-0.05	0.02	7.49e-03	-2.15e-04
56	2	-0.32	0.18	-0.05	-0.03	-0.01	-1.74e-04
57	1	1.75	-0.41	-2.71	-8.97e-04	3.30e-04	-6.58e-05
57	2	7.04e-03	2.08	-2.85	-1.12e-03	3.34e-04	-5.65e-05
58	1	1.70	0.16	-0.06	5.76e-03	3.32e-03	-1.87e-04
58	2	0.24	2.15	-0.06	-0.05	-0.02	-2.57e-04
59	1	1.58	0.36	-0.06	5.83e-03	3.13e-03	-1.87e-04
59	2	0.87	0.34	-0.06	-0.05	-0.02	-2.57e-04
60	1	1.70	-0.46	-2.60	-6.58e-04	-6.02e-04	-4.80e-05
60	2	-0.05	2.04	-2.73	-8.56e-04	-6.26e-04	-2.84e-05
61	1	1.35	-0.33	-0.08	-9.58e-05	6.64e-04	-2.20e-04

61	2	-0.45	2.13	-0.09	-5.53e-04	6.88e-06	-2.40e-04
62	1	1.33	-0.33	-0.07	-1.57e-04	4.74e-04	-2.20e-04
62	2	-0.45	2.12	-0.08	-9.34e-05	1.43e-04	-2.40e-04
63	1	1.65	-0.50	-2.25	-3.46e-04	-1.51e-03	-4.25e-05
63	2	-0.10	2.00	-2.35	-5.10e-04	-1.56e-03	-1.48e-05
64	1	1.34	-0.36	-0.13	-1.07e-04	6.14e-04	-2.20e-04
64	2	-0.46	2.10	-0.10	-5.38e-04	4.74e-05	-2.40e-04
65	1	1.32	-0.36	-0.13	-1.86e-04	5.00e-04	-2.20e-04
65	2	-0.46	2.09	-0.10	-1.32e-04	1.71e-04	-2.40e-04
66	1	1.61	-0.55	-1.68	3.51e-05	-2.32e-03	-5.11e-05
66	2	-0.15	1.96	-1.75	-8.85e-05	-2.38e-03	-1.69e-05
67	1	0.82	-0.54	-0.05	0.02	7.69e-03	-2.16e-04
67	2	-0.64	1.27	-0.05	-0.03	-0.01	-1.84e-04
68	1	0.55	0.15	-0.05	0.02	7.57e-03	-2.16e-04
68	2	-0.25	0.20	-0.05	-0.03	-0.01	-1.84e-04
69	1	1.57	-0.61	-0.92	5.06e-04	-2.94e-03	-6.66e-05
69	2	-0.19	1.91	-0.96	4.35e-04	-3.02e-03	-2.71e-05
70	1	1.77	0.18	-0.06	5.93e-03	3.49e-03	-1.70e-04
70	2	0.33	2.18	-0.06	-0.05	-0.02	-2.59e-04
71	1	1.65	0.39	-0.06	6.01e-03	3.24e-03	-1.70e-04
71	2	0.96	0.38	-0.06	-0.05	-0.02	-2.59e-04
72	1	1.46	0.02	-0.58	8.65e-04	3.42e-03	-1.87e-04
72	2	-0.45	2.80	-0.52	8.04e-04	3.15e-03	-3.07e-04
73	1	1.43	-0.30	-0.08	-8.51e-05	7.15e-04	-2.20e-04
73	2	-0.36	2.16	-0.09	-6.28e-04	6.45e-05	-2.41e-04
74	1	1.40	-0.30	-0.07	-1.64e-04	4.89e-04	-2.20e-04
74	2	-0.36	2.15	-0.09	-1.02e-04	1.80e-04	-2.41e-04
75	1	1.04	-0.43	-0.55	1.56e-03	1.62e-03	-2.07e-04
75	2	-0.77	2.05	-0.34	1.60e-03	1.25e-03	-1.57e-04
76	1	1.42	-0.33	-0.12	-8.99e-05	6.51e-04	-2.20e-04
76	2	-0.37	2.13	-0.11	-6.02e-04	7.07e-05	-2.41e-04
77	1	1.40	-0.33	-0.13	-2.00e-04	5.04e-04	-2.20e-04
77	2	-0.37	2.12	-0.11	-1.36e-04	2.03e-04	-2.41e-04
78	1	1.02	-0.46	-0.87	1.82e-03	1.71e-03	-2.17e-04
78	2	-0.77	2.03	-0.61	1.57e-03	1.57e-03	-1.55e-04
79	1	0.90	-0.52	-0.05	0.02	7.79e-03	-2.07e-04
79	2	-0.57	1.29	-0.05	-0.03	-0.01	-1.96e-04
80	1	0.63	0.18	-0.05	0.02	7.64e-03	-2.07e-04
80	2	-0.18	0.23	-0.05	-0.03	-0.01	-1.96e-04
81	1	1.10	0.20	-0.10	-1.45e-04	6.86e-04	-1.79e-04
81	2	0.48	0.20	-0.08	-6.57e-05	3.52e-04	-2.15e-04
82	1	1.16	0.22	-0.08	-1.90e-04	6.74e-04	-1.74e-04
82	2	0.56	0.23	-0.07	-9.12e-05	3.41e-04	-2.15e-04
83	1	1.34	-0.33	-0.09	-1.88e-04	5.58e-04	-2.01e-04
83	2	-0.35	2.13	-0.09	-7.90e-05	2.19e-04	-2.31e-04
84	1	1.32	-0.34	-0.09	-1.58e-04	5.61e-04	-1.98e-04
84	2	-0.38	2.12	-0.09	-2.55e-04	1.40e-04	-2.32e-04
85	1	1.42	-0.31	-0.10	-1.59e-04	5.35e-04	-2.14e-04
85	2	-0.34	2.14	-0.10	-4.59e-05	2.14e-04	-2.53e-04
86	1	0.37	0.09	-0.05	-4.19e-05	2.05e-04	-2.07e-04
86	2	-0.36	0.16	-0.05	3.90e-05	-9.74e-05	-1.57e-04
87	1	1.23	-0.37	-0.09	-1.68e-04	4.86e-04	-1.89e-04
87	2	-0.41	2.10	-0.09	-6.39e-05	1.68e-04	-2.14e-04
88	1	1.14	-0.40	-0.10	-1.50e-04	4.61e-04	-1.97e-04
88	2	-0.51	2.06	-0.08	-6.13e-05	1.33e-04	-2.12e-04
89	1	1.59	-0.23	-0.05	-2.00e-04	5.74e-04	-2.07e-04
89	2	-0.16	2.22	-0.07	-6.50e-05	2.53e-04	-2.63e-04
90	1	1.62	-0.23	-0.06	-2.02e-04	5.93e-04	-2.07e-04
90	2	-0.11	2.23	-0.08	-9.24e-05	2.82e-04	-2.64e-04
91	1	1.62	-0.22	-0.04	-2.11e-04	5.88e-04	-2.07e-04
91	2	-0.11	2.25	-0.07	-9.89e-05	2.81e-04	-2.64e-04
92	1	1.54	-0.28	-0.13	-1.94e-04	5.75e-04	-2.08e-04
92	2	-0.21	2.17	-0.11	-6.70e-05	2.69e-04	-2.62e-04
93	1	1.23	0.24	-0.06	-2.22e-04	6.83e-04	-1.66e-04
93	2	0.64	0.26	-0.06	-1.14e-04	3.59e-04	-2.14e-04
94	1	1.54	-0.29	-0.15	-1.98e-04	5.71e-04	-2.08e-04
94	2	-0.21	2.16	-0.12	-6.72e-05	2.69e-04	-2.63e-04
95	1	1.55	-0.25	-0.04	-2.09e-04	5.62e-04	-2.08e-04
95	2	-0.20	2.21	-0.07	-8.06e-05	2.45e-04	-2.63e-04
96	1	1.28	0.26	-0.06	-2.43e-04	6.99e-04	-1.57e-04
96	2	0.71	0.28	-0.06	-1.34e-04	3.90e-04	-2.12e-04
97	1	1.35	0.28	-0.05	-2.58e-04	7.24e-04	-1.44e-04

97	2	0.81	0.32	-0.06	-1.53e-04	4.32e-04	-2.09e-04
98	1	1.74	-0.19	-0.07	-6.01e-04	5.63e-04	-1.89e-04
98	2	0.15	2.31	-0.19	-7.01e-04	1.87e-04	-2.55e-04
99	1	1.34	0.28	-0.06	-2.61e-04	7.22e-04	-1.45e-04
99	2	0.79	0.31	-0.06	-1.53e-04	4.25e-04	-2.08e-04
100	1	1.54	-0.25	-0.06	-2.01e-04	5.68e-04	-2.08e-04
100	2	-0.20	2.20	-0.08	-7.04e-05	2.46e-04	-2.63e-04
101	1	1.50	-0.30	-0.14	-2.23e-04	5.55e-04	-2.08e-04
101	2	-0.26	2.15	-0.12	-1.70e-04	2.56e-04	-2.63e-04
102	1	1.51	-0.26	-0.05	-1.72e-04	5.45e-04	-2.08e-04
102	2	-0.25	2.19	-0.08	-1.14e-04	2.40e-04	-2.63e-04
103	1	1.06	-0.43	-0.10	-1.30e-04	4.47e-04	-2.04e-04
103	2	-0.58	2.03	-0.07	-7.12e-05	9.73e-05	-2.13e-04
104	1	1.76	-0.21	-0.12	-1.98e-04	6.54e-04	-2.05e-04
104	2	0.07	2.28	-0.14	-1.67e-04	3.40e-04	-2.65e-04
105	1	1.76	-0.21	-0.14	-2.00e-04	6.51e-04	-2.05e-04
105	2	0.06	2.27	-0.15	-1.68e-04	3.39e-04	-2.65e-04
106	1	1.77	-0.17	-0.03	-2.10e-04	6.32e-04	-2.05e-04
106	2	0.08	2.33	-0.10	-1.89e-04	3.28e-04	-2.65e-04
107	1	1.77	-0.18	-0.04	-2.01e-04	6.38e-04	-2.05e-04
107	2	0.07	2.32	-0.10	-1.79e-04	3.28e-04	-2.66e-04
108	1	1.72	-0.22	-0.14	-2.34e-04	6.42e-04	-2.06e-04
108	2	0.02	2.25	-0.14	-2.21e-04	3.38e-04	-2.65e-04
109	1	1.73	-0.19	-0.03	-1.86e-04	6.19e-04	-2.06e-04
109	2	0.03	2.31	-0.09	-1.88e-04	3.21e-04	-2.65e-04
110	1	0.81	0.25	-0.05	7.99e-03	3.33e-03	-1.95e-04
110	2	0.01	0.30	-0.05	-0.01	-4.21e-03	-1.99e-04
111	1	1.21	-0.38	-0.09	-1.69e-04	4.81e-04	-1.89e-04
111	2	-0.43	2.09	-0.09	-6.29e-05	1.70e-04	-2.12e-04
112	1	1.39	0.30	-0.06	-2.68e-04	7.45e-04	-1.35e-04
112	2	0.87	0.34	-0.06	-1.66e-04	4.66e-04	-2.06e-04
113	1	0.84	0.26	-0.05	0.01	4.82e-03	-2.04e-04
113	2	0.02	0.30	-0.05	-0.02	-6.35e-03	-2.08e-04
114	1	1.69	-0.23	-0.13	-2.01e-04	6.32e-04	-2.06e-04
114	2	-0.03	2.24	-0.12	-1.15e-04	3.24e-04	-2.65e-04
115	1	1.69	-0.24	-0.15	-2.04e-04	6.28e-04	-2.06e-04
115	2	-0.03	2.23	-0.13	-1.17e-04	3.22e-04	-2.65e-04
116	1	1.70	-0.20	-0.04	-2.12e-04	6.12e-04	-2.06e-04
116	2	-0.02	2.29	-0.08	-1.33e-04	3.10e-04	-2.65e-04
117	1	1.70	-0.20	-0.05	-2.04e-04	6.17e-04	-2.06e-04
117	2	-0.02	2.28	-0.08	-1.22e-04	3.11e-04	-2.65e-04
118	1	0.44	0.11	-0.05	-7.05e-05	2.12e-04	-2.05e-04
118	2	-0.30	0.18	-0.05	3.21e-05	-8.74e-05	-1.64e-04
119	1	1.65	-0.25	-0.15	-2.33e-04	6.17e-04	-2.07e-04
119	2	-0.08	2.21	-0.12	-1.97e-04	3.12e-04	-2.64e-04
120	1	1.66	-0.21	-0.04	-1.86e-04	5.96e-04	-2.07e-04
120	2	-0.06	2.27	-0.07	-1.53e-04	3.05e-04	-2.64e-04
121	1	1.36	-0.35	-0.13	-1.56e-04	5.09e-04	-2.20e-04
121	2	-0.42	2.10	-0.10	-4.30e-05	1.81e-04	-2.41e-04
122	1	1.71	-0.21	-0.07	-2.98e-04	6.65e-04	-1.95e-04
122	2	0.10	2.29	-0.16	-3.35e-04	3.10e-04	-2.64e-04
123	1	1.36	-0.35	-0.14	-1.57e-04	5.06e-04	-2.20e-04
123	2	-0.42	2.09	-0.11	-4.72e-05	1.80e-04	-2.40e-04
124	1	1.40	-0.34	-0.14	-1.98e-04	5.07e-04	-2.20e-04
124	2	-0.38	2.11	-0.11	-1.32e-04	2.01e-04	-2.41e-04
125	1	0.78	0.23	-0.05	-1.32e-04	3.50e-04	-1.86e-04
125	2	7.18e-03	0.30	-0.05	-1.27e-05	4.79e-05	-1.90e-04
126	1	1.37	-0.30	-0.04	-1.85e-04	4.85e-04	-2.20e-04
126	2	-0.40	2.15	-0.07	-5.96e-05	1.70e-04	-2.40e-04
127	1	1.37	-0.31	-0.05	-1.73e-04	4.84e-04	-2.20e-04
127	2	-0.41	2.14	-0.08	-4.83e-05	1.67e-04	-2.40e-04
128	1	1.41	-0.30	-0.05	-1.49e-04	5.02e-04	-2.20e-04
128	2	-0.36	2.15	-0.08	-8.55e-05	1.89e-04	-2.41e-04
129	1	1.35	-0.36	-0.16	-1.60e-04	5.05e-04	-2.20e-04
129	2	-0.42	2.08	-0.11	-5.31e-05	1.79e-04	-2.40e-04
130	1	1.36	-0.32	-0.07	-1.63e-04	4.90e-04	-2.20e-04
130	2	-0.41	2.13	-0.08	-4.15e-05	1.68e-04	-2.41e-04
131	1	0.51	0.14	-0.05	-8.45e-05	2.34e-04	-2.02e-04
131	2	-0.24	0.21	-0.05	2.50e-05	-6.44e-05	-1.71e-04
132	1	0.91	0.28	-0.05	8.14e-03	3.46e-03	-1.74e-04
132	2	0.12	0.34	-0.05	-0.01	-4.14e-03	-1.94e-04
133	1	1.32	-0.35	-0.10	-1.81e-04	4.88e-04	-2.20e-04

133	2	-0.46	2.10	-0.09	-1.14e-04	1.48e-04	-2.46e-04
134	1	1.32	-0.37	-0.16	-1.86e-04	4.99e-04	-2.20e-04
134	2	-0.47	2.07	-0.11	-1.31e-04	1.66e-04	-2.40e-04
135	1	1.33	-0.32	-0.04	-1.36e-04	4.81e-04	-2.20e-04
135	2	-0.45	2.13	-0.07	-6.14e-05	1.54e-04	-2.40e-04
136	1	1.32	-0.37	-0.14	-1.87e-04	5.00e-04	-2.20e-04
136	2	-0.47	2.08	-0.10	-1.32e-04	1.68e-04	-2.40e-04
137	1	1.33	-0.32	-0.06	-1.47e-04	4.80e-04	-2.20e-04
137	2	-0.45	2.12	-0.08	-7.75e-05	1.51e-04	-2.40e-04
138	1	1.40	-0.32	-0.10	-1.98e-04	4.99e-04	-2.18e-04
138	2	-0.37	2.13	-0.09	-1.19e-04	1.81e-04	-2.51e-04
139	1	1.39	-0.35	-0.16	-1.94e-04	5.05e-04	-2.20e-04
139	2	-0.38	2.10	-0.12	-1.26e-04	1.55e-04	-2.40e-04
140	1	1.41	-0.29	-0.04	-1.30e-04	5.07e-04	-2.20e-04
140	2	-0.36	2.16	-0.07	-6.83e-05	1.89e-04	-2.40e-04
141	1	1.28	-0.38	-0.13	-1.37e-04	4.92e-04	-2.20e-04
141	2	-0.51	2.07	-0.09	-5.22e-05	1.43e-04	-2.40e-04
142	1	1.09	-0.44	-0.16	-4.25e-05	5.05e-04	-2.17e-04
142	2	-0.71	2.01	-0.04	-1.80e-05	1.27e-04	-2.26e-04
143	1	1.08	-0.47	-0.22	-2.93e-05	5.32e-04	-2.20e-04
143	2	-0.72	1.98	-0.06	1.27e-05	1.85e-04	-2.38e-04
144	1	1.10	-0.41	-0.10	-4.62e-05	4.80e-04	-2.20e-04
144	2	-0.70	2.04	-0.02	-6.05e-05	9.15e-05	-2.38e-04
145	1	1.28	-0.38	-0.15	-1.38e-04	4.88e-04	-2.20e-04
145	2	-0.51	2.06	-0.10	-5.54e-05	1.43e-04	-2.40e-04
146	1	1.29	-0.33	-0.05	-1.64e-04	4.76e-04	-2.20e-04
146	2	-0.49	2.12	-0.07	-6.48e-05	1.32e-04	-2.40e-04
147	1	1.17	-0.41	-0.13	-1.40e-04	4.55e-04	-2.22e-04
147	2	-0.63	2.04	-0.06	-1.41e-04	7.92e-05	-2.34e-04
148	1	1.16	-0.44	-0.18	-1.25e-04	4.75e-04	-2.20e-04
148	2	-0.64	2.01	-0.07	-1.56e-04	1.02e-04	-2.38e-04
149	1	1.17	-0.38	-0.07	-9.29e-05	4.50e-04	-2.20e-04
149	2	-0.62	2.07	-0.05	-9.29e-05	8.16e-05	-2.38e-04
150	1	1.29	-0.34	-0.06	-1.54e-04	4.75e-04	-2.20e-04
150	2	-0.49	2.11	-0.07	-5.53e-05	1.29e-04	-2.40e-04
151	1	1.28	-0.39	-0.16	-1.41e-04	4.86e-04	-2.20e-04
151	2	-0.51	2.06	-0.10	-6.05e-05	1.41e-04	-2.40e-04
152	1	1.24	-0.38	-0.11	-1.63e-04	4.69e-04	-2.23e-04
152	2	-0.55	2.07	-0.08	-1.20e-04	1.10e-04	-2.40e-04
153	1	1.24	-0.41	-0.17	-1.64e-04	4.80e-04	-2.20e-04
153	2	-0.55	2.04	-0.09	-1.38e-04	1.30e-04	-2.39e-04
154	1	1.25	-0.35	-0.05	-1.15e-04	4.64e-04	-2.20e-04
154	2	-0.54	2.10	-0.07	-6.64e-05	1.14e-04	-2.39e-04
155	1	1.29	-0.35	-0.07	-1.45e-04	4.79e-04	-2.20e-04
155	2	-0.50	2.10	-0.08	-4.94e-05	1.31e-04	-2.40e-04
156	1	1.24	-0.40	-0.15	-1.67e-04	4.82e-04	-2.20e-04
156	2	-0.55	2.05	-0.09	-1.39e-04	1.32e-04	-2.39e-04
157	1	1.38	0.29	-0.05	-2.79e-04	7.28e-04	-1.39e-04
157	2	0.84	0.33	-0.06	-1.71e-04	4.46e-04	-2.07e-04
158	1	0.91	-0.48	-0.15	-5.46e-05	4.79e-04	-2.14e-04
158	2	-0.73	1.97	-0.02	-1.19e-04	3.92e-05	-2.12e-04
159	1	0.99	-0.45	-0.12	-1.05e-04	4.47e-04	-2.10e-04
159	2	-0.66	2.00	-0.05	-8.59e-05	6.58e-05	-2.14e-04
160	1	1.25	-0.35	-0.07	-1.27e-04	4.62e-04	-2.20e-04
160	2	-0.54	2.09	-0.07	-8.24e-05	1.11e-04	-2.39e-04
161	1	0.87	0.27	-0.05	8.11e-03	3.42e-03	-1.84e-04
161	2	0.08	0.32	-0.05	-0.01	-4.18e-03	-1.98e-04
162	1	1.20	-0.41	-0.14	-1.03e-04	4.74e-04	-2.20e-04
162	2	-0.59	2.04	-0.08	-6.79e-05	1.08e-04	-2.39e-04
163	1	1.20	-0.41	-0.16	-1.05e-04	4.70e-04	-2.20e-04
163	2	-0.59	2.04	-0.08	-7.13e-05	1.08e-04	-2.39e-04
164	1	1.21	-0.36	-0.06	-1.36e-04	4.57e-04	-2.20e-04
164	2	-0.58	2.09	-0.06	-7.95e-05	9.33e-05	-2.39e-04
165	1	2.22	0.15	-0.05	-1.20e-03	3.23e-03	-1.77e-04
165	2	0.68	3.16	-0.06	-1.26e-03	3.32e-03	-2.89e-04
166	1	2.15	0.13	-0.05	-1.04e-03	2.89e-03	-1.01e-04
166	2	0.57	3.13	-0.06	-1.09e-03	2.99e-03	-2.21e-04
167	1	2.22	0.09	-2.04	-2.51e-03	3.30e-03	-1.28e-04
167	2	0.70	3.05	-2.11	-2.57e-03	3.40e-03	-2.46e-04
168	1	1.84	-0.17	-0.05	9.05e-04	-2.51e-03	-1.45e-04
168	2	0.14	2.37	-0.13	8.23e-04	-2.62e-03	-3.12e-04
169	1	1.91	-0.15	-0.06	7.82e-04	-2.77e-03	-2.09e-05

169	2	0.24	2.41	-0.20	6.34e-04	-2.89e-03	-2.06e-04
170	1	1.43	-0.03	-1.67	1.27e-03	2.92e-03	-1.60e-04
170	2	-0.48	2.71	-1.52	1.18e-03	2.67e-03	-2.85e-04
171	1	1.91	0.09	-0.06	-1.11e-03	3.06e-03	-7.42e-05
171	2	0.19	3.00	-0.06	-1.09e-03	3.00e-03	-2.24e-04
172	1	1.99	0.11	-0.06	-1.10e-03	3.05e-03	-9.93e-05
172	2	0.29	3.04	-0.06	-1.09e-03	3.02e-03	-2.28e-04
173	1	2.04	0.11	-0.06	-1.05e-03	2.93e-03	-7.22e-05
173	2	0.38	3.07	-0.06	-1.07e-03	2.97e-03	-2.07e-04
174	1	2.10	0.12	-0.06	-1.03e-03	2.89e-03	-8.52e-05
174	2	0.48	3.10	-0.06	-1.07e-03	2.97e-03	-2.11e-04
175	1	1.21	-0.37	-0.07	-1.24e-04	4.56e-04	-2.20e-04
175	2	-0.58	2.08	-0.06	-7.02e-05	9.15e-05	-2.39e-04
176	1	1.84	-0.17	-0.07	-1.77e-04	6.81e-04	-2.01e-04
176	2	0.17	2.34	-0.16	-2.25e-04	3.46e-04	-2.73e-04
177	1	1.20	-0.42	-0.17	-1.09e-04	4.68e-04	-2.20e-04
177	2	-0.60	2.03	-0.08	-7.65e-05	1.06e-04	-2.39e-04
178	1	1.54	-0.26	-0.07	8.63e-04	-2.61e-03	-2.11e-04
178	2	-0.24	2.22	-0.09	8.59e-04	-2.53e-03	-3.26e-04
179	1	1.53	-0.29	-0.13	-1.05e-03	2.97e-03	-1.85e-04
179	2	-0.25	2.18	-0.11	-9.56e-04	2.80e-03	-2.00e-04
180	1	1.12	-0.80	-0.06	1.11e-03	-3.08e-03	-1.77e-04
180	2	-0.64	1.75	-0.05	1.05e-03	-2.92e-03	-1.56e-04
181	1	0.93	0.29	-0.05	-1.59e-04	4.13e-04	-1.46e-04
181	2	0.17	0.36	-0.05	-6.80e-05	1.02e-04	-1.79e-04
182	1	1.62	-0.24	-0.07	9.20e-04	-2.61e-03	-2.03e-04
182	2	-0.15	2.26	-0.09	9.09e-04	-2.55e-03	-3.02e-04
183	1	1.61	-0.27	-0.13	-1.05e-03	2.93e-03	-1.75e-04
183	2	-0.16	2.22	-0.11	-1.01e-03	2.83e-03	-2.13e-04
184	1	1.20	-0.77	-0.06	1.11e-03	-3.07e-03	-1.74e-04
184	2	-0.56	1.77	-0.05	1.07e-03	-2.96e-03	-1.53e-04
185	1	1.21	-0.38	-0.09	-1.13e-04	4.61e-04	-2.20e-04
185	2	-0.58	2.07	-0.06	-6.41e-05	9.34e-05	-2.39e-04
186	1	1.70	-0.21	-0.07	8.99e-04	-2.55e-03	-1.95e-04
186	2	-0.05	2.29	-0.09	8.78e-04	-2.55e-03	-3.24e-04
187	1	1.69	-0.24	-0.13	-1.03e-03	2.90e-03	-1.78e-04
187	2	-0.06	2.25	-0.12	-1.04e-03	2.86e-03	-2.01e-04
188	1	1.28	-0.75	-0.06	1.12e-03	-3.07e-03	-1.72e-04
188	2	-0.48	1.79	-0.05	1.09e-03	-3.00e-03	-1.53e-04
189	1	1.16	-0.43	-0.17	-1.32e-04	4.72e-04	-2.20e-04
189	2	-0.64	2.02	-0.06	-1.57e-04	1.01e-04	-2.38e-04
190	1	1.77	-0.19	-0.06	8.94e-04	-2.51e-03	-1.83e-04
190	2	0.04	2.33	-0.10	8.42e-04	-3.26e-03	-3.26e-04
191	1	1.77	-0.21	-0.12	-1.01e-03	2.86e-03	-1.71e-04
191	2	0.03	2.29	-0.13	-1.08e-03	2.88e-03	-2.14e-04
192	1	1.36	-0.73	-0.05	1.12e-03	-3.09e-03	-1.76e-04
192	2	-0.40	1.81	-0.05	1.10e-03	-3.05e-03	-1.55e-04
193	1	1.17	-0.39	-0.09	-1.06e-04	4.49e-04	-2.20e-04
193	2	-0.63	2.07	-0.05	-1.09e-04	7.93e-05	-2.38e-04
194	1	1.39	-0.07	-2.58	1.72e-03	2.06e-03	-1.38e-04
194	2	-0.52	2.63	-2.35	1.58e-03	1.85e-03	-2.66e-04
195	1	1.84	-0.19	-0.11	-9.97e-04	2.84e-03	-1.75e-04
195	2	0.13	2.33	-0.16	-1.17e-03	2.96e-03	-2.42e-04
196	1	1.44	-0.71	-0.05	1.15e-03	-3.15e-03	-2.08e-04
196	2	-0.31	1.82	-0.06	1.13e-03	-3.15e-03	-1.65e-04
197	1	0.98	0.31	-0.05	-1.51e-04	3.74e-04	-1.40e-04
197	2	0.24	0.38	-0.07	-9.43e-05	7.46e-05	-1.74e-04
198	1	1.34	-0.10	-3.24	2.07e-03	1.03e-03	-1.42e-04
198	2	-0.57	2.56	-2.94	1.88e-03	8.72e-04	-2.66e-04
199	1	1.91	-0.17	-0.10	-1.05e-03	2.95e-03	-1.88e-04
199	2	0.23	2.37	-0.21	-1.23e-03	3.12e-03	-2.86e-04
200	1	1.54	-0.68	-0.06	1.04e-03	-3.25e-03	-8.61e-05
200	2	-0.22	1.85	-0.08	1.02e-03	-3.35e-03	-4.46e-05
201	1	1.29	-0.13	-3.58	2.31e-03	-7.49e-05	-1.48e-04
201	2	-0.62	2.49	-3.23	2.08e-03	-1.55e-04	-2.65e-04
202	1	1.85	0.19	-0.06	6.60e-03	3.88e-03	-1.43e-04
202	2	0.45	2.23	-0.06	-0.05	-0.02	-2.64e-04
203	1	1.72	0.42	-0.06	6.72e-03	3.54e-03	-1.43e-04
203	2	1.08	0.42	-0.06	-0.05	-0.02	-2.64e-04
204	1	1.23	-0.17	-3.61	2.43e-03	-1.16e-03	-1.60e-04
204	2	-0.67	2.41	-3.23	2.18e-03	-1.15e-03	-2.66e-04
205	1	1.53	-0.26	-0.07	-1.27e-05	7.66e-04	-2.08e-04

205	2	-0.24	2.21	-0.09	-7.80e-04	1.43e-04	-2.62e-04
206	1	1.51	-0.27	-0.06	-1.81e-04	5.35e-04	-2.08e-04
206	2	-0.25	2.19	-0.08	-1.36e-04	2.35e-04	-2.62e-04
207	1	1.18	-0.21	-3.33	2.43e-03	-2.14e-03	-1.74e-04
207	2	-0.71	2.33	-2.94	2.17e-03	-2.04e-03	-2.65e-04
208	1	1.52	-0.29	-0.13	-4.92e-05	7.27e-04	-2.08e-04
208	2	-0.25	2.17	-0.11	-6.97e-04	1.16e-04	-2.62e-04
209	1	1.50	-0.30	-0.13	-2.21e-04	5.56e-04	-2.08e-04
209	2	-0.26	2.16	-0.11	-1.68e-04	2.62e-04	-2.62e-04
210	1	1.14	-0.26	-2.76	2.23e-03	-2.98e-03	-1.89e-04
210	2	-0.74	2.26	-2.40	1.98e-03	-2.77e-03	-2.58e-04
211	1	1.01	-0.49	-0.05	0.02	7.95e-03	-2.06e-04
211	2	-0.47	1.30	-0.05	-0.03	-0.01	-2.13e-04
212	1	0.73	0.22	-0.05	0.02	7.76e-03	-2.06e-04
212	2	-0.09	0.26	-0.05	-0.03	-0.01	-2.13e-04
213	1	1.10	-0.31	-1.93	1.67e-03	-3.59e-03	-1.99e-04
213	2	-0.76	2.18	-1.63	1.47e-03	-3.29e-03	-2.41e-04
214	1	1.92	0.11	-0.06	9.21e-03	4.41e-03	-1.64e-04
214	2	0.55	2.20	-0.06	-0.05	-0.02	-2.65e-04
215	1	1.77	0.44	-0.06	9.21e-03	4.41e-03	-1.64e-04
215	2	1.17	0.45	-0.06	-0.05	-0.02	-2.65e-04
216	1	1.07	-0.37	-0.91	9.80e-04	-3.60e-03	-2.14e-04
216	2	-0.76	2.11	-0.70	8.11e-04	-3.23e-03	-2.06e-04
217	1	1.61	-0.23	-0.07	-2.13e-04	7.64e-04	-2.08e-04
217	2	-0.15	2.22	-0.09	-7.70e-05	2.50e-04	-2.63e-04
218	1	1.58	-0.24	-0.06	-2.13e-04	5.67e-04	-2.08e-04
218	2	-0.16	2.22	-0.08	-7.68e-05	2.44e-04	-2.63e-04
219	1	0.99	-0.52	-1.66	1.32e-03	2.52e-03	-2.08e-04
219	2	-0.79	1.98	-1.35	1.22e-03	2.35e-03	-1.57e-04
220	1	1.60	-0.26	-0.13	-2.51e-04	7.38e-04	-2.08e-04
220	2	-0.16	2.19	-0.11	-1.12e-04	2.35e-04	-2.63e-04
221	1	1.58	-0.27	-0.13	-2.51e-04	5.93e-04	-2.08e-04
221	2	-0.17	2.18	-0.11	-1.12e-04	2.72e-04	-2.63e-04
222	1	0.95	-0.57	-2.46	1.74e-03	1.92e-03	-1.90e-04
222	2	-0.82	1.94	-2.10	1.64e-03	1.83e-03	-1.40e-04
223	1	1.08	-0.47	-0.06	0.02	8.02e-03	-2.07e-04
223	2	-0.40	1.33	-0.05	-0.03	-0.01	-2.06e-04
224	1	0.80	0.24	-0.05	0.02	7.84e-03	-2.07e-04
224	2	-0.02	0.29	-0.05	-0.03	-0.01	-2.06e-04
225	1	0.90	-0.61	-3.06	2.09e-03	9.73e-04	-1.81e-04
225	2	-0.85	1.91	-2.68	1.98e-03	9.78e-04	-1.36e-04
226	1	1.98	0.21	-0.06	6.96e-03	4.12e-03	-1.86e-04
226	2	0.65	2.29	-0.06	-0.05	-0.02	-2.78e-04
227	1	1.84	0.46	-0.06	7.09e-03	3.78e-03	-1.86e-04
227	2	1.27	0.49	-0.06	-0.05	-0.02	-2.78e-04
228	1	0.85	-0.66	-3.38	2.33e-03	-5.75e-05	-1.77e-04
228	2	-0.89	1.88	-3.01	2.22e-03	2.77e-05	-1.33e-04
229	1	1.69	-0.21	-0.07	-5.19e-05	8.13e-04	-2.07e-04
229	2	-0.06	2.28	-0.09	-7.25e-04	2.21e-04	-2.64e-04
230	1	1.66	-0.22	-0.06	-1.97e-04	5.88e-04	-2.07e-04
230	2	-0.07	2.26	-0.08	-1.68e-04	2.97e-04	-2.64e-04
231	1	0.81	-0.70	-3.43	2.47e-03	-1.08e-03	-1.77e-04
231	2	-0.93	1.85	-3.08	2.36e-03	-9.27e-04	-1.34e-04
232	1	1.68	-0.24	-0.13	-4.62e-05	8.00e-04	-2.07e-04
232	2	-0.07	2.24	-0.12	-7.20e-04	2.18e-04	-2.64e-04
233	1	1.65	-0.24	-0.13	-2.32e-04	6.16e-04	-2.07e-04
233	2	-0.07	2.23	-0.12	-2.00e-04	3.17e-04	-2.64e-04
234	1	0.76	-0.74	-3.19	2.53e-03	-2.02e-03	-1.79e-04
234	2	-0.96	1.81	-2.88	2.41e-03	-1.81e-03	-1.38e-04
235	1	1.16	-0.44	-0.05	0.02	8.13e-03	-1.99e-04
235	2	-0.32	1.35	-0.05	-0.03	-0.01	-2.07e-04
236	1	0.88	0.27	-0.05	0.02	7.91e-03	-1.99e-04
236	2	0.05	0.31	-0.05	-0.03	-0.01	-2.07e-04
237	1	0.72	-0.79	-2.70	2.53e-03	-2.80e-03	-1.77e-04
237	2	-1.00	1.78	-2.45	2.39e-03	-2.55e-03	-1.36e-04
238	1	2.04	0.23	-0.06	7.14e-03	4.20e-03	-1.34e-04
238	2	0.74	2.32	-0.06	-0.05	-0.02	-2.42e-04
239	1	1.90	0.48	-0.06	7.25e-03	3.90e-03	-1.34e-04
239	2	1.36	0.52	-0.06	-0.05	-0.02	-2.42e-04
240	1	0.70	-0.84	-2.03	2.57e-03	-3.33e-03	-1.82e-04
240	2	-1.02	1.74	-1.84	2.42e-03	-3.05e-03	-1.55e-04
241	1	1.76	-0.19	-0.06	-6.22e-05	8.42e-04	-2.06e-04

241	2	0.04	2.32	-0.10	-6.52e-04	2.75e-04	-2.65e-04
242	1	1.73	-0.19	-0.05	-1.97e-04	6.12e-04	-2.06e-04
242	2	0.03	2.30	-0.10	-2.02e-04	3.14e-04	-2.65e-04
243	1	0.68	-0.88	-1.26	2.88e-03	-3.52e-03	-1.22e-04
243	2	-1.04	1.70	-1.14	2.72e-03	-3.23e-03	-1.03e-04
244	1	1.75	-0.21	-0.12	-6.89e-05	8.55e-04	-2.06e-04
244	2	0.03	2.28	-0.13	-6.05e-04	2.40e-04	-2.65e-04
245	1	1.73	-0.22	-0.13	-2.32e-04	6.42e-04	-2.06e-04
245	2	0.02	2.26	-0.13	-2.26e-04	3.39e-04	-2.65e-04
246	1	2.24	0.14	-0.51	-3.00e-03	3.26e-03	0.0
246	2	0.73	3.17	-0.53	-3.06e-03	3.36e-03	-1.19e-04
247	1	1.23	-0.42	-0.05	0.02	8.31e-03	-1.84e-04
247	2	-0.24	1.37	-0.05	-0.03	-0.01	-2.03e-04
248	1	0.95	0.30	-0.05	0.02	8.01e-03	-1.84e-04
248	2	0.13	0.34	-0.05	-0.03	-0.01	-2.03e-04
249	1	1.12	-0.44	-0.17	-6.57e-05	4.93e-04	-2.20e-04
249	2	-0.68	2.01	-0.04	-9.38e-05	1.04e-04	-2.38e-04
250	1	2.09	0.24	-0.05	7.19e-03	4.52e-03	-4.06e-05
250	2	0.83	2.35	-0.06	-0.05	-0.02	-1.54e-04
251	1	1.94	0.49	-0.05	7.38e-03	3.99e-03	-4.06e-05
251	2	1.44	0.55	-0.06	-0.05	-0.02	-1.54e-04
252	1	1.12	-0.45	-0.18	-5.95e-05	4.99e-04	-2.20e-04
252	2	-0.68	2.01	-0.05	-8.50e-05	1.19e-04	-2.38e-04
253	1	1.83	-0.17	-0.05	-9.01e-06	8.54e-04	-2.05e-04
253	2	0.13	2.36	-0.13	-6.36e-04	3.31e-04	-2.66e-04
254	1	1.80	-0.17	-0.04	-1.95e-04	6.29e-04	-2.05e-04
254	2	0.12	2.34	-0.13	-2.59e-04	3.27e-04	-2.66e-04
255	1	1.97	-0.13	-0.64	-1.58e-03	-1.72e-03	-1.53e-04
255	2	0.36	2.46	-0.86	-1.83e-03	-1.68e-03	-3.37e-04
256	1	1.83	-0.19	-0.12	-3.33e-05	9.00e-04	-2.05e-04
256	2	0.12	2.32	-0.16	-5.66e-04	3.01e-04	-2.66e-04
257	1	1.80	-0.19	-0.12	-2.24e-04	6.59e-04	-2.05e-04
257	2	0.11	2.30	-0.16	-2.73e-04	3.53e-04	-2.66e-04
258	1	1.96	-0.15	-0.37	-2.03e-03	-9.89e-04	-1.52e-04
258	2	0.34	2.42	-0.57	-2.02e-03	-1.18e-03	-3.33e-04
259	1	1.30	-0.40	-0.05	0.02	8.70e-03	-1.37e-04
259	2	-0.16	1.39	-0.05	-0.03	-0.01	-1.79e-04
260	1	1.01	0.32	-0.05	0.02	8.15e-03	-1.37e-04
260	2	0.20	0.37	-0.05	-0.03	-0.01	-1.79e-04
261	1	1.14	-0.39	-0.08	-1.17e-04	4.51e-04	-2.20e-04
261	2	-0.66	2.06	-0.04	-1.22e-04	6.57e-05	-2.38e-04
262	1	2.14	0.03	-0.05	0.01	5.89e-03	0.0
262	2	0.92	2.17	-0.06	-0.05	-0.02	-1.17e-04
263	1	1.93	0.49	-0.04	0.01	5.89e-03	0.0
263	2	1.47	0.56	-0.06	-0.05	-0.02	-1.17e-04
264	1	1.13	-0.40	-0.09	-1.02e-04	4.54e-04	-2.20e-04
264	2	-0.66	2.05	-0.04	-1.14e-04	6.68e-05	-2.38e-04
265	1	1.90	-0.13	-0.06	-4.15e-04	6.64e-04	-2.05e-04
265	2	0.23	2.39	-0.19	-4.17e-04	4.22e-04	-2.66e-04
266	1	1.88	-0.14	-0.05	-4.15e-04	4.90e-04	-2.05e-04
266	2	0.22	2.38	-0.19	-4.17e-04	2.16e-04	-2.66e-04
267	1	1.65	-0.65	-0.48	-7.52e-04	-3.22e-03	-2.57e-04
267	2	-0.12	1.87	-0.53	-8.56e-04	-3.33e-03	-2.38e-04
268	1	1.89	-0.16	-0.10	-3.23e-04	7.96e-04	-2.05e-04
268	2	0.22	2.35	-0.21	-3.55e-04	3.55e-04	-2.66e-04
269	1	1.87	-0.17	-0.11	-3.23e-04	6.10e-04	-2.05e-04
269	2	0.21	2.34	-0.21	-3.55e-04	2.98e-04	-2.66e-04
270	1	2.24	0.13	-1.23	-2.78e-03	3.51e-03	-8.96e-05
270	2	0.73	3.12	-1.28	-2.84e-03	3.61e-03	-2.04e-04
271	1	1.39	-0.58	-0.06	0.03	9.99e-03	-1.10e-04
271	2	-0.08	1.30	-0.08	-0.03	-9.34e-03	-1.69e-04
272	1	1.04	0.33	-0.06	0.03	9.99e-03	-1.10e-04
272	2	0.25	0.39	-0.07	-0.03	-9.34e-03	-1.69e-04
273	1	1.12	-0.45	-0.20	-5.24e-05	5.03e-04	-2.20e-04
273	2	-0.68	2.00	-0.05	-7.11e-05	1.26e-04	-2.38e-04
274	1	1.13	-0.41	-0.11	-9.04e-05	4.62e-04	-2.20e-04
274	2	-0.67	2.04	-0.04	-1.10e-04	7.26e-05	-2.38e-04
275	1	1.08	-0.46	-0.21	-3.24e-05	5.31e-04	-2.20e-04
275	2	-0.72	1.99	-0.05	4.97e-06	1.82e-04	-2.38e-04
276	1	1.10	-0.42	-0.11	-4.51e-05	4.82e-04	-2.20e-04
276	2	-0.71	2.03	-0.03	-5.04e-05	9.34e-05	-2.38e-04
277	1	1.50	-0.28	-0.10	-2.20e-04	5.47e-04	-2.21e-04

277	2	-0.25	2.17	-0.10	-1.43e-04	2.38e-04	-2.47e-04
278	1	1.50	-0.31	-0.16	-2.24e-04	5.54e-04	-2.08e-04
278	2	-0.26	2.14	-0.12	-1.74e-04	2.52e-04	-2.63e-04
279	1	1.51	-0.25	-0.03	-1.61e-04	5.49e-04	-2.08e-04
279	2	-0.24	2.20	-0.07	-9.50e-05	2.44e-04	-2.63e-04
280	1	1.58	-0.25	-0.10	-2.42e-04	5.79e-04	-2.13e-04
280	2	-0.16	2.20	-0.10	-1.04e-04	2.58e-04	-2.57e-04
281	1	1.57	-0.28	-0.16	-2.52e-04	5.90e-04	-2.07e-04
281	2	-0.17	2.17	-0.13	-1.12e-04	2.72e-04	-2.63e-04
282	1	1.59	-0.23	-0.03	-1.85e-04	5.77e-04	-2.07e-04
282	2	-0.15	2.23	-0.07	-5.24e-05	2.57e-04	-2.63e-04
283	1	0.91	0.28	-0.05	0.01	4.93e-03	-1.95e-04
283	2	0.09	0.33	-0.05	-0.02	-6.32e-03	-2.08e-04
284	1	0.84	0.26	-0.05	-1.41e-04	3.86e-04	-1.75e-04
284	2	0.07	0.32	-0.05	-2.36e-05	8.03e-05	-1.90e-04
285	1	0.97	0.30	-0.05	8.35e-03	3.58e-03	-1.43e-04
285	2	0.18	0.36	-0.05	-0.01	-3.79e-03	-1.79e-04
286	1	0.94	0.29	-0.05	8.19e-03	3.49e-03	-1.67e-04
286	2	0.15	0.35	-0.05	-0.01	-4.09e-03	-1.92e-04
287	1	0.98	0.31	-0.05	0.01	5.02e-03	-1.76e-04
287	2	0.16	0.35	-0.05	-0.02	-6.20e-03	-2.01e-04
288	1	0.90	0.28	-0.05	-1.54e-04	4.10e-04	-1.62e-04
288	2	0.14	0.35	-0.05	-4.58e-05	1.02e-04	-1.87e-04
289	1	1.54	0.03	-0.14	-1.02e-03	3.45e-03	2.63e-05
289	2	-0.34	2.82	-0.11	-9.70e-04	3.17e-03	-1.23e-04
290	1	1.66	-0.23	-0.09	-2.28e-04	6.06e-04	-2.06e-04
290	2	-0.07	2.24	-0.10	-1.84e-04	2.93e-04	-2.71e-04
291	1	1.65	-0.26	-0.17	-2.33e-04	6.16e-04	-2.07e-04
291	2	-0.08	2.20	-0.13	-1.94e-04	3.09e-04	-2.64e-04
292	1	1.66	-0.20	-0.02	-1.73e-04	5.98e-04	-2.07e-04
292	2	-0.06	2.28	-0.07	-1.36e-04	3.07e-04	-2.64e-04
293	1	1.28	-0.35	-0.09	-1.79e-04	5.10e-04	-1.88e-04
293	2	-0.35	2.12	-0.09	-6.72e-05	2.00e-04	-2.14e-04
294	1	1.09	-0.42	-0.13	1.04e-03	-2.95e-03	-2.55e-04
294	2	-0.74	2.06	-0.02	8.01e-04	-2.56e-03	-2.66e-04
295	1	1.11	-0.44	-0.23	-7.51e-04	3.12e-03	-5.51e-05
295	2	-0.71	2.04	-0.07	-8.01e-04	2.70e-03	-1.37e-05
296	1	0.69	-0.91	-0.09	1.30e-03	-3.28e-03	-1.88e-04
296	2	-1.03	1.68	-0.06	1.14e-03	-2.97e-03	-1.76e-04
297	1	2.19	0.07	-2.74	-2.53e-03	2.75e-03	-8.84e-05
297	2	0.66	2.99	-2.84	-2.59e-03	2.86e-03	-2.15e-04
298	1	2.16	0.05	-3.23	-2.57e-03	1.94e-03	-9.49e-05
298	2	0.62	2.92	-3.36	-2.64e-03	2.05e-03	-2.27e-04
299	1	0.27	0.11	-0.01	-2.35e-05	2.40e-04	-3.75e-05
299	2	-0.43	0.18	-0.07	2.25e-05	-8.09e-05	-2.78e-05
300	1	1.73	-0.20	-0.09	-2.27e-04	6.29e-04	-2.02e-04
300	2	0.02	2.28	-0.11	-2.18e-04	3.15e-04	-2.69e-04
301	1	1.72	-0.23	-0.16	-2.34e-04	6.41e-04	-2.06e-04
301	2	0.01	2.24	-0.15	-2.15e-04	3.37e-04	-2.65e-04
302	1	1.74	-0.18	-0.02	-1.73e-04	6.21e-04	-2.06e-04
302	2	0.03	2.32	-0.08	-1.74e-04	3.23e-04	-2.65e-04
303	1	1.27	-0.36	-0.09	-1.84e-04	4.96e-04	-1.88e-04
303	2	-0.37	2.11	-0.09	-6.97e-05	2.02e-04	-2.13e-04
304	1	1.76	-0.19	-0.08	-2.00e-04	6.67e-04	-1.99e-04
304	2	0.07	2.30	-0.12	-1.69e-04	3.49e-04	-2.71e-04
305	1	1.25	-0.37	-0.09	-1.83e-04	4.82e-04	-1.87e-04
305	2	-0.39	2.10	-0.09	-6.96e-05	1.87e-04	-2.14e-04
306	1	1.46	-0.29	-0.09	-2.09e-04	5.71e-04	-1.83e-04
306	2	-0.13	2.19	-0.10	-1.25e-04	2.80e-04	-2.36e-04
307	1	1.68	-0.22	-0.08	-2.34e-04	6.78e-04	-1.94e-04
307	2	0.06	2.27	-0.14	-2.40e-04	3.28e-04	-2.60e-04
308	1	1.64	-0.23	-0.08	-2.25e-04	6.74e-04	-1.92e-04
308	2	0.01	2.26	-0.12	-2.03e-04	3.30e-04	-2.58e-04
309	1	0.35	0.14	6.95e-03	-4.66e-05	2.28e-04	-3.54e-05
309	2	-0.37	0.21	-0.07	3.11e-05	-8.31e-05	-2.70e-05
310	1	1.80	-0.18	-0.08	-2.23e-04	6.45e-04	-1.99e-04
310	2	0.12	2.32	-0.14	-2.66e-04	3.27e-04	-2.71e-04
311	1	1.79	-0.21	-0.16	-2.24e-04	6.58e-04	-2.05e-04
311	2	0.11	2.29	-0.18	-2.63e-04	3.50e-04	-2.65e-04
312	1	1.81	-0.16	-4.26e-03	-1.73e-04	6.36e-04	-2.05e-04
312	2	0.13	2.36	-0.11	-2.41e-04	3.28e-04	-2.66e-04
313	1	1.83	0.10	-0.06	-1.10e-03	3.04e-03	-1.41e-04

313	2	0.08	2.97	-0.06	-1.07e-03	2.96e-03	-2.30e-04
314	1	1.46	-0.29	-0.09	8.52e-04	-2.66e-03	-2.29e-04
314	2	-0.33	2.19	-0.10	8.31e-04	-2.51e-03	-3.23e-04
315	1	1.45	-0.32	-0.12	-1.01e-03	2.94e-03	-2.02e-04
315	2	-0.35	2.15	-0.10	-9.37e-04	2.72e-03	-1.91e-04
316	1	1.26	-0.36	-0.09	-1.86e-04	4.88e-04	-1.88e-04
316	2	-0.38	2.11	-0.09	-6.84e-05	1.97e-04	-2.14e-04
317	1	1.04	-0.81	-0.06	1.11e-03	-3.11e-03	-1.61e-04
317	2	-0.73	1.75	-0.06	1.04e-03	-2.91e-03	-1.06e-04
318	1	1.01	0.32	-0.05	7.43e-03	3.15e-03	-1.28e-04
318	2	0.24	0.39	-0.07	-8.26e-03	-2.89e-03	-1.69e-04
319	1	1.29	-0.35	-0.09	-1.78e-04	5.12e-04	-1.89e-04
319	2	-0.33	2.12	-0.09	-7.09e-05	1.99e-04	-2.18e-04
320	1	1.87	-0.16	-0.08	-3.89e-04	5.74e-04	-2.02e-04
320	2	0.21	2.36	-0.19	-3.99e-04	2.68e-04	-2.65e-04
321	1	1.86	-0.18	-0.14	-2.57e-04	6.19e-04	-2.05e-04
321	2	0.20	2.32	-0.22	-3.07e-04	3.05e-04	-2.66e-04
322	1	1.88	-0.13	-0.02	-4.50e-04	4.91e-04	-2.05e-04
322	2	0.22	2.39	-0.18	-4.40e-04	2.15e-04	-2.66e-04
323	1	0.99	0.31	-0.05	8.71e-03	3.66e-03	-1.17e-04
323	2	0.21	0.37	-0.06	-0.01	-3.70e-03	-1.65e-04
324	1	0.62	0.18	-0.05	-1.04e-04	2.71e-04	-1.98e-04
324	2	-0.14	0.24	-0.05	9.86e-06	-2.34e-05	-1.81e-04
325	1	1.40	0.30	-0.06	-2.65e-04	7.46e-04	-1.36e-04
325	2	0.88	0.35	-0.06	-1.67e-04	4.70e-04	-2.07e-04
326	1	1.45	0.32	-0.06	-2.73e-04	7.63e-04	-1.25e-04
326	2	0.96	0.37	-0.06	-1.82e-04	5.08e-04	-2.03e-04
327	1	0.58	0.16	-0.05	-9.34e-05	2.62e-04	-1.99e-04
327	2	-0.18	0.23	-0.05	1.70e-05	-3.72e-05	-1.76e-04
328	1	0.65	0.19	-0.05	-1.10e-04	2.82e-04	-1.98e-04
328	2	-0.12	0.25	-0.05	4.00e-06	-1.37e-05	-1.82e-04
329	1	0.68	-0.91	-0.56	3.06e-03	-3.33e-03	-5.28e-05
329	2	-1.04	1.68	-0.52	2.90e-03	-3.03e-03	-2.61e-05
330	1	0.29	0.06	-0.07	-2.57e-06	2.20e-04	-2.06e-04
330	2	-0.41	0.14	-0.05	4.08e-05	-8.06e-05	-1.56e-04
331	1	1.53	-0.27	-0.07	8.64e-04	-2.61e-03	-2.09e-04
331	2	-0.26	2.21	-0.08	8.59e-04	-2.53e-03	-3.25e-04
332	1	1.49	0.34	-0.06	-2.81e-04	8.04e-04	-1.16e-04
332	2	1.03	0.40	-0.06	-1.98e-04	5.61e-04	-1.99e-04
333	1	1.52	-0.30	-0.13	-1.05e-03	2.97e-03	-1.83e-04
333	2	-0.26	2.18	-0.12	-9.56e-04	2.80e-03	-1.99e-04
334	1	1.62	-0.23	-0.06	-1.70e-04	6.16e-04	-1.81e-04
334	2	0.09	2.26	-0.18	-2.83e-04	2.46e-04	-2.49e-04
335	1	1.36	-0.33	-0.09	-1.91e-04	5.38e-04	-1.84e-04
335	2	-0.25	2.15	-0.09	-9.06e-05	2.28e-04	-2.23e-04
336	1	1.91	0.09	-0.06	-1.11e-03	3.07e-03	-7.08e-05
336	2	0.17	3.00	-0.06	-1.09e-03	3.00e-03	-2.23e-04
337	1	1.43	-0.30	-0.09	-1.90e-04	5.65e-04	-1.83e-04
337	2	-0.17	2.18	-0.09	-1.20e-04	2.50e-04	-2.32e-04
338	1	1.53	0.35	-0.05	-2.83e-04	8.35e-04	-9.92e-05
338	2	1.10	0.42	-0.05	-2.09e-04	6.05e-04	-1.87e-04
339	1	2.24	0.16	-0.05	-1.20e-03	3.22e-03	-1.91e-04
339	2	0.71	3.17	-0.07	-1.26e-03	3.32e-03	-2.93e-04
340	1	1.49	-0.28	-0.08	-1.84e-04	5.88e-04	-1.83e-04
340	2	-0.09	2.20	-0.11	-1.55e-04	2.63e-04	-2.41e-04
341	1	1.56	-0.25	-0.07	-1.90e-04	6.00e-04	-1.85e-04
341	2	1.55e-03	2.23	-0.13	-2.14e-04	2.69e-04	-2.49e-04
342	1	1.91	-0.15	-0.09	7.81e-04	-2.77e-03	-3.10e-05
342	2	0.26	2.42	-0.24	6.33e-04	-2.89e-03	-2.09e-04
343	1	1.93	-0.16	-0.10	-1.05e-03	2.95e-03	-1.98e-04
343	2	0.26	2.38	-0.22	-1.24e-03	3.12e-03	-2.90e-04
344	1	1.56	0.36	-0.05	-2.89e-04	8.37e-04	-8.09e-05
344	2	1.16	0.45	-0.05	-2.26e-04	6.21e-04	-1.72e-04
345	1	1.55	-0.67	-0.08	1.04e-03	-3.25e-03	-9.28e-05
345	2	-0.21	1.85	-0.10	1.02e-03	-3.35e-03	-4.70e-05
346	1	1.22	-0.34	-0.01	-1.77e-04	5.25e-04	-1.28e-04
346	2	-0.42	2.12	-0.06	-6.60e-05	2.08e-04	-1.45e-04
347	1	0.59	0.20	-4.56e-03	-9.15e-05	2.89e-04	-1.34e-04
347	2	-0.17	0.26	-0.05	1.63e-05	-1.40e-05	-1.22e-04
348	1	1.52	0.34	-0.06	-6.54e-05	9.61e-04	-1.53e-04
348	2	0.92	0.36	-0.06	-1.80e-03	-6.72e-05	-2.31e-04
349	1	1.50	0.34	-0.06	6.94e-04	1.23e-03	-1.53e-04

349	2	0.90	0.35	-0.06	-8.95e-03	-2.69e-03	-2.29e-04
350	1	1.59	0.37	-0.04	-2.60e-04	8.10e-04	-6.70e-05
350	2	1.22	0.47	-0.05	-2.15e-04	6.00e-04	-1.61e-04
351	1	1.66	0.40	-0.06	1.30e-03	1.51e-03	-1.55e-04
351	2	0.99	0.38	-0.06	-0.01	-4.52e-03	-2.47e-04
352	1	1.53	0.35	-0.06	-7.23e-04	7.32e-04	-1.51e-04
352	2	0.94	0.37	-0.06	-2.95e-04	4.99e-04	-2.31e-04
353	1	0.67	0.20	-0.05	-1.08e-04	2.98e-04	-1.98e-04
353	2	-0.09	0.26	-0.05	0.0	-5.85e-06	-1.83e-04
354	1	0.74	0.22	-0.05	-1.20e-04	3.32e-04	-1.89e-04
354	2	-0.03	0.28	-0.05	-1.11e-05	2.79e-05	-1.89e-04
355	1	1.52	0.35	-0.06	-1.23e-04	9.45e-04	-1.53e-04
355	2	0.93	0.36	-0.06	-1.17e-03	1.72e-04	-2.31e-04
356	1	1.69	0.41	-0.06	3.05e-05	1.05e-03	-1.73e-04
356	2	1.03	0.40	-0.06	-1.69e-03	4.85e-06	-2.58e-04
357	1	1.54	0.35	-0.06	7.39e-04	1.27e-03	-1.47e-04
357	2	0.96	0.37	-0.06	-7.15e-03	-1.27e-03	-2.28e-04
358	1	0.81	0.25	-0.05	-1.27e-04	3.69e-04	-1.80e-04
358	2	0.04	0.31	-0.05	-1.88e-05	6.17e-05	-1.90e-04
359	1	1.71	0.42	-0.06	1.49e-03	1.61e-03	-1.74e-04
359	2	1.06	0.41	-0.06	-0.01	-3.72e-03	-2.66e-04
360	1	1.37	-0.33	-0.09	-3.11e-05	6.27e-04	-2.06e-04
360	2	-0.33	2.13	-0.09	-1.09e-04	2.20e-04	-2.29e-04
361	1	1.35	-0.33	-0.09	-1.73e-04	5.70e-04	-2.04e-04
361	2	-0.34	2.13	-0.09	-8.15e-05	2.24e-04	-2.30e-04
362	1	0.87	0.27	-0.05	-1.36e-04	4.02e-04	-1.66e-04
362	2	0.11	0.33	-0.05	-3.23e-05	9.12e-05	-1.87e-04
363	1	1.68	0.40	-0.06	3.44e-05	1.05e-03	-1.66e-04
363	2	1.02	0.39	-0.06	-2.49e-03	-2.97e-04	-2.53e-04
364	1	1.70	0.41	-0.06	1.25e-03	1.51e-03	-1.78e-04
364	2	1.04	0.41	-0.06	-3.17e-03	-5.27e-04	-2.62e-04
365	1	1.49	-0.27	-0.06	-2.19e-04	5.23e-04	-2.16e-04
365	2	-0.27	2.18	-0.08	-1.20e-04	2.30e-04	-2.55e-04
366	1	1.45	-0.29	-0.06	-1.82e-04	5.39e-04	-2.19e-04
366	2	-0.31	2.16	-0.08	-5.57e-05	2.23e-04	-2.47e-04
367	1	1.44	-0.33	-0.16	-1.86e-04	5.31e-04	-2.20e-04
367	2	-0.32	2.11	-0.12	-6.26e-05	2.23e-04	-2.46e-04
368	1	0.98	-0.47	-0.16	6.60e-04	7.65e-04	-2.15e-04
368	2	-0.75	1.98	-0.02	7.47e-04	3.68e-04	-2.16e-04
369	1	1.44	-0.31	-0.13	-1.85e-04	5.44e-04	-2.19e-04
369	2	-0.32	2.13	-0.11	-6.19e-05	2.27e-04	-2.47e-04
370	1	1.45	-0.30	-0.09	-1.86e-04	5.48e-04	-2.18e-04
370	2	-0.31	2.15	-0.09	-6.16e-05	2.26e-04	-2.51e-04
371	1	1.47	-0.29	-0.09	-2.08e-04	5.52e-04	-2.25e-04
371	2	-0.29	2.16	-0.09	-8.50e-05	2.34e-04	-2.51e-04
372	1	1.02	0.33	-0.05	0.01	5.35e-03	-9.59e-05
372	2	0.22	0.38	-0.06	-0.02	-5.66e-03	-1.55e-04
373	1	0.95	0.30	-0.05	-1.62e-04	3.98e-04	-1.29e-04
373	2	0.21	0.37	-0.06	-7.80e-05	9.54e-05	-1.71e-04
374	1	1.45	-0.31	-0.13	-1.96e-04	5.47e-04	-2.20e-04
374	2	-0.31	2.13	-0.11	-7.21e-05	2.28e-04	-2.50e-04
375	1	1.47	-0.31	-0.13	-2.07e-04	5.50e-04	-2.19e-04
375	2	-0.29	2.14	-0.11	-8.39e-05	2.30e-04	-2.53e-04
376	1	1.76	-0.18	-0.06	-3.90e-04	6.52e-04	-1.84e-04
376	2	0.18	2.32	-0.20	-4.71e-04	2.79e-04	-2.51e-04
377	1	1.48	-0.30	-0.13	-2.19e-04	5.54e-04	-2.13e-04
377	2	-0.27	2.15	-0.11	-1.11e-04	2.38e-04	-2.59e-04
378	1	1.45	-0.32	-0.16	-1.96e-04	5.40e-04	-2.19e-04
378	2	-0.31	2.12	-0.12	-6.90e-05	2.26e-04	-2.50e-04
379	1	1.46	-0.32	-0.16	-2.06e-04	5.45e-04	-2.17e-04
379	2	-0.30	2.12	-0.12	-8.08e-05	2.27e-04	-2.54e-04
380	1	1.08	0.19	-0.11	-1.49e-04	6.88e-04	-1.83e-04
380	2	0.46	0.19	-0.09	-6.67e-05	3.57e-04	-2.15e-04
381	1	0.66	0.19	-0.05	-1.08e-04	2.93e-04	-1.98e-04
381	2	-0.11	0.25	-0.05	1.22e-06	-9.58e-06	-1.84e-04
382	1	1.46	-0.30	-0.09	-1.98e-04	5.51e-04	-2.22e-04
382	2	-0.30	2.15	-0.09	-7.31e-05	2.31e-04	-2.51e-04
383	1	1.38	-0.32	-0.09	-3.58e-04	5.18e-04	-2.07e-04
383	2	-0.31	2.14	-0.09	-1.37e-04	2.17e-04	-2.29e-04
384	1	1.49	-0.29	-0.09	-2.20e-04	5.52e-04	-2.26e-04
384	2	-0.27	2.16	-0.09	-1.14e-04	2.37e-04	-2.48e-04
385	1	0.65	0.19	-0.05	1.15e-03	7.47e-04	-2.05e-04

385	2	-0.14	0.24	-0.05	-1.88e-03	-7.16e-04	-1.88e-04
386	1	0.63	0.18	-0.05	3.83e-03	1.72e-03	-2.01e-04
386	2	-0.16	0.24	-0.05	-5.93e-03	-2.20e-03	-1.86e-04
387	1	0.65	0.19	-0.05	5.95e-03	2.50e-03	-2.03e-04
387	2	-0.16	0.23	-0.05	-9.15e-03	-3.38e-03	-1.92e-04
388	1	0.67	0.20	-0.05	2.75e-04	4.41e-04	-2.09e-04
388	2	-0.12	0.25	-0.05	-5.13e-04	-2.06e-04	-1.89e-04
389	1	0.66	0.19	-0.05	5.28e-04	5.25e-04	-2.08e-04
389	2	-0.13	0.25	-0.05	-9.26e-04	-3.62e-04	-1.89e-04
390	1	0.68	0.20	-0.05	8.00e-04	6.30e-04	-2.19e-04
390	2	-0.13	0.25	-0.05	-1.32e-03	-5.09e-04	-1.95e-04
391	1	0.69	0.20	-0.05	2.76e-03	1.35e-03	-2.09e-04
391	2	-0.11	0.25	-0.05	-4.18e-03	-1.52e-03	-1.91e-04
392	1	0.71	0.21	-0.05	4.68e-03	2.06e-03	-2.28e-04
392	2	-0.11	0.25	-0.05	-6.98e-03	-2.54e-03	-1.96e-04
393	1	0.89	-0.48	-0.16	-5.39e-05	4.82e-04	-2.15e-04
393	2	-0.76	1.96	-0.01	-1.18e-04	5.89e-05	-2.07e-04
394	1	0.64	0.18	-0.05	-1.08e-04	2.76e-04	-1.98e-04
394	2	-0.13	0.25	-0.05	7.14e-06	-1.82e-05	-1.81e-04
395	1	1.46	-0.28	-0.06	-1.96e-04	5.40e-04	-2.20e-04
395	2	-0.30	2.17	-0.08	-7.05e-05	2.30e-04	-2.50e-04
396	1	1.48	-0.26	-0.03	-2.18e-04	5.25e-04	-2.18e-04
396	2	-0.28	2.19	-0.06	-9.91e-05	2.32e-04	-2.53e-04
397	1	1.47	-0.28	-0.06	-2.08e-04	5.35e-04	-2.20e-04
397	2	-0.28	2.17	-0.08	-8.76e-05	2.30e-04	-2.52e-04
398	1	0.29	0.05	-0.08	7.32e-03	2.89e-03	-2.06e-04
398	2	-0.43	0.13	-0.05	-0.01	-4.30e-03	-1.49e-04
399	1	1.49	-0.26	-0.03	-2.15e-04	5.31e-04	-2.08e-04
399	2	-0.26	2.20	-0.07	-1.22e-04	2.25e-04	-2.63e-04
400	1	1.02	0.33	-0.05	9.18e-03	3.78e-03	-1.28e-04
400	2	0.26	0.39	-0.07	-9.54e-03	-3.37e-03	-1.70e-04
401	1	1.59	-0.24	-0.07	-1.99e-04	6.08e-04	-1.87e-04
401	2	0.05	2.25	-0.15	-2.09e-04	2.88e-04	-2.54e-04
402	1	0.99	0.31	-0.05	-1.54e-04	3.62e-04	-1.34e-04
402	2	0.25	0.39	-0.07	-9.91e-05	6.60e-05	-1.74e-04
403	1	0.77	0.23	-0.05	7.66e-03	3.20e-03	-1.98e-04
403	2	-0.02	0.29	-0.05	-0.01	-4.07e-03	-1.97e-04
404	1	0.60	0.17	-0.05	-9.19e-05	2.67e-04	-1.97e-04
404	2	-0.16	0.24	-0.05	1.49e-05	-3.18e-05	-1.80e-04
405	1	0.74	0.22	-0.05	6.60e-03	2.78e-03	-2.01e-04
405	2	-0.06	0.27	-0.05	-9.77e-03	-3.54e-03	-1.97e-04
406	1	0.77	0.23	-0.05	0.01	4.20e-03	-2.10e-04
406	2	-0.06	0.27	-0.05	-0.02	-5.60e-03	-2.05e-04
407	1	0.71	0.21	-0.05	-1.24e-04	3.14e-04	-1.92e-04
407	2	-0.06	0.27	-0.05	-4.08e-06	1.40e-05	-1.89e-04
408	1	0.70	0.21	-0.05	1.36e-03	8.62e-04	-2.07e-04
408	2	-0.09	0.26	-0.05	-2.17e-03	-7.95e-04	-1.90e-04
409	1	0.84	0.26	-0.05	8.07e-03	3.39e-03	-1.89e-04
409	2	0.05	0.31	-0.05	-0.01	-4.21e-03	-1.98e-04
410	1	1.53	-0.29	-0.16	-2.02e-04	5.67e-04	-2.08e-04
410	2	-0.22	2.15	-0.13	-7.03e-05	2.68e-04	-2.63e-04
411	1	0.27	0.05	-0.08	-1.25e-06	2.25e-04	-2.07e-04
411	2	-0.43	0.14	-0.05	4.43e-05	-7.14e-05	-1.51e-04
412	1	1.55	-0.24	-0.03	-2.20e-04	5.64e-04	-2.08e-04
412	2	-0.20	2.21	-0.07	-9.17e-05	2.45e-04	-2.63e-04
413	1	1.61	-0.27	-0.17	-2.07e-04	6.03e-04	-2.07e-04
413	2	-0.13	2.18	-0.13	-8.90e-05	2.78e-04	-2.64e-04
414	1	1.62	-0.21	-0.02	-2.21e-04	5.89e-04	-2.07e-04
414	2	-0.11	2.26	-0.06	-1.10e-04	2.85e-04	-2.64e-04
415	1	1.68	-0.24	-0.17	-2.08e-04	6.26e-04	-2.06e-04
415	2	-0.03	2.22	-0.14	-1.23e-04	3.20e-04	-2.65e-04
416	1	1.59	0.38	-0.04	-2.64e-04	7.97e-04	-5.62e-05
416	2	1.24	0.48	-0.05	-2.19e-04	5.88e-04	-1.53e-04
417	1	1.70	-0.19	-0.02	-2.22e-04	6.13e-04	-2.06e-04
417	2	-0.01	2.30	-0.07	-1.48e-04	3.11e-04	-2.65e-04
418	1	1.76	-0.22	-0.16	-2.04e-04	6.50e-04	-2.05e-04
418	2	0.06	2.26	-0.16	-1.72e-04	3.37e-04	-2.65e-04
419	1	1.77	-0.17	-7.16e-03	-2.21e-04	6.33e-04	-2.05e-04
419	2	0.08	2.34	-0.09	-2.03e-04	3.30e-04	-2.65e-04
420	1	1.83	-0.19	-0.15	-1.80e-04	6.66e-04	-2.05e-04
420	2	0.16	2.30	-0.20	-2.20e-04	3.46e-04	-2.66e-04
421	1	1.84	-0.14	5.53e-03	-2.42e-04	5.96e-04	-2.05e-04

421	2	0.17	2.38	-0.13	-2.84e-04	2.87e-04	-2.66e-04
422	1	1.83	-0.18	-0.11	-1.69e-04	6.63e-04	-2.05e-04
422	2	0.16	2.32	-0.18	-2.18e-04	3.41e-04	-2.66e-04
423	1	1.83	-0.19	-0.13	-1.74e-04	6.63e-04	-2.05e-04
423	2	0.16	2.31	-0.19	-2.17e-04	3.43e-04	-2.66e-04
424	1	1.80	-0.20	-0.14	-2.24e-04	6.59e-04	-2.05e-04
424	2	0.11	2.29	-0.17	-2.68e-04	3.52e-04	-2.66e-04
425	1	1.87	-0.17	-0.12	-2.89e-04	6.14e-04	-2.05e-04
425	2	0.21	2.33	-0.21	-3.30e-04	3.01e-04	-2.66e-04
426	1	1.84	-0.15	-0.01	-2.11e-04	6.06e-04	-2.05e-04
426	2	0.17	2.37	-0.14	-2.60e-04	2.94e-04	-2.66e-04
427	1	1.81	-0.16	-0.02	-1.86e-04	6.37e-04	-2.05e-04
427	2	0.12	2.35	-0.12	-2.51e-04	3.30e-04	-2.66e-04
428	1	1.88	-0.13	-0.04	-4.35e-04	4.96e-04	-2.05e-04
428	2	0.22	2.38	-0.18	-4.30e-04	2.18e-04	-2.66e-04
429	1	1.64	-0.22	-0.06	-1.81e-04	6.07e-04	-1.71e-04
429	2	0.12	2.27	-0.20	-2.95e-04	2.44e-04	-2.44e-04
430	1	1.84	-0.15	-0.03	-1.90e-04	6.31e-04	-2.05e-04
430	2	0.17	2.36	-0.14	-2.41e-04	3.09e-04	-2.66e-04
431	1	1.61	-0.25	-0.13	-2.00e-04	6.09e-04	-2.07e-04
431	2	-0.12	2.20	-0.11	-8.41e-05	2.84e-04	-2.64e-04
432	1	1.58	-0.27	-0.15	-2.52e-04	5.92e-04	-2.08e-04
432	2	-0.17	2.17	-0.12	-1.12e-04	2.72e-04	-2.63e-04
433	1	1.61	-0.26	-0.15	-2.03e-04	6.05e-04	-2.07e-04
433	2	-0.12	2.19	-0.12	-8.63e-05	2.82e-04	-2.64e-04
434	1	1.35	0.26	-0.11	4.11e-03	2.34e-03	-2.01e-04
434	2	0.59	0.23	-0.09	-0.03	-9.53e-03	-2.15e-04
435	1	1.52	-0.27	-0.08	-2.03e-04	5.87e-04	-1.84e-04
435	2	-0.04	2.22	-0.12	-1.66e-04	2.82e-04	-2.45e-04
436	1	0.31	0.05	-0.08	0.01	4.33e-03	-2.06e-04
436	2	-0.44	0.13	-0.05	-0.02	-6.58e-03	-1.49e-04
437	1	1.93	0.49	-0.04	6.84e-03	3.60e-03	-1.24e-05
437	2	1.49	0.57	-0.06	-0.02	-7.94e-03	-1.20e-04
438	1	1.06	0.34	-0.05	0.01	5.65e-03	-1.23e-04
438	2	0.27	0.40	-0.07	-0.01	-5.21e-03	-1.67e-04
439	1	1.75	0.43	-0.04	4.28e-03	2.62e-03	-3.32e-05
439	2	1.35	0.52	-0.06	-0.02	-4.81e-03	-1.35e-04
440	1	1.89	-0.15	-0.06	-4.58e-04	5.91e-04	-1.98e-04
440	2	0.24	2.37	-0.20	-5.24e-04	2.47e-04	-2.60e-04
441	1	1.48	-0.31	-0.16	-2.19e-04	5.51e-04	-2.08e-04
441	2	-0.28	2.13	-0.12	-1.07e-04	2.28e-04	-2.63e-04
442	1	1.43	-0.28	-0.03	-1.45e-04	5.33e-04	-2.20e-04
442	2	-0.33	2.17	-0.07	-2.40e-05	2.11e-04	-2.42e-04
443	1	1.43	-0.29	-0.06	-1.47e-04	5.21e-04	-2.20e-04
443	2	-0.34	2.15	-0.08	-2.83e-05	1.96e-04	-2.41e-04
444	1	1.21	0.22	-0.11	2.70e-03	1.80e-03	-1.90e-04
444	2	0.52	0.21	-0.09	-0.02	-5.90e-03	-2.14e-04
445	1	1.42	-0.34	-0.16	-1.97e-04	5.12e-04	-2.20e-04
445	2	-0.35	2.11	-0.12	-9.58e-05	2.07e-04	-2.41e-04
446	1	1.42	-0.32	-0.13	-1.79e-04	5.16e-04	-2.20e-04
446	2	-0.35	2.12	-0.11	-6.94e-05	2.10e-04	-2.41e-04
447	1	1.45	-0.27	-0.03	-1.86e-04	5.38e-04	-2.20e-04
447	2	-0.31	2.18	-0.07	-5.42e-05	2.29e-04	-2.46e-04
448	1	1.47	-0.27	-0.03	-2.05e-04	5.33e-04	-2.19e-04
448	2	-0.29	2.18	-0.06	-7.47e-05	2.33e-04	-2.50e-04
449	1	1.30	0.26	-0.08	2.12e-03	1.65e-03	-1.89e-04
449	2	0.62	0.25	-0.07	-0.02	-6.95e-03	-2.25e-04
450	1	1.26	0.25	-0.09	2.37e-03	1.71e-03	-1.92e-04
450	2	0.59	0.23	-0.08	-0.02	-6.48e-03	-2.18e-04
451	1	1.41	0.29	-0.09	3.63e-03	2.20e-03	-2.24e-04
451	2	0.65	0.25	-0.08	-0.03	-0.01	-2.27e-04
452	1	1.13	0.21	-0.09	-1.73e-04	6.69e-04	-1.76e-04
452	2	0.52	0.22	-0.07	-8.21e-05	3.37e-04	-2.14e-04
453	1	1.23	0.23	-0.10	2.77e-03	1.83e-03	-1.87e-04
453	2	0.55	0.22	-0.08	-0.01	-3.87e-03	-2.15e-04
454	1	1.36	0.28	-0.06	2.08e-03	1.67e-03	-1.78e-04
454	2	0.71	0.28	-0.06	-0.02	-7.06e-03	-2.33e-04
455	1	1.33	0.27	-0.07	2.06e-03	1.64e-03	-1.82e-04
455	2	0.67	0.26	-0.06	-0.02	-7.07e-03	-2.31e-04
456	1	1.48	0.32	-0.07	3.19e-03	2.10e-03	-1.97e-04
456	2	0.74	0.29	-0.06	-0.03	-0.01	-2.53e-04
457	1	1.20	0.23	-0.07	-2.08e-04	6.73e-04	-1.70e-04

457	2	0.60	0.24	-0.06	-1.04e-04	3.44e-04	-2.15e-04
458	1	1.42	0.31	-0.06	2.06e-03	1.69e-03	-1.71e-04
458	2	0.79	0.31	-0.06	-0.02	-6.81e-03	-2.33e-04
459	1	1.39	0.30	-0.06	2.10e-03	1.68e-03	-1.74e-04
459	2	0.75	0.30	-0.06	-0.02	-7.01e-03	-2.33e-04
460	1	1.55	0.35	-0.06	3.28e-03	2.16e-03	-1.88e-04
460	2	0.83	0.32	-0.06	-0.03	-0.01	-2.57e-04
461	1	1.25	0.25	-0.06	-2.35e-04	6.86e-04	-1.62e-04
461	2	0.67	0.27	-0.06	-1.26e-04	3.70e-04	-2.13e-04
462	1	1.48	0.33	-0.06	4.94e-04	1.15e-03	-1.58e-04
462	2	0.87	0.34	-0.06	-0.01	-3.25e-03	-2.29e-04
463	1	1.45	0.32	-0.06	1.82e-03	1.61e-03	-1.66e-04
463	2	0.83	0.33	-0.06	-0.02	-6.19e-03	-2.33e-04
464	1	1.61	0.38	-0.06	3.00e-03	2.09e-03	-1.84e-04
464	2	0.92	0.36	-0.06	-0.03	-9.80e-03	-2.56e-04
465	1	1.31	0.27	-0.05	-2.53e-04	7.06e-04	-1.52e-04
465	2	0.75	0.30	-0.06	-1.44e-04	4.04e-04	-2.11e-04
466	1	1.08	-0.43	-0.12	-6.89e-05	5.14e-04	-2.15e-04
466	2	-0.64	2.02	-0.06	-3.98e-05	1.06e-04	-2.25e-04
467	1	1.04	-0.44	-0.13	2.09e-04	6.07e-04	-2.16e-04
467	2	-0.68	2.01	-0.04	2.48e-04	2.01e-04	-2.22e-04
468	1	1.13	-0.42	-0.13	-7.81e-05	4.89e-04	-2.19e-04
468	2	-0.67	2.03	-0.04	-1.02e-04	8.47e-05	-2.28e-04
469	1	0.95	-0.46	-0.13	-8.93e-05	4.47e-04	-2.13e-04
469	2	-0.69	1.98	-0.04	-9.93e-05	5.05e-05	-2.14e-04
470	1	1.00	-0.46	-0.15	1.70e-03	1.14e-03	-2.14e-04
470	2	-0.72	1.99	-0.03	1.92e-03	7.98e-04	-2.18e-04
471	1	1.15	-0.40	-0.11	-1.49e-04	5.02e-04	-2.12e-04
471	2	-0.57	2.05	-0.08	-8.21e-05	1.16e-04	-2.26e-04
472	1	1.11	-0.42	-0.11	-1.28e-04	5.00e-04	-2.14e-04
472	2	-0.60	2.03	-0.07	-8.07e-05	1.04e-04	-2.25e-04
473	1	1.21	-0.39	-0.12	-1.08e-04	4.88e-04	-2.23e-04
473	2	-0.59	2.06	-0.07	-6.21e-05	1.12e-04	-2.36e-04
474	1	1.03	-0.44	-0.11	-1.20e-04	4.37e-04	-2.07e-04
474	2	-0.62	2.01	-0.07	-7.86e-05	7.85e-05	-2.13e-04
475	1	1.30	-0.35	-0.09	-2.97e-05	5.99e-04	-2.03e-04
475	2	-0.40	2.11	-0.09	-1.19e-03	-2.12e-04	-2.30e-04
476	1	1.26	-0.36	-0.10	-1.55e-04	5.39e-04	-2.07e-04
476	2	-0.44	2.09	-0.09	-2.66e-04	1.05e-04	-2.30e-04
477	1	1.36	-0.33	-0.10	-1.60e-04	5.19e-04	-2.19e-04
477	2	-0.41	2.11	-0.09	-3.73e-05	1.87e-04	-2.48e-04
478	1	1.17	-0.39	-0.09	-1.60e-04	4.65e-04	-1.94e-04
478	2	-0.47	2.07	-0.09	-6.07e-05	1.46e-04	-2.13e-04
479	1	1.23	-0.37	-0.10	-1.68e-04	5.20e-04	-2.09e-04
479	2	-0.48	2.08	-0.09	-1.07e-04	1.42e-04	-2.29e-04
480	1	1.19	-0.39	-0.10	-1.61e-04	5.10e-04	-2.11e-04
480	2	-0.52	2.06	-0.08	-8.33e-05	1.33e-04	-2.28e-04
481	1	1.28	-0.36	-0.10	-1.41e-04	5.02e-04	-2.22e-04
481	2	-0.50	2.09	-0.08	-4.70e-05	1.48e-04	-2.44e-04
482	1	1.10	-0.41	-0.10	-1.43e-04	4.46e-04	-2.00e-04
482	2	-0.55	2.04	-0.08	-6.59e-05	1.11e-04	-2.12e-04
483	1	0.38	0.09	-0.06	7.78e-03	3.06e-03	-2.10e-04
483	2	-0.37	0.16	-0.05	-0.01	-4.57e-03	-1.56e-04
484	1	0.35	0.07	-0.06	7.57e-03	2.98e-03	-2.11e-04
484	2	-0.39	0.15	-0.05	-0.01	-4.44e-03	-1.48e-04
485	1	0.36	0.08	-0.06	0.01	4.41e-03	-2.14e-04
485	2	-0.40	0.15	-0.05	-0.02	-6.71e-03	-1.43e-04
486	1	0.33	0.07	-0.06	-2.36e-05	2.04e-04	-2.10e-04
486	2	-0.38	0.15	-0.05	3.95e-05	-9.42e-05	-1.52e-04
487	1	0.31	0.06	-0.07	6.19e-03	2.48e-03	-2.06e-04
487	2	-0.42	0.14	-0.05	-9.64e-03	-3.61e-03	-1.51e-04
488	1	0.46	0.12	-0.05	7.88e-03	3.12e-03	-2.10e-04
488	2	-0.31	0.18	-0.05	-0.01	-4.57e-03	-1.69e-04
489	1	0.42	0.10	-0.05	7.85e-03	3.10e-03	-2.10e-04
489	2	-0.34	0.17	-0.05	-0.01	-4.59e-03	-1.65e-04
490	1	0.44	0.11	-0.05	0.01	4.54e-03	-2.14e-04
490	2	-0.35	0.17	-0.05	-0.02	-6.83e-03	-1.69e-04
491	1	0.40	0.10	-0.05	-5.92e-05	2.02e-04	-2.06e-04
491	2	-0.33	0.17	-0.05	3.52e-05	-9.72e-05	-1.62e-04
492	1	0.53	0.15	-0.05	7.77e-03	3.11e-03	-2.09e-04
492	2	-0.24	0.20	-0.05	-0.01	-4.44e-03	-1.77e-04
493	1	0.49	0.13	-0.05	7.88e-03	3.13e-03	-2.10e-04

493	2	-0.28	0.19	-0.05	-0.01	-4.53e-03	-1.74e-04
494	1	0.51	0.14	-0.05	0.01	4.59e-03	-2.16e-04
494	2	-0.28	0.19	-0.05	-0.02	-6.76e-03	-1.81e-04
495	1	0.48	0.12	-0.05	-7.93e-05	2.18e-04	-2.04e-04
495	2	-0.27	0.20	-0.05	2.81e-05	-7.93e-05	-1.68e-04
496	1	0.61	0.17	-0.05	5.18e-03	2.20e-03	-2.05e-04
496	2	-0.18	0.23	-0.05	-8.05e-03	-2.98e-03	-1.83e-04
497	1	0.57	0.16	-0.05	7.34e-03	2.97e-03	-2.08e-04
497	2	-0.21	0.22	-0.05	-0.01	-4.17e-03	-1.81e-04
498	1	0.59	0.17	-0.05	0.01	4.40e-03	-2.16e-04
498	2	-0.22	0.21	-0.05	-0.02	-6.35e-03	-1.88e-04
499	1	0.55	0.15	-0.05	-8.92e-05	2.43e-04	-2.01e-04
499	2	-0.21	0.22	-0.05	2.10e-05	-5.38e-05	-1.75e-04
500	1	1.60	0.37	-0.06	3.07e-03	2.13e-03	-1.43e-04
500	2	1.06	0.41	-0.06	-0.02	-6.33e-03	-2.32e-04
501	1	1.58	0.37	-0.06	2.45e-03	1.90e-03	-1.31e-04
501	2	1.02	0.40	-0.06	-0.02	-5.38e-03	-2.25e-04
502	1	1.74	0.43	-0.06	4.02e-03	2.52e-03	-1.24e-04
502	2	1.12	0.43	-0.06	-0.03	-8.84e-03	-2.38e-04
503	1	1.43	0.31	-0.06	-2.91e-04	7.49e-04	-1.27e-04
503	2	0.92	0.36	-0.06	-1.88e-04	4.87e-04	-2.04e-04
504	1	1.55	0.36	-0.06	2.81e-04	1.11e-03	-1.41e-04
504	2	0.98	0.38	-0.06	-2.78e-03	-3.84e-04	-2.22e-04
505	1	1.66	0.39	-0.06	2.76e-03	2.10e-03	-1.45e-04
505	2	1.14	0.44	-0.06	-0.02	-6.73e-03	-2.33e-04
506	1	1.63	0.38	-0.06	3.00e-03	2.14e-03	-1.54e-04
506	2	1.10	0.43	-0.06	-0.02	-6.65e-03	-2.39e-04
507	1	1.80	0.45	-0.06	4.68e-03	2.80e-03	-2.05e-04
507	2	1.22	0.47	-0.06	-0.03	-0.01	-2.91e-04
508	1	1.47	0.33	-0.06	-2.97e-04	7.82e-04	-1.23e-04
508	2	0.99	0.39	-0.06	-2.02e-04	5.36e-04	-2.03e-04
509	1	1.70	0.41	-0.05	2.71e-03	2.15e-03	-1.13e-04
509	2	1.22	0.47	-0.06	-0.02	-6.68e-03	-2.10e-04
510	1	1.68	0.40	-0.06	2.69e-03	2.11e-03	-1.29e-04
510	2	1.18	0.46	-0.06	-0.02	-6.73e-03	-2.22e-04
511	1	1.87	0.47	-0.06	4.19e-03	2.72e-03	-1.57e-04
511	2	1.32	0.50	-0.06	-0.03	-0.01	-2.60e-04
512	1	1.51	0.34	-0.05	-3.06e-04	8.22e-04	-1.08e-04
512	2	1.06	0.41	-0.06	-2.19e-04	5.87e-04	-1.93e-04
513	1	1.73	0.42	-0.05	3.00e-03	2.26e-03	-6.59e-05
513	2	1.29	0.49	-0.05	-0.02	-6.36e-03	-1.67e-04
514	1	1.72	0.42	-0.05	2.78e-03	2.18e-03	-9.54e-05
514	2	1.26	0.48	-0.05	-0.02	-6.61e-03	-1.94e-04
515	1	1.92	0.49	-0.05	4.30e-03	2.81e-03	-1.07e-04
515	2	1.40	0.54	-0.05	-0.03	-0.01	-2.18e-04
516	1	1.55	0.36	-0.05	-3.03e-04	8.38e-04	-9.06e-05
516	2	1.13	0.44	-0.05	-2.29e-04	6.16e-04	-1.80e-04
517	1	1.75	0.43	-0.04	3.18e-03	2.23e-03	-3.89e-05
517	2	1.34	0.51	-0.05	-0.01	-3.13e-03	-1.38e-04
518	1	1.74	0.43	-0.05	3.57e-03	2.42e-03	-4.06e-05
518	2	1.32	0.50	-0.05	-0.02	-5.66e-03	-1.42e-04
519	1	1.93	0.49	-0.04	5.62e-03	3.23e-03	2.00e-05
519	2	1.46	0.56	-0.05	-0.03	-9.05e-03	-9.46e-05
520	1	1.57	0.37	-0.04	-2.90e-04	8.29e-04	-7.41e-05
520	2	1.19	0.46	-0.05	-2.29e-04	6.19e-04	-1.67e-04
521	1	1.47	-0.29	-0.09	-2.43e-04	6.04e-04	-1.98e-04
521	2	-0.21	2.18	-0.09	-9.52e-05	2.70e-04	-2.40e-04
522	1	1.43	-0.30	-0.09	-3.20e-04	5.59e-04	-2.01e-04
522	2	-0.25	2.16	-0.09	-8.70e-05	2.60e-04	-2.35e-04
523	1	1.54	-0.27	-0.09	-1.98e-04	5.91e-04	-2.19e-04
523	2	-0.21	2.18	-0.10	-6.26e-05	2.68e-04	-2.46e-04
524	1	1.33	-0.34	-0.09	-2.07e-04	5.18e-04	-1.85e-04
524	2	-0.29	2.14	-0.09	-7.04e-05	2.33e-04	-2.20e-04
525	1	1.40	-0.32	-0.09	-1.17e-03	2.28e-04	-2.05e-04
525	2	-0.29	2.14	-0.09	-2.86e-04	1.70e-04	-2.33e-04
526	1	1.54	-0.27	-0.09	-2.26e-04	6.39e-04	-1.94e-04
526	2	-0.12	2.21	-0.10	-1.34e-04	3.01e-04	-2.50e-04
527	1	1.50	-0.28	-0.09	-2.29e-04	6.25e-04	-1.96e-04
527	2	-0.17	2.19	-0.09	-1.14e-04	2.87e-04	-2.45e-04
528	1	1.62	-0.24	-0.10	-2.01e-04	6.20e-04	-2.08e-04
528	2	-0.12	2.22	-0.09	-8.60e-05	2.96e-04	-2.68e-04
529	1	1.39	-0.31	-0.09	-2.11e-04	5.47e-04	-1.83e-04

529	2	-0.21	2.16	-0.09	-8.92e-05	2.61e-04	-2.27e-04
530	1	1.61	-0.24	-0.09	-2.24e-04	6.64e-04	-1.92e-04
530	2	-0.03	2.24	-0.11	-1.75e-04	3.23e-04	-2.53e-04
531	1	1.57	-0.25	-0.09	-2.25e-04	6.53e-04	-1.93e-04
531	2	-0.08	2.22	-0.10	-1.54e-04	3.16e-04	-2.51e-04
532	1	1.69	-0.22	-0.09	-2.03e-04	6.44e-04	-2.04e-04
532	2	-0.02	2.26	-0.10	-1.13e-04	3.33e-04	-2.68e-04
533	1	1.05	-0.45	-0.19	-2.69e-05	5.35e-04	-2.19e-04
533	2	-0.75	2.00	-0.05	2.89e-06	1.98e-04	-2.34e-04
534	1	1.04	-0.48	-0.25	-2.39e-05	5.40e-04	-2.20e-04
534	2	-0.76	1.97	-0.07	9.61e-06	2.09e-04	-2.38e-04
535	1	1.06	-0.42	-0.12	-3.42e-05	5.02e-04	-2.20e-04
535	2	-0.74	2.03	-0.02	-7.74e-06	1.37e-04	-2.38e-04
536	1	1.05	-0.47	-0.24	-2.42e-05	5.39e-04	-2.20e-04
536	2	-0.76	1.98	-0.07	8.78e-06	2.06e-04	-2.38e-04
537	1	1.06	-0.43	-0.14	-2.81e-05	5.06e-04	-2.20e-04
537	2	-0.74	2.02	-0.03	0.0	1.45e-04	-2.38e-04
538	1	1.91	-0.14	-0.12	-4.18e-04	4.56e-04	-2.04e-04
538	2	0.27	2.38	-0.26	-4.21e-04	1.92e-04	-2.65e-04
539	1	1.90	-0.17	-0.17	-4.06e-04	5.31e-04	-2.05e-04
539	2	0.25	2.34	-0.27	-4.13e-04	2.42e-04	-2.66e-04
540	1	1.92	-0.11	-0.07	-4.35e-04	4.42e-04	-2.05e-04
540	2	0.27	2.41	-0.25	-4.34e-04	1.84e-04	-2.66e-04
541	1	1.90	-0.16	-0.15	-4.12e-04	5.19e-04	-2.05e-04
541	2	0.26	2.35	-0.27	-4.17e-04	2.33e-04	-2.66e-04
542	1	1.92	-0.12	-0.08	-4.33e-04	4.49e-04	-2.05e-04
542	2	0.27	2.40	-0.25	-4.33e-04	1.89e-04	-2.66e-04
543	1	0.42	0.16	0.02	-6.45e-05	2.35e-04	-3.49e-05
543	2	-0.31	0.23	-0.07	3.66e-05	-7.02e-05	-2.81e-05
544	1	0.49	0.19	0.02	-7.30e-05	2.58e-04	-3.63e-05
544	2	-0.25	0.25	-0.06	3.55e-05	-4.69e-05	-3.08e-05
545	1	1.91	-0.16	-0.14	-4.13e-04	4.99e-04	-2.05e-04
545	2	0.26	2.36	-0.26	-4.19e-04	2.19e-04	-2.66e-04
546	1	1.91	-0.13	-0.10	-4.34e-04	4.59e-04	-2.05e-04
546	2	0.27	2.39	-0.25	-4.34e-04	1.94e-04	-2.66e-04
547	1	0.59	0.22	0.03	-8.61e-05	2.90e-04	-1.15e-04
547	2	-0.17	0.28	-0.05	2.61e-05	-1.16e-05	-1.05e-04
548	1	0.56	0.22	0.03	-8.05e-05	2.86e-04	-6.34e-05
548	2	-0.19	0.28	-0.06	3.01e-05	-1.93e-05	-5.71e-05
549	1	1.38	0.30	-0.06	-2.77e-04	7.34e-04	-1.37e-04
549	2	0.85	0.34	-0.06	-1.71e-04	4.54e-04	-2.07e-04
550	1	1.09	0.22	6.77e-03	-1.66e-04	7.21e-04	0.0
550	2	0.47	0.23	-0.03	-9.06e-05	3.79e-04	0.0
551	1	1.16	0.24	0.03	-1.97e-04	7.07e-04	0.0
551	2	0.55	0.26	-0.01	-1.03e-04	3.74e-04	0.0
552	1	1.22	0.26	0.05	-2.22e-04	7.10e-04	0.0
552	2	0.63	0.29	-1.84e-03	-1.18e-04	3.90e-04	0.0
553	1	1.28	0.28	0.05	-2.40e-04	7.26e-04	0.0
553	2	0.70	0.32	6.17e-03	-1.33e-04	4.20e-04	0.0
554	1	1.34	0.31	0.06	-2.53e-04	7.34e-04	-9.60e-05
554	2	0.80	0.35	0.01	-1.47e-04	4.53e-04	-1.41e-04
555	1	1.33	0.30	0.06	-2.56e-04	7.46e-04	0.0
555	2	0.78	0.34	0.01	-1.50e-04	4.55e-04	0.0
556	1	1.54	0.38	0.19	-2.90e-04	8.34e-04	-1.44e-05
556	2	1.11	0.48	0.13	-2.08e-04	6.25e-04	-2.84e-05
557	1	1.57	0.39	0.20	-2.95e-04	8.26e-04	-1.19e-05
557	2	1.17	0.50	0.13	-2.30e-04	6.25e-04	-2.65e-05
558	1	1.37	0.33	0.16	-2.54e-04	7.51e-04	-9.51e-05
558	2	0.83	0.39	0.08	-1.41e-04	4.81e-04	-1.42e-04
559	1	1.43	0.33	0.06	-2.69e-04	7.89e-04	0.0
559	2	0.93	0.40	0.02	-1.75e-04	5.32e-04	0.0
560	1	1.47	0.35	0.07	-2.72e-04	8.20e-04	0.0
560	2	1.00	0.42	0.03	-1.87e-04	5.78e-04	0.0
561	1	1.52	0.36	0.08	-2.80e-04	8.45e-04	0.0
561	2	1.07	0.45	0.04	-2.04e-04	6.17e-04	0.0
562	1	1.55	0.37	0.08	-2.89e-04	8.46e-04	0.0
562	2	1.14	0.47	0.05	-2.26e-04	6.33e-04	0.0
563	1	1.58	0.38	0.09	-2.84e-04	8.40e-04	0.0
563	2	1.20	0.49	0.04	-2.38e-04	6.33e-04	0.0
564	1	1.07	0.22	-5.23e-03	-1.59e-04	7.11e-04	-6.84e-05
564	2	0.45	0.22	-0.03	-8.16e-05	3.81e-04	-8.16e-05
565	1	1.59	0.39	0.09	-2.71e-04	8.07e-04	-2.13e-05

565	2	1.23	0.50	0.04	-2.28e-04	6.04e-04	-5.36e-05
566	1	1.12	0.23	0.02	-1.81e-04	6.89e-04	-6.03e-05
566	2	0.51	0.25	-0.02	-9.27e-05	3.63e-04	-7.34e-05
567	1	1.19	0.25	0.04	-2.07e-04	6.83e-04	-5.78e-05
567	2	0.59	0.27	-7.35e-03	-1.04e-04	3.67e-04	-7.30e-05
568	1	1.25	0.27	0.05	-2.28e-04	6.91e-04	-5.49e-05
568	2	0.66	0.30	1.91e-03	-1.19e-04	3.88e-04	-7.26e-05
569	1	1.30	0.29	0.06	-2.43e-04	7.09e-04	-5.44e-05
569	2	0.74	0.33	9.33e-03	-1.33e-04	4.20e-04	-7.60e-05
570	1	1.42	0.33	0.06	-2.76e-04	7.62e-04	-6.81e-05
570	2	0.91	0.39	0.02	-1.70e-04	5.09e-04	-1.07e-04
571	1	1.46	0.34	0.07	-2.79e-04	7.88e-04	-3.99e-05
571	2	0.98	0.41	0.03	-1.82e-04	5.51e-04	-6.58e-05
572	1	1.51	0.36	0.08	-2.86e-04	8.16e-04	-3.42e-05
572	2	1.05	0.44	0.04	-1.98e-04	5.93e-04	-6.09e-05
573	1	1.54	0.37	0.08	-2.94e-04	8.25e-04	-2.87e-05
573	2	1.12	0.46	0.04	-2.17e-04	6.16e-04	-5.67e-05
574	1	1.57	0.38	0.09	-2.97e-04	8.19e-04	-2.36e-05
574	2	1.18	0.48	0.05	-2.35e-04	6.19e-04	-5.27e-05
575	1	1.37	0.29	-0.05	-2.76e-04	7.23e-04	-1.40e-04
575	2	0.83	0.33	-0.06	-1.68e-04	4.39e-04	-2.07e-04
576	1	1.08	0.24	0.10	-1.66e-04	7.13e-04	-3.22e-05
576	2	0.46	0.26	0.02	-8.82e-05	3.75e-04	-3.88e-05
577	1	1.15	0.26	0.12	-1.95e-04	6.99e-04	-2.96e-05
577	2	0.54	0.28	0.03	-9.72e-05	3.71e-04	-3.67e-05
578	1	1.21	0.28	0.14	-2.17e-04	7.01e-04	-2.82e-05
578	2	0.61	0.31	0.05	-1.06e-04	3.86e-04	-3.65e-05
579	1	1.27	0.30	0.15	-2.33e-04	7.15e-04	-2.79e-05
579	2	0.69	0.34	0.06	-1.18e-04	4.15e-04	-3.80e-05
580	1	1.34	0.32	0.16	-2.55e-04	7.33e-04	-8.14e-05
580	2	0.79	0.37	0.07	-1.40e-04	4.55e-04	-1.20e-04
581	1	1.32	0.32	0.16	-2.49e-04	7.34e-04	-4.57e-05
581	2	0.77	0.37	0.07	-1.34e-04	4.49e-04	-6.65e-05
582	1	1.38	0.33	0.16	-2.60e-04	7.60e-04	-5.49e-05
582	2	0.85	0.39	0.08	-1.49e-04	4.91e-04	-8.28e-05
583	1	1.36	0.33	0.16	-2.55e-04	7.44e-04	-1.14e-04
583	2	0.82	0.38	0.08	-1.40e-04	4.74e-04	-1.70e-04
584	1	1.39	0.34	0.16	-2.61e-04	7.56e-04	-4.79e-05
584	2	0.86	0.40	0.08	-1.52e-04	4.94e-04	-7.36e-05
585	1	1.44	0.35	0.17	-2.61e-04	7.86e-04	-2.69e-05
585	2	0.94	0.43	0.10	-1.60e-04	5.39e-04	-4.31e-05
586	1	1.48	0.37	0.18	-2.64e-04	8.16e-04	-1.82e-05
586	2	1.01	0.45	0.11	-1.72e-04	5.83e-04	-3.16e-05
587	1	1.52	0.38	0.19	-2.76e-04	8.33e-04	-1.53e-05
587	2	1.08	0.47	0.12	-1.94e-04	6.15e-04	-2.91e-05
588	1	1.55	0.38	0.19	-2.92e-04	8.30e-04	-1.27e-05
588	2	1.14	0.49	0.13	-2.23e-04	6.24e-04	-2.71e-05
589	1	1.58	0.39	0.20	-2.81e-04	8.23e-04	-1.13e-05
589	2	1.20	0.51	0.13	-2.36e-04	6.18e-04	-2.66e-05
590	1	1.07	0.24	0.09	-1.59e-04	7.15e-04	-3.36e-05
590	2	0.44	0.25	0.01	-8.11e-05	3.78e-04	-4.01e-05
591	1	1.59	0.39	0.20	-2.81e-04	8.19e-04	-1.08e-05
591	2	1.22	0.52	0.13	-2.37e-04	6.15e-04	-2.68e-05
592	1	1.12	0.25	0.11	-1.87e-04	6.96e-04	-3.04e-05
592	2	0.50	0.27	0.03	-9.45e-05	3.67e-04	-3.70e-05
593	1	1.18	0.27	0.13	-2.09e-04	6.91e-04	-2.89e-05
593	2	0.58	0.30	0.04	-1.00e-04	3.74e-04	-3.65e-05
594	1	1.24	0.29	0.14	-2.28e-04	7.00e-04	-2.77e-05
594	2	0.65	0.33	0.05	-1.11e-04	3.96e-04	-3.66e-05
595	1	1.30	0.31	0.15	-2.42e-04	7.18e-04	-3.05e-05
595	2	0.73	0.35	0.06	-1.24e-04	4.28e-04	-4.29e-05
596	1	1.41	0.34	0.17	-2.63e-04	7.70e-04	-5.06e-05
596	2	0.90	0.41	0.09	-1.53e-04	5.18e-04	-7.87e-05
597	1	1.46	0.36	0.17	-2.66e-04	8.01e-04	-2.13e-05
597	2	0.97	0.44	0.10	-1.64e-04	5.63e-04	-3.50e-05
598	1	1.50	0.37	0.18	-2.75e-04	8.27e-04	-1.71e-05
598	2	1.04	0.46	0.12	-1.83e-04	6.04e-04	-3.05e-05
599	1	1.37	0.32	0.06	-2.72e-04	7.47e-04	-1.06e-04
599	2	0.84	0.36	0.02	-1.60e-04	4.77e-04	-1.59e-04
600	1	1.38	0.32	0.06	-2.66e-04	7.70e-04	0.0
600	2	0.85	0.37	0.02	-1.65e-04	4.94e-04	0.0
601	1	1.37	0.31	0.06	-2.69e-04	7.39e-04	-1.22e-04

601	2	0.83	0.36	0.02	-1.56e-04	4.68e-04	-1.82e-04
602	1	1.39	0.32	0.06	-2.61e-04	7.54e-04	-6.75e-05
602	2	0.87	0.37	0.02	-1.60e-04	4.90e-04	-1.04e-04
603	1	1.36	0.31	0.06	-2.63e-04	7.33e-04	-1.23e-04
603	2	0.82	0.36	0.02	-1.52e-04	4.61e-04	-1.84e-04
604	1	1.35	0.33	0.16	-2.56e-04	7.39e-04	-1.16e-04
604	2	0.81	0.38	0.08	-1.40e-04	4.66e-04	-1.73e-04
605	1	1.11	0.17	-0.20	-1.23e-04	6.54e-04	-1.17e-04
605	2	0.49	0.17	-0.13	-4.75e-05	3.28e-04	-1.40e-04
606	1	1.17	0.20	-0.17	-1.77e-04	6.26e-04	-6.17e-05
606	2	0.57	0.20	-0.12	-8.48e-05	3.11e-04	-7.61e-05
607	1	1.23	0.22	-0.16	-2.14e-04	6.37e-04	-5.61e-05
607	2	0.65	0.23	-0.11	-1.15e-04	3.27e-04	-7.24e-05
608	1	1.29	0.24	-0.16	-2.37e-04	6.56e-04	-5.33e-05
608	2	0.72	0.25	-0.12	-1.36e-04	3.57e-04	-7.21e-05
609	1	1.37	0.27	-0.17	-2.63e-04	7.09e-04	0.0
609	2	0.83	0.29	-0.12	-1.70e-04	4.19e-04	0.0
610	1	1.34	0.26	-0.17	-2.52e-04	6.75e-04	-5.53e-05
610	2	0.80	0.28	-0.12	-1.53e-04	3.89e-04	-7.93e-05
611	1	1.40	0.28	-0.17	-2.60e-04	7.06e-04	-1.13e-04
611	2	0.88	0.31	-0.13	-1.68e-04	4.35e-04	-1.71e-04
612	1	1.38	0.27	-0.17	-2.82e-04	6.94e-04	-1.28e-04
612	2	0.85	0.30	-0.12	-1.81e-04	4.18e-04	-1.92e-04
613	1	1.41	0.29	-0.17	-2.74e-04	7.31e-04	0.0
613	2	0.90	0.32	-0.13	-1.87e-04	4.57e-04	0.0
614	1	1.46	0.30	-0.17	-2.82e-04	7.55e-04	0.0
614	2	0.98	0.35	-0.14	-2.02e-04	4.98e-04	0.0
615	1	1.50	0.32	-0.18	-2.88e-04	7.87e-04	0.0
615	2	1.05	0.38	-0.14	-2.15e-04	5.45e-04	0.0
616	1	1.54	0.34	-0.18	-2.78e-04	8.14e-04	0.0
616	2	1.11	0.40	-0.15	-2.16e-04	5.83e-04	0.0
617	1	1.56	0.35	-0.17	-2.75e-04	8.23e-04	0.0
617	2	1.17	0.42	-0.15	-2.20e-04	6.01e-04	0.0
618	1	1.59	0.36	-0.16	-2.39e-04	8.21e-04	0.0
618	2	1.23	0.45	-0.14	-2.00e-04	6.04e-04	0.0
619	1	1.09	0.17	-0.21	-1.25e-04	6.59e-04	-1.34e-04
619	2	0.47	0.16	-0.14	-4.91e-05	3.33e-04	-1.60e-04
620	1	1.60	0.36	-0.16	-2.44e-04	7.88e-04	-2.40e-05
620	2	1.24	0.45	-0.14	-2.03e-04	5.77e-04	-6.07e-05
621	1	1.14	0.18	-0.19	-1.52e-04	6.51e-04	0.0
621	2	0.52	0.18	-0.12	-7.01e-05	3.21e-04	0.0
622	1	1.20	0.20	-0.17	-1.97e-04	6.48e-04	0.0
622	2	0.60	0.21	-0.11	-1.04e-04	3.24e-04	0.0
623	1	1.26	0.23	-0.16	-2.28e-04	6.65e-04	0.0
623	2	0.68	0.24	-0.11	-1.31e-04	3.49e-04	0.0
624	1	1.31	0.25	-0.16	-2.48e-04	6.88e-04	0.0
624	2	0.75	0.27	-0.12	-1.50e-04	3.83e-04	0.0
625	1	1.43	0.29	-0.17	-2.86e-04	7.13e-04	-4.59e-05
625	2	0.93	0.33	-0.13	-1.94e-04	4.55e-04	-7.27e-05
626	1	1.48	0.31	-0.18	-2.96e-04	7.40e-04	-4.00e-05
626	2	1.00	0.36	-0.14	-2.11e-04	4.98e-04	-6.62e-05
627	1	1.52	0.33	-0.18	-2.97e-04	7.72e-04	-3.51e-05
627	2	1.07	0.39	-0.15	-2.20e-04	5.43e-04	-6.29e-05
628	1	1.55	0.34	-0.18	-2.83e-04	7.94e-04	-3.08e-05
628	2	1.14	0.41	-0.15	-2.18e-04	5.75e-04	-6.15e-05
629	1	1.58	0.36	-0.17	-2.58e-04	7.92e-04	-2.56e-05
629	2	1.20	0.43	-0.15	-2.04e-04	5.82e-04	-5.75e-05
630	1	1.39	0.28	-0.17	-2.74e-04	6.98e-04	-1.28e-04
630	2	0.86	0.31	-0.13	-1.76e-04	4.24e-04	-1.91e-04
631	1	0.64	0.24	0.04	-9.25e-05	3.22e-04	-7.92e-05
631	2	-0.12	0.30	-0.05	1.61e-05	1.06e-05	-7.32e-05
632	1	1.37	0.27	-0.17	-2.82e-04	6.95e-04	-1.21e-04
632	2	0.84	0.30	-0.12	-1.81e-04	4.14e-04	-1.80e-04
633	1	1.12	0.15	-0.28	-1.22e-04	6.56e-04	-9.69e-05
633	2	0.50	0.15	-0.17	-4.51e-05	3.30e-04	-1.16e-04
634	1	1.18	0.17	-0.26	-1.88e-04	6.32e-04	-3.42e-05
634	2	0.58	0.17	-0.16	-9.28e-05	3.14e-04	-4.21e-05
635	1	1.24	0.20	-0.25	-2.28e-04	6.41e-04	-2.83e-05
635	2	0.66	0.20	-0.16	-1.28e-04	3.29e-04	-3.65e-05
636	1	1.30	0.22	-0.25	-2.52e-04	6.60e-04	-2.70e-05
636	2	0.73	0.23	-0.16	-1.52e-04	3.58e-04	-3.66e-05
637	1	1.37	0.25	-0.26	-2.65e-04	6.96e-04	-5.91e-05

637	2	0.83	0.27	-0.18	-1.73e-04	4.07e-04	-8.75e-05
638	1	1.35	0.24	-0.26	-2.67e-04	6.82e-04	-3.23e-05
638	2	0.81	0.26	-0.17	-1.70e-04	3.92e-04	-4.65e-05
639	1	0.62	0.23	0.04	-8.40e-05	3.07e-04	-1.63e-04
639	2	-0.15	0.29	-0.05	2.74e-05	2.46e-06	-1.49e-04
640	1	0.66	0.25	0.04	-9.62e-05	3.24e-04	-7.02e-05
640	2	-0.11	0.31	-0.05	1.33e-05	1.79e-05	-6.58e-05
641	1	0.73	0.27	0.05	-1.05e-04	3.60e-04	-4.03e-05
641	2	-0.04	0.33	-0.04	4.94e-06	5.03e-05	-3.97e-05
642	1	1.46	0.29	-0.27	-2.84e-04	7.43e-04	-2.24e-05
642	2	0.97	0.32	-0.20	-2.07e-04	4.86e-04	-3.61e-05
643	1	1.50	0.31	-0.28	-2.92e-04	7.73e-04	-1.90e-05
643	2	1.05	0.35	-0.21	-2.20e-04	5.31e-04	-3.25e-05
644	1	1.54	0.32	-0.29	-2.79e-04	8.02e-04	-1.66e-05
644	2	1.11	0.38	-0.22	-2.17e-04	5.71e-04	-3.12e-05
645	1	1.57	0.34	-0.28	-2.74e-04	8.14e-04	-1.41e-05
645	2	1.18	0.40	-0.23	-2.20e-04	5.94e-04	-2.98e-05
646	1	1.59	0.35	-0.27	-2.39e-04	8.16e-04	-1.24e-05
646	2	1.23	0.43	-0.22	-1.97e-04	6.00e-04	-2.97e-05
647	1	1.10	0.14	-0.30	-1.22e-04	6.58e-04	-1.16e-04
647	2	0.48	0.14	-0.18	-4.57e-05	3.32e-04	-1.39e-04
648	1	1.60	0.36	-0.26	-2.41e-04	8.07e-04	-1.21e-05
648	2	1.25	0.43	-0.22	-1.99e-04	5.91e-04	-3.01e-05
649	1	1.15	0.16	-0.27	-1.65e-04	6.43e-04	-5.08e-05
649	2	0.54	0.16	-0.16	-7.78e-05	3.19e-04	-6.13e-05
650	1	1.21	0.19	-0.25	-2.15e-04	6.38e-04	-3.00e-05
650	2	0.62	0.19	-0.16	-1.18e-04	3.20e-04	-3.78e-05
651	1	1.27	0.21	-0.25	-2.45e-04	6.55e-04	-2.74e-05
651	2	0.69	0.22	-0.16	-1.47e-04	3.44e-04	-3.63e-05
652	1	1.32	0.23	-0.25	-2.63e-04	6.77e-04	-2.80e-05
652	2	0.77	0.24	-0.17	-1.66e-04	3.77e-04	-3.92e-05
653	1	1.44	0.28	-0.27	-2.93e-04	7.21e-04	-2.68e-05
653	2	0.94	0.31	-0.19	-2.07e-04	4.59e-04	-4.20e-05
654	1	1.48	0.30	-0.28	-3.06e-04	7.48e-04	-2.01e-05
654	2	1.01	0.33	-0.21	-2.25e-04	5.02e-04	-3.34e-05
655	1	1.52	0.32	-0.29	-3.04e-04	7.80e-04	-1.76e-05
655	2	1.08	0.36	-0.22	-2.31e-04	5.47e-04	-3.15e-05
656	1	1.55	0.33	-0.28	-2.86e-04	8.02e-04	-1.53e-05
656	2	1.14	0.39	-0.22	-2.24e-04	5.80e-04	-3.06e-05
657	1	1.58	0.35	-0.28	-2.60e-04	8.04e-04	-1.29e-05
657	2	1.21	0.42	-0.23	-2.07e-04	5.90e-04	-2.91e-05
658	1	0.79	0.29	0.06	-1.13e-04	3.94e-04	-2.88e-05
658	2	0.02	0.36	-0.03	-3.32e-06	8.30e-05	-3.05e-05
659	1	0.85	0.31	0.07	-1.28e-04	4.19e-04	-2.60e-05
659	2	0.09	0.38	-0.02	-2.11e-05	1.08e-04	-2.94e-05
660	1	0.91	0.33	0.08	-1.63e-04	4.19e-04	-2.29e-05
660	2	0.16	0.40	-0.02	-6.51e-05	1.14e-04	-2.81e-05
661	1	0.96	0.34	0.07	-1.81e-04	4.07e-04	-2.25e-05
661	2	0.22	0.42	-0.03	-1.15e-04	1.01e-04	-2.85e-05
662	1	0.25	0.10	-0.02	-1.67e-05	2.44e-04	-3.86e-05
662	2	-0.44	0.18	-0.07	2.77e-05	-7.59e-05	-2.87e-05
663	1	0.98	0.35	0.06	-1.83e-04	4.03e-04	-2.30e-05
663	2	0.24	0.43	-0.04	-1.18e-04	9.84e-05	-2.92e-05
664	1	0.31	0.13	-8.81e-04	-3.67e-05	2.30e-04	-3.58e-05
664	2	-0.40	0.19	-0.07	3.05e-05	-8.00e-05	-2.67e-05
665	1	0.38	0.15	0.01	-5.80e-05	2.27e-04	-3.51e-05
665	2	-0.34	0.22	-0.07	3.88e-05	-7.57e-05	-2.75e-05
666	1	0.46	0.18	0.02	-7.05e-05	2.42e-04	-3.50e-05
666	2	-0.28	0.24	-0.07	4.05e-05	-5.70e-05	-2.89e-05
667	1	0.53	0.20	0.03	-7.71e-05	2.69e-04	-4.09e-05
667	2	-0.22	0.26	-0.06	3.70e-05	-3.14e-05	-3.58e-05
668	1	0.69	0.26	0.05	-9.62e-05	3.44e-04	-7.47e-05
668	2	-0.08	0.32	-0.04	1.68e-05	3.71e-05	-7.09e-05
669	1	0.76	0.28	0.06	-1.07e-04	3.80e-04	-3.23e-05
669	2	-0.01	0.35	-0.03	8.71e-06	7.03e-05	-3.28e-05
670	1	0.82	0.30	0.07	-1.17e-04	4.11e-04	-2.76e-05
670	2	0.06	0.37	-0.02	-3.00e-06	1.01e-04	-2.99e-05
671	1	0.64	0.21	-1.89e-03	-1.01e-04	3.10e-04	-1.53e-04
671	2	-0.13	0.28	-0.05	1.43e-05	5.40e-06	-1.40e-04
672	1	0.65	0.22	-1.11e-03	-1.05e-04	3.24e-04	0.0
672	2	-0.12	0.28	-0.05	-2.20e-06	5.41e-06	0.0
673	1	0.63	0.21	-2.54e-03	-9.77e-05	3.02e-04	-1.74e-04

673	2	-0.14	0.27	-0.05	1.84e-05	1.51e-06	-1.59e-04
674	1	0.66	0.22	-1.96e-04	-1.04e-04	3.20e-04	-9.91e-05
674	2	-0.10	0.29	-0.05	1.92e-06	1.43e-05	-9.27e-05
675	1	0.61	0.21	-3.19e-03	-9.49e-05	2.95e-04	-1.75e-04
675	2	-0.15	0.27	-0.05	1.89e-05	-3.76e-06	-1.61e-04
676	1	0.61	0.23	0.04	-8.50e-05	3.00e-04	-1.65e-04
676	2	-0.16	0.29	-0.05	2.82e-05	-1.71e-06	-1.51e-04
677	1	0.30	0.03	-0.10	9.80e-06	2.03e-04	-1.35e-04
677	2	-0.40	0.12	-0.04	5.64e-05	-9.79e-05	-1.00e-04
678	1	0.38	0.06	-0.08	-3.84e-05	1.84e-04	-7.35e-05
678	2	-0.35	0.14	-0.03	4.39e-05	-1.08e-04	-5.56e-05
679	1	0.45	0.08	-0.08	-7.17e-05	1.92e-04	-6.93e-05
679	2	-0.29	0.16	-0.03	3.08e-05	-1.02e-04	-5.57e-05
680	1	1.39	0.26	-0.26	-2.80e-04	7.01e-04	-1.23e-04
680	2	0.87	0.28	-0.18	-1.89e-04	4.24e-04	-1.85e-04
681	1	1.40	0.26	-0.26	-2.76e-04	7.09e-04	-1.05e-04
681	2	0.89	0.29	-0.19	-1.87e-04	4.35e-04	-1.58e-04
682	1	1.39	0.26	-0.26	-2.82e-04	6.98e-04	-1.24e-04
682	2	0.86	0.28	-0.18	-1.89e-04	4.18e-04	-1.85e-04
683	1	1.41	0.27	-0.27	-2.73e-04	7.18e-04	-4.99e-05
683	2	0.90	0.29	-0.19	-1.89e-04	4.45e-04	-7.60e-05
684	1	1.38	0.25	-0.26	-2.79e-04	6.97e-04	-1.14e-04
684	2	0.85	0.27	-0.18	-1.87e-04	4.14e-04	-1.70e-04
685	1	0.52	0.11	-0.08	-8.79e-05	2.13e-04	-6.88e-05
685	2	-0.23	0.18	-0.04	2.15e-05	-8.13e-05	-5.83e-05
686	1	0.62	0.15	-0.09	-1.06e-04	2.65e-04	0.0
686	2	-0.14	0.21	-0.04	-1.51e-06	-4.87e-05	0.0
687	1	0.59	0.14	-0.09	-9.60e-05	2.39e-04	-7.56e-05
687	2	-0.17	0.20	-0.04	1.41e-05	-5.50e-05	-6.72e-05
688	1	0.67	0.16	-0.09	-1.14e-04	2.75e-04	-1.64e-04
688	2	-0.10	0.23	-0.05	-1.05e-06	-2.52e-05	-1.51e-04
689	1	0.65	0.16	-0.09	-1.20e-04	2.62e-04	-1.84e-04
689	2	-0.12	0.22	-0.04	-1.29e-06	-3.62e-05	-1.68e-04
690	1	0.69	0.17	-0.10	-1.25e-04	2.95e-04	0.0
690	2	-0.07	0.24	-0.05	-1.74e-05	-2.07e-05	0.0
691	1	0.76	0.20	-0.10	-1.33e-04	3.30e-04	0.0
691	2	-7.33e-03	0.26	-0.05	-2.66e-05	1.24e-05	0.0
692	1	0.83	0.23	-0.11	-1.40e-04	3.65e-04	0.0
692	2	0.06	0.29	-0.06	-3.43e-05	4.61e-05	0.0
693	1	0.89	0.25	-0.11	-1.43e-04	3.94e-04	0.0
693	2	0.13	0.31	-0.06	-4.48e-05	7.18e-05	0.0
694	1	0.93	0.27	-0.11	-1.51e-04	4.04e-04	0.0
694	2	0.18	0.33	-0.07	-6.72e-05	7.91e-05	0.0
695	1	0.98	0.29	-0.11	-1.38e-04	3.95e-04	0.0
695	2	0.25	0.35	-0.08	-8.58e-05	6.56e-05	0.0
696	1	0.28	0.02	-0.11	9.95e-06	2.06e-04	-1.54e-04
696	2	-0.42	0.12	-0.04	5.62e-05	-9.26e-05	-1.14e-04
697	1	1.00	0.29	-0.11	-1.41e-04	3.69e-04	-5.26e-05
697	2	0.26	0.36	-0.09	-8.70e-05	5.37e-05	-6.70e-05
698	1	0.91	-0.44	-0.07	-6.99e-05	5.34e-04	0.0
698	2	-0.74	2.00	-0.01	-2.04e-04	3.57e-05	0.0
699	1	0.98	-0.42	-0.04	-1.10e-04	5.10e-04	0.0
699	2	-0.66	2.03	-0.04	-1.44e-04	6.32e-05	0.0
700	1	1.06	-0.39	-0.03	-1.28e-04	5.08e-04	0.0
700	2	-0.59	2.06	-0.05	-1.30e-04	1.05e-04	0.0
701	1	1.13	-0.37	-0.02	-1.42e-04	5.20e-04	0.0
701	2	-0.51	2.09	-0.06	-1.22e-04	1.48e-04	0.0
702	1	1.20	-0.35	-0.01	-1.56e-04	5.41e-04	0.0
702	2	-0.44	2.12	-0.06	-1.28e-04	1.87e-04	0.0
703	1	1.50	-0.22	0.10	-1.94e-04	6.32e-04	-2.89e-05
703	2	-0.07	2.28	-0.02	-1.59e-04	3.49e-04	-3.85e-05
704	1	1.57	-0.19	0.11	-1.93e-04	6.47e-04	-2.92e-05
704	2	0.02	2.31	-0.05	-2.27e-04	3.47e-04	-3.96e-05
705	1	1.25	-0.31	0.06	-1.66e-04	5.48e-04	-1.29e-04
705	2	-0.38	2.17	-0.02	-5.73e-05	2.30e-04	-1.47e-04
706	1	1.33	-0.30	-2.78e-03	-1.79e-04	5.91e-04	0.0
706	2	-0.28	2.17	-0.05	-1.47e-04	2.55e-04	0.0
707	1	1.40	-0.28	1.70e-03	-1.82e-04	6.18e-04	0.0
707	2	-0.20	2.20	-0.05	-1.73e-04	2.81e-04	0.0
708	1	1.47	-0.26	9.34e-03	-1.80e-04	6.40e-04	0.0
708	2	-0.12	2.23	-0.05	-2.13e-04	3.06e-04	0.0
709	1	1.53	-0.23	0.02	-1.80e-04	6.53e-04	0.0

709	2	-0.03	2.26	-0.07	-2.71e-04	3.25e-04	0.0
710	1	1.60	-0.21	0.03	-1.72e-04	6.75e-04	0.0
710	2	0.06	2.29	-0.11	-3.47e-04	3.10e-04	0.0
711	1	0.88	-0.45	-0.09	-6.73e-05	5.28e-04	-8.14e-05
711	2	-0.77	1.99	7.23e-03	-1.68e-04	7.36e-05	-7.95e-05
712	1	1.63	-0.20	0.04	-1.84e-04	6.43e-04	-6.00e-05
712	2	0.11	2.31	-0.15	-3.19e-04	2.79e-04	-8.39e-05
713	1	0.94	-0.43	-0.06	-1.14e-04	4.96e-04	-7.26e-05
713	2	-0.71	2.01	-0.03	-1.01e-04	7.03e-05	-7.29e-05
714	1	1.02	-0.41	-0.04	-1.37e-04	4.82e-04	-7.04e-05
714	2	-0.63	2.04	-0.05	-7.13e-05	1.03e-04	-7.24e-05
715	1	1.09	-0.39	-0.02	-1.52e-04	4.85e-04	-6.81e-05
715	2	-0.56	2.07	-0.06	-6.04e-05	1.44e-04	-7.23e-05
716	1	1.16	-0.36	-0.02	-1.65e-04	5.00e-04	-6.97e-05
716	2	-0.48	2.10	-0.06	-5.61e-05	1.83e-04	-7.67e-05
717	1	1.32	-0.31	-4.45e-03	-1.98e-04	5.58e-04	-9.68e-05
717	2	-0.31	2.17	-0.05	-6.83e-05	2.70e-04	-1.14e-04
718	1	1.38	-0.29	-5.11e-04	-2.03e-04	5.83e-04	-5.99e-05
718	2	-0.23	2.19	-0.05	-8.93e-05	2.94e-04	-7.39e-05
719	1	1.45	-0.26	6.14e-03	-2.02e-04	6.06e-04	-5.77e-05
719	2	-0.14	2.22	-0.05	-1.27e-04	6.18e-04	-7.44e-05
720	1	1.51	-0.24	0.02	-2.00e-04	6.21e-04	-5.78e-05
720	2	-0.06	2.25	-0.06	-1.74e-04	3.37e-04	-7.70e-05
721	1	1.58	-0.22	0.03	-2.00e-04	6.37e-04	-5.82e-05
721	2	0.03	2.28	-0.10	-2.33e-04	3.44e-04	-7.91e-05
722	1	0.89	-0.42	-7.43e-03	-7.93e-05	5.25e-04	-3.86e-05
722	2	-0.75	2.02	4.89e-03	-1.72e-04	4.73e-05	-3.81e-05
723	1	0.97	-0.40	0.02	-1.20e-04	5.00e-04	-3.58e-05
723	2	-0.68	2.05	-0.03	-1.01e-04	7.70e-05	-3.64e-05
724	1	1.04	-0.37	0.03	-1.33e-04	4.97e-04	-3.47e-05
724	2	-0.60	2.08	-0.04	-7.94e-05	1.18e-04	-3.63e-05
725	1	1.12	-0.35	0.05	-1.44e-04	5.08e-04	-3.52e-05
725	2	-0.53	2.11	-0.04	-7.04e-05	1.60e-04	-3.81e-05
726	1	1.21	-0.32	0.06	-1.75e-04	5.23e-04	-1.09e-04
726	2	-0.43	2.15	-0.03	-5.84e-05	2.15e-04	-1.24e-04
727	1	1.19	-0.33	0.06	-1.60e-04	5.26e-04	-6.04e-05
727	2	-0.45	2.14	-0.03	-7.00e-05	2.01e-04	-6.81e-05
728	1	1.26	-0.30	0.07	-1.74e-04	5.56e-04	-7.52e-05
728	2	-0.37	2.17	-0.02	-7.48e-05	2.37e-04	-8.60e-05
729	1	1.24	-0.31	0.06	-1.71e-04	5.40e-04	-1.54e-04
729	2	-0.40	2.16	-0.03	-4.28e-05	2.32e-04	-1.76e-04
730	1	1.28	-0.30	0.07	-1.83e-04	5.49e-04	-6.69e-05
730	2	-0.35	2.18	-0.02	-6.85e-05	2.54e-04	-7.74e-05
731	1	1.34	-0.28	0.08	-1.91e-04	5.80e-04	-3.92e-05
731	2	-0.27	2.21	-0.01	-8.57e-05	2.79e-04	-4.72e-05
732	1	1.41	-0.25	0.08	-1.94e-04	6.05e-04	-2.95e-05
732	2	-0.19	2.24	-7.37e-03	-1.15e-04	3.05e-04	-3.74e-05
733	1	1.47	-0.23	0.09	-1.93e-04	6.24e-04	-2.89e-05
733	2	-0.11	2.26	-0.01	-1.58e-04	3.28e-04	-3.81e-05
734	1	1.54	-0.21	0.11	-1.95e-04	6.38e-04	-2.91e-05
734	2	-0.02	2.29	-0.03	-2.22e-04	3.40e-04	-3.92e-05
735	1	1.60	-0.18	0.12	-1.84e-04	6.54e-04	-2.95e-05
735	2	0.07	2.33	-0.08	-3.32e-04	2.99e-04	-4.07e-05
736	1	0.87	-0.43	-0.02	-7.03e-05	5.31e-04	-4.00e-05
736	2	-0.77	2.02	0.02	-1.61e-04	4.80e-05	-3.92e-05
737	1	1.62	-0.17	0.13	-1.92e-04	6.49e-04	-2.98e-05
737	2	0.10	2.34	-0.10	-3.29e-04	2.99e-04	-4.15e-05
738	1	0.93	-0.41	6.91e-03	-1.25e-04	4.99e-04	-3.66e-05
738	2	-0.71	2.04	-0.02	-8.39e-05	7.53e-05	-3.67e-05
739	1	1.01	-0.38	0.03	-1.44e-04	4.87e-04	-3.52e-05
739	2	-0.64	2.07	-0.03	-4.57e-05	1.10e-04	-3.63e-05
740	1	1.08	-0.36	0.04	-1.56e-04	4.92e-04	-3.44e-05
740	2	-0.56	2.10	-0.04	-3.35e-05	1.52e-04	-3.65e-05
741	1	1.15	-0.34	0.05	-1.67e-04	5.08e-04	-3.93e-05
741	2	-0.49	2.13	-0.04	-2.90e-05	1.92e-04	-4.34e-05
742	1	1.31	-0.29	0.07	-1.83e-04	5.68e-04	-7.14e-05
742	2	-0.31	2.19	-0.02	-5.59e-05	2.74e-04	-8.34e-05
743	1	1.37	-0.27	0.08	-1.93e-04	5.95e-04	-3.19e-05
743	2	-0.24	2.22	-6.88e-03	-7.53e-05	3.02e-04	-3.93e-05
744	1	1.44	-0.24	0.09	-1.94e-04	6.17e-04	-2.90e-05
744	2	-0.15	2.25	-5.40e-03	-1.11e-04	3.28e-04	-3.74e-05
745	1	1.26	-0.33	-8.38e-03	-1.82e-04	5.44e-04	-1.45e-04

745	2	-0.38	2.14	-0.05	-6.96e-05	2.36e-04	-1.65e-04
746	1	1.27	-0.33	-6.80e-03	-1.65e-04	5.69e-04	0.0
746	2	-0.36	2.14	-0.05	-1.43e-04	2.18e-04	0.0
747	1	1.25	-0.33	-9.00e-03	-1.86e-04	5.32e-04	-1.65e-04
747	2	-0.39	2.14	-0.06	-5.13e-05	2.36e-04	-1.88e-04
748	1	1.28	-0.32	-5.19e-03	-1.87e-04	5.48e-04	-9.44e-05
748	2	-0.34	2.15	-0.06	-7.48e-05	2.43e-04	-1.09e-04
749	1	1.24	-0.34	-9.37e-03	-1.85e-04	5.25e-04	-1.66e-04
749	2	-0.40	2.13	-0.06	-4.80e-05	2.29e-04	-1.90e-04
750	1	1.23	-0.32	0.06	-1.76e-04	5.32e-04	-1.57e-04
750	2	-0.41	2.16	-0.03	-3.87e-05	2.30e-04	-1.78e-04
751	1	0.92	-0.51	-0.21	-2.25e-05	4.35e-04	-1.40e-04
751	2	-0.72	1.94	-0.03	-1.03e-04	1.25e-05	-1.37e-04
752	1	1.00	-0.48	-0.18	-8.25e-05	3.86e-04	-7.45e-05
752	2	-0.65	1.97	-0.07	-7.91e-05	4.17e-05	-7.56e-05
753	1	1.07	-0.45	-0.17	-1.17e-04	3.90e-04	-6.88e-05
753	2	-0.57	2.00	-0.09	-6.27e-05	6.52e-05	-7.19e-05
754	1	1.15	-0.43	-0.16	-1.41e-04	4.07e-04	-6.69e-05
754	2	-0.50	2.03	-0.10	-5.30e-05	9.33e-05	-7.23e-05
755	1	1.24	-0.40	-0.16	-1.49e-04	4.65e-04	0.0
755	2	-0.39	2.07	-0.11	-1.32e-04	1.12e-04	0.0
756	1	1.22	-0.41	-0.16	-1.60e-04	4.26e-04	-7.22e-05
756	2	-0.42	2.06	-0.11	-4.77e-05	1.25e-04	-8.06e-05
757	1	1.29	-0.38	-0.17	-1.75e-04	4.61e-04	-1.55e-04
757	2	-0.34	2.09	-0.12	-4.79e-05	1.62e-04	-1.77e-04
758	1	1.27	-0.39	-0.16	-1.92e-04	4.46e-04	-1.74e-04
758	2	-0.36	2.08	-0.12	-6.20e-05	1.50e-04	-1.98e-04
759	1	1.31	-0.37	-0.17	-1.69e-04	4.91e-04	0.0
759	2	-0.31	2.09	-0.12	-1.38e-04	1.47e-04	0.0
760	1	1.38	-0.35	-0.17	-1.76e-04	5.19e-04	0.0
760	2	-0.23	2.12	-0.12	-1.47e-04	1.78e-04	0.0
761	1	1.44	-0.32	-0.17	-1.74e-04	5.49e-04	0.0
761	2	-0.15	2.15	-0.13	-1.75e-04	1.97e-04	0.0
762	1	1.51	-0.30	-0.17	-1.66e-04	5.76e-04	0.0
762	2	-0.06	2.17	-0.15	-2.01e-04	2.00e-04	0.0
763	1	1.56	-0.28	-0.16	-1.73e-04	5.94e-04	0.0
763	2	0.01	2.19	-0.18	-2.44e-04	1.97e-04	0.0
764	1	1.63	-0.26	-0.15	-1.31e-04	6.14e-04	0.0
764	2	0.11	2.22	-0.22	-3.10e-04	1.76e-04	0.0
765	1	0.90	-0.51	-0.23	-2.54e-05	4.42e-04	-1.59e-04
765	2	-0.74	1.93	-0.02	-1.02e-04	1.97e-05	-1.56e-04
766	1	1.65	-0.25	-0.14	-1.45e-04	5.77e-04	-6.79e-05
766	2	0.13	2.23	-0.25	-2.95e-04	1.71e-04	-9.50e-05
767	1	0.96	-0.49	-0.19	-3.63e-05	4.20e-04	0.0
767	2	-0.69	1.95	-0.05	-1.58e-04	-1.63e-06	0.0
768	1	1.03	-0.47	-0.17	-8.28e-05	4.03e-04	0.0
768	2	-0.61	1.98	-0.08	-1.36e-04	2.67e-05	0.0
769	1	1.10	-0.44	-0.16	-1.12e-04	4.17e-04	0.0
769	2	-0.54	2.01	-0.09	-1.23e-04	5.29e-05	0.0
770	1	1.18	-0.42	-0.16	-1.33e-04	4.40e-04	0.0
770	2	-0.46	2.04	-0.11	-1.17e-04	8.42e-05	0.0
771	1	1.34	-0.36	-0.17	-2.02e-04	4.71e-04	-6.59e-05
771	2	-0.28	2.10	-0.12	-7.48e-05	1.80e-04	-7.80e-05
772	1	1.40	-0.34	-0.17	-2.05e-04	5.00e-04	-6.03e-05
772	2	-0.20	2.13	-0.13	-9.21e-05	2.07e-04	-7.48e-05
773	1	1.47	-0.32	-0.17	-2.01e-04	5.27e-04	-5.98e-05
773	2	-0.12	2.16	-0.14	-1.21e-04	2.19e-04	-7.73e-05
774	1	1.53	-0.29	-0.17	-1.92e-04	5.53e-04	-6.32e-05
774	2	-0.03	2.18	-0.16	-1.55e-04	2.15e-04	-8.43e-05
775	1	1.60	-0.27	-0.16	-1.79e-04	5.67e-04	-6.37e-05
775	2	0.06	2.21	-0.20	-1.87e-04	2.04e-04	-8.66e-05
776	1	1.28	-0.38	-0.17	-1.88e-04	4.50e-04	-1.74e-04
776	2	-0.35	2.08	-0.12	-5.06e-05	1.58e-04	-1.98e-04
777	1	1.26	-0.39	-0.16	-1.86e-04	4.47e-04	-1.63e-04
777	2	-0.38	2.07	-0.12	-8.18e-05	1.37e-04	-1.86e-04
778	1	0.93	-0.53	-0.26	-1.64e-05	4.34e-04	-1.15e-04
778	2	-0.71	1.91	-0.04	-9.70e-05	2.15e-05	-1.13e-04
779	1	1.01	-0.50	-0.23	-9.21e-05	3.90e-04	-4.12e-05
779	2	-0.64	1.94	-0.07	-7.15e-05	4.52e-05	-4.16e-05
780	1	1.08	-0.48	-0.22	-1.33e-04	3.91e-04	-3.47e-05
780	2	-0.56	1.97	-0.10	-5.61e-05	6.95e-05	-3.63e-05
781	1	1.15	-0.45	-0.22	-1.59e-04	4.08e-04	-3.40e-05

781	2	-0.49	2.00	-0.12	-4.86e-05	9.68e-05	-3.67e-05
782	1	1.24	-0.42	-0.22	-1.69e-04	4.49e-04	-7.93e-05
782	2	-0.39	2.04	-0.13	-7.87e-05	1.23e-04	-9.02e-05
783	1	1.22	-0.43	-0.22	-1.77e-04	4.31e-04	-4.23e-05
783	2	-0.41	2.03	-0.13	-5.13e-05	1.29e-04	-4.74e-05
784	1	0.33	0.04	-0.09	-1.21e-05	1.95e-04	0.0
784	2	-0.38	0.13	-0.03	4.50e-05	-1.15e-04	0.0
785	1	0.41	0.07	-0.08	-5.65e-05	1.92e-04	0.0
785	2	-0.32	0.15	-0.03	3.11e-05	-1.17e-04	0.0
786	1	0.48	0.09	-0.08	-8.20e-05	2.08e-04	0.0
786	2	-0.26	0.17	-0.04	1.96e-05	-1.02e-04	0.0
787	1	1.38	-0.37	-0.24	-1.92e-04	5.03e-04	-3.28e-05
787	2	-0.23	2.09	-0.15	-1.04e-04	1.88e-04	-3.95e-05
788	1	1.44	-0.35	-0.24	-1.90e-04	5.33e-04	-3.01e-05
788	2	-0.15	2.12	-0.16	-1.25e-04	2.09e-04	-3.80e-05
789	1	1.51	-0.33	-0.25	-1.82e-04	5.60e-04	-3.06e-05
789	2	-0.06	2.14	-0.18	-1.46e-04	2.16e-04	-4.02e-05
790	1	1.57	-0.30	-0.24	-1.88e-04	5.81e-04	-3.17e-05
790	2	0.03	2.17	-0.21	-2.08e-04	2.05e-04	-4.28e-05
791	1	1.64	-0.28	-0.23	-1.44e-04	6.02e-04	-3.30e-05
791	2	0.12	2.20	-0.26	-2.70e-04	1.83e-04	-4.56e-05
792	1	0.91	-0.54	-0.28	-1.84e-05	4.37e-04	-1.38e-04
792	2	-0.74	1.91	-0.03	-9.86e-05	2.25e-05	-1.35e-04
793	1	1.66	-0.27	-0.22	-1.45e-04	5.97e-04	-3.36e-05
793	2	0.14	2.21	-0.28	-2.81e-04	1.67e-04	-4.69e-05
794	1	0.97	-0.52	-0.24	-5.64e-05	4.11e-04	-6.08e-05
794	2	-0.67	1.93	-0.06	-1.27e-04	1.77e-05	-6.03e-05
795	1	1.05	-0.49	-0.22	-1.10e-04	3.93e-04	-3.65e-05
795	2	-0.60	1.96	-0.09	-1.07e-04	4.44e-05	-3.75e-05
796	1	1.12	-0.46	-0.22	-1.40e-04	4.05e-04	-3.41e-05
796	2	-0.52	1.99	-0.11	-9.69e-05	6.96e-05	-3.62e-05
797	1	1.19	-0.44	-0.22	-1.60e-04	4.27e-04	-3.60e-05
797	2	-0.45	2.02	-0.12	-9.42e-05	9.88e-05	-3.96e-05
798	1	1.34	-0.38	-0.23	-2.14e-04	4.76e-04	-3.81e-05
798	2	-0.27	2.08	-0.15	-7.50e-05	1.84e-04	-4.49e-05
799	1	1.41	-0.36	-0.24	-2.16e-04	5.06e-04	-3.05e-05
799	2	-0.19	2.10	-0.16	-9.09e-05	2.10e-04	-3.78e-05
800	1	1.47	-0.34	-0.25	-2.11e-04	5.35e-04	-3.01e-05
800	2	-0.11	2.13	-0.17	-1.15e-04	2.23e-04	-3.89e-05
801	1	1.54	-0.31	-0.24	-2.03e-04	5.59e-04	-3.15e-05
801	2	-0.02	2.15	-0.19	-1.47e-04	2.23e-04	-4.20e-05
802	1	1.61	-0.29	-0.24	-1.90e-04	5.75e-04	-3.20e-05
802	2	0.07	2.18	-0.23	-1.75e-04	2.12e-04	-4.36e-05
803	1	0.55	0.12	-0.09	-9.43e-05	2.34e-04	0.0
803	2	-0.20	0.19	-0.04	1.09e-05	-7.70e-05	0.0
804	1	0.72	0.18	-0.10	-1.32e-04	2.93e-04	-6.86e-05
804	2	-0.05	0.25	-0.05	-1.50e-05	-6.17e-06	-6.65e-05
805	1	0.79	0.21	-0.10	-1.40e-04	3.28e-04	-6.08e-05
805	2	0.02	0.27	-0.05	-2.29e-05	2.69e-05	-6.24e-05
806	1	0.85	0.23	-0.11	-1.46e-04	3.61e-04	-5.69e-05
806	2	0.08	0.29	-0.06	-3.12e-05	5.75e-05	-6.19e-05
807	1	0.91	0.26	-0.11	-1.48e-04	3.85e-04	-5.43e-05
807	2	0.15	0.32	-0.06	-4.58e-05	7.65e-05	-6.33e-05
808	1	0.96	0.28	-0.11	-1.41e-04	3.81e-04	-4.73e-05
808	2	0.21	0.34	-0.07	-6.53e-05	7.22e-05	-6.01e-05
809	1	0.66	0.16	-0.09	-1.18e-04	2.67e-04	-1.83e-04
809	2	-0.11	0.22	-0.04	0.0	-3.10e-05	-1.68e-04
810	1	0.64	0.15	-0.09	-1.18e-04	2.60e-04	-1.73e-04
810	2	-0.13	0.22	-0.04	-1.08e-06	-4.18e-05	-1.58e-04
811	1	0.31	5.14e-03	-0.13	1.11e-05	2.04e-04	-1.12e-04
811	2	-0.40	0.10	-0.02	6.32e-05	-9.63e-05	-8.28e-05
812	1	0.39	0.03	-0.11	-4.47e-05	1.86e-04	-4.06e-05
812	2	-0.34	0.12	-0.02	4.49e-05	-1.08e-04	-3.07e-05
813	1	0.46	0.06	-0.11	-8.20e-05	1.93e-04	-3.49e-05
813	2	-0.28	0.14	-0.02	2.72e-05	-1.03e-04	-2.81e-05
814	1	0.53	0.09	-0.11	-1.00e-04	2.14e-04	-3.49e-05
814	2	-0.22	0.16	-0.03	1.52e-05	-8.32e-05	-2.96e-05
815	1	0.62	0.12	-0.12	-1.12e-04	2.55e-04	-8.37e-05
815	2	-0.14	0.19	-0.04	0.0	-5.03e-05	-7.62e-05
816	1	0.60	0.11	-0.12	-1.10e-04	2.42e-04	-4.44e-05
816	2	-0.16	0.18	-0.03	4.98e-06	-5.73e-05	-3.96e-05
817	1	0.66	0.14	-0.13	-1.28e-04	2.67e-04	-1.77e-04

817	2	-0.10	0.20	-0.04	-1.12e-05	-3.33e-05	-1.62e-04
818	1	0.68	0.14	-0.13	-1.29e-04	2.75e-04	-1.52e-04
818	2	-0.09	0.21	-0.04	-1.16e-05	-2.64e-05	-1.40e-04
819	1	0.65	0.13	-0.13	-1.27e-04	2.63e-04	-1.77e-04
819	2	-0.11	0.20	-0.04	-1.19e-05	-3.85e-05	-1.63e-04
820	1	0.76	0.17	-0.14	-1.40e-04	3.19e-04	-3.37e-05
820	2	-8.81e-03	0.24	-0.05	-2.89e-05	9.03e-06	-3.34e-05
821	1	0.83	0.20	-0.15	-1.46e-04	3.54e-04	-2.96e-05
821	2	0.06	0.26	-0.06	-3.52e-05	4.22e-05	-3.12e-05
822	1	0.89	0.23	-0.16	-1.45e-04	3.84e-04	-2.79e-05
822	2	0.13	0.29	-0.07	-4.14e-05	6.91e-05	-3.12e-05
823	1	0.94	0.25	-0.16	-1.49e-04	3.98e-04	-2.54e-05
823	2	0.19	0.31	-0.08	-6.33e-05	7.78e-05	-3.09e-05
824	1	0.99	0.27	-0.16	-1.36e-04	3.92e-04	-2.52e-05
824	2	0.25	0.33	-0.09	-7.88e-05	6.78e-05	-3.20e-05
825	1	1.28	-0.41	-0.23	-1.95e-04	4.52e-04	-1.67e-04
825	2	-0.34	2.05	-0.14	-6.41e-05	1.56e-04	-1.91e-04
826	1	1.30	-0.40	-0.23	-1.90e-04	4.61e-04	-1.44e-04
826	2	-0.33	2.06	-0.14	-6.44e-05	1.65e-04	-1.64e-04
827	1	1.27	-0.41	-0.22	-1.94e-04	4.49e-04	-1.68e-04
827	2	-0.36	2.05	-0.14	-7.54e-05	1.46e-04	-1.91e-04
828	1	1.31	-0.40	-0.23	-1.83e-04	4.75e-04	-6.90e-05
828	2	-0.31	2.07	-0.14	-8.66e-05	1.58e-04	-7.93e-05
829	1	1.26	-0.41	-0.22	-1.86e-04	4.49e-04	-1.54e-04
829	2	-0.37	2.05	-0.14	-9.17e-05	1.36e-04	-1.76e-04
830	1	0.29	-2.91e-03	-0.14	1.19e-05	2.05e-04	-1.34e-04
830	2	-0.41	0.10	-0.02	6.08e-05	-9.45e-05	-9.91e-05
831	1	1.00	0.28	-0.16	-1.38e-04	3.84e-04	-2.59e-05
831	2	0.27	0.34	-0.10	-8.38e-05	6.10e-05	-3.30e-05
832	1	0.35	0.02	-0.11	-2.14e-05	1.93e-04	-5.91e-05
832	2	-0.37	0.11	-0.02	4.64e-05	-1.08e-04	-4.42e-05
833	1	0.42	0.05	-0.11	-6.91e-05	1.88e-04	-3.63e-05
833	2	-0.31	0.13	-0.02	2.78e-05	-1.11e-04	-2.83e-05
834	1	0.49	0.07	-0.11	-9.52e-05	2.04e-04	-3.47e-05
834	2	-0.25	0.15	-0.02	1.34e-05	-9.70e-05	-2.86e-05
835	1	0.57	0.10	-0.12	-1.07e-04	2.30e-04	-3.74e-05
835	2	-0.19	0.17	-0.03	3.24e-06	-7.33e-05	-3.26e-05
836	1	0.73	0.16	-0.14	-1.43e-04	2.96e-04	-3.97e-05
836	2	-0.04	0.22	-0.05	-2.49e-05	-7.63e-06	-3.82e-05
837	1	0.79	0.19	-0.15	-1.51e-04	3.32e-04	-3.07e-05
837	2	0.02	0.25	-0.06	-3.28e-05	2.55e-05	-3.15e-05
838	1	0.86	0.21	-0.16	-1.55e-04	3.66e-04	-2.85e-05
838	2	0.09	0.27	-0.07	-3.88e-05	5.66e-05	-3.10e-05
839	1	0.91	0.24	-0.16	-1.52e-04	3.89e-04	-2.69e-05
839	2	0.16	0.30	-0.07	-4.93e-05	7.64e-05	-3.14e-05
840	1	0.96	0.26	-0.16	-1.42e-04	3.89e-04	-2.42e-05
840	2	0.22	0.32	-0.08	-6.29e-05	7.49e-05	-3.05e-05
841	1	0.69	0.15	-0.13	-1.30e-04	2.84e-04	-7.25e-05
841	2	-0.08	0.21	-0.04	-1.68e-05	-2.24e-05	-6.76e-05
842	1	0.64	0.13	-0.13	-1.23e-04	2.60e-04	-1.63e-04
842	2	-0.12	0.20	-0.04	-1.17e-05	-4.32e-05	-1.49e-04
843	1	0.28	0.09	-0.04	-2.41e-05	2.43e-04	0.0
843	2	-0.42	0.17	-0.06	1.86e-05	-8.29e-05	0.0
844	1	0.36	0.12	-0.02	-5.08e-05	2.30e-04	0.0
844	2	-0.36	0.19	-0.06	2.47e-05	-8.68e-05	0.0
845	1	0.43	0.14	-0.01	-7.31e-05	2.39e-04	0.0
845	2	-0.30	0.21	-0.06	2.45e-05	-7.36e-05	0.0
846	1	0.51	0.17	-9.92e-03	-8.41e-05	2.62e-04	0.0
846	2	-0.24	0.23	-0.06	2.01e-05	-4.96e-05	0.0
847	1	0.58	0.19	-5.66e-03	-9.22e-05	2.92e-04	0.0
847	2	-0.18	0.26	-0.05	1.29e-05	-2.17e-05	0.0
848	1	0.88	0.32	0.08	-1.40e-04	4.25e-04	-2.50e-05
848	2	0.12	0.39	-0.01	-3.19e-05	1.18e-04	-2.90e-05
849	1	0.94	0.34	0.07	-1.73e-04	4.16e-04	-2.20e-05
849	2	0.19	0.41	-0.02	-8.14e-05	1.14e-04	-2.77e-05
850	1	0.63	0.24	0.04	-8.44e-05	3.13e-04	-1.36e-04
850	2	-0.14	0.30	-0.05	2.37e-05	5.49e-06	-1.25e-04
851	1	0.72	0.24	3.24e-03	-1.15e-04	3.57e-04	0.0
851	2	-0.05	0.30	-0.04	-1.07e-05	4.01e-05	0.0
852	1	0.78	0.27	8.79e-03	-1.23e-04	3.92e-04	0.0
852	2	0.02	0.33	-0.04	-1.84e-05	7.39e-05	0.0
853	1	0.85	0.29	0.02	-1.33e-04	4.23e-04	0.0

853	2	0.08	0.35	-0.03	-3.17e-05	1.03e-04	0.0
854	1	0.91	0.31	0.02	-1.58e-04	4.30e-04	0.0
854	2	0.15	0.38	-0.03	-6.57e-05	1.15e-04	0.0
855	1	0.96	0.32	0.01	-1.78e-04	4.23e-04	0.0
855	2	0.21	0.40	-0.04	-1.11e-04	1.09e-04	0.0
856	1	0.26	0.08	-0.05	-1.63e-05	2.48e-04	-7.85e-05
856	2	-0.44	0.16	-0.06	2.77e-05	-6.42e-05	-5.82e-05
857	1	0.98	0.33	8.85e-03	-1.73e-04	3.94e-04	-4.65e-05
857	2	0.25	0.41	-0.06	-1.14e-04	9.42e-05	-5.92e-05
858	1	0.32	0.10	-0.03	-3.40e-05	2.27e-04	-7.11e-05
858	2	-0.39	0.18	-0.06	2.84e-05	-7.77e-05	-5.28e-05
859	1	0.39	0.13	-0.02	-6.05e-05	2.22e-04	-7.00e-05
859	2	-0.34	0.20	-0.06	3.22e-05	-7.58e-05	-5.48e-05
860	1	0.47	0.15	-0.01	-7.63e-05	2.37e-04	-6.94e-05
860	2	-0.28	0.22	-0.06	3.03e-05	-5.83e-05	-5.72e-05
861	1	0.54	0.18	-8.29e-03	-8.41e-05	2.62e-04	-7.25e-05
861	2	-0.22	0.24	-0.06	2.52e-05	-3.31e-05	-6.31e-05
862	1	0.70	0.24	1.85e-03	-1.11e-04	3.37e-04	-1.01e-04
862	2	-0.07	0.30	-0.05	4.72e-06	3.40e-05	-9.66e-05
863	1	0.77	0.26	6.96e-03	-1.20e-04	3.70e-04	-6.06e-05
863	2	-2.42e-03	0.32	-0.04	-2.94e-06	6.68e-05	-6.18e-05
864	1	0.83	0.28	0.01	-1.29e-04	4.02e-04	-5.51e-05
864	2	0.07	0.35	-0.03	-1.40e-05	9.73e-05	-5.97e-05
865	1	0.89	0.30	0.02	-1.47e-04	4.18e-04	-5.02e-05
865	2	0.13	0.37	-0.03	-3.98e-05	1.15e-04	-5.82e-05
866	1	0.94	0.32	0.02	-1.76e-04	4.10e-04	-4.33e-05
866	2	0.20	0.39	-0.04	-8.57e-05	1.12e-04	-5.49e-05
867	1	0.67	0.20	-0.05	1.69e-03	9.47e-04	-2.12e-04
867	2	-0.14	0.24	-0.05	-2.68e-03	-1.01e-03	-1.95e-04
868	1	0.70	0.21	-0.05	6.33e-04	5.78e-04	-2.25e-04
868	2	-0.12	0.25	-0.05	-1.02e-03	-3.91e-04	-1.95e-04
869	1	2.12	0.03	-3.45	-2.53e-03	9.75e-04	-9.31e-05
869	2	0.58	2.86	-3.60	-2.61e-03	1.09e-03	-2.31e-04
870	1	2.09	5.39e-03	-3.36	-2.38e-03	-5.46e-05	-9.95e-05
870	2	0.53	2.80	-3.54	-2.47e-03	5.27e-05	-2.44e-04
871	1	2.05	-0.02	-2.98	-2.13e-03	-1.07e-03	-1.09e-04
871	2	0.49	2.73	-3.18	-2.24e-03	-9.77e-04	-2.62e-04
872	1	2.02	-0.05	-2.33	-1.76e-03	-1.98e-03	-1.24e-04
872	2	0.44	2.65	-2.55	-1.88e-03	-1.91e-03	-2.90e-04
873	1	1.99	-0.09	-1.47	-1.25e-03	-2.56e-03	-1.53e-04
873	2	0.40	2.56	-1.70	-1.41e-03	-2.51e-03	-3.27e-04
874	1	1.95	-0.20	-0.80	-7.52e-04	3.44e-03	-1.68e-04
874	2	0.30	2.33	-0.98	-9.74e-04	3.59e-03	-2.89e-04
875	1	1.93	-0.25	-1.74	-1.48e-03	3.40e-03	-1.75e-04
875	2	0.25	2.26	-1.94	-1.68e-03	3.54e-03	-2.37e-04
876	1	1.91	-0.30	-2.48	-2.03e-03	2.75e-03	-1.78e-04
876	2	0.21	2.20	-2.71	-2.24e-03	2.85e-03	-2.16e-04
877	1	1.07	-0.45	-0.16	7.73e-04	8.06e-04	-2.16e-04
877	2	-0.74	2.01	-0.02	8.79e-04	4.39e-04	-2.24e-04
878	1	1.88	-0.35	-2.97	-2.20e-03	1.93e-03	-1.79e-04
878	2	0.16	2.15	-3.21	-2.43e-03	1.98e-03	-1.97e-04
879	1	1.84	-0.39	-3.21	-2.18e-03	9.97e-04	-1.78e-04
879	2	0.10	2.10	-3.43	-2.41e-03	1.00e-03	-1.84e-04
880	1	1.79	-0.43	-3.17	-2.05e-03	-3.03e-06	-1.79e-04
880	2	0.05	2.06	-3.37	-2.27e-03	-3.61e-05	-1.75e-04
881	1	1.75	-0.48	-2.84	-1.82e-03	-1.01e-03	-1.85e-04
881	2	-3.22e-03	2.02	-3.02	-2.02e-03	-1.08e-03	-1.74e-04
882	1	1.05	-0.47	-0.22	-2.38e-05	5.37e-04	-2.20e-04
882	2	-0.75	1.98	-0.06	9.87e-06	1.99e-04	-2.37e-04
883	1	1.06	-0.44	-0.15	-2.40e-05	5.17e-04	-2.20e-04
883	2	-0.75	2.01	-0.03	3.30e-06	1.64e-04	-2.37e-04
884	1	1.71	-0.53	-2.26	-1.51e-03	-1.96e-03	-1.95e-04
884	2	-0.05	1.98	-2.39	-1.67e-03	-2.05e-03	-1.77e-04
885	1	1.68	-0.58	-1.44	-1.11e-03	-2.28e-03	-2.28e-04
885	2	-0.09	1.93	-1.54	-1.24e-03	-2.86e-03	-2.07e-04
886	1	1.52	-0.01	-1.07	-3.97e-04	3.09e-03	2.79e-05
886	2	-0.36	2.74	-0.98	-4.16e-04	2.85e-03	-1.18e-04
887	1	1.48	-0.05	-1.92	1.53e-04	2.41e-03	2.65e-05
887	2	-0.40	2.67	-1.75	6.72e-05	2.21e-03	-1.19e-04
888	1	1.43	-0.09	-2.56	5.84e-04	1.53e-03	1.83e-05
888	2	-0.45	2.59	-2.33	4.45e-04	1.39e-03	-1.25e-04
889	1	1.37	-0.12	-2.94	9.27e-04	5.41e-04	-4.09e-06

889	2	-0.51	2.52	-2.67	7.41e-04	4.60e-04	-1.42e-04
890	1	1.32	-0.15	-3.04	1.18e-03	-4.63e-04	-3.92e-05
890	2	-0.56	2.45	-2.74	9.53e-04	-4.71e-04	-1.68e-04
891	1	1.26	-0.19	-2.85	1.33e-03	-1.40e-03	-8.51e-05
891	2	-0.61	2.37	-2.54	1.08e-03	-1.32e-03	-1.99e-04
892	1	1.21	-0.23	-2.41	1.38e-03	-2.18e-03	-1.39e-04
892	2	-0.65	2.29	-2.12	1.11e-03	-2.02e-03	-2.31e-04
893	1	1.17	-0.28	-1.76	1.32e-03	-2.74e-03	-1.97e-04
893	2	-0.68	2.22	-1.50	1.07e-03	-2.59e-03	-2.59e-04
894	1	1.14	-0.34	-0.97	1.18e-03	-3.01e-03	-2.44e-04
894	2	-0.70	2.14	-0.78	9.47e-04	-2.69e-03	-2.71e-04
895	1	1.09	-0.49	-1.04	-2.22e-04	2.84e-03	-4.60e-05
895	2	-0.71	2.00	-0.80	-2.99e-04	2.58e-03	-2.24e-06
896	1	1.05	-0.55	-1.80	2.38e-04	2.25e-03	-3.78e-05
896	2	-0.74	1.96	-1.49	1.53e-04	2.11e-03	3.51e-06
897	1	1.00	-0.59	-2.38	6.23e-04	1.45e-03	-3.58e-05
897	2	-0.77	1.92	-2.04	5.29e-04	1.42e-03	3.86e-06
898	1	0.95	-0.64	-2.73	9.37e-04	5.38e-04	-4.36e-05
898	2	-0.81	1.89	-2.39	8.39e-04	5.91e-04	-5.11e-06
899	1	0.90	-0.68	-2.83	1.18e-03	-4.08e-04	-6.16e-05
899	2	-0.86	1.86	-2.51	1.08e-03	-2.83e-04	-2.34e-05
900	1	0.84	-0.72	-2.68	1.34e-03	-1.31e-03	-8.81e-05
900	2	-0.90	1.83	-2.39	1.24e-03	-1.13e-03	-5.02e-05
901	1	0.80	-0.76	-2.28	1.43e-03	-2.11e-03	-1.20e-04
901	2	-0.94	1.80	-2.05	1.32e-03	-1.88e-03	-8.36e-05
902	1	0.76	-0.81	-1.68	1.45e-03	-2.74e-03	-1.52e-04
902	2	-0.97	1.76	-1.51	1.32e-03	-2.47e-03	-1.20e-04
903	1	0.73	-0.86	-0.92	1.39e-03	-3.15e-03	-1.78e-04
903	2	-1.00	1.73	-0.83	1.24e-03	-2.84e-03	-1.57e-04
904	1	1.58	-1.77e-04	-0.94	-8.68e-04	2.79e-03	-5.36e-05
904	2	-0.25	2.78	-0.88	-8.77e-04	2.76e-03	-1.96e-04
905	1	1.55	-0.04	-1.71	-5.91e-04	2.42e-03	-2.12e-05
905	2	-0.29	2.70	-1.60	-6.60e-04	2.27e-03	-1.66e-04
906	1	1.51	-0.07	-2.31	-2.65e-04	1.66e-03	1.50e-06
906	2	-0.34	2.63	-2.15	-3.89e-04	1.55e-03	-1.44e-04
907	1	1.46	-0.10	-2.68	7.61e-05	7.66e-04	7.58e-06
907	2	-0.40	2.56	-2.48	-9.68e-05	7.11e-04	-1.35e-04
908	1	1.40	-0.13	-2.79	4.09e-04	-1.85e-04	-6.26e-06
908	2	-0.45	2.48	-2.57	1.92e-04	-1.77e-04	-1.43e-04
909	1	1.35	-0.17	-2.63	7.01e-04	-1.10e-03	-3.80e-05
909	2	-0.51	2.41	-2.41	4.49e-04	-1.03e-03	-1.63e-04
910	1	1.30	-0.21	-2.24	9.24e-04	-1.90e-03	-8.54e-05
910	2	-0.55	2.33	-2.02	6.51e-04	-1.75e-03	-1.93e-04
911	1	1.25	-0.26	-1.64	1.05e-03	-2.50e-03	-1.46e-04
911	2	-0.59	2.25	-1.46	7.74e-04	-2.28e-03	-2.29e-04
912	1	1.22	-0.32	-0.90	1.07e-03	-2.82e-03	-2.09e-04
912	2	-0.62	2.17	-0.77	8.10e-04	-2.64e-03	-2.64e-04
913	1	1.17	-0.47	-0.92	-8.45e-04	2.76e-03	-1.30e-04
913	2	-0.64	2.01	-0.73	-8.80e-04	2.48e-03	-9.51e-05
914	1	1.13	-0.52	-1.61	-6.31e-04	2.30e-03	-8.92e-05
914	2	-0.67	1.98	-1.35	-7.11e-04	2.14e-03	-5.32e-05
915	1	1.09	-0.57	-2.15	-3.56e-04	1.63e-03	-5.72e-05
915	2	-0.70	1.94	-1.85	-4.63e-04	1.57e-03	-2.08e-05
916	1	1.04	-0.61	-2.49	-4.92e-05	8.01e-04	-4.02e-05
916	2	-0.74	1.91	-2.18	-1.72e-04	8.30e-04	-3.39e-06
917	1	0.98	-0.65	-2.60	2.60e-04	-9.24e-05	-3.92e-05
917	2	-0.78	1.88	-2.31	1.29e-04	1.30e-05	-2.00e-06
918	1	0.93	-0.69	-2.48	5.44e-04	-9.79e-04	-5.27e-05
918	2	-0.83	1.85	-2.21	4.10e-04	-8.10e-04	-1.47e-05
919	1	0.88	-0.74	-2.12	7.81e-04	-1.79e-03	-7.86e-05
919	2	-0.87	1.82	-1.90	6.43e-04	-1.56e-03	-4.01e-05
920	1	0.84	-0.78	-1.57	9.56e-04	-2.45e-03	-1.13e-04
920	2	-0.90	1.78	-1.41	8.15e-04	-2.18e-03	-7.49e-05
921	1	0.80	-0.83	-0.86	1.07e-03	-2.90e-03	-1.48e-04
921	2	-0.93	1.74	-0.77	9.22e-04	-2.60e-03	-1.11e-04
922	1	1.65	0.01	-0.91	-9.16e-04	2.88e-03	-8.03e-05
922	2	-0.16	2.81	-0.87	-9.23e-04	2.75e-03	-2.07e-04
923	1	1.62	-0.02	-1.66	-7.29e-04	2.39e-03	-3.62e-05
923	2	-0.20	2.74	-1.58	-7.67e-04	2.28e-03	-1.76e-04
924	1	1.58	-0.05	-2.24	-4.72e-04	1.68e-03	-6.98e-06
924	2	-0.24	2.66	-2.13	-5.52e-04	1.60e-03	-1.51e-04
925	1	1.53	-0.08	-2.60	-1.68e-04	8.14e-04	4.57e-06

925	2	-0.30	2.59	-2.46	-2.89e-04	7.76e-04	-1.39e-04
926	1	1.48	-0.11	-2.71	1.48e-04	-1.10e-04	-2.01e-06
926	2	-0.35	2.52	-2.55	-6.60e-06	-1.01e-04	-1.40e-04
927	1	1.43	-0.15	-2.56	4.47e-04	-1.01e-03	-2.71e-05
927	2	-0.41	2.45	-2.40	2.68e-04	-9.49e-04	-1.57e-04
928	1	1.38	-0.19	-2.17	6.96e-04	-1.80e-03	-6.99e-05
928	2	-0.46	2.37	-2.02	5.06e-04	-1.69e-03	-1.86e-04
929	1	1.33	-0.23	-1.58	8.66e-04	-2.40e-03	-1.28e-04
929	2	-0.50	2.29	-1.47	6.79e-04	-2.23e-03	-2.26e-04
930	1	1.30	-0.29	-0.86	9.39e-04	-2.72e-03	-1.91e-04
930	2	-0.53	2.20	-0.79	7.70e-04	-2.51e-03	-2.67e-04
931	1	1.24	-0.44	-0.90	-8.90e-04	2.75e-03	-1.55e-04
931	2	-0.56	2.03	-0.77	-9.16e-04	2.49e-03	-1.31e-04
932	1	1.21	-0.50	-1.58	-7.51e-04	2.31e-03	-1.09e-04
932	2	-0.59	1.99	-1.38	-8.38e-04	2.15e-03	-7.95e-05
933	1	1.17	-0.54	-2.12	-5.45e-04	1.66e-03	-7.21e-05
933	2	-0.63	1.96	-1.87	-6.71e-04	1.59e-03	-3.90e-05
934	1	1.12	-0.59	-2.45	-2.82e-04	8.58e-04	-4.89e-05
934	2	-0.67	1.93	-2.19	-4.31e-04	8.71e-04	-1.43e-05
935	1	1.07	-0.63	-2.57	1.07e-05	-1.82e-05	-4.05e-05
935	2	-0.71	1.90	-2.31	-1.50e-04	6.82e-05	-4.78e-06
936	1	1.01	-0.67	-2.45	3.06e-04	-8.98e-04	-4.66e-05
936	2	-0.76	1.87	-2.21	1.44e-04	-7.48e-04	-9.34e-06
937	1	0.96	-0.71	-2.10	5.79e-04	-1.71e-03	-6.65e-05
937	2	-0.80	1.83	-1.90	4.22e-04	-1.51e-03	-2.64e-05
938	1	0.92	-0.76	-1.55	8.02e-04	-2.38e-03	-9.94e-05
938	2	-0.83	1.80	-1.41	6.53e-04	-2.13e-03	-5.64e-05
939	1	0.88	-0.81	-0.85	9.71e-04	-2.85e-03	-1.38e-04
939	2	-0.86	1.76	-0.77	8.36e-04	-2.57e-03	-9.36e-05
940	1	1.73	0.03	-0.90	-9.55e-04	2.87e-03	-8.87e-05
940	2	-0.06	2.84	-0.87	-9.54e-04	2.77e-03	-2.07e-04
941	1	1.70	-8.00e-03	-1.64	-7.79e-04	2.39e-03	-4.18e-05
941	2	-0.10	2.77	-1.59	-8.10e-04	2.31e-03	-1.73e-04
942	1	1.65	-0.04	-2.22	-5.43e-04	1.68e-03	-6.26e-06
942	2	-0.15	2.70	-2.14	-5.99e-04	1.63e-03	-1.47e-04
943	1	1.61	-0.07	-2.57	-2.51e-04	8.31e-04	9.10e-06
943	2	-0.20	2.63	-2.47	-3.34e-04	8.06e-04	-1.34e-04
944	1	1.56	-0.09	-2.68	6.37e-05	-8.56e-05	4.98e-06
944	2	-0.26	2.56	-2.57	-4.31e-05	-7.69e-05	-1.35e-04
945	1	1.50	-0.13	-2.53	3.68e-04	-9.81e-04	-1.77e-05
945	2	-0.31	2.49	-2.42	2.44e-04	-9.35e-04	-1.52e-04
946	1	1.46	-0.16	-2.15	6.31e-04	-1.77e-03	-5.85e-05
946	2	-0.36	2.41	-2.05	4.97e-04	-1.69e-03	-1.84e-04
947	1	1.41	-0.21	-1.56	8.21e-04	-2.37e-03	-1.16e-04
947	2	-0.40	2.33	-1.49	6.88e-04	-2.25e-03	-2.29e-04
948	1	1.38	-0.26	-0.85	9.16e-04	-2.70e-03	-1.79e-04
948	2	-0.43	2.24	-0.80	7.98e-04	-2.54e-03	-2.76e-04
949	1	1.32	-0.42	-0.90	-9.32e-04	2.77e-03	-1.62e-04
949	2	-0.48	2.06	-0.80	-9.35e-04	2.56e-03	-1.45e-04
950	1	1.29	-0.47	-1.58	-7.97e-04	2.34e-03	-1.15e-04
950	2	-0.51	2.01	-1.43	-8.56e-04	2.19e-03	-9.14e-05
951	1	1.25	-0.52	-2.12	-5.95e-04	1.68e-03	-7.43e-05
951	2	-0.55	1.98	-1.93	-6.98e-04	1.61e-03	-4.64e-05
952	1	1.20	-0.56	-2.46	-3.35e-04	8.82e-04	-4.89e-05
952	2	-0.59	1.95	-2.25	-4.68e-04	8.81e-04	-1.83e-05
953	1	1.15	-0.60	-2.58	-4.16e-05	3.76e-06	-3.92e-05
953	2	-0.63	1.92	-2.37	-1.92e-04	6.83e-05	-7.02e-06
954	1	1.09	-0.65	-2.46	2.58e-04	-8.81e-04	-4.47e-05
954	2	-0.68	1.88	-2.26	1.00e-04	-7.59e-04	-1.09e-05
955	1	1.04	-0.69	-2.11	5.38e-04	-1.70e-03	-6.44e-05
955	2	-0.72	1.85	-1.94	3.85e-04	-1.53e-03	-2.74e-05
956	1	1.00	-0.74	-1.56	7.77e-04	-2.38e-03	-9.59e-05
956	2	-0.76	1.81	-1.44	6.42e-04	-2.18e-03	-5.23e-05
957	1	0.96	-0.79	-0.85	9.52e-04	-2.86e-03	-1.35e-04
957	2	-0.79	1.78	-0.79	8.33e-04	-2.62e-03	-8.61e-05
958	1	1.80	0.04	-0.89	-9.40e-04	2.86e-03	-9.55e-05
958	2	0.03	2.88	-0.87	-9.58e-04	2.79e-03	-2.05e-04
959	1	1.77	6.72e-03	-1.64	-7.84e-04	2.38e-03	-4.15e-05
959	2	-5.06e-03	2.81	-1.59	-8.10e-04	2.32e-03	-1.68e-04
960	1	1.73	-0.02	-2.21	-5.43e-04	1.68e-03	-2.63e-06
960	2	-0.05	2.74	-2.15	-5.90e-04	1.64e-03	-1.40e-04
961	1	1.68	-0.05	-2.56	-2.46e-04	8.24e-04	1.59e-05

961	2	-0.10	2.67	-2.49	-3.13e-04	8.10e-04	-1.27e-04
962	1	1.63	-0.08	-2.67	7.39e-05	-8.94e-05	1.29e-05
962	2	-0.16	2.60	-2.59	-8.71e-06	-7.95e-05	-1.30e-04
963	1	1.58	-0.11	-2.52	3.81e-04	-9.81e-04	-1.08e-05
963	2	-0.21	2.52	-2.44	2.89e-04	-9.45e-04	-1.49e-04
964	1	1.53	-0.14	-2.13	6.37e-04	-1.76e-03	-5.48e-05
964	2	-0.26	2.45	-2.07	5.44e-04	-1.70e-03	-1.85e-04
965	1	1.49	-0.18	-1.55	8.06e-04	-2.36e-03	-1.17e-04
965	2	-0.31	2.36	-1.50	7.17e-04	-2.27e-03	-2.37e-04
966	1	1.46	-0.24	-0.84	8.60e-04	-2.67e-03	-1.87e-04
966	2	-0.34	2.27	-0.82	7.97e-04	-2.56e-03	-2.96e-04
967	1	1.40	-0.39	-0.89	-9.08e-04	2.78e-03	-1.68e-04
967	2	-0.39	2.09	-0.82	-8.99e-04	2.60e-03	-1.56e-04
968	1	1.37	-0.44	-1.58	-7.80e-04	2.34e-03	-1.19e-04
968	2	-0.42	2.04	-1.47	-8.19e-04	2.22e-03	-1.01e-04
969	1	1.33	-0.49	-2.13	-5.75e-04	1.69e-03	-7.58e-05
969	2	-0.46	2.00	-1.98	-6.54e-04	1.62e-03	-5.30e-05
970	1	1.28	-0.54	-2.47	-3.09e-04	8.83e-04	-4.84e-05
970	2	-0.51	1.97	-2.30	-4.16e-04	8.76e-04	-2.13e-05
971	1	1.23	-0.58	-2.59	-7.14e-06	0.0	-3.79e-05
971	2	-0.56	1.93	-2.42	-1.33e-04	4.65e-05	-8.00e-06
972	1	1.18	-0.62	-2.47	2.98e-04	-8.90e-04	-4.40e-05
972	2	-0.60	1.90	-2.31	1.66e-04	-7.94e-04	-1.23e-05
973	1	1.13	-0.66	-2.12	5.78e-04	-1.71e-03	-6.61e-05
973	2	-0.65	1.87	-1.99	4.50e-04	-1.58e-03	-3.26e-05
974	1	1.08	-0.71	-1.57	8.07e-04	-2.40e-03	-1.01e-04
974	2	-0.69	1.83	-1.47	6.95e-04	-2.23e-03	-6.41e-05
975	1	1.04	-0.76	-0.86	9.84e-04	-2.88e-03	-1.37e-04
975	2	-0.72	1.79	-0.81	9.07e-04	-2.70e-03	-9.03e-05
976	1	1.90	0.06	-0.90	-9.95e-04	2.86e-03	-5.74e-05
976	2	0.16	2.92	-0.88	-9.63e-04	2.81e-03	-2.00e-04
977	1	1.86	0.02	-1.63	-7.80e-04	2.36e-03	-3.03e-05
977	2	0.12	2.85	-1.61	-8.08e-04	2.34e-03	-1.63e-04
978	1	1.82	-5.08e-03	-2.20	-5.28e-04	1.65e-03	1.81e-06
978	2	0.07	2.78	-2.17	-5.82e-04	1.64e-03	-1.35e-04
979	1	1.78	-0.03	-2.54	-2.31e-04	7.95e-04	1.95e-05
979	2	0.02	2.72	-2.51	-3.01e-04	7.99e-04	-1.23e-04
980	1	1.73	-0.06	-2.64	8.44e-05	-1.11e-04	1.80e-05
980	2	-0.04	2.65	-2.60	5.09e-06	-9.64e-05	-1.28e-04
981	1	1.68	-0.08	-2.49	3.84e-04	-9.91e-04	-4.11e-06
981	2	-0.09	2.57	-2.45	3.03e-04	-9.64e-04	-1.49e-04
982	1	1.63	-0.11	-2.11	6.33e-04	-1.76e-03	-4.68e-05
982	2	-0.14	2.50	-2.07	5.58e-04	-1.72e-03	-1.87e-04
983	1	1.59	-0.15	-1.53	7.97e-04	-2.34e-03	-1.09e-04
983	2	-0.18	2.41	-1.50	7.38e-04	-2.28e-03	-2.38e-04
984	1	1.56	-0.20	-0.82	8.57e-04	-2.64e-03	-1.77e-04
984	2	-0.22	2.32	-0.81	8.06e-04	-2.56e-03	-2.98e-04
985	1	1.51	-0.35	-0.90	-9.37e-04	2.80e-03	-1.61e-04
985	2	-0.27	2.13	-0.85	-9.02e-04	2.67e-03	-1.67e-04
986	1	1.47	-0.41	-1.59	-7.91e-04	2.35e-03	-1.16e-04
986	2	-0.31	2.08	-1.51	-8.09e-04	2.26e-03	-1.11e-04
987	1	1.43	-0.46	-2.13	-5.75e-04	1.69e-03	-7.60e-05
987	2	-0.35	2.03	-2.03	-6.32e-04	1.64e-03	-6.16e-05
988	1	1.38	-0.50	-2.48	-3.01e-04	8.73e-04	-5.04e-05
988	2	-0.40	2.00	-2.36	-3.86e-04	8.69e-04	-2.89e-05
989	1	1.33	-0.55	-2.59	4.41e-06	-1.58e-05	-4.08e-05
989	2	-0.45	1.96	-2.47	-9.74e-05	1.82e-05	-1.45e-05
990	1	1.28	-0.59	-2.47	3.13e-04	-9.07e-04	-4.70e-05
990	2	-0.50	1.93	-2.36	2.04e-04	-8.39e-04	-1.79e-05
991	1	1.23	-0.63	-2.11	5.92e-04	-1.73e-03	-6.90e-05
991	2	-0.54	1.89	-2.02	4.86e-04	-1.63e-03	-3.90e-05
992	1	1.19	-0.68	-1.56	8.15e-04	-2.40e-03	-1.06e-04
992	2	-0.58	1.85	-1.49	7.20e-04	-2.28e-03	-7.67e-05
993	1	1.15	-0.73	-0.85	9.67e-04	-2.87e-03	-1.51e-04
993	2	-0.61	1.81	-0.81	8.82e-04	-2.73e-03	-1.26e-04
994	1	1.97	0.06	-0.89	-9.06e-04	2.80e-03	-6.04e-05
994	2	0.26	2.96	-0.88	-9.45e-04	2.81e-03	-1.99e-04
995	1	1.94	0.04	-1.62	-7.31e-04	2.32e-03	-1.82e-05
995	2	0.22	2.89	-1.61	-7.83e-04	2.33e-03	-1.60e-04
996	1	1.90	8.38e-03	-2.17	-4.64e-04	1.61e-03	7.48e-06
996	2	0.17	2.82	-2.17	-5.51e-04	1.63e-03	-1.32e-04
997	1	1.85	-0.02	-2.52	-1.65e-04	7.70e-04	2.14e-05

997	2	0.12	2.75	-2.51	-2.69e-04	7.94e-04	-1.21e-04
998	1	1.80	-0.04	-2.61	1.44e-04	-1.26e-04	1.93e-05
998	2	0.06	2.68	-2.60	3.28e-05	-9.93e-05	-1.28e-04
999	1	1.75	-0.07	-2.46	4.33e-04	-9.93e-04	-1.34e-06
999	2	5.58e-03	2.61	-2.45	3.23e-04	-9.66e-04	-1.51e-04
1000	1	1.71	-0.10	-2.08	6.72e-04	-1.75e-03	-4.18e-05
1000	2	-0.05	2.54	-2.07	5.72e-04	-1.72e-03	-1.90e-04
1001	1	1.67	-0.13	-1.51	8.30e-04	-2.32e-03	-1.01e-04
1001	2	-0.09	2.45	-1.51	7.50e-04	-2.29e-03	-2.41e-04
1002	1	1.64	-0.18	-0.82	8.88e-04	-2.62e-03	-1.68e-04
1002	2	-0.13	2.36	-0.82	8.55e-04	-2.59e-03	-2.89e-04
1003	1	1.59	-0.33	-0.89	-9.20e-04	2.77e-03	-1.50e-04
1003	2	-0.18	2.16	-0.85	-9.06e-04	2.69e-03	-1.74e-04
1004	1	1.56	-0.38	-1.58	-7.51e-04	2.33e-03	-1.11e-04
1004	2	-0.22	2.11	-1.52	-7.91e-04	2.28e-03	-1.14e-04
1005	1	1.51	-0.43	-2.12	-5.25e-04	1.67e-03	-7.58e-05
1005	2	-0.26	2.06	-2.05	-5.96e-04	1.65e-03	-6.64e-05
1006	1	1.46	-0.48	-2.47	-2.53e-04	8.66e-04	-5.40e-05
1006	2	-0.31	2.02	-2.38	-3.41e-04	8.69e-04	-3.55e-05
1007	1	1.41	-0.52	-2.58	4.24e-05	-1.88e-05	-4.71e-05
1007	2	-0.36	1.99	-2.50	-5.32e-05	9.86e-06	-2.25e-05
1008	1	1.36	-0.56	-2.46	3.37e-04	-9.07e-04	-5.51e-05
1008	2	-0.41	1.95	-2.38	2.40e-04	-8.55e-04	-2.67e-05
1009	1	1.31	-0.61	-2.11	6.08e-04	-1.73e-03	-7.61e-05
1009	2	-0.46	1.91	-2.04	5.15e-04	-1.65e-03	-4.70e-05
1010	1	1.26	-0.66	-1.56	8.24e-04	-2.40e-03	-1.09e-04
1010	2	-0.50	1.87	-1.51	7.44e-04	-2.31e-03	-8.15e-05
1011	1	1.23	-0.71	-0.85	9.80e-04	-2.87e-03	-1.49e-04
1011	2	-0.54	1.82	-0.82	9.18e-04	-2.77e-03	-1.23e-04
1012	1	2.03	0.08	-0.87	-8.95e-04	2.77e-03	-4.94e-05
1012	2	0.36	2.99	-0.88	-9.46e-04	2.80e-03	-1.87e-04
1013	1	2.00	0.05	-1.58	-6.75e-04	2.28e-03	-1.84e-05
1013	2	0.32	2.92	-1.60	-7.68e-04	2.33e-03	-1.59e-04
1014	1	1.96	0.02	-2.14	-4.32e-04	1.59e-03	1.00e-05
1014	2	0.27	2.86	-2.16	-5.45e-04	1.64e-03	-1.33e-04
1015	1	1.92	-1.95e-03	-2.48	-1.40e-04	7.59e-04	2.31e-05
1015	2	0.22	2.79	-2.51	-2.77e-04	8.06e-04	-1.22e-04
1016	1	1.87	-0.02	-2.57	1.63e-04	-1.28e-04	2.11e-05
1016	2	0.16	2.72	-2.61	1.45e-05	-8.50e-05	-1.28e-04
1017	1	1.82	-0.05	-2.43	4.49e-04	-9.87e-04	2.12e-06
1017	2	0.10	2.65	-2.46	2.99e-04	-9.53e-04	-1.51e-04
1018	1	1.78	-0.08	-2.05	6.84e-04	-1.74e-03	-3.62e-05
1018	2	0.05	2.57	-2.08	5.44e-04	-1.71e-03	-1.91e-04
1019	1	1.74	-0.11	-1.49	8.34e-04	-2.29e-03	-9.40e-05
1019	2	4.38e-03	2.49	-1.51	7.19e-04	-2.28e-03	-2.46e-04
1020	1	1.71	-0.16	-0.80	8.87e-04	-2.59e-03	-1.60e-04
1020	2	-0.03	2.40	-0.82	8.04e-04	-2.58e-03	-3.05e-04
1021	1	1.67	-0.30	-0.89	-8.94e-04	2.74e-03	-1.51e-04
1021	2	-0.09	2.19	-0.86	-9.51e-04	2.72e-03	-1.71e-04
1022	1	1.64	-0.35	-1.57	-7.37e-04	2.32e-03	-1.10e-04
1022	2	-0.13	2.14	-1.53	-8.11e-04	2.30e-03	-1.22e-04
1023	1	1.60	-0.40	-2.11	-5.17e-04	1.67e-03	-7.61e-05
1023	2	-0.17	2.09	-2.06	-6.15e-04	1.67e-03	-7.46e-05
1024	1	1.55	-0.45	-2.45	-2.49e-04	8.72e-04	-5.54e-05
1024	2	-0.22	2.05	-2.40	-3.60e-04	8.83e-04	-4.23e-05
1025	1	1.49	-0.49	-2.57	4.15e-05	-5.36e-06	-4.98e-05
1025	2	-0.27	2.01	-2.52	-7.14e-05	1.95e-05	-2.78e-05
1026	1	1.44	-0.54	-2.45	3.31e-04	-8.91e-04	-5.94e-05
1026	2	-0.33	1.97	-2.40	2.25e-04	-8.52e-04	-3.13e-05
1027	1	1.39	-0.58	-2.11	5.94e-04	-1.71e-03	-8.30e-05
1027	2	-0.38	1.93	-2.06	5.02e-04	-1.66e-03	-5.18e-05
1028	1	1.34	-0.63	-1.56	8.20e-04	-2.40e-03	-1.15e-04
1028	2	-0.42	1.89	-1.52	7.43e-04	-2.33e-03	-8.51e-05
1029	1	1.31	-0.69	-0.85	9.80e-04	-2.87e-03	-1.49e-04
1029	2	-0.45	1.84	-0.83	9.27e-04	-2.80e-03	-1.24e-04
1030	1	2.09	0.09	-0.85	-8.85e-04	2.71e-03	-5.53e-05
1030	2	0.46	3.03	-0.87	-9.48e-04	2.79e-03	-1.87e-04
1031	1	2.06	0.06	-1.56	-7.23e-04	2.27e-03	-1.84e-05
1031	2	0.42	2.96	-1.60	-8.05e-04	2.35e-03	-1.55e-04
1032	1	2.03	0.03	-2.10	-4.84e-04	1.59e-03	9.89e-06
1032	2	0.37	2.89	-2.16	-5.91e-04	1.67e-03	-1.31e-04
1033	1	1.98	0.01	-2.44	-2.05e-04	7.73e-04	2.58e-05

1033	2	0.32	2.83	-2.51	-3.32e-04	8.43e-04	-1.21e-04
1034	1	1.94	-0.01	-2.54	9.67e-05	-1.08e-04	2.50e-05
1034	2	0.26	2.76	-2.62	-4.95e-05	-4.64e-05	-1.27e-04
1035	1	1.89	-0.03	-2.39	3.88e-04	-9.65e-04	7.47e-06
1035	2	0.20	2.69	-2.48	2.29e-04	-9.19e-04	-1.50e-04
1036	1	1.85	-0.06	-2.02	6.36e-04	-1.71e-03	-2.78e-05
1036	2	0.15	2.61	-2.10	4.74e-04	-1.69e-03	-1.90e-04
1037	1	1.81	-0.09	-1.46	8.02e-04	-2.26e-03	-8.15e-05
1037	2	0.10	2.53	-1.53	6.53e-04	-2.27e-03	-2.46e-04
1038	1	1.79	-0.14	-0.78	8.65e-04	-2.55e-03	-1.46e-04
1038	2	0.07	2.43	-0.84	7.52e-04	-2.58e-03	-3.05e-04
1039	1	1.75	-0.27	-0.87	-8.69e-04	2.71e-03	-1.47e-04
1039	2	4.88e-03	2.22	-0.88	-9.84e-04	2.74e-03	-1.80e-04
1040	1	1.72	-0.33	-1.55	-7.08e-04	2.29e-03	-1.09e-04
1040	2	-0.03	2.17	-1.56	-8.60e-04	2.32e-03	-1.28e-04
1041	1	1.68	-0.38	-2.08	-4.91e-04	1.66e-03	-7.52e-05
1041	2	-0.08	2.12	-2.09	-6.58e-04	1.69e-03	-8.10e-05
1042	1	1.63	-0.42	-2.43	-2.26e-04	8.74e-04	-5.50e-05
1042	2	-0.13	2.07	-2.43	-4.00e-04	9.02e-04	-4.73e-05
1043	1	1.58	-0.46	-2.55	6.09e-05	7.28e-06	-5.01e-05
1043	2	-0.18	2.04	-2.55	-1.07e-04	3.26e-05	-3.10e-05
1044	1	1.53	-0.51	-2.44	3.44e-04	-8.71e-04	-6.11e-05
1044	2	-0.24	2.00	-2.43	1.95e-04	-8.47e-04	-3.34e-05
1045	1	1.47	-0.56	-2.10	6.00e-04	-1.69e-03	-8.71e-05
1045	2	-0.29	1.96	-2.09	4.80e-04	-1.67e-03	-5.34e-05
1046	1	1.43	-0.61	-1.56	8.07e-04	-2.38e-03	-1.25e-04
1046	2	-0.33	1.91	-1.54	7.21e-04	-2.35e-03	-8.90e-05
1047	1	1.39	-0.67	-0.85	9.91e-04	-2.88e-03	-1.59e-04
1047	2	-0.37	1.86	-0.84	9.29e-04	-2.84e-03	-1.28e-04
1048	1	2.15	0.10	-0.85	-1.00e-03	2.78e-03	-7.60e-05
1048	2	0.55	3.06	-0.88	-1.06e-03	2.88e-03	-2.00e-04
1049	1	2.12	0.07	-1.57	-9.13e-04	2.35e-03	-3.73e-05
1049	2	0.52	2.99	-1.62	-9.82e-04	2.44e-03	-1.67e-04
1050	1	2.09	0.05	-2.13	-7.59e-04	1.69e-03	-1.44e-06
1050	2	0.47	2.93	-2.20	-8.37e-04	1.78e-03	-1.38e-04
1051	1	2.05	0.02	-2.47	-5.26e-04	8.73e-04	2.16e-05
1051	2	0.42	2.86	-2.57	-6.19e-04	9.61e-04	-1.21e-04
1052	1	2.00	3.52e-03	-2.57	-2.44e-04	-1.73e-05	2.99e-05
1052	2	0.37	2.80	-2.68	-3.52e-04	6.17e-05	-1.20e-04
1053	1	1.96	-0.02	-2.42	6.40e-05	-8.96e-04	2.10e-05
1053	2	0.31	2.73	-2.55	-6.07e-05	-8.32e-04	-1.36e-04
1054	1	1.91	-0.05	-2.04	3.63e-04	-1.67e-03	-6.86e-06
1054	2	0.25	2.65	-2.17	2.25e-04	-1.64e-03	-1.72e-04
1055	1	1.88	-0.08	-1.47	6.16e-04	-2.26e-03	-5.24e-05
1055	2	0.20	2.57	-1.59	4.71e-04	-2.26e-03	-2.25e-04
1056	1	1.86	-0.12	-0.77	7.83e-04	-2.56e-03	-1.08e-04
1056	2	0.16	2.48	-0.88	6.50e-04	-2.61e-03	-2.85e-04
1057	1	1.82	-0.25	-0.86	-9.11e-04	2.72e-03	-1.55e-04
1057	2	0.10	2.26	-0.93	-1.12e-03	2.82e-03	-2.08e-04
1058	1	1.80	-0.30	-1.54	-8.01e-04	2.32e-03	-1.18e-04
1058	2	0.06	2.20	-1.61	-1.04e-03	2.41e-03	-1.48e-04
1059	1	1.76	-0.35	-2.08	-6.21e-04	1.70e-03	-8.21e-05
1059	2	0.02	2.15	-2.15	-8.73e-04	1.77e-03	-9.30e-05
1060	1	1.71	-0.39	-2.42	-3.79e-04	9.23e-04	-5.61e-05
1060	2	-0.04	2.10	-2.50	-6.26e-04	9.68e-04	-5.24e-05
1061	1	1.66	-0.44	-2.55	-9.13e-05	5.53e-05	-4.37e-05
1061	2	-0.09	2.06	-2.61	-3.22e-04	7.97e-05	-2.82e-05
1062	1	1.61	-0.48	-2.44	2.17e-04	-8.30e-04	-4.79e-05
1062	2	-0.14	2.02	-2.49	1.25e-05	-8.24e-04	-2.30e-05
1063	1	1.56	-0.53	-2.10	5.16e-04	-1.66e-03	-7.12e-05
1063	2	-0.20	1.98	-2.14	3.46e-04	-1.67e-03	-3.91e-05
1064	1	1.51	-0.58	-1.56	7.78e-04	-2.36e-03	-1.12e-04
1064	2	-0.24	1.94	-1.58	6.53e-04	-2.38e-03	-7.37e-05
1065	1	1.47	-0.64	-0.86	9.57e-04	-2.86e-03	-1.67e-04
1065	2	-0.28	1.89	-0.87	8.91e-04	-2.88e-03	-1.23e-04
1066	1	2.20	0.11	-0.92	-1.32e-03	3.06e-03	-1.41e-04
1066	2	0.65	3.08	-0.96	-1.39e-03	3.16e-03	-2.58e-04
1067	1	1.11	-0.80	-0.05	1.11e-03	-3.08e-03	-1.73e-04
1067	2	-0.65	1.74	-0.05	1.05e-03	-2.92e-03	-1.55e-04
Nodo		Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		-1.04	-0.91	-3.61	-0.05	-0.02	-3.37e-04

Nodo	Cmb	2.24	3.17	0.20	0.03	9.99e-03	2.99e-05
		Azione X kN	Azione Y kN	Azione Z kN	Azione RX kN m	Azione RY kN m	Azione RZ kN m
550	1	457.82	90.41	132.54	195.07	-1050.21	-1.75e-03
550	2	187.52	108.16	-522.43	290.11	-386.19	-2.10e-03
551	1	493.84	96.61	622.87	198.01	-1170.26	-1.40e-03
551	2	229.00	120.55	-242.01	322.15	-518.44	-1.73e-03
552	1	525.83	102.97	910.39	204.75	-1268.36	-1.33e-03
552	2	266.98	132.49	-36.08	351.75	-628.56	-1.71e-03
553	1	554.06	109.89	1070.25	216.83	-1348.40	-1.27e-03
553	2	302.39	144.22	120.63	380.25	-723.44	-1.72e-03
555	1	579.48	116.65	1163.70	229.66	-1417.05	-2.03e-03
555	2	336.39	155.57	250.41	406.64	-811.22	-2.93e-03
559	1	624.11	131.69	1267.12	269.83	-1533.89	-9.12e-04
559	2	401.52	179.56	473.61	468.62	-973.73	-1.47e-03
560	1	642.58	139.21	1370.92	291.89	-1575.34	-7.39e-04
560	2	432.33	191.36	624.30	499.35	-1045.87	-1.27e-03
561	1	659.95	144.72	1510.06	304.73	-1616.59	-6.30e-04
561	2	463.05	201.35	784.29	521.42	-1121.27	-1.19e-03
562	1	677.72	148.61	1632.27	311.78	-1671.17	-5.22e-04
562	2	495.08	209.41	888.55	535.01	-1212.83	-1.11e-03
563	1	693.17	154.14	1703.54	332.14	-1722.49	-3.59e-04
563	2	526.91	218.40	874.02	557.05	-1312.20	-8.62e-04
600	1	602.34	123.75	1213.00	246.47	-1476.13	-5.42e-03
600	2	369.16	167.15	358.39	434.91	-893.14	-8.22e-03
609	1	603.37	97.69	-3229.54	166.91	-1511.22	-2.15e-03
609	2	368.06	126.62	-2379.18	306.06	-929.10	-3.16e-03
613	1	625.19	105.86	-3318.87	186.24	-1567.58	-1.53e-03
613	2	400.53	138.26	-2507.24	333.33	-1010.11	-2.35e-03
614	1	645.20	114.18	-3412.43	208.23	-1617.81	-9.10e-04
614	2	432.23	150.21	-2647.41	362.74	-1087.69	-1.47e-03
615	1	662.26	122.52	-3493.18	231.12	-1654.21	-8.11e-04
615	2	462.28	162.55	-2778.71	394.45	-1157.09	-1.39e-03
616	1	677.34	132.80	-3483.09	268.44	-1687.22	-6.99e-04
616	2	491.75	176.46	-2849.26	437.46	-1228.96	-1.31e-03
617	1	689.47	139.56	-3406.53	291.19	-1720.25	-7.37e-04
617	2	516.91	186.78	-2874.60	467.31	-1298.09	-1.56e-03
618	1	703.20	151.25	-3182.06	346.50	-1764.06	-8.00e-04
618	2	547.32	201.99	-2822.37	525.57	-1391.55	-1.95e-03
621	1	491.53	70.96	-3621.02	141.64	-1192.63	-1.70e-03
621	2	223.79	84.98	-2418.82	228.52	-530.22	-2.06e-03
622	1	525.02	75.30	-3270.72	131.35	-1298.58	-1.33e-03
622	2	263.89	93.88	-2227.93	238.54	-653.71	-1.67e-03
623	1	553.57	81.64	-3158.14	134.86	-1378.60	-1.25e-03
623	2	300.19	103.96	-2211.12	255.81	-753.86	-1.65e-03
624	1	579.43	89.56	-3166.53	149.37	-1447.67	-1.22e-03
624	2	334.53	115.34	-2276.82	281.14	-843.07	-1.70e-03
672	1	316.86	107.80	-21.74	254.76	-740.77	-7.86e-03
672	2	-68.22	159.70	-939.28	461.20	200.49	-7.28e-03
686	1	312.69	66.67	-1753.54	135.14	-760.88	-3.01e-03
686	2	-72.07	122.10	-826.30	352.72	182.08	-2.74e-03
690	1	347.83	78.53	-1874.10	159.05	-846.16	-2.24e-03
690	2	-39.23	132.65	-922.59	374.62	102.27	-2.09e-03
691	1	381.09	92.09	-1998.39	193.93	-923.60	-1.37e-03
691	2	-6.24	144.88	-1029.51	405.00	24.82	-1.37e-03
692	1	412.41	105.50	-2084.03	228.95	-994.86	-1.26e-03
692	2	27.00	157.74	-1105.40	438.02	-53.03	-1.33e-03
693	1	442.29	118.93	-2121.14	266.27	-1065.47	-1.18e-03
693	2	61.22	170.22	-1164.76	468.38	-138.08	-1.32e-03
694	1	467.23	128.33	-2150.27	289.09	-1132.40	-1.32e-03
694	2	91.59	178.18	-1283.34	479.22	-222.04	-1.61e-03
695	1	496.71	141.34	-2168.86	333.81	-1222.89	-1.66e-03
695	2	129.35	188.12	-1572.62	497.88	-338.72	-2.12e-03
698	1	389.35	-245.78	-1379.75	-804.32	-934.67	-2.09e-03
698	2	-395.64	1020.52	-206.42	3079.67	1254.30	-2.06e-03
699	1	433.79	-238.93	-875.30	-804.06	-1086.23	-1.70e-03
699	2	-360.24	1045.90	-789.88	3190.59	1158.20	-1.72e-03
700	1	473.78	-229.28	-577.40	-783.12	-1212.30	-1.63e-03
700	2	-327.43	1063.95	-1071.84	3254.37	1077.73	-1.70e-03
701	1	509.94	-219.67	-376.39	-760.76	-1318.63	-1.59e-03
701	2	-294.88	1080.67	-1171.30	3310.39	998.57	-1.72e-03

702	1	543.44	-210.11	-233.82	-738.09	-1412.50	-2.67e-03
702	2	-261.55	1094.86	-1147.88	3351.48	915.00	-2.99e-03
706	1	606.31	-190.03	-54.35	-687.50	-1582.30	-1.34e-03
706	2	-191.56	1121.45	-957.72	3424.52	732.38	-1.62e-03
707	1	636.57	-178.22	33.24	-652.35	-1662.66	-1.18e-03
707	2	-153.25	1132.16	-899.74	3444.78	626.49	-1.50e-03
708	1	667.34	-165.28	182.71	-610.98	-1747.17	-1.18e-03
708	2	-112.82	1140.40	-1016.61	3449.20	513.48	-1.55e-03
709	1	699.61	-152.43	395.15	-570.88	-1840.98	-1.19e-03
709	2	-69.58	1146.12	-1400.87	3436.84	388.34	-1.61e-03
710	1	730.87	-138.13	645.07	-521.84	-1927.44	-9.63e-04
710	2	-19.51	1149.51	-2195.51	3407.23	224.29	-1.33e-03
746	1	574.62	-199.85	-133.06	-710.94	-1495.16	-7.47e-03
746	2	-226.65	1107.35	-1062.57	3382.94	822.60	-8.54e-03
755	1	579.50	-232.81	-3171.08	-805.37	-1564.93	-2.86e-03
755	2	-223.02	1067.79	-2215.05	3264.87	755.44	-3.25e-03
759	1	610.65	-232.79	-3249.50	-787.93	-1648.39	-2.13e-03
759	2	-188.12	1081.18	-2307.16	3303.88	665.06	-2.46e-03
760	1	641.09	-212.43	-3349.60	-755.99	-1729.23	-1.33e-03
760	2	-151.03	1093.50	-2404.08	3337.34	565.09	-1.61e-03
761	1	670.59	-199.45	-3385.65	-714.22	-1805.50	-1.28e-03
761	2	-110.28	1102.57	-2574.07	3350.97	447.85	-1.62e-03
762	1	700.51	-185.47	-3315.79	-666.46	-1884.76	-1.29e-03
762	2	-65.05	1112.13	-2906.00	3367.44	308.35	-1.69e-03
763	1	726.78	-175.90	-3203.89	-640.48	-1957.17	-1.67e-03
763	2	-24.59	1117.10	-3427.90	3360.25	180.38	-2.24e-03
764	1	758.08	-156.16	-2956.62	-556.60	-2044.49	-2.18e-03
764	2	26.45	1121.65	-4346.03	3339.52	10.07	-3.02e-03
767	1	434.68	-266.55	-3785.00	-851.50	-1136.20	-2.04e-03
767	2	-363.44	1002.05	-943.99	3045.91	1134.12	-2.03e-03
768	1	477.50	-260.44	-3363.41	-856.89	-1278.93	-1.61e-03
768	2	-328.27	1021.27	-1489.40	3117.64	1039.19	-1.66e-03
769	1	513.93	-252.05	-3191.97	-846.13	-1385.36	-1.55e-03
769	2	-292.92	1039.11	-1854.41	3180.13	942.57	-1.65e-03
770	1	547.59	-242.72	-3145.31	-828.16	-1478.70	-1.56e-03
770	2	-258.38	1055.49	-2080.98	3234.41	851.19	-1.71e-03
784	1	158.25	21.33	-1790.65	55.18	-351.80	-1.99e-03
784	2	-198.13	81.92	-659.01	261.75	510.82	-1.48e-03
785	1	201.16	29.27	-1575.76	53.90	-477.81	-1.61e-03
785	2	-165.76	90.91	-636.06	280.21	416.27	-1.26e-03
786	1	240.27	40.32	-1588.84	71.98	-582.19	-1.58e-03
786	2	-134.59	100.68	-689.46	302.21	334.13	-1.30e-03
803	1	277.14	53.56	-1672.55	103.63	-674.55	-1.62e-03
803	2	-103.67	111.46	-761.29	328.65	258.14	-1.41e-03
843	1	122.38	47.07	-753.65	123.14	-221.63	-2.02e-03
843	2	-224.22	98.48	-1233.53	295.26	604.02	-1.50e-03
844	1	167.09	57.83	-417.01	139.73	-358.29	-1.67e-03
844	2	-192.04	111.26	-1228.97	335.66	508.67	-1.27e-03
845	1	207.86	69.10	-270.99	160.18	-471.62	-1.64e-03
845	2	-161.48	123.68	-1194.37	371.48	427.41	-1.32e-03
846	1	245.58	82.15	-194.88	191.98	-567.97	-1.64e-03
846	2	-131.29	136.00	-1128.35	404.73	353.07	-1.39e-03
847	1	281.65	95.52	-111.12	226.28	-656.14	-2.79e-03
847	2	-100.45	148.33	-1034.64	436.53	279.03	-2.50e-03
851	1	351.24	120.24	63.68	285.47	-822.12	-1.37e-03
851	2	-36.04	172.51	-857.22	493.66	126.25	-1.37e-03
852	1	383.86	132.20	172.69	315.72	-897.33	-1.16e-03
852	2	-2.94	185.50	-746.35	527.06	48.85	-1.23e-03
853	1	415.30	142.75	309.26	340.87	-971.74	-1.07e-03
853	2	30.98	197.22	-621.68	553.76	-33.24	-1.20e-03
854	1	447.42	149.37	392.18	346.48	-1060.66	-9.36e-04
854	2	67.03	204.74	-592.13	557.00	-131.22	-1.15e-03
855	1	477.85	155.61	270.82	353.54	-1152.86	-7.28e-04
855	2	104.31	209.78	-860.05	546.98	-242.57	-9.28e-04
Nodo		Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		-395.64	-266.55	-4346.03	-856.89	-2044.49	-8.54e-03
		758.08	1149.51	1703.54	3449.20	1254.30	-3.59e-04
Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		kN	kN	kN	kN m	kN m	kN m
550	2	187.52	108.16	-522.43	290.11	-386.19	-2.10e-03

	1	457.82	90.41	132.54	195.07	-1050.21	-1.75e-03
	1	457.82	90.41	132.54	195.07	-1050.21	-1.75e-03
	2	187.52	108.16	-522.43	290.11	-386.19	-2.10e-03
	1	457.82	90.41	132.54	195.07	-1050.21	-1.75e-03
	2	187.52	108.16	-522.43	290.11	-386.19	-2.10e-03
551	2	229.00	120.55	-242.01	322.15	-518.44	-1.73e-03
	1	493.84	96.61	622.87	198.01	-1170.26	-1.40e-03
	1	493.84	96.61	622.87	198.01	-1170.26	-1.40e-03
	2	229.00	120.55	-242.01	322.15	-518.44	-1.73e-03
	1	493.84	96.61	622.87	198.01	-1170.26	-1.40e-03
	2	229.00	120.55	-242.01	322.15	-518.44	-1.73e-03
552	2	266.98	132.49	-36.08	351.75	-628.56	-1.71e-03
	1	525.83	102.97	910.39	204.75	-1268.36	-1.33e-03
	1	525.83	102.97	910.39	204.75	-1268.36	-1.33e-03
	2	266.98	132.49	-36.08	351.75	-628.56	-1.71e-03
	1	525.83	102.97	910.39	204.75	-1268.36	-1.33e-03
	2	266.98	132.49	-36.08	351.75	-628.56	-1.71e-03
553	2	302.39	144.22	120.63	380.25	-723.44	-1.72e-03
	1	554.06	109.89	1070.25	216.83	-1348.40	-1.27e-03
	1	554.06	109.89	1070.25	216.83	-1348.40	-1.27e-03
	2	302.39	144.22	120.63	380.25	-723.44	-1.72e-03
	1	554.06	109.89	1070.25	216.83	-1348.40	-1.27e-03
	2	302.39	144.22	120.63	380.25	-723.44	-1.72e-03
555	2	336.39	155.57	250.41	406.64	-811.22	-2.93e-03
	1	579.48	116.65	1163.70	229.66	-1417.05	-2.03e-03
	1	579.48	116.65	1163.70	229.66	-1417.05	-2.03e-03
	2	336.39	155.57	250.41	406.64	-811.22	-2.93e-03
	1	579.48	116.65	1163.70	229.66	-1417.05	-2.03e-03
	2	336.39	155.57	250.41	406.64	-811.22	-2.93e-03
559	2	401.52	179.56	473.61	468.62	-973.73	-1.47e-03
	1	624.11	131.69	1267.12	269.83	-1533.89	-9.12e-04
	1	624.11	131.69	1267.12	269.83	-1533.89	-9.12e-04
	2	401.52	179.56	473.61	468.62	-973.73	-1.47e-03
	1	624.11	131.69	1267.12	269.83	-1533.89	-9.12e-04
	2	401.52	179.56	473.61	468.62	-973.73	-1.47e-03
560	2	432.33	191.36	624.30	499.35	-1045.87	-1.27e-03
	1	642.58	139.21	1370.92	291.89	-1575.34	-7.39e-04
	1	642.58	139.21	1370.92	291.89	-1575.34	-7.39e-04
	2	432.33	191.36	624.30	499.35	-1045.87	-1.27e-03
	1	642.58	139.21	1370.92	291.89	-1575.34	-7.39e-04
	2	432.33	191.36	624.30	499.35	-1045.87	-1.27e-03
561	2	463.05	201.35	784.29	521.42	-1121.27	-1.19e-03
	1	659.95	144.72	1510.06	304.73	-1616.59	-6.30e-04
	1	659.95	144.72	1510.06	304.73	-1616.59	-6.30e-04
	2	463.05	201.35	784.29	521.42	-1121.27	-1.19e-03
	1	659.95	144.72	1510.06	304.73	-1616.59	-6.30e-04
	2	463.05	201.35	784.29	521.42	-1121.27	-1.19e-03
562	2	495.08	209.41	888.55	535.01	-1212.83	-1.11e-03
	1	677.72	148.61	1632.27	311.78	-1671.17	-5.22e-04
	1	677.72	148.61	1632.27	311.78	-1671.17	-5.22e-04
	2	495.08	209.41	888.55	535.01	-1212.83	-1.11e-03
	1	677.72	148.61	1632.27	311.78	-1671.17	-5.22e-04
	2	495.08	209.41	888.55	535.01	-1212.83	-1.11e-03
563	2	526.91	218.40	874.02	557.05	-1312.20	-8.62e-04
	1	693.17	154.14	1703.54	332.14	-1722.49	-3.59e-04
	1	693.17	154.14	1703.54	332.14	-1722.49	-3.59e-04
	2	526.91	218.40	874.02	557.05	-1312.20	-8.62e-04
	1	693.17	154.14	1703.54	332.14	-1722.49	-3.59e-04
	2	526.91	218.40	874.02	557.05	-1312.20	-8.62e-04
600	2	369.16	167.15	358.39	434.91	-893.14	-8.22e-03
	1	602.34	123.75	1213.00	246.47	-1476.13	-5.42e-03
	1	602.34	123.75	1213.00	246.47	-1476.13	-5.42e-03
	2	369.16	167.15	358.39	434.91	-893.14	-8.22e-03
	1	602.34	123.75	1213.00	246.47	-1476.13	-5.42e-03
	2	369.16	167.15	358.39	434.91	-893.14	-8.22e-03
609	1	603.37	97.69	-3229.54	166.91	-1511.22	-2.15e-03
	2	368.06	126.62	-2379.18	306.06	-929.10	-3.16e-03
	1	603.37	97.69	-3229.54	166.91	-1511.22	-2.15e-03
	2	368.06	126.62	-2379.18	306.06	-929.10	-3.16e-03
	1	603.37	97.69	-3229.54	166.91	-1511.22	-2.15e-03
	2	368.06	126.62	-2379.18	306.06	-929.10	-3.16e-03
613	1	625.19	105.86	-3318.87	186.24	-1567.58	-1.53e-03

	2	400.53	138.26	-2507.24	333.33	-1010.11	-2.35e-03
	1	625.19	105.86	-3318.87	186.24	-1567.58	-1.53e-03
	2	400.53	138.26	-2507.24	333.33	-1010.11	-2.35e-03
	1	625.19	105.86	-3318.87	186.24	-1567.58	-1.53e-03
614	2	400.53	138.26	-2507.24	333.33	-1010.11	-2.35e-03
	1	645.20	114.18	-3412.43	208.23	-1617.81	-9.10e-04
	2	432.23	150.21	-2647.41	362.74	-1087.69	-1.47e-03
	1	645.20	114.18	-3412.43	208.23	-1617.81	-9.10e-04
	2	432.23	150.21	-2647.41	362.74	-1087.69	-1.47e-03
	1	645.20	114.18	-3412.43	208.23	-1617.81	-9.10e-04
	2	432.23	150.21	-2647.41	362.74	-1087.69	-1.47e-03
615	1	662.26	122.52	-3493.18	231.12	-1654.21	-8.11e-04
	2	462.28	162.55	-2778.71	394.45	-1157.09	-1.39e-03
	1	662.26	122.52	-3493.18	231.12	-1654.21	-8.11e-04
	2	462.28	162.55	-2778.71	394.45	-1157.09	-1.39e-03
	1	662.26	122.52	-3493.18	231.12	-1654.21	-8.11e-04
	2	462.28	162.55	-2778.71	394.45	-1157.09	-1.39e-03
616	1	677.34	132.80	-3483.09	268.44	-1687.22	-6.99e-04
	2	491.75	176.46	-2849.26	437.46	-1228.96	-1.31e-03
	1	677.34	132.80	-3483.09	268.44	-1687.22	-6.99e-04
	2	491.75	176.46	-2849.26	437.46	-1228.96	-1.31e-03
	1	677.34	132.80	-3483.09	268.44	-1687.22	-6.99e-04
	2	491.75	176.46	-2849.26	437.46	-1228.96	-1.31e-03
617	1	689.47	139.56	-3406.53	291.19	-1720.25	-7.37e-04
	2	516.91	186.78	-2874.60	467.31	-1298.09	-1.56e-03
	1	689.47	139.56	-3406.53	291.19	-1720.25	-7.37e-04
	2	516.91	186.78	-2874.60	467.31	-1298.09	-1.56e-03
	1	689.47	139.56	-3406.53	291.19	-1720.25	-7.37e-04
	2	516.91	186.78	-2874.60	467.31	-1298.09	-1.56e-03
618	1	703.20	151.25	-3182.06	346.50	-1764.06	-8.00e-04
	2	547.32	201.99	-2822.37	525.57	-1391.55	-1.95e-03
	1	703.20	151.25	-3182.06	346.50	-1764.06	-8.00e-04
	2	547.32	201.99	-2822.37	525.57	-1391.55	-1.95e-03
	1	703.20	151.25	-3182.06	346.50	-1764.06	-8.00e-04
	2	547.32	201.99	-2822.37	525.57	-1391.55	-1.95e-03
621	1	491.53	70.96	-3621.02	141.64	-1192.63	-1.70e-03
	2	223.79	84.98	-2418.82	228.52	-530.22	-2.06e-03
	1	491.53	70.96	-3621.02	141.64	-1192.63	-1.70e-03
	2	223.79	84.98	-2418.82	228.52	-530.22	-2.06e-03
	1	491.53	70.96	-3621.02	141.64	-1192.63	-1.70e-03
	2	223.79	84.98	-2418.82	228.52	-530.22	-2.06e-03
622	1	525.02	75.30	-3270.72	131.35	-1298.58	-1.33e-03
	2	263.89	93.88	-2227.93	238.54	-653.71	-1.67e-03
	1	525.02	75.30	-3270.72	131.35	-1298.58	-1.33e-03
	2	263.89	93.88	-2227.93	238.54	-653.71	-1.67e-03
	1	525.02	75.30	-3270.72	131.35	-1298.58	-1.33e-03
	2	263.89	93.88	-2227.93	238.54	-653.71	-1.67e-03
623	1	553.57	81.64	-3158.14	134.86	-1378.60	-1.25e-03
	2	300.19	103.96	-2211.12	255.81	-753.86	-1.65e-03
	1	553.57	81.64	-3158.14	134.86	-1378.60	-1.25e-03
	2	300.19	103.96	-2211.12	255.81	-753.86	-1.65e-03
	1	553.57	81.64	-3158.14	134.86	-1378.60	-1.25e-03
	2	300.19	103.96	-2211.12	255.81	-753.86	-1.65e-03
624	1	579.43	89.56	-3166.53	149.37	-1447.67	-1.22e-03
	2	334.53	115.34	-2276.82	281.14	-843.07	-1.70e-03
	1	579.43	89.56	-3166.53	149.37	-1447.67	-1.22e-03
	2	334.53	115.34	-2276.82	281.14	-843.07	-1.70e-03
	1	579.43	89.56	-3166.53	149.37	-1447.67	-1.22e-03
	2	334.53	115.34	-2276.82	281.14	-843.07	-1.70e-03
672	2	-68.22	159.70	-939.28	461.20	200.49	-7.28e-03
	1	316.86	107.80	-21.74	254.76	-740.77	-7.86e-03
	1	316.86	107.80	-21.74	254.76	-740.77	-7.86e-03
	2	-68.22	159.70	-939.28	461.20	200.49	-7.28e-03
	1	316.86	107.80	-21.74	254.76	-740.77	-7.86e-03
	2	-68.22	159.70	-939.28	461.20	200.49	-7.28e-03
686	1	312.69	66.67	-1753.54	135.14	-760.88	-3.01e-03
	2	-72.07	122.10	-826.30	352.72	182.08	-2.74e-03
	1	312.69	66.67	-1753.54	135.14	-760.88	-3.01e-03
	2	-72.07	122.10	-826.30	352.72	182.08	-2.74e-03
	1	312.69	66.67	-1753.54	135.14	-760.88	-3.01e-03
	2	-72.07	122.10	-826.30	352.72	182.08	-2.74e-03
690	1	347.83	78.53	-1874.10	159.05	-846.16	-2.24e-03

	2	-39.23	132.65	-922.59	374.62	102.27	-2.09e-03
	1	347.83	78.53	-1874.10	159.05	-846.16	-2.24e-03
	2	-39.23	132.65	-922.59	374.62	102.27	-2.09e-03
	1	347.83	78.53	-1874.10	159.05	-846.16	-2.24e-03
	2	-39.23	132.65	-922.59	374.62	102.27	-2.09e-03
691	1	381.09	92.09	-1998.39	193.93	-923.60	-1.37e-03
	2	-6.24	144.88	-1029.51	405.00	24.82	-1.37e-03
	1	381.09	92.09	-1998.39	193.93	-923.60	-1.37e-03
	2	-6.24	144.88	-1029.51	405.00	24.82	-1.37e-03
	1	381.09	92.09	-1998.39	193.93	-923.60	-1.37e-03
	2	-6.24	144.88	-1029.51	405.00	24.82	-1.37e-03
692	1	412.41	105.50	-2084.03	228.95	-994.86	-1.26e-03
	2	27.00	157.74	-1105.40	438.02	-53.03	-1.33e-03
	1	412.41	105.50	-2084.03	228.95	-994.86	-1.26e-03
	2	27.00	157.74	-1105.40	438.02	-53.03	-1.33e-03
	1	412.41	105.50	-2084.03	228.95	-994.86	-1.26e-03
	2	27.00	157.74	-1105.40	438.02	-53.03	-1.33e-03
693	1	442.29	118.93	-2121.14	266.27	-1065.47	-1.18e-03
	2	61.22	170.22	-1164.76	468.38	-138.08	-1.32e-03
	1	442.29	118.93	-2121.14	266.27	-1065.47	-1.18e-03
	2	61.22	170.22	-1164.76	468.38	-138.08	-1.32e-03
	1	442.29	118.93	-2121.14	266.27	-1065.47	-1.18e-03
	2	61.22	170.22	-1164.76	468.38	-138.08	-1.32e-03
694	1	467.23	128.33	-2150.27	289.09	-1132.40	-1.32e-03
	2	91.59	178.18	-1283.34	479.22	-222.04	-1.61e-03
	1	467.23	128.33	-2150.27	289.09	-1132.40	-1.32e-03
	2	91.59	178.18	-1283.34	479.22	-222.04	-1.61e-03
	1	467.23	128.33	-2150.27	289.09	-1132.40	-1.32e-03
	2	91.59	178.18	-1283.34	479.22	-222.04	-1.61e-03
695	1	496.71	141.34	-2168.86	333.81	-1222.89	-1.66e-03
	2	129.35	188.12	-1572.62	497.88	-338.72	-2.12e-03
	1	496.71	141.34	-2168.86	333.81	-1222.89	-1.66e-03
	2	129.35	188.12	-1572.62	497.88	-338.72	-2.12e-03
	1	496.71	141.34	-2168.86	333.81	-1222.89	-1.66e-03
	2	129.35	188.12	-1572.62	497.88	-338.72	-2.12e-03
698	1	389.35	-245.78	-1379.75	-804.32	-934.67	-2.09e-03
	2	-395.64	1020.52	-206.42	3079.67	1254.30	-2.06e-03
	1	389.35	-245.78	-1379.75	-804.32	-934.67	-2.09e-03
	2	-395.64	1020.52	-206.42	3079.67	1254.30	-2.06e-03
	1	389.35	-245.78	-1379.75	-804.32	-934.67	-2.09e-03
	2	-395.64	1020.52	-206.42	3079.67	1254.30	-2.06e-03
699	1	433.79	-238.93	-875.30	-804.06	-1086.23	-1.70e-03
	2	-360.24	1045.90	-789.88	3190.59	1158.20	-1.72e-03
	1	433.79	-238.93	-875.30	-804.06	-1086.23	-1.70e-03
	2	-360.24	1045.90	-789.88	3190.59	1158.20	-1.72e-03
	1	433.79	-238.93	-875.30	-804.06	-1086.23	-1.70e-03
	2	-360.24	1045.90	-789.88	3190.59	1158.20	-1.72e-03
700	2	-327.43	1063.95	-1071.84	3254.37	1077.73	-1.70e-03
	1	473.78	-229.28	-577.40	-783.12	-1212.30	-1.63e-03
	1	473.78	-229.28	-577.40	-783.12	-1212.30	-1.63e-03
	2	-327.43	1063.95	-1071.84	3254.37	1077.73	-1.70e-03
	1	473.78	-229.28	-577.40	-783.12	-1212.30	-1.63e-03
	2	-327.43	1063.95	-1071.84	3254.37	1077.73	-1.70e-03
701	2	-294.88	1080.67	-1171.30	3310.39	998.57	-1.72e-03
	1	509.94	-219.67	-376.39	-760.76	-1318.63	-1.59e-03
	1	509.94	-219.67	-376.39	-760.76	-1318.63	-1.59e-03
	2	-294.88	1080.67	-1171.30	3310.39	998.57	-1.72e-03
	1	509.94	-219.67	-376.39	-760.76	-1318.63	-1.59e-03
	2	-294.88	1080.67	-1171.30	3310.39	998.57	-1.72e-03
702	2	-261.55	1094.86	-1147.88	3351.48	915.00	-2.99e-03
	1	543.44	-210.11	-233.82	-738.09	-1412.50	-2.67e-03
	1	543.44	-210.11	-233.82	-738.09	-1412.50	-2.67e-03
	2	-261.55	1094.86	-1147.88	3351.48	915.00	-2.99e-03
	1	543.44	-210.11	-233.82	-738.09	-1412.50	-2.67e-03
	2	-261.55	1094.86	-1147.88	3351.48	915.00	-2.99e-03
706	2	-191.56	1121.45	-957.72	3424.52	732.38	-1.62e-03
	1	606.31	-190.03	-54.35	-687.50	-1582.30	-1.34e-03
	1	606.31	-190.03	-54.35	-687.50	-1582.30	-1.34e-03
	2	-191.56	1121.45	-957.72	3424.52	732.38	-1.62e-03
	1	606.31	-190.03	-54.35	-687.50	-1582.30	-1.34e-03
	2	-191.56	1121.45	-957.72	3424.52	732.38	-1.62e-03
707	2	-153.25	1132.16	-899.74	3444.78	626.49	-1.50e-03

	1	636.57	-178.22	33.24	-652.35	-1662.66	-1.18e-03
	1	636.57	-178.22	33.24	-652.35	-1662.66	-1.18e-03
	2	-153.25	1132.16	-899.74	3444.78	626.49	-1.50e-03
	1	636.57	-178.22	33.24	-652.35	-1662.66	-1.18e-03
	2	-153.25	1132.16	-899.74	3444.78	626.49	-1.50e-03
708	2	-112.82	1140.40	-1016.61	3449.20	513.48	-1.55e-03
	1	667.34	-165.28	182.71	-610.98	-1747.17	-1.18e-03
	1	667.34	-165.28	182.71	-610.98	-1747.17	-1.18e-03
	2	-112.82	1140.40	-1016.61	3449.20	513.48	-1.55e-03
	1	667.34	-165.28	182.71	-610.98	-1747.17	-1.18e-03
	2	-112.82	1140.40	-1016.61	3449.20	513.48	-1.55e-03
709	2	-69.58	1146.12	-1400.87	3436.84	388.34	-1.61e-03
	1	699.61	-152.43	395.15	-570.88	-1840.98	-1.19e-03
	1	699.61	-152.43	395.15	-570.88	-1840.98	-1.19e-03
	2	-69.58	1146.12	-1400.87	3436.84	388.34	-1.61e-03
	1	699.61	-152.43	395.15	-570.88	-1840.98	-1.19e-03
	2	-69.58	1146.12	-1400.87	3436.84	388.34	-1.61e-03
710	2	-19.51	1149.51	-2195.51	3407.23	224.29	-1.33e-03
	1	730.87	-138.13	645.07	-521.84	-1927.44	-9.63e-04
	1	730.87	-138.13	645.07	-521.84	-1927.44	-9.63e-04
	2	-19.51	1149.51	-2195.51	3407.23	224.29	-1.33e-03
	1	730.87	-138.13	645.07	-521.84	-1927.44	-9.63e-04
	2	-19.51	1149.51	-2195.51	3407.23	224.29	-1.33e-03
746	2	-226.65	1107.35	-1062.57	3382.94	822.60	-8.54e-03
	1	574.62	-199.85	-133.06	-710.94	-1495.16	-7.47e-03
	1	574.62	-199.85	-133.06	-710.94	-1495.16	-7.47e-03
	2	-226.65	1107.35	-1062.57	3382.94	822.60	-8.54e-03
	1	574.62	-199.85	-133.06	-710.94	-1495.16	-7.47e-03
	2	-226.65	1107.35	-1062.57	3382.94	822.60	-8.54e-03
755	1	579.50	-232.81	-3171.08	-805.37	-1564.93	-2.86e-03
	2	-223.02	1067.79	-2215.05	3264.87	755.44	-3.25e-03
	1	579.50	-232.81	-3171.08	-805.37	-1564.93	-2.86e-03
	2	-223.02	1067.79	-2215.05	3264.87	755.44	-3.25e-03
	1	579.50	-232.81	-3171.08	-805.37	-1564.93	-2.86e-03
	2	-223.02	1067.79	-2215.05	3264.87	755.44	-3.25e-03
759	1	610.65	-223.79	-3249.50	-787.93	-1648.39	-2.13e-03
	2	-188.12	1081.18	-2307.16	3303.88	665.06	-2.46e-03
	1	610.65	-223.79	-3249.50	-787.93	-1648.39	-2.13e-03
	2	-188.12	1081.18	-2307.16	3303.88	665.06	-2.46e-03
	1	610.65	-223.79	-3249.50	-787.93	-1648.39	-2.13e-03
	2	-188.12	1081.18	-2307.16	3303.88	665.06	-2.46e-03
760	1	641.09	-212.43	-3349.60	-755.99	-1729.23	-1.33e-03
	2	-151.03	1093.50	-2404.08	3337.34	565.09	-1.61e-03
	1	641.09	-212.43	-3349.60	-755.99	-1729.23	-1.33e-03
	2	-151.03	1093.50	-2404.08	3337.34	565.09	-1.61e-03
	1	641.09	-212.43	-3349.60	-755.99	-1729.23	-1.33e-03
	2	-151.03	1093.50	-2404.08	3337.34	565.09	-1.61e-03
761	1	670.59	-199.45	-3385.65	-714.22	-1805.50	-1.28e-03
	2	-110.28	1102.57	-2574.07	3350.97	447.85	-1.62e-03
	1	670.59	-199.45	-3385.65	-714.22	-1805.50	-1.28e-03
	2	-110.28	1102.57	-2574.07	3350.97	447.85	-1.62e-03
	1	670.59	-199.45	-3385.65	-714.22	-1805.50	-1.28e-03
	2	-110.28	1102.57	-2574.07	3350.97	447.85	-1.62e-03
762	1	700.51	-185.47	-3315.79	-666.46	-1884.76	-1.29e-03
	2	-65.05	1112.13	-2906.00	3367.44	308.35	-1.69e-03
	1	700.51	-185.47	-3315.79	-666.46	-1884.76	-1.29e-03
	2	-65.05	1112.13	-2906.00	3367.44	308.35	-1.69e-03
	1	700.51	-185.47	-3315.79	-666.46	-1884.76	-1.29e-03
	2	-65.05	1112.13	-2906.00	3367.44	308.35	-1.69e-03
763	2	-24.59	1117.10	-3427.90	3360.25	180.38	-2.24e-03
	1	726.78	-175.90	-3203.89	-640.48	-1957.17	-1.67e-03
	1	726.78	-175.90	-3203.89	-640.48	-1957.17	-1.67e-03
	2	-24.59	1117.10	-3427.90	3360.25	180.38	-2.24e-03
	1	726.78	-175.90	-3203.89	-640.48	-1957.17	-1.67e-03
	2	-24.59	1117.10	-3427.90	3360.25	180.38	-2.24e-03
764	2	26.45	1121.65	-4346.03	3339.52	10.07	-3.02e-03
	1	758.08	-156.16	-2956.62	-556.60	-2044.49	-2.18e-03
	1	758.08	-156.16	-2956.62	-556.60	-2044.49	-2.18e-03
	2	26.45	1121.65	-4346.03	3339.52	10.07	-3.02e-03
	1	758.08	-156.16	-2956.62	-556.60	-2044.49	-2.18e-03
	2	26.45	1121.65	-4346.03	3339.52	10.07	-3.02e-03
767	1	434.68	-266.55	-3785.00	-851.50	-1136.20	-2.04e-03

	2	-363.44	1002.05	-943.99	3045.91	1134.12	-2.03e-03
	1	434.68	-266.55	-3785.00	-851.50	-1136.20	-2.04e-03
	2	-363.44	1002.05	-943.99	3045.91	1134.12	-2.03e-03
	1	434.68	-266.55	-3785.00	-851.50	-1136.20	-2.04e-03
768	2	-363.44	1002.05	-943.99	3045.91	1134.12	-2.03e-03
	1	477.50	-260.44	-3363.41	-856.89	-1278.93	-1.61e-03
	2	-328.27	1021.27	-1489.40	3117.64	1039.19	-1.66e-03
	1	477.50	-260.44	-3363.41	-856.89	-1278.93	-1.61e-03
	2	-328.27	1021.27	-1489.40	3117.64	1039.19	-1.66e-03
	1	477.50	-260.44	-3363.41	-856.89	-1278.93	-1.61e-03
	2	-328.27	1021.27	-1489.40	3117.64	1039.19	-1.66e-03
769	1	513.93	-252.05	-3191.97	-846.13	-1385.36	-1.55e-03
	2	-292.92	1039.11	-1854.41	3180.13	942.57	-1.65e-03
	1	513.93	-252.05	-3191.97	-846.13	-1385.36	-1.55e-03
	2	-292.92	1039.11	-1854.41	3180.13	942.57	-1.65e-03
	1	513.93	-252.05	-3191.97	-846.13	-1385.36	-1.55e-03
	2	-292.92	1039.11	-1854.41	3180.13	942.57	-1.65e-03
770	1	547.59	-242.72	-3145.31	-828.16	-1478.70	-1.56e-03
	2	-258.38	1055.49	-2080.98	3234.41	851.19	-1.71e-03
	1	547.59	-242.72	-3145.31	-828.16	-1478.70	-1.56e-03
	2	-258.38	1055.49	-2080.98	3234.41	851.19	-1.71e-03
	1	547.59	-242.72	-3145.31	-828.16	-1478.70	-1.56e-03
	2	-258.38	1055.49	-2080.98	3234.41	851.19	-1.71e-03
784	1	158.25	21.33	-1790.65	55.18	-351.80	-1.99e-03
	2	-198.13	81.92	-659.01	261.75	510.82	-1.48e-03
	1	158.25	21.33	-1790.65	55.18	-351.80	-1.99e-03
	2	-198.13	81.92	-659.01	261.75	510.82	-1.48e-03
	1	158.25	21.33	-1790.65	55.18	-351.80	-1.99e-03
	2	-198.13	81.92	-659.01	261.75	510.82	-1.48e-03
785	1	201.16	29.27	-1575.76	53.90	-477.81	-1.61e-03
	2	-165.76	90.91	-636.06	280.21	416.27	-1.26e-03
	1	201.16	29.27	-1575.76	53.90	-477.81	-1.61e-03
	2	-165.76	90.91	-636.06	280.21	416.27	-1.26e-03
	1	201.16	29.27	-1575.76	53.90	-477.81	-1.61e-03
	2	-165.76	90.91	-636.06	280.21	416.27	-1.26e-03
786	1	240.27	40.32	-1588.84	71.98	-582.19	-1.58e-03
	2	-134.59	100.68	-689.46	302.21	334.13	-1.30e-03
	1	240.27	40.32	-1588.84	71.98	-582.19	-1.58e-03
	2	-134.59	100.68	-689.46	302.21	334.13	-1.30e-03
	1	240.27	40.32	-1588.84	71.98	-582.19	-1.58e-03
	2	-134.59	100.68	-689.46	302.21	334.13	-1.30e-03
803	1	277.14	53.56	-1672.55	103.63	-674.55	-1.62e-03
	2	-103.67	111.46	-761.29	328.65	258.14	-1.41e-03
	1	277.14	53.56	-1672.55	103.63	-674.55	-1.62e-03
	2	-103.67	111.46	-761.29	328.65	258.14	-1.41e-03
	1	277.14	53.56	-1672.55	103.63	-674.55	-1.62e-03
	2	-103.67	111.46	-761.29	328.65	258.14	-1.41e-03
843	2	-224.22	98.48	-1233.53	295.26	604.02	-1.50e-03
	1	122.38	47.07	-753.65	123.14	-221.63	-2.02e-03
	1	122.38	47.07	-753.65	123.14	-221.63	-2.02e-03
	2	-224.22	98.48	-1233.53	295.26	604.02	-1.50e-03
	1	122.38	47.07	-753.65	123.14	-221.63	-2.02e-03
	2	-224.22	98.48	-1233.53	295.26	604.02	-1.50e-03
844	2	-192.04	111.26	-1228.97	335.66	508.67	-1.27e-03
	1	167.09	57.83	-417.01	139.73	-358.29	-1.67e-03
	1	167.09	57.83	-417.01	139.73	-358.29	-1.67e-03
	2	-192.04	111.26	-1228.97	335.66	508.67	-1.27e-03
	1	167.09	57.83	-417.01	139.73	-358.29	-1.67e-03
	2	-192.04	111.26	-1228.97	335.66	508.67	-1.27e-03
845	2	-161.48	123.68	-1194.37	371.48	427.41	-1.32e-03
	1	207.86	69.10	-270.99	160.18	-471.62	-1.64e-03
	1	207.86	69.10	-270.99	160.18	-471.62	-1.64e-03
	2	-161.48	123.68	-1194.37	371.48	427.41	-1.32e-03
	1	207.86	69.10	-270.99	160.18	-471.62	-1.64e-03
	2	-161.48	123.68	-1194.37	371.48	427.41	-1.32e-03
846	2	-131.29	136.00	-1128.35	404.73	353.07	-1.39e-03
	1	245.58	82.15	-194.88	191.98	-567.97	-1.64e-03
	1	245.58	82.15	-194.88	191.98	-567.97	-1.64e-03
	2	-131.29	136.00	-1128.35	404.73	353.07	-1.39e-03
	1	245.58	82.15	-194.88	191.98	-567.97	-1.64e-03
	2	-131.29	136.00	-1128.35	404.73	353.07	-1.39e-03
847	2	-100.45	148.33	-1034.64	436.53	279.03	-2.50e-03

	1	281.65	95.52	-111.12	226.28	-656.14	-2.79e-03
	1	281.65	95.52	-111.12	226.28	-656.14	-2.79e-03
	2	-100.45	148.33	-1034.64	436.53	279.03	-2.50e-03
	1	281.65	95.52	-111.12	226.28	-656.14	-2.79e-03
	2	-100.45	148.33	-1034.64	436.53	279.03	-2.50e-03
851	2	-36.04	172.51	-857.22	493.66	126.25	-1.37e-03
	1	351.24	120.24	63.68	285.47	-822.12	-1.37e-03
	1	351.24	120.24	63.68	285.47	-822.12	-1.37e-03
	2	-36.04	172.51	-857.22	493.66	126.25	-1.37e-03
	1	351.24	120.24	63.68	285.47	-822.12	-1.37e-03
	2	-36.04	172.51	-857.22	493.66	126.25	-1.37e-03
852	2	-2.94	185.50	-746.35	527.06	48.85	-1.23e-03
	1	383.86	132.20	172.69	315.72	-897.33	-1.16e-03
	1	383.86	132.20	172.69	315.72	-897.33	-1.16e-03
	2	-2.94	185.50	-746.35	527.06	48.85	-1.23e-03
	1	383.86	132.20	172.69	315.72	-897.33	-1.16e-03
	2	-2.94	185.50	-746.35	527.06	48.85	-1.23e-03
853	2	30.98	197.22	-621.68	553.76	-33.24	-1.20e-03
	1	415.30	142.75	309.26	340.87	-971.74	-1.07e-03
	1	415.30	142.75	309.26	340.87	-971.74	-1.07e-03
	2	30.98	197.22	-621.68	553.76	-33.24	-1.20e-03
	1	415.30	142.75	309.26	340.87	-971.74	-1.07e-03
	2	30.98	197.22	-621.68	553.76	-33.24	-1.20e-03
854	2	67.03	204.74	-592.13	557.00	-131.22	-1.15e-03
	1	447.42	149.37	392.18	346.48	-1060.66	-9.36e-04
	1	447.42	149.37	392.18	346.48	-1060.66	-9.36e-04
	2	67.03	204.74	-592.13	557.00	-131.22	-1.15e-03
	1	447.42	149.37	392.18	346.48	-1060.66	-9.36e-04
	2	67.03	204.74	-592.13	557.00	-131.22	-1.15e-03
855	2	104.31	209.78	-860.05	546.98	-242.57	-9.28e-04
	1	477.85	155.61	270.82	353.54	-1152.86	-7.28e-04
	1	477.85	155.61	270.82	353.54	-1152.86	-7.28e-04
	2	104.31	209.78	-860.05	546.98	-242.57	-9.28e-04
	1	477.85	155.61	270.82	353.54	-1152.86	-7.28e-04
	2	104.31	209.78	-860.05	546.98	-242.57	-9.28e-04

13. RISULTATI OPERE DI FONDAZIONE

13.1 LEGENDA RISULTATI OPERE DI FONDAZIONE

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alle tabelle sottoriportate.

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.

Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (espresse nel riferimento globale della struttura) per ogni palo componente l'opera.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	codice corrispondente al nome assegnato al tipo di plinto di fondazione: 3) palo singolo (<i>PALO</i>) 4) plinto su palo 5) plinto su due pali (<i>PL.2P</i>) 6) plinto su tre pali (<i>PL.3P</i>) 7) plinto su quattro pali (<i>PL.4P</i>) 8) plinto rettangolare su cinque pali (<i>PL.5P.R</i>) 9) plinto pentagonale su cinque pali (<i>PL.5P</i>) 10) plinto su sei pali (<i>PL.6P</i>)
Palo	numero del palo
Comb.	combinazione di carico in cui si verificano le sei componenti di sollecitazione.
Quota	quota assoluta della sezione del palo per cui si riportano le sei componenti di sollecitazione.

L'azione F_z (corrispondente allo sforzo normale nel palo) è costante poiché il peso del palo stesso non è considerato nella modellazione.

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	Codice identificativo del nome assegnato al plinto
area	area dell'impronta del plinto
Wink O Wink V	coefficienti di Winkler (orizzontale e verticale) adottati
Comb	Combinazione di carico in cui si verificano i valori riportati
Pt (P1 P2 P3 P4)	valori di pressione nei vertici

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.

Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

Nodo	Tipo	Palo	Cmb	Quota m	Fx kN	Fy kN	Fz kN	Mx kN m	My kN m	Mz kN m
550	PALO D 120.00	1	1	-195.00	457.82	90.41	132.54	-195.07	-1050.21	-1.75e-03
		1	2	-195.00	187.52	108.16	-522.43	-290.11	-386.19	-2.10e-03
551	PALO D 120.00	1	1	-195.00	493.84	96.61	622.87	-198.01	-1170.26	-1.40e-03
		1	2	-195.00	229.00	120.55	-242.01	-322.15	-518.44	-1.73e-03
552	PALO D 120.00	1	1	-195.00	525.83	102.97	910.39	-204.75	-1268.36	-1.33e-03
		1	2	-195.00	266.98	132.49	-36.08	-351.75	-628.56	-1.71e-03
553	PALO D 120.00	1	1	-195.00	554.06	109.89	1070.25	-216.83	-1348.40	-1.27e-03
		1	2	-195.00	302.39	144.22	120.63	-380.25	-723.44	-1.72e-03
555	PALO D 120.00	1	1	-195.00	579.48	116.65	1163.70	-229.66	-1417.05	-2.03e-03
		1	2	-195.00	336.39	155.57	250.41	-406.64	-811.22	-2.93e-03
559	PALO D 120.00	1	1	-195.00	624.11	131.69	1267.12	-269.83	-1533.89	-9.12e-04
		1	2	-195.00	401.52	179.56	473.61	-468.62	-973.73	-1.47e-03
560	PALO D 120.00	1	1	-195.00	642.58	139.21	1370.92	-291.89	-1575.34	-7.39e-04
		1	2	-195.00	432.33	191.36	624.30	-499.35	-1045.87	-1.27e-03
561	PALO D 120.00	1	1	-195.00	659.95	144.72	1510.06	-304.73	-1616.59	-6.30e-04
		1	2	-195.00	463.05	201.35	784.29	-521.42	-1121.27	-1.19e-03
562	PALO D 120.00	1	1	-195.00	677.72	148.61	1632.27	-311.78	-1671.17	-5.22e-04
		1	2	-195.00	495.08	209.41	888.55	-535.01	-1212.83	-1.11e-03
563	PALO D 120.00	1	1	-195.00	693.17	154.14	1703.54	-332.14	-1722.49	-3.59e-04
		1	2	-195.00	526.91	218.40	874.02	-557.05	-1312.20	-8.62e-04
600	PALO D 120.00	1	1	-195.00	602.34	123.75	1213.00	-246.47	-1476.13	-5.42e-03
		1	2	-195.00	369.16	167.15	358.39	-434.91	-893.14	-8.22e-03
609	PALO D 120.00	1	1	-195.00	603.37	97.69	-3229.54	-166.91	-1511.22	-2.15e-03
		1	2	-195.00	368.06	126.62	-2379.18	-306.06	-929.10	-3.16e-03
613	PALO D 120.00	1	1	-195.00	625.19	105.86	-3318.87	-186.24	-1567.58	-1.53e-03
		1	2	-195.00	400.53	138.26	-2507.24	-333.33	-1010.11	-2.35e-03
614	PALO D 120.00	1	1	-195.00	645.20	114.18	-3412.43	-208.23	-1617.81	-9.10e-04
		1	2	-195.00	432.23	150.21	-2647.41	-362.74	-1087.69	-1.47e-03
615	PALO D 120.00	1	1	-195.00	662.26	122.52	-3493.18	-231.12	-1654.21	-8.11e-04
		1	2	-195.00	462.28	162.55	-2778.71	-394.45	-1157.09	-1.39e-03
616	PALO D 120.00	1	1	-195.00	677.34	132.80	-3483.09	-268.44	-1687.22	-6.99e-04
		1	2	-195.00	491.75	176.46	-2849.26	-437.46	-1228.96	-1.31e-03
617	PALO D 120.00	1	1	-195.00	689.47	139.56	-3406.53	-291.19	-1720.25	-7.37e-04
		1	2	-195.00	516.91	186.78	-2874.60	-467.31	-1298.09	-1.56e-03
618	PALO D 120.00	1	1	-195.00	703.20	151.25	-3182.06	-346.50	-1764.06	-8.00e-04
		1	2	-195.00	547.32	201.99	-2822.37	-525.57	-1391.55	-1.95e-03
621	PALO D 120.00	1	1	-195.00	491.53	70.96	-3621.02	-141.64	-1192.63	-1.70e-03
		1	2	-195.00	223.79	84.98	-2418.82	-228.52	-530.22	-2.06e-03
622	PALO D 120.00	1	1	-195.00	525.02	75.30	-3270.72	-131.35	-1298.58	-1.33e-03
		1	2	-195.00	263.89	93.88	-2227.93	-238.54	-653.71	-1.67e-03
623	PALO D 120.00	1	1	-195.00	553.57	81.64	-3158.14	-134.86	-1378.60	-1.25e-03
		1	2	-195.00	300.19	103.96	-2211.12	-255.81	-753.86	-1.65e-03
624	PALO D 120.00	1	1	-195.00	579.43	89.56	-3166.53	-149.37	-1447.67	-1.22e-03
		1	2	-195.00	334.53	115.34	-2276.82	-281.14	-843.07	-1.70e-03
672	PALO D 120.00	1	1	0.0	316.86	107.80	-21.74	-254.76	-740.77	-7.86e-03
		1	2	0.0	-68.22	159.70	-939.28	-461.20	200.49	-7.28e-03
686	PALO D 120.00	1	1	0.0	312.69	66.67	-1753.54	-135.14	-760.88	-3.01e-03
		1	2	0.0	-72.07	122.10	-826.30	-352.72	182.08	-2.74e-03
690	PALO D 120.00	1	1	0.0	347.83	78.53	-1874.10	-159.05	-846.16	-2.24e-03
		1	2	0.0	-39.23	132.65	-922.59	-374.62	102.27	-2.09e-03
691	PALO D 120.00	1	1	0.0	381.09	92.09	-1998.39	-193.93	-923.60	-1.37e-03
		1	2	0.0	-6.24	144.88	-1029.51	-405.00	24.82	-1.37e-03
692	PALO D 120.00	1	1	0.0	412.41	105.50	-2084.03	-228.95	-994.86	-1.26e-03
		1	2	0.0	27.00	157.74	-1105.40	-438.02	-53.03	-1.33e-03
693	PALO D 120.00	1	1	0.0	442.29	118.93	-2121.14	-266.27	-1065.47	-1.18e-03
		1	2	0.0	61.22	170.22	-1164.76	-468.38	-138.08	-1.32e-03
694	PALO D 120.00	1	1	0.0	467.23	128.33	-2150.27	-289.09	-1132.40	-1.32e-03
		1	2	0.0	91.59	178.18	-1283.34	-479.22	-222.04	-1.61e-03
695	PALO D 120.00	1	1	0.0	496.71	141.34	-2168.86	-333.81	-1222.89	-1.66e-03
		1	2	0.0	129.35	188.12	-1572.62	-497.88	-338.72	-2.12e-03
698	PALO D 120.00	1	1	-195.00	389.35	-245.78	-1379.75	804.32	-934.67	-2.09e-03
		1	2	-195.00	-395.64	1020.52	-206.42	-3079.67	1254.30	-2.06e-03
699	PALO D 120.00	1	1	-195.00	433.79	-238.93	-875.30	804.06	-1086.23	-1.70e-03
		1	2	-195.00	-360.24	1045.90	-789.88	-3190.59	1158.20	-1.72e-03
700	PALO D 120.00	1	1	-195.00	473.78	-229.28	-577.40	783.12	-1212.30	-1.63e-03
		1	2	-195.00	-327.43	1063.95	-1071.84	-3254.37	1077.73	-1.70e-03

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
701	PALO D 120.00	1	1	-195.00	509.94	-219.67	-376.39	760.76	-1318.63	-1.59e-03
		1	2	-195.00	-294.88	1080.67	-1171.30	-3310.39	998.57	-1.72e-03
702	PALO D 120.00	1	1	-195.00	543.44	-210.11	-233.82	738.09	-1412.50	-2.67e-03
		1	2	-195.00	-261.55	1094.86	-1147.88	-3351.48	915.00	-2.99e-03
706	PALO D 120.00	1	1	-195.00	606.31	-190.03	-54.35	687.50	-1582.30	-1.34e-03
		1	2	-195.00	-191.56	1121.45	-957.72	-3424.52	732.38	-1.62e-03
707	PALO D 120.00	1	1	-195.00	636.57	-178.22	33.24	652.35	-1662.66	-1.18e-03
		1	2	-195.00	-153.25	1132.16	-899.74	-3444.78	626.49	-1.50e-03
708	PALO D 120.00	1	1	-195.00	667.34	-165.28	182.71	610.98	-1747.17	-1.18e-03
		1	2	-195.00	-112.82	1140.40	-1016.61	-3449.20	513.48	-1.55e-03
709	PALO D 120.00	1	1	-195.00	699.61	-152.43	395.15	570.88	-1840.98	-1.19e-03
		1	2	-195.00	-69.58	1146.12	-1400.87	-3436.84	388.34	-1.61e-03
710	PALO D 120.00	1	1	-195.00	730.87	-138.13	645.07	521.84	-1927.44	-9.63e-04
		1	2	-195.00	-19.51	1149.51	-2195.51	-3407.23	224.29	-1.33e-03
746	PALO D 120.00	1	1	-195.00	574.62	-199.85	-133.06	710.94	-1495.16	-7.47e-03
		1	2	-195.00	-226.65	1107.35	-1062.57	-3382.94	822.60	-8.54e-03
755	PALO D 120.00	1	1	-195.00	579.50	-232.81	-3171.08	805.37	-1564.93	-2.86e-03
		1	2	-195.00	-223.02	1067.79	-2215.05	-3264.87	755.44	-3.25e-03
759	PALO D 120.00	1	1	-195.00	610.65	-223.79	-3249.50	787.93	-1648.39	-2.13e-03
		1	2	-195.00	-188.12	1081.18	-2307.16	-3303.88	665.06	-2.46e-03
760	PALO D 120.00	1	1	-195.00	641.09	-212.43	-3349.60	755.99	-1729.23	-1.33e-03
		1	2	-195.00	-151.03	1093.50	-2404.08	-3337.34	565.09	-1.61e-03
761	PALO D 120.00	1	1	-195.00	670.59	-199.45	-3385.65	714.22	-1805.50	-1.28e-03
		1	2	-195.00	-110.28	1102.57	-2574.07	-3350.97	447.85	-1.62e-03
762	PALO D 120.00	1	1	-195.00	700.51	-185.47	-3315.79	666.46	-1884.76	-1.29e-03
		1	2	-195.00	-65.05	1112.13	-2906.00	-3367.44	308.35	-1.69e-03
763	PALO D 120.00	1	1	-195.00	726.78	-175.90	-3203.89	640.48	-1957.17	-1.67e-03
		1	2	-195.00	-24.59	1117.10	-3427.90	-3360.25	180.38	-2.24e-03
764	PALO D 120.00	1	1	-195.00	758.08	-156.16	-2956.62	556.60	-2044.49	-2.18e-03
		1	2	-195.00	26.45	1121.65	-4346.03	-3339.52	10.07	-3.02e-03
767	PALO D 120.00	1	1	-195.00	434.68	-266.55	-3785.00	851.50	-1136.20	-2.04e-03
		1	2	-195.00	-363.44	1002.05	-943.99	-3045.91	1134.12	-2.03e-03
768	PALO D 120.00	1	1	-195.00	477.50	-260.44	-3363.41	856.89	-1278.93	-1.61e-03
		1	2	-195.00	-328.27	1021.27	-1489.40	-3117.64	1039.19	-1.66e-03
769	PALO D 120.00	1	1	-195.00	513.93	-252.05	-3191.97	846.13	-1385.36	-1.55e-03
		1	2	-195.00	-292.92	1039.11	-1854.41	-3180.13	942.57	-1.65e-03
770	PALO D 120.00	1	1	-195.00	547.59	-242.72	-3145.31	828.16	-1478.70	-1.56e-03
		1	2	-195.00	-258.38	1055.49	-2080.98	-3234.41	851.19	-1.71e-03
784	PALO D 120.00	1	1	0.0	158.25	21.33	-1790.65	-55.18	-351.80	-1.99e-03
		1	2	0.0	-198.13	81.92	-659.01	-261.75	510.82	-1.48e-03
785	PALO D 120.00	1	1	0.0	201.16	29.27	-1575.76	-53.90	-477.81	-1.61e-03
		1	2	0.0	-165.76	90.91	-636.06	-280.21	416.27	-1.26e-03
786	PALO D 120.00	1	1	0.0	240.27	40.32	-1588.84	-71.98	-582.19	-1.58e-03
		1	2	0.0	-134.59	100.68	-689.46	-302.21	334.13	-1.30e-03
803	PALO D 120.00	1	1	0.0	277.14	53.56	-1672.55	-103.63	-674.55	-1.62e-03
		1	2	0.0	-103.67	111.46	-761.29	-328.65	258.14	-1.41e-03
843	PALO D 120.00	1	1	0.0	122.38	47.07	-753.65	-123.14	-221.63	-2.02e-03
		1	2	0.0	-224.22	98.48	-1233.53	-295.26	604.02	-1.50e-03
844	PALO D 120.00	1	1	0.0	167.09	57.83	-417.01	-139.73	-358.29	-1.67e-03
		1	2	0.0	-192.04	111.26	-1228.97	-335.66	508.67	-1.27e-03
845	PALO D 120.00	1	1	0.0	207.86	69.10	-270.99	-160.18	-471.62	-1.64e-03
		1	2	0.0	-161.48	123.68	-1194.37	-371.48	427.41	-1.32e-03
846	PALO D 120.00	1	1	0.0	245.58	82.15	-194.88	-191.98	-567.97	-1.64e-03
		1	2	0.0	-131.29	136.00	-1128.35	-404.73	353.07	-1.39e-03
847	PALO D 120.00	1	1	0.0	281.65	95.52	-111.12	-226.28	-656.14	-2.79e-03
		1	2	0.0	-100.45	148.33	-1034.64	-436.53	279.03	-2.50e-03
851	PALO D 120.00	1	1	0.0	351.24	120.24	63.68	-285.47	-822.12	-1.37e-03
		1	2	0.0	-36.04	172.51	-857.22	-493.66	126.25	-1.37e-03
852	PALO D 120.00	1	1	0.0	383.86	132.20	172.69	-315.72	-897.33	-1.16e-03
		1	2	0.0	-2.94	185.50	-746.35	-527.06	48.85	-1.23e-03
853	PALO D 120.00	1	1	0.0	415.30	142.75	309.26	-340.87	-971.74	-1.07e-03
		1	2	0.0	30.98	197.22	-621.68	-553.76	-33.24	-1.20e-03
854	PALO D 120.00	1	1	0.0	447.42	149.37	392.18	-346.48	-1060.66	-9.36e-04
		1	2	0.0	67.03	204.74	-592.13	-557.00	-131.22	-1.15e-03
855	PALO D 120.00	1	1	0.0	477.85	155.61	270.82	-353.54	-1152.86	-7.28e-04
		1	2	0.0	104.31	209.78	-860.05	-546.98	-242.57	-9.28e-04
Nodo					Fx	Fy	Fz	Mx	My	Mz
					-395.64	-266.55	-4346.03	-3449.20	-2044.49	-8.54e-03

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
					758.08	1149.51	1703.54	856.89	1254.30	-3.59e-04

14. RISULTATI ELEMENTI TIPO TRAVE

14.1 LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sottoriportate.

Gli elementi vengono suddivisi, in relazione alle proprietà in elementi:

- tipo **pilastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

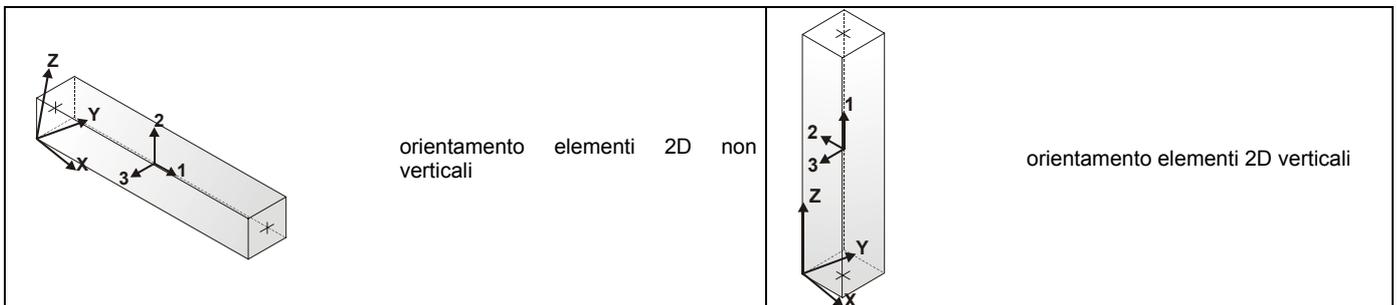
Per ogni elemento, e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
2	1	0.0	49.06	-1.01e-04	0.0	0.0	760.78	434.57	-327.07	0.0	49.06	-65.19
		-65.19	0.0	1.09e-05	0.0	15.0	761.84	434.57	-327.07	0.0	0.0	0.0
2	2	58.92	0.0	7.48e-06	0.0	0.0	-499.91	-392.77	1382.50	0.0	-207.37	58.92
		0.0	-207.37	-1.01e-04	0.0	15.0	-498.85	-392.77	1382.50	0.0	0.0	0.0
5	1	-131.00	-47.60	-2.87e-03	0.0	0.0	-926.77	874.70	317.35	0.0	-158.68	-437.14
		-437.14	-158.68	7.16e-03	0.0	35.0	-923.62	874.70	317.35	0.0	-47.60	-131.00
5	2	-45.91	-16.71	3.66e-03	0.0	0.0	-899.38	306.03	112.79	0.0	-56.18	-153.02
		-153.02	-56.18	-0.01	0.0	35.0	-896.23	306.03	112.79	0.0	-16.71	-45.91
8	1	-68.42	-24.80	-2.70e-03	0.0	0.0	-958.93	457.33	165.35	0.0	-82.67	-228.49
		-228.49	-82.67	7.00e-03	0.0	35.0	-955.78	457.33	165.35	0.0	-24.80	-68.42
8	2	26.49	8.85	3.90e-03	0.0	0.0	-944.70	-52.98	-17.34	0.0	8.85	26.49
		7.95	2.78	-0.01	0.0	35.0	-941.55	-52.98	-17.34	0.0	2.78	7.95
11	1	0.0	0.0	-1.17e-03	0.0	0.0	-955.78	456.15	165.35	0.0	-24.80	-68.42
		-68.42	-24.80	3.00e-03	0.0	15.0	-954.72	456.15	165.35	0.0	0.0	0.0
11	2	7.95	2.78	1.67e-03	0.0	0.0	-941.55	-52.98	-18.53	0.0	2.78	7.95
		0.0	0.0	-4.56e-03	0.0	15.0	-940.49	-52.98	-18.53	0.0	0.0	0.0
14	1	0.0	0.0	-1.25e-03	0.0	0.0	-923.62	873.30	317.35	0.0	-47.60	-131.00
		-131.00	-47.60	3.06e-03	0.0	15.0	-922.56	873.30	317.35	0.0	0.0	0.0
14	2	0.0	0.0	1.56e-03	0.0	0.0	-896.23	306.03	111.39	0.0	-16.71	-45.91
		-45.91	-16.71	-4.40e-03	0.0	15.0	-895.17	306.03	111.39	0.0	0.0	0.0
16	1	0.02	0.0	-1.17e-03	0.0	0.0	-1322.32	0.61	0.0	0.0	0.0	-0.19
		-0.19	0.0	-2.41e-03	0.0	35.0	-1319.17	0.61	0.0	0.0	0.0	0.02
16	2	0.99	0.0	-6.59e-03	0.0	0.0	-1329.49	-1.99	0.74	0.0	-0.26	0.99
		0.30	-0.26	-0.02	0.0	35.0	-1326.34	-1.99	0.74	0.0	0.0	0.30
17	1	0.02	0.0	-5.03e-04	0.0	0.0	-1319.17	-0.13	0.0	0.0	0.0	0.02
		0.0	0.0	-1.09e-05	0.0	15.0	-1318.11	-0.13	0.0	0.0	0.0	0.0
17	2	0.30	0.0	2.82e-03	0.0	0.0	-1326.34	-1.99	0.0	0.0	0.0	0.30
		0.0	0.0	-7.42e-03	0.0	15.0	-1325.28	-1.99	0.0	0.0	0.0	0.0
18	1	-235.24	-85.62	-1.51e-03	0.0	0.0	-790.40	1569.51	570.82	0.0	-285.41	-784.57
		-784.57	-285.41	-2.54e-03	0.0	35.0	-787.25	1569.51	570.82	0.0	-85.62	-235.24
18	2	-203.28	-73.89	-6.10e-03	0.0	0.0	-813.25	1355.18	493.80	0.0	-246.72	-677.59
		-677.59	-246.72	-0.02	0.0	35.0	-810.10	1355.18	493.80	0.0	-73.89	-203.28
19	1	-33.91	0.0	-1.83e-04	0.0	0.0	-1562.49	226.90	0.0	0.0	0.0	-113.32
		-113.32	0.0	1.47e-05	0.0	35.0	-1559.34	226.90	0.0	0.0	0.0	-33.91
19	2	153.52	0.0	9.99e-06	0.0	0.0	-734.74	-307.04	0.86	0.0	-0.30	153.52
		46.06	-0.30	-1.32e-05	0.0	35.0	-731.59	-307.04	0.86	0.0	0.0	46.06
20	1	0.0	0.0	-8.51e-05	0.0	0.0	-1559.33	226.05	0.0	0.0	0.0	-33.91
		-33.91	0.0	1.37e-04	0.0	15.0	-1558.28	226.05	0.0	0.0	0.0	0.0
20	2	46.06	0.0	4.53e-06	0.0	0.0	-731.59	-307.04	0.0	0.0	0.0	46.06
		0.0	0.0	-3.61e-04	0.0	15.0	-730.53	-307.04	0.0	0.0	0.0	0.0
21	1	0.0	0.0	-1.50e-03	0.0	0.0	-1332.50	2.49	0.0	0.0	0.0	-0.37
		-0.37	0.0	9.29e-04	0.0	15.0	-1331.44	2.49	0.0	0.0	0.0	0.0
21	2	0.06	0.0	1.40e-03	0.0	0.0	-1314.01	-0.41	0.0	0.0	0.0	0.06
		0.0	0.0	-5.48e-03	0.0	15.0	-1312.95	-0.41	0.0	0.0	0.0	0.0
22	1	45.93	0.0	-1.80e-04	0.0	0.0	-914.24	-91.60	0.0	0.0	0.0	45.93
		13.87	0.0	1.30e-05	0.0	35.0	-911.09	-91.60	0.0	0.0	0.0	13.87
22	2	-2.54	0.0	6.69e-05	0.0	0.0	-1794.21	16.93	0.86	0.0	-0.30	-8.47
		-8.47	-0.30	-2.47e-06	0.0	35.0	-1791.06	16.93	0.86	0.0	0.0	-2.54
23	1	13.87	0.0	-7.45e-05	0.0	0.0	-911.09	-92.46	0.0	0.0	0.0	13.87
		0.0	0.0	1.49e-04	0.0	15.0	-910.03	-92.46	0.0	0.0	0.0	0.0
23	2	0.0	0.0	2.92e-05	0.0	0.0	-1791.06	16.93	0.0	0.0	0.0	-2.54
		-2.54	0.0	-4.04e-04	0.0	15.0	-1790.00	16.93	0.0	0.0	0.0	0.0
24	1	0.0	0.0	-6.91e-04	0.0	0.0	-787.25	1568.30	570.82	0.0	-85.62	-235.24
		-235.24	-85.62	-1.07e-03	0.0	15.0	-786.19	1568.30	570.82	0.0	0.0	0.0
24	2	0.0	0.0	-2.58e-03	0.0	0.0	-810.10	1355.18	492.59	0.0	-73.89	-203.28
		-203.28	-73.89	-7.74e-03	0.0	15.0	-809.04	1355.18	492.59	0.0	0.0	0.0
25	1	-0.29	0.0	-2.66e-03	0.0	0.0	-1009.42	2.93	0.0	0.0	0.0	-1.32
		-1.32	0.0	7.10e-03	0.0	35.0	-1006.27	2.93	0.0	0.0	0.0	-0.29
25	2	1.17	0.0	4.13e-03	0.0	0.0	-1019.80	-2.34	0.98	0.0	-0.34	1.17
		0.35	-0.34	-0.01	0.0	35.0	-1016.65	-2.34	0.98	0.0	0.0	0.35
26	1	0.0	0.0	-1.14e-03	0.0	0.0	-1006.27	1.95	0.0	0.0	0.0	-0.29
		-0.29	0.0	2.57e-03	0.0	15.0	-1005.21	1.95	0.0	0.0	0.0	0.0
26	2	0.35	0.0	1.77e-03	0.0	0.0	-1016.65	-2.34	0.0	0.0	0.0	0.35
		0.0	0.0	-4.21e-03	0.0	15.0	-1015.59	-2.34	0.0	0.0	0.0	0.0
27	1	-99.93	276.00	-2.66e-04	0.0	0.0	-2515.45	667.50	-552.00	0.0	276.00	-333.55
		-333.55	82.80	2.99e-05	0.0	35.0	-2512.30	667.50	-552.00	0.0	82.80	-99.93
27	2	-1.68	-167.15	-1.15e-04	0.0	0.0	-1312.86	11.23	1115.67	0.0	-557.63	-5.61
		-5.61	-557.63	-1.68e-04	0.0	35.0	-1309.71	11.23	1115.67	0.0	-167.15	-1.68

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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28	1	-101.44	-36.93	-1.05e-03	0.0	0.0	-667.00	677.08	246.21	0.0	-123.10	-338.42
		-338.42	-123.10	-1.84e-03	0.0	35.0	-663.85	677.08	246.21	0.0	-36.93	-101.44
28	2	0.04	0.03	-6.45e-03	0.0	0.0	-708.80	-0.09	0.60	0.0	-0.18	0.04
		0.01	-0.18	-0.02	0.0	35.0	-705.65	-0.09	0.60	0.0	0.03	0.01
29	1	0.0	0.0	-4.70e-04	0.0	0.0	-663.85	676.29	246.21	0.0	-36.93	-101.44
		-101.44	-36.93	-7.80e-04	0.0	15.0	-662.79	676.29	246.21	0.0	0.0	0.0
29	2	0.01	0.03	2.76e-03	0.0	0.0	-705.65	-0.09	-0.18	0.0	0.03	0.01
		0.0	0.0	-7.77e-03	0.0	15.0	-704.59	-0.09	-0.18	0.0	0.0	0.0
30	1	0.0	82.80	-1.33e-04	0.0	0.0	-2512.30	666.17	-552.00	0.0	82.80	-99.93
		-99.93	0.0	3.03e-06	0.0	15.0	-2511.24	666.17	-552.00	0.0	0.0	0.0
30	2	0.0	0.0	-4.97e-05	0.0	0.0	-1309.71	11.23	1114.34	0.0	-167.15	-1.68
		-1.68	-167.15	-1.04e-04	0.0	15.0	-1308.65	11.23	1114.34	0.0	0.0	0.0
31	1	-57.77	-33.86	-1.81e-04	0.0	0.0	-2470.13	386.02	225.74	0.0	-112.87	-192.88
		-192.88	-112.87	5.69e-05	0.0	35.0	-2466.98	386.02	225.74	0.0	-33.86	-57.77
31	2	245.80	-198.29	9.24e-06	0.0	0.0	-1103.04	-491.60	1322.82	0.0	-661.27	245.80
		73.74	-661.27	-1.35e-04	0.0	35.0	-1099.89	-491.60	1322.82	0.0	-198.29	73.74
32	1	0.0	0.0	-8.87e-05	0.0	0.0	-2466.98	385.11	225.74	0.0	-33.86	-57.77
		-57.77	-33.86	3.09e-05	0.0	15.0	-2465.92	385.11	225.74	0.0	0.0	0.0
32	2	73.74	0.0	1.81e-05	0.0	0.0	-1099.89	-491.60	1321.91	0.0	-198.29	73.74
		0.0	-198.29	-9.59e-05	0.0	15.0	-1098.83	-491.60	1321.91	0.0	0.0	0.0
33	1	-107.03	282.46	-2.80e-04	0.0	0.0	823.59	714.87	-564.92	0.0	282.46	-357.23
		-357.23	84.74	3.90e-05	0.0	35.0	826.74	714.87	-564.92	0.0	84.74	-107.03
33	2	77.30	-130.36	-1.13e-04	0.0	0.0	-463.12	-154.61	870.42	0.0	-435.01	77.30
		23.19	-435.01	-1.56e-04	0.0	35.0	-459.97	-154.61	870.42	0.0	-130.36	23.19
34	1	-26.56	-39.99	-1.76e-04	0.0	0.0	740.12	177.96	266.63	0.0	-133.31	-88.84
		-88.84	-133.31	6.66e-05	0.0	35.0	743.27	177.96	266.63	0.0	-39.99	-26.56
34	2	126.48	-193.04	1.86e-05	0.0	0.0	-542.02	-252.96	1287.82	0.0	-643.77	126.48
		37.94	-643.77	-1.45e-04	0.0	35.0	-538.87	-252.96	1287.82	0.0	-193.04	37.94
35	1	0.0	0.0	-8.05e-05	0.0	0.0	743.27	177.05	266.63	0.0	-39.99	-26.56
		-26.56	-39.99	3.62e-05	0.0	15.0	744.33	177.05	266.63	0.0	0.0	0.0
35	2	37.94	0.0	0.0	0.0	0.0	-538.87	-252.96	1286.90	0.0	-193.04	37.94
		0.0	-193.04	-9.91e-05	0.0	15.0	-537.81	-252.96	1286.90	0.0	0.0	0.0
36	1	0.0	84.74	-1.41e-04	0.0	0.0	826.74	713.53	-564.92	0.0	84.74	-107.03
		-107.03	0.0	0.0	0.0	15.0	827.80	713.53	-564.92	0.0	0.0	0.0
36	2	23.19	0.0	-4.39e-05	0.0	0.0	-459.97	-154.61	869.08	0.0	-130.36	23.19
		0.0	-130.36	-9.18e-05	0.0	15.0	-458.91	-154.61	869.08	0.0	0.0	0.0
37	1	-41.26	-14.94	-2.61e-03	0.0	0.0	-823.98	276.09	99.63	0.0	-49.82	-137.89
		-137.89	-49.82	6.88e-03	0.0	35.0	-820.83	276.09	99.63	0.0	-14.94	-41.26
37	2	212.25	76.67	4.02e-03	0.0	0.0	-781.94	-424.50	-153.03	0.0	76.67	212.25
		63.68	23.11	-0.01	0.0	35.0	-778.79	-424.50	-153.03	0.0	23.11	63.68
38	1	0.0	0.0	-1.13e-03	0.0	0.0	-820.83	275.06	99.63	0.0	-14.94	-41.26
		-41.26	-14.94	2.94e-03	0.0	15.0	-819.77	275.06	99.63	0.0	0.0	0.0
38	2	63.68	23.11	1.73e-03	0.0	0.0	-778.79	-424.50	-154.06	0.0	23.11	63.68
		0.0	0.0	-4.62e-03	0.0	15.0	-777.73	-424.50	-154.06	0.0	0.0	0.0
39	1	-244.82	-89.02	-2.96e-03	0.0	0.0	-702.31	1633.59	593.45	0.0	-296.72	-816.58
		-816.58	-296.72	7.21e-03	0.0	35.0	-699.16	1633.59	593.45	0.0	-89.02	-244.82
39	2	-115.89	-42.17	-3.58e-03	0.0	0.0	-676.39	772.61	282.57	0.0	-141.07	-386.31
		-386.31	-141.07	-0.01	0.0	35.0	-673.24	772.61	282.57	0.0	-42.17	-115.89
40	1	-83.44	-30.38	-1.09e-03	0.0	0.0	-908.43	557.12	202.55	0.0	-101.28	-278.43
		-278.43	-101.28	-1.94e-03	0.0	35.0	-905.28	557.12	202.55	0.0	-30.38	-83.44
40	2	-29.66	-10.76	-6.40e-03	0.0	0.0	-933.22	197.76	72.59	0.0	-36.17	-98.88
		-98.88	-36.17	-0.02	0.0	35.0	-930.07	197.76	72.59	0.0	-10.76	-29.66
41	1	0.0	0.0	-4.83e-04	0.0	0.0	-905.28	556.28	202.55	0.0	-30.38	-83.44
		-83.44	-30.38	-8.25e-04	0.0	15.0	-904.22	556.28	202.55	0.0	0.0	0.0
41	2	0.0	0.0	-2.74e-03	0.0	0.0	-930.07	197.76	71.75	0.0	-10.76	-29.66
		-29.66	-10.76	-7.76e-03	0.0	15.0	-929.01	197.76	71.75	0.0	0.0	0.0
42	1	0.0	0.0	-1.32e-03	0.0	0.0	-699.16	1632.14	593.45	0.0	-89.02	-244.82
		-244.82	-89.02	3.07e-03	0.0	15.0	-698.10	1632.14	593.45	0.0	0.0	0.0
42	2	0.0	0.0	1.51e-03	0.0	0.0	-673.24	772.61	281.12	0.0	-42.17	-115.89
		-115.89	-42.17	-4.37e-03	0.0	15.0	-672.18	772.61	281.12	0.0	0.0	0.0
43	1	-74.94	17.75	-1.94e-04	0.0	0.0	-2300.67	500.54	-35.50	0.0	17.75	-250.12
		-250.12	5.33	4.58e-05	0.0	35.0	-2297.52	500.54	-35.50	0.0	5.33	-74.94
43	2	216.15	-191.94	5.94e-06	0.0	0.0	-1117.89	-432.29	1280.54	0.0	-640.13	216.15
		64.84	-640.13	-1.23e-04	0.0	35.0	-1114.74	-432.29	1280.54	0.0	-191.94	64.84
44	1	0.0	5.33	-9.76e-05	0.0	0.0	-2297.52	499.58	-35.50	0.0	5.33	-74.94
		-74.94	0.0	1.86e-05	0.0	15.0	-2296.46	499.58	-35.50	0.0	0.0	0.0
44	2	64.84	0.0	9.86e-06	0.0	0.0	-1114.74	-432.29	1279.58	0.0	-191.94	64.84
		0.0	-191.94	-8.96e-05	0.0	15.0	-1113.68	-432.29	1279.58	0.0	0.0	0.0
45	1	1.16e-03	0.0	-2.06e-03	0.0	0.0	-1043.63	1.25	0.0	0.0	0.0	-0.44
		-0.44	0.0	-4.58e-03	0.0	35.0	-1040.48	1.25	0.0	0.0	0.0	1.16e-03
45	2	0.24	0.0	-5.57e-03	0.0	0.0	-1058.82	-0.47	1.26	0.0	-0.44	0.24
		0.07	-0.44	-0.02	0.0	35.0	-1055.67	-0.47	1.26	0.0	0.0	0.07

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46	1	-40.84	33.85	-1.87e-04	0.0	0.0	374.93	273.22	-67.70	0.0	33.85	-136.46
		-136.46	10.16	5.38e-05	0.0	35.0	378.08	273.22	-67.70	0.0	10.16	-40.84
46	2	163.78	-170.05	2.45e-05	0.0	0.0	-792.21	-327.56	1134.62	0.0	-567.16	163.78
		49.13	-567.16	-1.28e-04	0.0	35.0	-789.06	-327.56	1134.62	0.0	-170.05	49.13
47	1	0.0	10.16	-8.81e-05	0.0	0.0	378.08	272.25	-67.70	0.0	10.16	-40.84
		-40.84	0.0	2.11e-05	0.0	15.0	379.14	272.25	-67.70	0.0	0.0	0.0
47	2	49.13	0.0	1.10e-06	0.0	0.0	-789.06	-327.56	1133.65	0.0	-170.05	49.13
		0.0	-170.05	-8.72e-05	0.0	15.0	-788.00	-327.56	1133.65	0.0	0.0	0.0
48	1	1.16e-03	0.0	-8.83e-04	0.0	0.0	-1040.48	-7.71e-03	0.0	0.0	0.0	1.16e-03
		0.0	0.0	-1.18e-03	0.0	15.0	-1039.43	-7.71e-03	0.0	0.0	0.0	0.0
48	2	0.07	0.0	-2.39e-03	0.0	0.0	-1055.67	-0.47	0.0	0.0	0.0	0.07
		0.0	0.0	-9.86e-03	0.0	15.0	-1054.61	-0.47	0.0	0.0	0.0	0.0
49	1	-43.99	-15.94	-2.64e-03	0.0	0.0	-876.21	294.37	106.28	0.0	-53.14	-147.02
		-147.02	-53.14	6.94e-03	0.0	35.0	-873.06	294.37	106.28	0.0	-15.94	-43.99
49	2	112.00	40.21	3.97e-03	0.0	0.0	-856.30	-224.00	-80.09	0.0	40.21	112.00
		33.60	12.18	-0.01	0.0	35.0	-853.15	-224.00	-80.09	0.0	12.18	33.60
50	1	0.0	0.0	-1.14e-03	0.0	0.0	-873.06	293.29	106.28	0.0	-15.94	-43.99
		-43.99	-15.94	2.97e-03	0.0	15.0	-872.00	293.29	106.28	0.0	0.0	0.0
50	2	33.60	12.18	1.71e-03	0.0	0.0	-853.15	-224.00	-81.17	0.0	12.18	33.60
		0.0	0.0	-4.61e-03	0.0	15.0	-852.09	-224.00	-81.17	0.0	0.0	0.0
51	1	-77.36	0.0	-2.08e-04	0.0	0.0	-3280.74	517.08	0.0	0.0	0.0	-258.33
		-258.33	0.0	1.45e-04	0.0	35.0	-3277.59	517.08	0.0	0.0	0.0	-77.36
51	2	-91.62	0.0	-1.18e-04	0.0	0.0	-2415.92	610.82	1.38	0.0	-0.48	-305.41
		-305.41	-0.48	-1.46e-04	0.0	35.0	-2412.77	610.82	1.38	0.0	0.0	-91.62
52	1	-83.19	-30.29	-1.13e-03	0.0	0.0	-889.68	555.52	201.96	0.0	-100.98	-277.63
		-277.63	-100.98	-2.03e-03	0.0	35.0	-886.53	555.52	201.96	0.0	-30.29	-83.19
52	2	-36.30	-13.17	-6.37e-03	0.0	0.0	-917.15	241.99	88.71	0.0	-44.22	-121.00
		-121.00	-44.22	-0.02	0.0	35.0	-914.00	241.99	88.71	0.0	-13.17	-36.30
53	1	0.0	0.0	-5.02e-04	0.0	0.0	-886.53	554.63	201.96	0.0	-30.29	-83.19
		-83.19	-30.29	-8.63e-04	0.0	15.0	-885.47	554.63	201.96	0.0	0.0	0.0
53	2	0.0	0.0	-2.72e-03	0.0	0.0	-914.00	241.99	87.82	0.0	-13.17	-36.30
		-36.30	-13.17	-7.75e-03	0.0	15.0	-912.94	241.99	87.82	0.0	0.0	0.0
54	1	0.0	0.0	-1.04e-04	0.0	0.0	-3277.59	515.70	0.0	0.0	0.0	-77.36
		-77.36	0.0	2.29e-04	0.0	15.0	-3276.53	515.70	0.0	0.0	0.0	0.0
54	2	0.0	0.0	-6.81e-05	0.0	0.0	-2412.77	610.82	0.0	0.0	0.0	-91.62
		-91.62	0.0	-2.06e-04	0.0	15.0	-2411.71	610.82	0.0	0.0	0.0	0.0
55	1	-84.48	90.50	-2.05e-04	0.0	0.0	-2228.04	564.18	-180.99	0.0	90.50	-281.94
		-281.94	27.15	4.23e-05	0.0	35.0	-2224.89	564.18	-180.99	0.0	27.15	-84.48
55	2	202.40	-204.44	2.20e-05	0.0	0.0	-1129.22	-404.79	1363.93	0.0	-681.81	202.40
		60.72	-681.81	-1.28e-04	0.0	35.0	-1126.07	-404.79	1363.93	0.0	-204.44	60.72
56	1	0.0	27.15	-1.04e-04	0.0	0.0	-2224.89	563.17	-180.99	0.0	27.15	-84.48
		-84.48	0.0	1.29e-05	0.0	15.0	-2223.83	563.17	-180.99	0.0	0.0	0.0
56	2	60.72	0.0	2.18e-06	0.0	0.0	-1126.07	-404.79	1362.92	0.0	-204.44	60.72
		0.0	-204.44	-9.38e-05	0.0	15.0	-1125.01	-404.79	1362.92	0.0	0.0	0.0
57	1	-82.76	0.0	-2.52e-04	0.0	0.0	807.56	553.15	0.0	0.0	0.0	-276.37
		-276.37	0.0	1.13e-04	0.0	35.0	810.71	553.15	0.0	0.0	0.0	-82.76
57	2	-25.45	0.0	-1.16e-04	0.0	0.0	7.66	169.70	1.39	0.0	-0.49	-84.85
		-84.85	-0.49	-1.24e-04	0.0	35.0	10.81	169.70	1.39	0.0	0.0	-25.45
58	1	-50.63	116.13	-1.98e-04	0.0	0.0	339.96	338.57	-232.27	0.0	116.13	-169.13
		-169.13	34.84	4.88e-05	0.0	35.0	343.11	338.57	-232.27	0.0	34.84	-50.63
58	2	183.90	-180.18	3.44e-05	0.0	0.0	-796.98	-367.79	1202.25	0.0	-600.97	183.90
		55.17	-600.97	-1.30e-04	0.0	35.0	-793.83	-367.79	1202.25	0.0	-180.18	55.17
59	1	0.0	34.84	-9.47e-05	0.0	0.0	343.11	337.56	-232.27	0.0	34.84	-50.63
		-50.63	0.0	1.43e-05	0.0	15.0	344.17	337.56	-232.27	0.0	0.0	0.0
59	2	55.17	0.0	4.19e-06	0.0	0.0	-793.83	-367.79	1201.23	0.0	-180.18	55.17
		0.0	-180.18	-9.02e-05	0.0	15.0	-792.77	-367.79	1201.23	0.0	0.0	0.0
60	1	0.0	0.0	-1.24e-04	0.0	0.0	810.71	551.76	0.0	0.0	0.0	-82.76
		-82.76	0.0	1.55e-04	0.0	15.0	811.77	551.76	0.0	0.0	0.0	0.0
60	2	0.0	0.0	-5.46e-05	0.0	0.0	10.81	169.70	0.0	0.0	0.0	-25.45
		-25.45	0.0	-1.74e-04	0.0	15.0	11.87	169.70	0.0	0.0	0.0	0.0
61	1	-54.51	-19.77	-2.67e-03	0.0	0.0	-882.86	364.52	131.77	0.0	-65.88	-182.09
		-182.09	-65.88	6.98e-03	0.0	35.0	-879.71	364.52	131.77	0.0	-19.77	-54.51
61	2	58.14	20.60	3.93e-03	0.0	0.0	-852.62	-116.29	-40.87	0.0	20.60	58.14
		17.44	6.30	-0.01	0.0	35.0	-849.47	-116.29	-40.87	0.0	6.30	17.44
62	1	0.0	0.0	-1.16e-03	0.0	0.0	-879.71	363.39	131.77	0.0	-19.77	-54.51
		-54.51	-19.77	2.99e-03	0.0	15.0	-878.65	363.39	131.77	0.0	0.0	0.0
62	2	17.44	6.30	1.69e-03	0.0	0.0	-849.47	-116.29	-42.00	0.0	6.30	17.44
		0.0	0.0	-4.58e-03	0.0	15.0	-848.41	-116.29	-42.00	0.0	0.0	0.0
63	1	-0.37	0.0	-3.50e-03	0.0	0.0	-1335.65	4.00	0.0	0.0	0.0	-1.77
		-1.77	0.0	9.17e-03	0.0	35.0	-1332.50	4.00	0.0	0.0	0.0	-0.37
63	2	0.21	0.0	-3.27e-03	0.0	0.0	-1317.16	-0.41	1.50	0.0	-0.53	0.21
		0.06	-0.53	-9.09e-03	0.0	35.0	-1314.01	-0.41	1.50	0.0	0.0	0.06

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64	1	-108.40	-39.49	-1.19e-03	0.0	0.0	-855.88	723.64	263.27	0.0	-131.64	-361.68
		-361.68	-131.64	-2.09e-03	0.0	35.0	-852.73	723.64	263.27	0.0	-39.49	-108.40
64	2	-50.68	-18.56	-6.34e-03	0.0	0.0	-896.31	337.84	124.66	0.0	-62.19	-168.92
		-168.92	-62.19	-0.02	0.0	35.0	-893.16	337.84	124.66	0.0	-18.56	-50.68
65	1	0.0	0.0	-5.29e-04	0.0	0.0	-852.73	722.70	263.27	0.0	-39.49	-108.40
		-108.40	-39.49	-8.87e-04	0.0	15.0	-851.67	722.70	263.27	0.0	0.0	0.0
65	2	0.0	0.0	-2.71e-03	0.0	0.0	-893.16	337.84	123.72	0.0	-18.56	-50.68
		-50.68	-18.56	-7.75e-03	0.0	15.0	-892.10	337.84	123.72	0.0	0.0	0.0
66	1	-94.46	242.20	-2.69e-04	0.0	0.0	729.75	631.04	-484.39	0.0	242.20	-315.33
		-315.33	72.66	4.76e-05	0.0	35.0	732.90	631.04	-484.39	0.0	72.66	-94.46
66	2	146.59	-168.36	-9.81e-05	0.0	0.0	-400.88	-293.18	1123.68	0.0	-561.65	146.59
		43.98	-561.65	-1.57e-04	0.0	35.0	-397.73	-293.18	1123.68	0.0	-168.36	43.98
67	1	-100.28	116.78	-1.12e-04	0.0	0.0	-2872.00	669.60	-233.57	0.0	116.78	-334.64
		-334.64	35.04	4.11e-05	0.0	35.0	-2868.85	669.60	-233.57	0.0	35.04	-100.28
67	2	170.89	-233.83	3.91e-05	0.0	0.0	-1520.85	-341.79	1559.96	0.0	-779.82	170.89
		51.27	-779.82	-1.44e-04	0.0	35.0	-1517.70	-341.79	1559.96	0.0	-233.83	51.27
68	1	0.0	35.04	-1.12e-04	0.0	0.0	-2868.85	668.54	-233.57	0.0	35.04	-100.28
		-100.28	0.0	1.09e-05	0.0	15.0	-2867.79	668.54	-233.57	0.0	0.0	0.0
68	2	51.27	0.0	6.96e-06	0.0	0.0	-1517.70	-341.79	1558.90	0.0	-233.83	51.27
		0.0	-233.83	-1.07e-04	0.0	15.0	-1516.64	-341.79	1558.90	0.0	0.0	0.0
69	1	0.0	72.66	-1.33e-04	0.0	0.0	732.90	629.75	-484.39	0.0	72.66	-94.46
		-94.46	0.0	6.48e-06	0.0	15.0	733.96	629.75	-484.39	0.0	0.0	0.0
69	2	43.98	0.0	-3.36e-05	0.0	0.0	-397.73	-293.18	1122.40	0.0	-168.36	43.98
		0.0	-168.36	-9.97e-05	0.0	15.0	-396.68	-293.18	1122.40	0.0	0.0	0.0
70	1	-65.19	163.54	-2.07e-04	0.0	0.0	757.63	435.64	-327.07	0.0	163.54	-217.66
		-217.66	49.06	4.73e-05	0.0	35.0	760.78	435.64	-327.07	0.0	49.06	-65.19
70	2	196.39	-207.37	4.38e-05	0.0	0.0	-503.06	-392.77	1383.56	0.0	-691.62	196.39
		58.92	-691.62	-1.44e-04	0.0	35.0	-499.91	-392.77	1383.56	0.0	-207.37	58.92
83	1	-150.41	-54.46	-1.31e-03	0.0	0.0	-936.98	1003.73	363.06	0.0	-181.53	-501.71
		-501.71	-181.53	-2.33e-03	0.0	35.0	-933.83	1003.73	363.06	0.0	-54.46	-150.41
83	2	-76.21	-28.39	-6.28e-03	0.0	0.0	-947.68	508.06	190.30	0.0	-95.00	-254.03
		-254.03	-95.00	-0.02	0.0	35.0	-944.53	508.06	190.30	0.0	-28.39	-76.21
84	1	0.0	0.0	-5.90e-04	0.0	0.0	-933.83	1002.73	363.06	0.0	-54.46	-150.41
		-150.41	-54.46	-9.87e-04	0.0	15.0	-932.77	1002.73	363.06	0.0	0.0	0.0
84	2	0.0	0.0	-2.68e-03	0.0	0.0	-944.53	508.06	189.29	0.0	-28.39	-76.21
		-76.21	-28.39	-7.75e-03	0.0	15.0	-943.47	508.06	189.29	0.0	0.0	0.0
85	1	-102.61	250.09	-2.35e-04	0.0	0.0	-2409.52	685.21	-500.17	0.0	250.09	-342.44
		-342.44	75.03	2.87e-05	0.0	35.0	-2406.37	685.21	-500.17	0.0	75.03	-102.61
85	2	136.02	-286.28	6.34e-05	0.0	0.0	-1220.89	-272.05	1909.63	0.0	-954.65	136.02
		40.81	-954.65	-1.80e-04	0.0	35.0	-1217.74	-272.05	1909.63	0.0	-286.28	40.81
86	1	0.0	75.03	-1.20e-04	0.0	0.0	-2406.37	684.08	-500.17	0.0	75.03	-102.61
		-102.61	0.0	2.07e-06	0.0	15.0	-2405.31	684.08	-500.17	0.0	0.0	0.0
86	2	40.81	0.0	1.94e-05	0.0	0.0	-1217.74	-272.05	1908.50	0.0	-286.28	40.81
		0.0	-286.28	-1.32e-04	0.0	15.0	-1216.68	-272.05	1908.50	0.0	0.0	0.0
87	1	-75.76	253.92	-2.30e-04	0.0	0.0	551.83	506.20	-507.84	0.0	253.92	-252.93
		-252.93	76.18	4.18e-05	0.0	35.0	554.98	506.20	-507.84	0.0	76.18	-75.76
87	2	216.86	-234.99	6.15e-05	0.0	0.0	-732.89	-433.72	1567.73	0.0	-783.69	216.86
		65.06	-783.69	-1.68e-04	0.0	35.0	-729.74	-433.72	1567.73	0.0	-234.99	65.06
88	1	0.0	76.18	-1.13e-04	0.0	0.0	554.98	505.06	-507.84	0.0	76.18	-75.76
		-75.76	0.0	3.35e-06	0.0	15.0	556.04	505.06	-507.84	0.0	0.0	0.0
88	2	65.06	0.0	1.39e-05	0.0	0.0	-729.74	-433.72	1566.59	0.0	-234.99	65.06
		0.0	-234.99	-1.17e-04	0.0	15.0	-728.68	-433.72	1566.59	0.0	0.0	0.0
89	1	-81.68	-29.26	-2.76e-03	0.0	0.0	-885.50	545.77	195.08	0.0	-97.54	-272.70
		-272.70	-97.54	7.10e-03	0.0	35.0	-882.35	545.77	195.08	0.0	-29.26	-81.68
89	2	31.56	9.36	3.80e-03	0.0	0.0	-853.82	-63.11	-18.35	0.0	9.36	31.56
		9.47	2.94	-0.01	0.0	35.0	-850.67	-63.11	-18.35	0.0	2.94	9.47
90	1	0.0	0.0	-1.20e-03	0.0	0.0	-882.35	544.52	195.08	0.0	-29.26	-81.68
		-81.68	-29.26	3.04e-03	0.0	15.0	-881.29	544.52	195.08	0.0	0.0	0.0
90	2	9.47	2.94	1.63e-03	0.0	0.0	-850.67	-63.11	-19.60	0.0	2.94	9.47
		0.0	0.0	-4.47e-03	0.0	15.0	-849.61	-63.11	-19.60	0.0	0.0	0.0
91	1	0.08	0.0	-1.54e-03	0.0	0.0	-865.17	0.54	0.0	0.0	0.0	-0.11
		-0.11	0.0	-3.22e-03	0.0	35.0	-862.02	0.54	0.0	0.0	0.0	0.08
91	2	-0.14	0.0	-6.13e-03	0.0	0.0	-902.24	0.95	1.06	0.0	-0.37	-0.47
		-0.47	-0.37	-0.02	0.0	35.0	-899.09	0.95	1.06	0.0	0.0	-0.14
92	1	0.08	0.0	-6.61e-04	0.0	0.0	-862.02	-0.51	0.0	0.0	0.0	0.08
		0.0	0.0	-8.19e-05	0.0	15.0	-860.96	-0.51	0.0	0.0	0.0	0.0
92	2	0.0	0.0	-2.63e-03	0.0	0.0	-899.09	0.95	0.0	0.0	0.0	-0.14
		-0.14	0.0	-8.35e-03	0.0	15.0	-898.03	0.95	0.0	0.0	0.0	0.0
93	1	-87.58	0.0	-2.39e-04	0.0	0.0	-2558.67	585.06	0.0	0.0	0.0	-292.35
		-292.35	0.0	7.45e-05	0.0	35.0	-2555.52	585.06	0.0	0.0	0.0	-87.58
93	2	-2.65	0.0	8.68e-05	0.0	0.0	-1453.13	17.66	1.18	0.0	-0.41	-8.83
		-8.83	-0.41	-2.69e-05	0.0	35.0	-1449.98	17.66	1.18	0.0	0.0	-2.65

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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94	1	0.0	0.0	-1.19e-04	0.0	0.0	-2555.52	583.88	0.0	0.0	0.0	-87.58
		-87.58	0.0	7.32e-05	0.0	15.0	-2554.46	583.88	0.0	0.0	0.0	0.0
94	2	0.0	0.0	3.77e-05	0.0	0.0	-1449.98	17.66	0.0	0.0	0.0	-2.65
		-2.65	0.0	-4.11e-04	0.0	15.0	-1448.92	17.66	0.0	0.0	0.0	0.0
95	1	-64.22	0.0	-2.38e-04	0.0	0.0	537.61	429.29	0.0	0.0	0.0	-214.47
		-214.47	0.0	8.78e-05	0.0	35.0	540.76	429.29	0.0	0.0	0.0	-64.22
95	2	54.97	0.0	8.74e-05	0.0	0.0	-501.96	-109.94	1.18	0.0	-0.41	54.97
		16.49	-0.41	-3.93e-05	0.0	35.0	-498.81	-109.94	1.18	0.0	0.0	16.49
96	1	0.0	0.0	-1.14e-04	0.0	0.0	540.76	428.11	0.0	0.0	0.0	-64.22
		-64.22	0.0	8.23e-05	0.0	15.0	541.82	428.11	0.0	0.0	0.0	0.0
96	2	16.49	0.0	3.43e-05	0.0	0.0	-498.81	-109.94	0.0	0.0	0.0	16.49
		0.0	0.0	-3.72e-04	0.0	15.0	-497.75	-109.94	0.0	0.0	0.0	0.0
97	1	-81.93	-29.74	-2.78e-03	0.0	0.0	-916.77	547.49	198.28	0.0	-99.14	-273.55
		-273.55	-99.14	7.11e-03	0.0	35.0	-913.62	547.49	198.28	0.0	-29.74	-81.93
97	2	-11.56	-4.23	3.76e-03	0.0	0.0	-891.86	77.06	29.53	0.0	-14.57	-38.53
		-38.53	-14.57	-0.01	0.0	35.0	-888.71	77.06	29.53	0.0	-4.23	-11.56
98	1	0.0	0.0	-1.21e-03	0.0	0.0	-913.62	546.19	198.28	0.0	-29.74	-81.93
		-81.93	-29.74	3.04e-03	0.0	15.0	-912.56	546.19	198.28	0.0	0.0	0.0
98	2	0.0	0.0	1.61e-03	0.0	0.0	-888.71	77.06	28.23	0.0	-4.23	-11.56
		-11.56	-4.23	-4.45e-03	0.0	15.0	-887.65	77.06	28.23	0.0	0.0	0.0
99	1	-151.06	-54.99	-1.39e-03	0.0	0.0	-867.98	1008.17	366.61	0.0	-183.31	-503.92
		-503.92	-183.31	-2.46e-03	0.0	35.0	-864.83	1008.17	366.61	0.0	-54.99	-151.06
99	2	-101.11	-36.73	-6.22e-03	0.0	0.0	-892.67	674.06	245.95	0.0	-122.81	-337.03
		-337.03	-122.81	-0.02	0.0	35.0	-889.52	674.06	245.95	0.0	-36.73	-101.11
100	1	0.0	0.0	-6.26e-04	0.0	0.0	-864.83	1007.06	366.61	0.0	-54.99	-151.06
		-151.06	-54.99	-1.04e-03	0.0	15.0	-863.77	1007.06	366.61	0.0	0.0	0.0
100	2	0.0	0.0	-2.65e-03	0.0	0.0	-889.52	674.06	244.85	0.0	-36.73	-101.11
		-101.11	-36.73	-7.74e-03	0.0	15.0	-888.46	674.06	244.85	0.0	0.0	0.0
101	1	-99.95	215.58	-2.52e-04	0.0	0.0	-2553.56	667.56	-431.17	0.0	215.58	-333.60
		-333.60	64.68	3.91e-05	0.0	35.0	-2550.41	667.56	-431.17	0.0	64.68	-99.95
101	2	112.14	-247.54	8.83e-05	0.0	0.0	-1461.30	-224.29	1651.51	0.0	-825.57	112.14
		33.64	-825.57	-1.74e-04	0.0	35.0	-1458.15	-224.29	1651.51	0.0	-247.54	33.64
102	1	0.0	64.68	-1.27e-04	0.0	0.0	-2550.41	666.33	-431.17	0.0	64.68	-99.95
		-99.95	0.0	4.36e-06	0.0	15.0	-2549.35	666.33	-431.17	0.0	0.0	0.0
102	2	33.64	0.0	3.14e-05	0.0	0.0	-1458.15	-224.29	1650.28	0.0	-247.54	33.64
		0.0	-247.54	-1.22e-04	0.0	15.0	-1457.09	-224.29	1650.28	0.0	0.0	0.0
103	1	-81.80	274.93	-2.54e-04	0.0	0.0	641.57	546.57	-549.86	0.0	274.93	-273.10
		-273.10	82.48	4.28e-05	0.0	35.0	644.72	546.57	-549.86	0.0	82.48	-81.80
103	2	146.95	-231.09	9.04e-05	0.0	0.0	-479.95	-293.91	1541.81	0.0	-770.72	146.95
		44.09	-770.72	-1.77e-04	0.0	35.0	-476.80	-293.91	1541.81	0.0	-231.09	44.09
104	1	0.0	82.48	-1.24e-04	0.0	0.0	644.72	545.33	-549.86	0.0	82.48	-81.80
		-81.80	0.0	2.56e-06	0.0	15.0	645.78	545.33	-549.86	0.0	0.0	0.0
104	2	44.09	0.0	3.03e-05	0.0	0.0	-476.80	-293.91	1540.58	0.0	-231.09	44.09
		0.0	-231.09	-1.20e-04	0.0	15.0	-475.74	-293.91	1540.58	0.0	0.0	0.0
105	1	-94.30	-34.25	-2.81e-03	0.0	0.0	-890.55	629.99	228.33	0.0	-114.16	-314.79
		-314.79	-114.16	7.13e-03	0.0	35.0	-887.40	629.99	228.33	0.0	-34.25	-94.30
105	2	-20.52	-7.48	3.72e-03	0.0	0.0	-862.99	136.77	51.20	0.0	-25.40	-68.39
		-68.39	-25.40	-0.01	0.0	35.0	-859.84	136.77	51.20	0.0	-7.48	-20.52
106	1	0.0	0.0	-1.22e-03	0.0	0.0	-887.40	628.64	228.33	0.0	-34.25	-94.30
		-94.30	-34.25	3.05e-03	0.0	15.0	-886.34	628.64	228.33	0.0	0.0	0.0
106	2	0.0	0.0	1.59e-03	0.0	0.0	-859.84	136.77	49.85	0.0	-7.48	-20.52
		-20.52	-7.48	-4.43e-03	0.0	15.0	-858.78	136.77	49.85	0.0	0.0	0.0
107	1	-134.10	-48.82	-1.43e-03	0.0	0.0	-853.66	895.15	325.48	0.0	-162.74	-447.40
		-447.40	-162.74	-2.51e-03	0.0	35.0	-850.51	895.15	325.48	0.0	-48.82	-134.10
107	2	-100.44	-36.48	-6.19e-03	0.0	0.0	-875.84	669.61	244.34	0.0	-122.00	-334.80
		-334.80	-122.00	-0.02	0.0	35.0	-872.69	669.61	244.34	0.0	-36.48	-100.44
108	1	0.0	0.0	-6.37e-04	0.0	0.0	-850.51	893.99	325.48	0.0	-48.82	-134.10
		-134.10	-48.82	-1.07e-03	0.0	15.0	-849.45	893.99	325.48	0.0	0.0	0.0
108	2	0.0	0.0	-2.63e-03	0.0	0.0	-872.69	669.61	243.19	0.0	-36.48	-100.44
		-100.44	-36.48	-7.74e-03	0.0	15.0	-871.63	669.61	243.19	0.0	0.0	0.0
109	1	-102.25	200.19	-2.62e-04	0.0	0.0	-2639.47	682.91	-400.37	0.0	200.19	-341.26
		-341.26	60.06	4.12e-05	0.0	35.0	-2636.32	682.91	-400.37	0.0	60.06	-102.25
109	2	58.89	-200.04	-1.02e-04	0.0	0.0	-1508.60	-117.79	1334.90	0.0	-667.26	58.89
		17.67	-667.26	-1.64e-04	0.0	35.0	-1505.45	-117.79	1334.90	0.0	-200.04	17.67
110	1	0.0	60.06	-1.32e-04	0.0	0.0	-2636.32	681.63	-400.37	0.0	60.06	-102.25
		-102.25	0.0	6.16e-06	0.0	15.0	-2635.26	681.63	-400.37	0.0	0.0	0.0
110	2	17.67	0.0	-4.03e-05	0.0	0.0	-1505.45	-117.79	1333.62	0.0	-200.04	17.67
		0.0	-200.04	-1.08e-04	0.0	15.0	-1504.39	-117.79	1333.62	0.0	0.0	0.0
Pilas.		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-816.58	-954.65	-0.02	0.0		-3280.74	-491.60	-564.92	0.0		
		245.80	282.46	9.17e-03	0.0		827.80	1633.59	1909.63	0.0		

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
1	1	2064.27	12.35	-9.60e-03	-110.96	0.0	355.74	940.50	41.88	530.22	-120.08	-734.16
		-734.16	-120.08	-4.76e-04	0.0	316.2	355.74	829.54	41.88	530.22	12.35	2064.27
1	2	2051.97	8.56	-8.84e-03	-110.96	0.0	614.87	977.81	34.04	472.27	-99.07	-864.44
		-864.44	-99.07	-8.74e-04	0.0	316.2	614.87	866.85	34.04	472.27	8.56	2051.97
3	1	1862.19	-62.11	-8.47e-03	-105.70	0.0	219.52	952.19	12.16	467.97	-98.74	-846.62
		-846.62	-98.74	6.24e-04	0.0	301.2	219.52	846.49	12.16	467.97	-62.11	1862.19
3	2	1321.96	-41.79	-7.43e-03	-105.70	0.0	437.64	979.69	25.07	414.36	-117.30	-1469.69
		-1469.69	-117.30	-4.37e-04	0.0	301.2	437.64	873.99	25.07	414.36	-41.79	1321.96
4	1	1561.21	-182.79	-8.64e-03	-110.96	0.0	674.28	734.89	-9.01	217.12	-182.79	-587.07
		-587.07	-211.28	-4.51e-04	0.0	316.2	674.28	623.93	-9.01	217.12	-211.28	1561.21
4	2	1639.66	-110.66	-8.10e-03	-110.96	0.0	694.83	758.08	-25.20	177.48	-110.66	-581.96
		-581.96	-190.36	-8.50e-04	0.0	316.2	694.83	647.12	-25.20	177.48	-190.36	1639.66
6	1	1506.44	-121.36	-7.70e-03	-105.70	0.0	400.89	734.62	-47.46	175.19	-121.36	-547.07
		-547.07	-264.32	6.19e-04	0.0	301.2	400.89	628.93	-47.46	175.19	-264.32	1506.44
6	2	1123.49	-163.00	-6.68e-03	-105.70	0.0	288.85	764.31	-37.92	97.21	-163.00	-1019.43
		-1019.43	-277.22	-4.42e-04	0.0	301.2	288.85	658.61	-37.92	97.21	-277.22	1123.49
7	1	1605.51	-139.51	-8.44e-03	-110.96	0.0	620.76	725.44	-49.15	168.17	-139.51	-512.91
		-512.91	-294.93	-4.96e-04	0.0	316.2	620.76	614.48	-49.15	168.17	-294.93	1605.51
7	2	1601.57	-65.67	-8.03e-03	-110.96	0.0	764.93	751.76	-37.62	126.07	-65.67	-600.06
		-600.06	-184.64	-8.26e-04	0.0	316.2	764.93	640.80	-37.62	126.07	-184.64	1601.57
9	1	1546.29	-74.92	-7.65e-03	-105.70	0.0	499.15	740.24	-70.50	131.82	-74.92	-524.15
		-524.15	-287.25	6.50e-04	0.0	301.2	499.15	634.55	-70.50	131.82	-287.25	1546.29
9	2	1293.97	-128.68	-6.77e-03	-105.70	0.0	134.60	754.94	-69.14	51.83	-128.68	-820.72
		-820.72	-336.93	-5.12e-04	0.0	301.2	134.60	649.24	-69.14	51.83	-336.93	1293.97
10	1	1563.29	-119.79	-8.36e-03	-110.96	0.0	685.04	723.70	-52.07	145.92	-119.79	-549.63
		-549.63	-284.43	-4.95e-04	0.0	316.2	685.04	612.74	-52.07	145.92	-284.43	1563.29
10	2	1592.46	-61.34	-8.06e-03	-110.96	0.0	774.69	750.49	-45.73	116.58	-61.34	-605.15
		-605.15	-205.94	-8.19e-04	0.0	316.2	774.69	639.53	-45.73	116.58	-205.94	1592.46
12	1	1533.82	-57.61	-7.67e-03	-105.70	0.0	537.58	742.22	-77.46	124.42	-57.61	-542.56
		-542.56	-290.91	6.65e-04	0.0	301.2	537.58	636.52	-77.46	124.42	-290.91	1533.82
12	2	1372.23	-117.01	-6.98e-03	-105.70	0.0	28.82	751.82	-70.46	53.08	-117.01	-733.06
		-733.06	-329.24	-5.51e-04	0.0	301.2	28.82	646.12	-70.46	53.08	-329.24	1372.23
13	1	1543.36	-66.33	-8.33e-03	-110.96	0.0	737.32	722.70	-89.85	153.81	-66.33	-566.38
		-566.38	-350.42	-5.32e-04	0.0	316.2	737.32	611.74	-89.85	153.81	-350.42	1543.36
13	2	1600.83	-34.91	-8.11e-03	-110.96	0.0	780.09	750.29	-58.23	119.13	-34.91	-596.16
		-596.16	-219.03	-8.15e-04	0.0	316.2	780.09	639.33	-58.23	119.13	-219.03	1600.83
15	1	1529.30	-30.72	-7.71e-03	-105.70	0.0	572.78	738.98	-90.15	109.08	-30.72	-537.32
		-537.32	-302.26	-6.67e-04	0.0	301.2	572.78	633.28	-90.15	109.08	-302.26	1529.30
15	2	1431.69	-58.09	-7.16e-03	-105.70	0.0	-115.62	757.07	-92.90	52.16	-58.09	-689.44
		-689.44	-337.90	-5.83e-04	0.0	301.2	-115.62	651.38	-92.90	52.16	-337.90	1431.69
71	1	1660.13	-97.90	-8.34e-03	-110.96	0.0	577.27	730.33	0.71	121.62	-97.90	-473.73
		-473.73	-100.14	-3.36e-04	0.0	316.2	577.27	619.37	0.71	121.62	-100.14	1660.13
71	2	1643.30	-56.95	-8.20e-03	-110.96	0.0	781.66	764.24	-53.04	128.54	-56.95	-597.78
		-597.78	-224.68	-8.14e-04	0.0	316.2	781.66	653.28	-53.04	128.54	-224.68	1643.30
72	1	1562.72	-27.53	-7.75e-03	-105.70	0.0	603.97	745.70	-81.69	126.24	-27.53	-524.15
		-524.15	-273.59	-6.58e-04	0.0	301.2	603.97	640.01	-81.69	126.24	-273.59	1562.72
72	2	1494.55	-54.17	-7.36e-03	-105.70	0.0	-84.31	762.87	-97.01	69.86	-54.17	-644.03
		-644.03	-346.37	-6.34e-04	0.0	301.2	-84.31	657.17	-97.01	69.86	-346.37	1494.55
73	1	1704.50	-137.47	-8.26e-03	-110.96	0.0	374.40	713.80	-57.73	189.73	-137.47	-377.11
		-377.11	-320.01	-4.60e-04	0.0	316.2	374.40	602.84	-57.73	189.73	-320.01	1704.50
73	2	1672.95	-84.69	-8.21e-03	-110.96	0.0	565.30	737.41	-54.63	148.84	-84.69	-483.33
		-483.33	-257.42	-8.40e-04	0.0	316.2	565.30	626.45	-54.63	148.84	-257.42	1672.95
74	1	1484.40	-69.87	-7.66e-03	-105.70	0.0	656.03	742.21	-55.93	137.41	-69.87	-591.96
		-591.96	-238.35	-6.34e-04	0.0	301.2	656.03	636.52	-55.93	137.41	-238.35	1484.40
74	2	1444.92	-92.88	-7.41e-03	-105.70	0.0	-26.52	754.17	-97.35	111.95	-92.88	-667.48
		-667.48	-386.10	-7.05e-04	0.0	301.2	-26.52	648.48	-97.35	111.95	-386.10	1444.92
75	1	1451.31	-119.27	-8.04e-03	-110.96	0.0	787.24	719.21	-9.33	148.34	-119.27	-647.41
		-647.41	-148.79	-3.49e-04	0.0	316.2	787.24	608.25	-9.33	148.34	-148.79	1451.31
75	2	1522.72	-85.47	-8.14e-03	-110.96	0.0	792.04	737.48	-20.46	125.50	-85.47	-633.77
		-633.77	-150.18	-7.59e-04	0.0	316.2	792.04	626.52	-20.46	125.50	-150.18	1522.72
76	1	1449.66	-66.39	-7.59e-03	-105.70	0.0	766.41	727.78	-64.93	141.96	-66.39	-583.23
		-583.23	-261.97	-6.44e-04	0.0	301.2	766.41	622.08	-64.93	141.96	-261.97	1449.66
76	2	1456.26	-97.11	-7.46e-03	-105.70	0.0	1.88	745.76	-58.38	95.06	-97.11	-630.78
		-630.78	-272.96	-6.63e-04	0.0	301.2	1.88	640.06	-58.38	95.06	-272.96	1456.26
77	1	1503.02	-105.56	-7.92e-03	-110.96	0.0	719.51	715.39	-44.28	142.37	-105.56	-583.62
		-583.62	-245.57	-3.78e-04	0.0	316.2	719.51	604.43	-44.28	142.37	-245.57	1503.02
77	2	1549.10	-80.23	-8.12e-03	-110.96	0.0	738.90	731.70	-40.31	123.26	-80.23	-589.10
		-589.10	-207.69	-7.64e-04	0.0	316.2	738.90	620.74	-40.31	123.26	-207.69	1549.10
78	1	1393.72	-59.47	-7.50e-03	-105.70	0.0	890.39	720.18	-57.55	135.74	-59.47	-616.29

78	2	-616.29	-232.80	-6.22e-04	0.0	301.2	890.39	614.48	-57.55	135.74	-232.80	1393.72
		1475.94	-93.83	-7.50e-03	-105.70	0.0	4.05	745.39	-76.44	105.95	-93.83	-609.99
		-609.99	-324.07	-7.08e-04	0.0	301.2	4.05	639.69	-76.44	105.95	-324.07	1475.94
79	1	1419.37	-88.25	-7.99e-03	-110.96	0.0	1131.27	741.52	-37.57	47.26	-88.25	-749.88
		-749.88	-207.03	-3.35e-04	0.0	316.2	1131.27	630.56	-37.57	47.26	-207.03	1419.37
79	2	1470.66	-73.23	-8.24e-03	-110.96	0.0	1111.73	755.51	-32.57	42.62	-73.23	-742.85
		-742.85	-176.21	-7.14e-04	0.0	316.2	1111.73	644.55	-32.57	42.62	-176.21	1470.66
80	1	1383.09	-28.30	-7.48e-03	-105.70	0.0	1116.24	737.12	-62.49	92.00	-28.30	-677.94
		-677.94	-216.52	-5.95e-04	0.0	301.2	1116.24	631.42	-62.49	92.00	-216.52	1383.09
80	2	1517.65	-55.76	-7.65e-03	-105.70	0.0	130.65	764.98	-101.78	72.21	-55.76	-627.28
		-627.28	-362.33	-7.61e-04	0.0	301.2	130.65	659.28	-101.78	72.21	-362.33	1517.65
81	1	1821.68	-46.70	-8.73e-03	-110.96	0.0	740.62	779.80	-105.38	-56.62	-46.70	-468.63
		-468.63	-379.90	-4.59e-04	0.0	316.2	740.62	668.84	-105.38	-56.62	-379.90	1821.68
81	2	1837.36	-32.54	-8.98e-03	-110.96	0.0	805.43	800.96	-93.93	-63.69	-32.54	-519.87
		-519.87	-329.54	-8.10e-04	0.0	316.2	805.43	690.00	-93.93	-63.69	-329.54	1837.36
82	1	1367.90	-7.95	-7.80e-03	-105.70	0.0	1365.58	790.18	-24.94	-19.81	-7.95	-852.95
		-852.95	-83.07	-5.39e-04	0.0	301.2	1365.58	684.49	-24.94	-19.81	-83.07	1367.90
82	2	1474.31	-9.92	-8.10e-03	-105.70	0.0	278.90	758.54	-93.26	-8.44	-9.92	-651.22
		-651.22	-290.82	-8.28e-04	0.0	301.2	278.90	652.84	-93.26	-8.44	-290.82	1474.31
111	1	2942.09	12.35	-8.44e-03	-110.96	0.0	1857.71	704.86	-2.55	540.21	12.35	888.74
		888.74	4.28	-4.81e-04	0.0	316.2	1857.71	593.90	-2.55	540.21	4.28	2942.09
111	2	2906.74	8.56	-7.75e-03	-110.96	0.0	2289.85	740.26	-1.39	482.94	8.56	741.46
		741.46	4.16	-8.80e-04	0.0	316.2	2289.85	629.30	-1.39	482.94	4.16	2906.74
112	1	3406.54	91.78	-6.41e-03	-110.96	0.0	2944.85	471.93	27.67	491.58	91.78	2089.73
		2089.73	4.28	-4.40e-04	0.0	316.2	2944.85	360.97	27.67	491.58	4.28	3406.54
112	2	3330.39	72.05	-5.81e-03	-110.96	0.0	3572.28	507.68	21.47	442.34	72.05	1900.54
		1900.54	4.16	-8.46e-04	0.0	316.2	3572.28	396.72	21.47	442.34	4.16	3330.39
113	1	3548.91	172.16	-3.82e-03	-110.96	0.0	3574.04	258.75	25.42	448.05	172.16	2906.16
		2906.16	91.78	-4.43e-04	0.0	316.2	3574.04	147.79	25.42	448.05	91.78	3548.91
113	2	3425.46	129.84	-3.36e-03	-110.96	0.0	4403.81	294.40	18.27	401.24	129.84	2670.00
		2670.00	72.05	-8.41e-04	0.0	316.2	4403.81	183.44	18.27	401.24	72.05	3425.46
114	1	3419.74	241.52	-1.02e-03	-110.96	0.0	3787.55	62.02	21.94	382.65	241.52	3364.93
		3364.93	172.16	-4.66e-04	0.0	316.2	3787.55	-48.94	21.94	382.65	172.16	3385.63
114	2	3218.95	170.83	-7.66e-04	-110.96	0.0	4814.15	96.51	12.96	339.98	170.83	3086.25
		3086.25	129.84	-8.45e-04	0.0	316.2	4814.15	-14.45	12.96	339.98	129.84	3218.95
115	1	3492.63	298.62	-1.85e-03	-110.96	0.0	3619.53	-121.12	18.06	296.63	298.62	3492.63
		2934.22	241.52	-5.05e-04	0.0	316.2	3619.53	-232.08	18.06	296.63	241.52	2934.22
115	2	3179.46	192.56	-1.94e-03	-110.96	0.0	4829.37	-89.51	6.87	260.45	192.56	3179.46
		2721.00	170.83	-8.52e-04	0.0	316.2	4829.37	-200.47	6.87	260.45	170.83	2721.00
116	1	3311.97	339.64	-4.43e-03	-110.96	0.0	3096.76	-291.03	12.97	190.74	339.64	3311.97
		2216.32	298.62	-5.53e-04	0.0	316.2	3096.76	-401.99	12.97	190.74	298.62	2216.32
116	2	2977.77	192.56	-4.29e-03	-110.96	0.0	4463.44	-265.08	-1.02	164.90	192.56	2977.77
		1964.15	189.35	-8.53e-04	0.0	316.2	4463.44	-376.04	-1.02	164.90	189.35	1964.15
117	1	2845.39	339.64	-6.51e-03	-110.96	0.0	2243.77	-445.19	-1.01	69.10	339.64	2845.39
		1262.28	336.44	-6.04e-04	0.0	316.2	2243.77	-556.15	-1.01	69.10	336.44	1262.28
117	2	2511.16	189.35	-6.12e-03	-110.96	0.0	3721.87	-429.87	-15.87	58.06	189.35	2511.16
		976.50	139.16	-8.38e-04	0.0	316.2	3721.87	-540.83	-15.87	58.06	139.16	976.50
118	1	2115.31	336.44	-7.89e-03	-110.96	0.0	1097.31	-582.08	-38.36	-52.41	336.44	2115.31
		99.36	215.16	6.47e-04	0.0	316.2	1097.31	-693.04	-38.36	-52.41	215.16	99.36
118	2	1811.93	139.16	-7.24e-03	-110.96	0.0	2611.24	-584.76	-42.34	-48.30	139.16	1811.93
		-212.51	5.29	-7.94e-04	0.0	316.2	2611.24	-695.72	-42.34	-48.30	5.29	-212.51
119	1	1096.85	215.16	-8.37e-03	-110.96	0.0	-249.22	-688.30	-79.24	-110.02	215.16	1096.85
		-1255.00	-35.39	6.91e-04	0.0	316.2	-249.22	-799.26	-79.24	-110.02	-35.39	-1255.00
119	2	853.25	5.29	-7.48e-03	-110.96	0.0	1199.28	-719.41	-18.13	-134.85	5.29	853.25
		-1596.96	-52.03	-7.13e-04	0.0	316.2	1199.28	-830.37	-18.13	-134.85	-52.03	-1596.96
120	1	2836.48	-38.99	-7.55e-03	-105.70	0.0	1706.46	760.45	7.68	479.81	-38.99	705.18
		705.18	-62.11	6.04e-04	0.0	301.2	1706.46	654.76	7.68	479.81	-62.11	2836.48
120	2	2390.78	-29.29	-6.90e-03	-105.70	0.0	1880.91	779.41	4.15	447.03	-29.29	202.38
		202.38	-41.79	-4.44e-04	0.0	301.2	1880.91	673.71	4.15	447.03	-41.79	2390.78
121	1	3349.91	14.34	-5.81e-03	-105.70	0.0	2904.17	534.10	17.71	463.31	14.34	1900.36
		1900.36	-38.99	5.71e-04	0.0	301.2	2904.17	428.41	17.71	463.31	-38.99	3349.91
121	2	2982.58	24.94	-5.49e-03	-105.70	0.0	3041.84	549.38	18.01	435.28	24.94	1487.03
		1487.03	-29.29	-4.21e-04	0.0	301.2	3041.84	443.68	18.01	435.28	-29.29	2982.58
122	1	3546.48	81.32	-3.55e-03	-105.70	0.0	3705.17	327.75	22.24	432.07	81.32	2718.47
		2718.47	14.34	5.48e-04	0.0	301.2	3705.17	222.05	22.24	432.07	14.34	3546.48
122	2	3242.61	85.94	-3.51e-03	-105.70	0.0	3813.97	340.52	20.25	410.92	85.94	2376.14
		2376.14	24.94	-4.10e-04	0.0	301.2	3813.97	234.82	20.25	410.92	24.94	3242.61
123	1	3462.04	140.96	-1.04e-03	-105.70	0.0	4114.46	135.97	19.80	382.56	140.96	3211.68
		3211.68	81.32	5.38e-04	0.0	301.2	4114.46	30.27	19.80	382.56	81.32	3462.04
123	2	3209.33	140.55	-1.21e-03	-105.70	0.0	4202.68	147.06	18.13	365.26	140.55	2925.57
		2925.57	85.94	-4.05e-04	0.0	301.2	4202.68	41.36	18.13	365.26	85.94	3209.33
124	1	3408.55	186.74	-1.54e-03	-105.70	0.0	4154.13	-44.19	15.20	315.26	186.74	3408.55

		3116.28	140.96	5.38e-04	0.0	301.2	4154.13	-149.88	15.20	315.26	186.74	3116.28
124	2	3169.90	189.49	-1.17e-03	-105.70	0.0	4225.99	-34.30	16.25	299.37	140.55	3169.90
		2907.41	140.55	-4.08e-04	0.0	301.2	4225.99	-140.00	16.25	299.37	189.49	2907.41
125	1	3332.48	207.80	-3.96e-03	-105.70	0.0	3841.37	-214.54	6.99	234.39	186.74	3332.48
		2527.11	186.74	5.47e-04	0.0	301.2	3841.37	-320.23	6.99	234.39	207.80	2527.11
125	2	3137.06	223.48	-3.43e-03	-105.70	0.0	3896.93	-204.80	11.28	218.21	189.49	3137.06
		2361.04	189.49	-4.18e-04	0.0	301.2	3896.93	-310.49	11.28	218.21	223.48	2361.04
126	1	3005.97	207.80	-6.02e-03	-105.70	0.0	3186.46	-376.75	-5.81	143.34	207.80	3005.97
		1712.00	190.29	5.54e-04	0.0	301.2	3186.46	-482.45	-5.81	143.34	190.29	1712.00
126	2	2849.14	231.91	-5.37e-03	-105.70	0.0	3229.63	-365.55	2.80	123.82	223.48	2849.14
		1588.92	223.48	-4.31e-04	0.0	301.2	3229.63	-471.25	2.80	123.82	231.91	1588.92
127	1	2463.43	190.29	-7.57e-03	-105.70	0.0	2177.25	-533.90	-20.04	42.86	190.29	2463.43
		696.14	129.92	5.43e-04	0.0	301.2	2177.25	-639.60	-20.04	42.86	129.92	696.14
127	2	2352.51	231.91	-6.84e-03	-105.70	0.0	2202.24	-518.95	-2.79	13.40	231.91	2352.51
		630.24	223.50	-4.32e-04	0.0	301.2	2202.24	-624.65	-2.79	13.40	223.50	630.24
128	1	1693.43	129.92	-8.44e-03	-105.70	0.0	852.48	-698.31	-42.75	-47.99	129.92	1693.43
		-569.05	1.14	5.10e-04	0.0	301.2	852.48	-804.00	-42.75	-47.99	1.14	-569.05
128	2	1678.79	223.50	-7.68e-03	-105.70	0.0	810.12	-679.75	-69.65	-49.65	223.50	1678.79
		-527.78	13.71	-4.62e-04	0.0	301.2	810.12	-785.44	-69.65	-49.65	13.71	-527.78
129	1	2385.70	-170.40	-7.70e-03	-110.96	0.0	1694.19	554.21	12.93	307.21	-211.28	808.73
		808.73	-211.28	-4.38e-04	0.0	316.2	1694.19	443.25	12.93	307.21	-170.40	2385.70
129	2	2382.15	-161.40	-7.17e-03	-110.96	0.0	1928.49	581.75	9.16	257.20	-190.36	718.09
		718.09	-190.36	-8.41e-04	0.0	316.2	1928.49	470.79	9.16	257.20	-161.40	2382.15
130	1	2944.22	-96.74	-5.96e-03	-110.96	0.0	2421.43	396.71	23.30	389.88	-170.40	1865.25
		1865.25	-170.40	-4.36e-04	0.0	316.2	2421.43	285.75	23.30	389.88	-96.74	2944.22
130	2	2886.14	-100.34	-5.49e-03	-110.96	0.0	2843.04	426.03	19.31	340.84	-161.40	1714.45
		1714.45	-161.40	-8.45e-04	0.0	316.2	2843.04	315.07	19.31	340.84	-100.34	2886.14
131	1	3196.82	25.25	-3.67e-03	-110.96	0.0	2905.89	244.54	38.58	428.52	-96.74	2599.03
		2599.03	-96.74	-4.29e-04	0.0	316.2	2905.89	133.58	38.58	428.52	25.25	3196.82
131	2	3094.39	-1.07	-3.31e-03	-110.96	0.0	3495.41	272.27	31.39	381.92	-100.34	2408.91
		2408.91	-100.34	-8.37e-04	0.0	316.2	3495.41	161.31	31.39	381.92	-1.07	3094.39
132	1	3159.74	137.54	-1.10e-03	-110.96	0.0	3110.95	87.96	35.51	432.80	25.25	3049.58
		3049.58	25.25	-4.46e-04	0.0	316.2	3110.95	-23.00	35.51	432.80	137.54	3159.74
132	2	3009.39	86.32	-8.95e-04	-110.96	0.0	3854.99	113.23	27.64	388.40	-1.07	2826.77
		2826.77	-1.07	-8.43e-04	0.0	316.2	3854.99	2.27	27.64	388.40	86.32	3009.39
133	1	3218.52	235.41	-1.54e-03	-110.96	0.0	3018.40	-71.36	30.95	396.49	137.54	3218.52
		2817.46	137.54	-4.81e-04	0.0	316.2	3018.40	-182.32	30.95	396.49	235.41	2817.46
133	2	2968.16	152.67	-1.60e-03	-110.96	0.0	3902.45	-48.38	20.99	357.44	86.32	2968.16
		2639.75	86.32	-8.55e-04	0.0	316.2	3902.45	-159.34	20.99	357.44	152.67	2639.75
134	1	3106.49	322.62	-3.98e-03	-110.96	0.0	2617.71	-229.93	27.58	322.30	235.41	3106.49
		2204.02	235.41	-5.29e-04	0.0	316.2	2617.71	-340.89	27.58	322.30	322.62	2204.02
134	2	2833.71	201.18	-3.85e-03	-110.96	0.0	3628.67	-208.71	15.34	292.03	152.67	2833.71
		1998.36	152.67	-8.66e-04	0.0	316.2	3628.67	-319.67	15.34	292.03	201.18	1998.36
135	1	2717.57	390.21	-6.00e-03	-110.96	0.0	1904.54	-385.56	21.38	212.00	322.62	2717.57
		1323.00	322.62	-5.85e-04	0.0	316.2	1904.54	-496.52	21.38	212.00	390.21	1323.00
135	2	2431.44	226.33	-5.67e-03	-110.96	0.0	3028.24	-364.92	7.95	195.22	201.18	2431.44
		1102.13	201.18	-8.71e-04	0.0	316.2	3028.24	-475.88	7.95	195.22	226.33	1102.13
136	1	2061.38	390.21	-7.38e-03	-110.96	0.0	875.89	-541.76	-10.46	78.40	390.21	2061.38
		172.92	357.14	-6.46e-04	0.0	316.2	875.89	-652.72	-10.46	78.40	357.14	172.92
136	2	1773.76	226.33	-6.83e-03	-110.96	0.0	2101.92	-519.23	-13.99	76.68	226.33	1773.76
		-43.49	182.09	-8.62e-04	0.0	316.2	2101.92	-630.19	-13.99	76.68	182.09	-43.49
137	1	1159.86	357.14	-7.89e-03	-110.96	0.0	-478.11	-724.65	-122.49	-12.67	357.14	1159.86
		-1306.91	-30.18	7.10e-04	0.0	316.2	-478.11	-835.61	-122.49	-12.67	-30.18	-1306.91
137	2	878.53	182.09	-7.13e-03	-110.96	0.0	854.72	-692.80	-83.05	-12.95	182.09	878.53
		-1487.54	-80.51	-8.47e-04	0.0	316.2	854.72	-803.76	-83.05	-12.95	-80.51	-1487.54
138	1	2285.68	-238.73	-6.90e-03	-105.70	0.0	1502.94	576.64	8.50	260.90	-264.32	708.04
		708.04	-264.32	5.89e-04	0.0	301.2	1502.94	470.94	8.50	260.90	-238.73	2285.68
138	2	1907.43	-240.76	-6.20e-03	-105.70	0.0	1477.50	599.22	12.10	200.98	-277.22	261.76
		261.76	-277.22	-4.23e-04	0.0	301.2	1477.50	493.52	12.10	200.98	-240.76	1907.43
139	1	2860.50	-156.12	-5.41e-03	-105.70	0.0	2323.90	435.98	27.42	353.39	-238.73	1706.51
		1706.51	-238.73	5.70e-04	0.0	301.2	2323.90	330.28	27.42	353.39	-156.12	2860.50
139	2	2518.58	-159.41	-5.01e-03	-105.70	0.0	2337.55	456.06	27.01	311.02	-240.76	1304.11
		1304.11	-240.76	-4.19e-04	0.0	301.2	2337.55	350.36	27.01	311.02	-159.41	2518.58
140	1	3168.18	-54.31	-3.42e-03	-105.70	0.0	2907.85	292.23	33.80	408.62	-156.12	2447.16
		2447.16	-156.12	5.50e-04	0.0	301.2	2907.85	186.53	33.80	408.62	-54.31	3168.18
140	2	2870.59	-55.62	-3.29e-03	-105.70	0.0	2948.34	311.99	34.46	377.68	-159.41	2090.04
		2090.04	-159.41	-4.09e-04	0.0	301.2	2948.34	206.30	34.46	377.68	-55.62	2870.59
141	1	3200.38	42.05	-1.13e-03	-105.70	0.0	3237.72	141.82	31.99	424.50	-54.31	2932.39
		2932.39	-54.31	5.39e-04	0.0	301.2	3237.72	36.13	31.99	424.50	42.05	3200.38
141	2	2948.05	38.41	-1.23e-03	-105.70	0.0	3300.82	161.35	31.22	402.86	-55.62	2621.23
		2621.23	-55.62	-4.07e-04	0.0	301.2	3300.82	55.66	31.22	402.86	38.41	2948.05
142	1	3163.02	125.02	-1.26e-03	-105.70	0.0	3289.91	-12.48	27.55	403.96	42.05	3163.02

		2966.24	42.05	5.38e-04	0.0	301.2	3289.91	-118.18	27.55	403.96	125.02	2966.24
142	2	2895.46	118.64	-9.62e-04	-105.70	0.0	3377.04	6.74	26.63	388.07	38.41	2894.81
		2755.94	38.41	-4.09e-04	0.0	301.2	3377.04	-98.95	26.63	388.07	118.64	2755.94
143	1	3141.83	194.72	-3.55e-03	-105.70	0.0	3048.63	-166.67	23.14	350.73	125.02	3141.83
		2480.63	125.02	5.45e-04	0.0	301.2	3048.63	-272.37	23.14	350.73	194.72	2480.63
143	2	2912.70	194.63	-3.08e-03	-105.70	0.0	3162.54	-148.05	25.23	336.67	118.64	2912.70
		2307.60	118.64	-4.16e-04	0.0	301.2	3162.54	-253.74	25.23	336.67	194.63	2307.60
144	1	2877.28	229.54	-5.55e-03	-105.70	0.0	2504.88	-317.25	11.56	272.94	194.72	2877.28
		1762.55	194.72	5.60e-04	0.0	301.2	2504.88	-422.95	11.56	272.94	229.54	1762.55
144	2	2684.93	235.99	-4.94e-03	-105.70	0.0	2644.83	-299.72	13.73	260.56	194.63	2684.93
		1622.99	194.63	-4.32e-04	0.0	301.2	2644.83	-405.42	13.73	260.56	235.99	1622.99
145	1	2376.89	229.54	-7.09e-03	-105.70	0.0	1667.68	-465.83	-10.05	180.09	229.54	2376.89
		814.63	199.27	5.73e-04	0.0	301.2	1667.68	-571.53	-10.05	180.09	199.27	814.63
145	2	2209.97	235.99	-6.37e-03	-105.70	0.0	1842.73	-451.80	-9.63	168.87	235.99	2209.97
		689.99	207.00	-4.49e-04	0.0	301.2	1842.73	-557.49	-9.63	168.87	207.00	689.99
146	1	1663.76	199.27	-8.00e-03	-105.70	0.0	537.49	-628.37	-49.39	107.71	199.27	1663.76
		-388.07	50.52	5.89e-04	0.0	301.2	537.49	-734.07	-49.39	107.71	50.52	-388.07
146	2	1499.52	207.00	-7.16e-03	-105.70	0.0	761.99	-620.53	-45.95	90.97	207.00	1499.52
		-528.68	68.61	-4.64e-04	0.0	301.2	761.99	-726.22	-45.95	90.97	68.61	-528.68
147	1	2335.01	-224.48	-7.49e-03	-110.96	0.0	1725.27	544.50	22.28	233.90	-294.93	788.72
		788.72	-294.93	-4.26e-04	0.0	316.2	1725.27	433.54	22.28	233.90	-224.48	2335.01
147	2	2334.40	-180.80	-7.11e-03	-110.96	0.0	1963.08	569.93	1.21	207.50	-184.64	707.71
		707.71	-184.64	-8.23e-04	0.0	316.2	1963.08	458.97	1.21	207.50	-180.80	2334.40
148	1	2842.71	-119.22	-5.80e-03	-110.96	0.0	2471.41	385.65	33.29	330.53	-224.48	1798.72
		1798.72	-224.48	-4.10e-04	0.0	316.2	2471.41	274.69	33.29	330.53	-119.22	2842.71
148	2	2809.42	-111.09	-5.47e-03	-110.96	0.0	2843.26	298.35	22.05	293.51	-180.80	1690.61
		1690.61	-180.80	-8.22e-04	0.0	316.2	2843.26	298.35	22.05	293.51	-111.09	2809.42
149	1	3090.33	-16.75	-3.58e-03	-110.96	0.0	2901.99	230.52	32.41	394.77	-119.22	2536.86
		2536.86	-119.22	-4.13e-04	0.0	316.2	2901.99	119.56	32.41	394.77	-16.75	3090.33
149	2	3019.46	-34.47	-3.33e-03	-110.96	0.0	3413.14	253.22	24.23	356.92	-111.09	2394.22
		2394.22	-111.09	-8.29e-04	0.0	316.2	3413.14	142.26	24.23	356.92	-34.47	3019.46
150	1	3070.96	94.24	-1.08e-03	-110.96	0.0	3050.16	76.37	35.10	415.40	-16.75	2987.86
		2987.86	-16.75	-4.26e-04	0.0	316.2	3050.16	-34.59	35.10	415.40	94.24	3053.91
150	2	2953.21	52.41	-9.39e-04	-110.96	0.0	3693.78	98.71	27.48	381.30	-34.47	2814.41
		2814.41	-34.47	-8.37e-04	0.0	316.2	3693.78	-12.25	27.48	381.30	52.41	2951.11
151	1	3158.61	201.00	-1.49e-03	-110.96	0.0	2910.80	-77.75	33.76	398.04	94.24	3158.61
		2737.33	94.24	-4.58e-04	0.0	316.2	2910.80	-188.71	33.76	398.04	201.00	2737.33
151	2	2959.81	137.98	-1.52e-03	-110.96	0.0	3679.90	-55.11	27.06	369.66	52.41	2959.81
		2610.11	52.41	-8.53e-04	0.0	316.2	3679.90	-166.07	27.06	369.66	137.98	2610.11
152	1	3051.09	302.09	-3.88e-03	-110.96	0.0	2481.04	-230.84	31.97	340.22	201.00	3051.09
		2145.75	201.00	-5.05e-04	0.0	316.2	2481.04	-341.80	31.97	340.22	302.09	2145.75
152	2	2833.89	210.74	-3.77e-03	-110.96	0.0	3368.82	-207.07	23.01	321.41	137.98	2833.89
		2003.70	137.98	-8.75e-04	0.0	316.2	3368.82	-318.03	23.01	321.41	210.74	2003.70
153	1	2668.52	380.32	-5.86e-03	-110.96	0.0	1758.74	-381.73	24.74	242.95	302.09	2668.52
		1286.07	302.09	-5.64e-04	0.0	316.2	1758.74	-492.69	24.74	242.95	380.32	1286.07
153	2	2436.65	259.02	-5.59e-03	-110.96	0.0	2766.39	-356.62	15.27	235.10	210.74	2436.65
		1133.59	210.74	-8.96e-04	0.0	316.2	2766.39	-467.58	15.27	235.10	259.02	1133.59
154	1	2017.71	380.32	-7.21e-03	-110.96	0.0	742.78	-532.47	-7.21	118.46	380.32	2017.71
		158.63	357.52	-6.29e-04	0.0	316.2	742.78	-643.43	-7.21	118.46	357.52	158.63
154	2	1778.63	259.02	-6.77e-03	-110.96	0.0	1868.91	-506.25	-11.87	122.22	259.02	1778.63
		2.45	221.50	-9.09e-04	0.0	316.2	1868.91	-617.21	-11.87	122.22	221.50	2.45
155	1	1128.80	357.52	-7.70e-03	-110.96	0.0	-584.29	-704.98	-111.37	28.98	357.52	1128.80
		-1275.77	5.37	-6.97e-04	0.0	316.2	-584.29	-815.94	-111.37	28.98	5.37	-1275.77
155	2	886.79	221.50	-7.09e-03	-110.96	0.0	662.77	-677.64	-88.77	33.79	221.50	886.79
		-1431.34	-59.20	-9.14e-04	0.0	316.2	662.77	-788.60	-88.77	33.79	-59.20	-1431.34
156	1	2281.14	-271.86	-6.82e-03	-105.70	0.0	1606.35	565.89	5.11	198.94	-287.25	735.86
		735.86	-287.25	5.95e-04	0.0	301.2	1606.35	460.19	5.11	198.94	-271.86	2281.14
156	2	1999.75	-299.67	-6.17e-03	-105.70	0.0	1350.82	582.00	12.37	131.27	-336.93	405.95
		405.95	-336.93	-4.47e-04	0.0	301.2	1350.82	476.30	12.37	131.27	-299.67	1999.75
157	1	2800.49	-188.45	-5.34e-03	-105.70	0.0	2412.23	415.89	27.69	295.42	-271.86	1707.00
		1707.00	-271.86	5.65e-04	0.0	301.2	2412.23	310.20	27.69	295.42	-188.45	2800.49
157	2	2516.95	-200.68	-4.92e-03	-105.70	0.0	2241.23	434.48	32.86	245.31	-299.67	1367.48
		1367.48	-299.67	-4.19e-04	0.0	301.2	2241.23	328.78	32.86	245.31	-200.68	2516.95
158	1	3086.69	-97.53	-3.38e-03	-105.70	0.0	2933.89	270.07	30.19	369.62	-188.45	2432.43
		2432.43	-188.45	5.47e-04	0.0	301.2	2933.89	164.37	30.19	369.62	-97.53	3086.69
158	2	2821.63	-104.46	-3.19e-03	-105.70	0.0	2825.39	290.20	31.95	334.76	-200.68	2106.73
		2106.73	-200.68	-4.11e-04	0.0	301.2	2825.39	184.50	31.95	334.76	-104.46	2821.63
159	1	3126.05	-6.51	-1.13e-03	-105.70	0.0	3189.32	124.75	30.22	407.91	-97.53	2909.49
		2909.49	-97.53	5.38e-04	0.0	301.2	3189.32	19.05	30.22	407.91	-6.51	3126.05
159	2	2888.27	-12.95	-1.16e-03	-105.70	0.0	3132.70	145.46	30.38	384.18	-104.46	2609.32
		2609.32	-104.46	-4.09e-04	0.0	301.2	3132.70	39.77	30.38	384.18	-12.95	2888.27
160	1	3137.05	81.91	-1.22e-03	-105.70	0.0	3182.59	-20.28	29.36	410.95	-6.51	3137.05

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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160	2	2916.80	-6.51	5.38e-04	0.0	301.2	3182.59	-125.97	29.36	410.95	81.91	2916.80
		2868.22	69.23	-1.00e-03	-105.70	0.0	3171.33	-0.04	27.28	396.54	-12.95	2868.22
		2708.93	-12.95	-4.14e-04	0.0	301.2	3171.33	-105.73	27.28	396.54	69.23	2708.93
161	1	3117.33	164.52	-3.49e-03	-105.70	0.0	2911.77	-164.43	27.43	379.53	81.91	3117.33
		2462.88	81.91	5.46e-04	0.0	301.2	2911.77	-270.13	27.43	379.53	164.52	2462.88
161	2	2880.44	141.89	-3.10e-03	-105.70	0.0	2942.87	-145.75	24.12	372.90	69.23	2880.44
		2282.26	69.23	-4.23e-04	0.0	301.2	2942.87	-251.45	24.12	372.90	141.89	2282.26
162	1	2854.88	241.19	-5.48e-03	-105.70	0.0	2373.34	-307.87	25.45	312.42	164.52	2854.88
		1768.41	164.52	5.59e-04	0.0	301.2	2373.34	-413.56	25.45	312.42	241.19	1768.41
162	2	2648.65	227.81	-4.94e-03	-105.70	0.0	2443.04	-292.11	28.53	308.78	141.89	2648.65
		1609.63	141.89	-4.29e-04	0.0	301.2	2443.04	-397.81	28.53	308.78	227.81	1609.63
163	1	2361.24	241.19	-7.02e-03	-105.70	0.0	1556.25	-452.89	-0.49	227.87	241.19	2361.24
		837.95	239.71	5.86e-04	0.0	301.2	1556.25	-558.59	-0.49	227.87	239.71	837.95
163	2	2190.16	232.17	-6.35e-03	-105.70	0.0	1647.31	-439.03	1.45	231.41	227.81	2190.16
		708.61	227.81	-4.57e-04	0.0	301.2	1647.31	-544.73	1.45	231.41	232.17	708.61
164	1	1640.02	239.71	-7.92e-03	-105.70	0.0	471.81	-619.72	-48.79	154.48	239.71	1640.02
		-385.75	92.77	6.17e-04	0.0	301.2	471.81	-725.41	-48.79	154.48	92.77	-385.75
164	2	1498.62	232.17	-7.15e-03	-105.70	0.0	582.74	-605.27	-42.21	159.91	232.17	1498.62
		-483.63	105.02	-4.88e-04	0.0	301.2	582.74	-710.96	-42.21	159.91	105.02	-483.63
165	1	2328.34	-267.81	-7.43e-03	-110.96	0.0	1744.94	543.33	5.26	225.32	-284.43	785.77
		785.77	-284.43	-4.42e-04	0.0	316.2	1744.94	432.37	5.26	225.32	-267.81	2328.34
165	2	2322.67	-191.37	-7.15e-03	-110.96	0.0	1988.34	571.47	4.61	196.70	-205.94	691.12
		691.12	-205.94	-8.07e-04	0.0	316.2	1988.34	460.51	4.61	196.70	-191.37	2322.67
166	1	2828.83	-150.25	-5.75e-03	-110.96	0.0	2509.51	386.69	37.18	313.78	-267.81	1781.55
		1781.55	-267.81	-4.00e-04	0.0	316.2	2509.51	275.73	37.18	313.78	-150.25	2828.83
166	2	2806.52	-119.72	-5.52e-03	-110.96	0.0	2874.63	412.53	22.66	290.62	-191.37	1677.54
		1677.54	-191.37	-8.07e-04	0.0	316.2	2874.63	301.57	22.66	290.62	-119.72	2806.52
167	1	3063.09	-30.53	-3.55e-03	-110.96	0.0	2964.77	231.64	37.86	383.25	-150.25	2506.06
		2506.06	-150.25	-3.92e-04	0.0	316.2	2964.77	120.68	37.86	383.25	-30.53	3063.09
167	2	3021.85	-32.74	-3.38e-03	-110.96	0.0	3453.54	256.48	27.51	357.49	-119.72	2386.30
		2386.30	-119.72	-8.15e-04	0.0	316.2	3453.54	145.52	27.51	357.49	-32.74	3021.85
168	1	3044.79	79.00	-1.07e-03	-110.96	0.0	3110.09	75.24	34.64	413.15	-30.53	2964.16
		2964.16	-30.53	-4.06e-04	0.0	316.2	3110.09	-35.72	34.64	413.15	79.00	3026.62
168	2	2966.02	51.52	-9.82e-04	-110.96	0.0	3724.63	99.46	26.65	389.13	-32.74	2825.15
		2825.15	-32.74	-8.30e-04	0.0	316.2	3724.63	-11.50	26.65	389.13	51.52	2966.02
169	1	3145.67	187.93	-1.48e-03	-110.96	0.0	2954.35	-81.63	34.45	401.29	79.00	3145.67
		2712.13	79.00	-4.36e-04	0.0	316.2	2954.35	-192.59	34.45	401.29	187.93	2712.13
169	2	2988.70	140.14	-1.49e-03	-110.96	0.0	3691.62	-57.87	28.03	381.42	51.52	2988.70
		2630.28	51.52	-8.50e-04	0.0	316.2	3691.62	-168.83	28.03	381.42	140.14	2630.28
170	1	3048.85	292.37	-3.86e-03	-110.96	0.0	2497.11	-237.70	33.03	350.14	187.93	3048.85
		2121.79	187.93	-4.83e-04	0.0	316.2	2497.11	-348.66	33.03	350.14	292.37	2121.79
170	2	2877.76	234.55	-3.76e-03	-110.96	0.0	3350.94	-214.24	29.86	334.27	140.14	2877.76
		2024.92	140.14	-8.76e-04	0.0	316.2	3350.94	-325.20	29.86	334.27	234.55	2024.92
171	1	2671.58	380.07	-5.83e-03	-110.96	0.0	1741.23	-390.70	27.74	258.03	292.37	2671.58
		1260.76	292.37	-5.42e-04	0.0	316.2	1741.23	-501.66	27.74	258.03	380.07	1260.76
171	2	2492.16	296.54	-5.61e-03	-110.96	0.0	2703.01	-366.89	19.61	251.75	234.55	2492.16
		1156.63	234.55	-9.13e-04	0.0	316.2	2703.01	-477.85	19.61	251.75	296.54	1156.63
172	1	2018.80	380.07	-7.17e-03	-110.96	0.0	688.99	-539.28	-3.73	135.91	380.07	2018.80
		138.16	368.29	-6.09e-04	0.0	316.2	688.99	-650.24	-3.73	135.91	368.29	138.16
172	2	1824.92	296.54	-6.82e-03	-110.96	0.0	1770.08	-517.04	-11.22	138.32	296.54	1824.92
		14.62	261.07	-9.45e-04	0.0	316.2	1770.08	-628.00	-11.22	138.32	261.07	14.62
173	1	1113.84	368.29	-7.65e-03	-110.96	0.0	-656.42	-700.21	-111.74	41.05	368.29	1113.84
		-1275.66	14.96	-6.77e-04	0.0	316.2	-656.42	-811.17	-111.74	41.05	14.96	-1275.66
173	2	908.64	261.07	-7.16e-03	-110.96	0.0	539.27	-682.65	-104.55	49.35	261.07	908.64
		-1425.31	-69.51	-9.65e-04	0.0	316.2	539.27	-793.61	-104.55	49.35	-69.51	-1425.31
174	1	2288.11	-290.91	-6.86e-03	-105.70	0.0	1644.96	570.65	-0.96	195.65	-290.91	728.49
		728.49	-293.80	6.13e-04	0.0	301.2	1644.96	464.95	-0.96	195.65	-293.80	2288.11
174	2	2094.72	-327.46	-6.31e-03	-105.70	0.0	1229.24	582.69	0.59	137.85	-329.24	498.82
		498.82	-329.24	-4.93e-04	0.0	301.2	1229.24	477.00	0.59	137.85	-327.46	2094.72
175	1	2814.30	-207.16	-5.37e-03	-105.70	0.0	2472.47	422.73	28.77	291.23	-293.80	1700.21
		1700.21	-293.80	5.72e-04	0.0	301.2	2472.47	317.04	28.77	291.23	-207.16	2814.30
175	2	2601.64	-228.60	-4.99e-03	-105.70	0.0	2145.64	437.83	32.82	242.27	-327.46	1442.07
		1442.07	-327.46	-4.45e-04	0.0	301.2	2145.64	332.14	32.82	242.27	-228.60	2601.64
176	1	3099.21	-107.19	-3.41e-03	-105.70	0.0	3022.07	276.56	33.19	367.28	-207.16	2425.39
		2425.39	-207.16	5.48e-04	0.0	301.2	3022.07	170.86	33.19	367.28	-107.19	3099.21
176	2	2883.72	-118.68	-3.22e-03	-105.70	0.0	2772.41	294.13	36.50	329.08	-228.60	2156.97
		2156.97	-228.60	-4.21e-04	0.0	301.2	2772.41	188.44	36.50	329.08	-118.68	2883.72
177	1	3139.54	-11.72	-1.16e-03	-105.70	0.0	3291.20	128.73	31.70	409.31	-107.19	2910.98
		2910.98	-107.19	5.37e-04	0.0	301.2	3291.20	23.03	31.70	409.31	-11.72	3139.54
177	2	2935.80	-20.10	-1.14e-03	-105.70	0.0	3106.89	148.18	32.73	381.94	-118.68	2648.64
		2648.64	-118.68	-4.15e-04	0.0	301.2	3106.89	42.49	32.73	381.94	-20.10	2935.80
178	1	3152.52	79.56	-1.21e-03	-105.70	0.0	3280.86	-19.68	30.31	415.48	-11.72	3152.52

178	2	2934.08	-11.72	5.38e-04	0.0	301.2	3280.86	-125.37	30.31	415.48	79.56	2934.08
		2906.88	67.41	-1.05e-03	-105.70	0.0	3155.33	1.20	29.05	398.05	-20.10	2906.88
		2751.32	-20.10	-4.21e-04	0.0	301.2	3155.33	-104.49	29.05	398.05	67.41	2751.32
179	1	3146.45	164.17	-3.49e-03	-105.70	0.0	2993.46	-167.50	28.09	386.90	79.56	3146.45
		2482.75	79.56	5.47e-04	0.0	301.2	2993.46	-273.20	28.09	386.90	164.17	2482.75
179	2	2925.11	136.97	-3.18e-03	-105.70	0.0	2922.65	-145.89	23.09	380.20	67.41	2925.11
		2326.51	67.41	-4.34e-04	0.0	301.2	2922.65	-251.58	23.09	380.20	136.97	2326.51
180	1	2892.24	224.57	-5.50e-03	-105.70	0.0	2431.17	-314.50	20.05	326.64	164.17	2892.24
		1785.79	164.17	5.65e-04	0.0	301.2	2431.17	-420.20	20.05	326.64	224.57	1785.79
180	2	2699.89	171.08	-5.06e-03	-105.70	0.0	2413.72	-293.68	11.33	332.97	136.97	2699.89
		1656.15	136.97	-4.51e-04	0.0	301.2	2413.72	-399.37	11.33	332.97	171.08	1656.15
181	1	2392.33	261.25	-7.06e-03	-105.70	0.0	1596.31	-465.10	12.18	233.82	224.57	2392.33
		832.26	224.57	5.80e-04	0.0	301.2	1596.31	-470.80	12.18	233.82	261.25	832.26
181	2	2230.63	246.67	-6.50e-03	-105.70	0.0	1630.61	-448.32	25.10	240.45	171.08	2230.63
		721.11	171.08	-4.46e-04	0.0	301.2	1630.61	-554.02	25.10	240.45	246.67	721.11
182	1	1666.83	261.25	-7.96e-03	-105.70	0.0	466.45	-633.08	-52.86	169.93	261.25	1666.83
		-399.19	102.05	6.28e-04	0.0	301.2	466.45	-738.78	-52.86	169.93	102.05	-399.19
182	2	1539.45	246.67	-7.32e-03	-105.70	0.0	528.19	-614.58	-38.93	185.14	246.67	1539.45
		-470.85	129.42	-4.95e-04	0.0	301.2	528.19	-720.28	-38.93	185.14	129.42	-470.85
183	1	2315.67	-284.04	-7.41e-03	-110.96	0.0	1798.59	539.24	20.99	208.74	-350.42	2315.67
		786.03	-350.42	-4.32e-04	0.0	316.2	1798.59	428.28	20.99	208.74	-284.04	786.03
183	2	2325.85	-208.83	-7.20e-03	-110.96	0.0	2023.33	570.17	3.23	200.40	-219.03	2325.85
		698.39	-219.03	-8.00e-04	0.0	316.2	2023.33	459.21	3.23	200.40	-208.83	698.39
184	1	2823.10	-173.81	-5.73e-03	-110.96	0.0	2572.17	383.44	34.86	317.38	-284.04	2823.10
		1786.10	-284.04	-3.98e-04	0.0	316.2	2572.17	272.48	34.86	317.38	-173.81	1786.10
184	2	2812.08	-125.49	-5.56e-03	-110.96	0.0	2934.22	412.43	26.36	297.33	-208.83	2812.08
		1683.41	-208.83	-7.96e-04	0.0	316.2	2934.22	301.47	26.36	297.33	-125.49	1683.41
185	1	3053.06	-44.41	-3.53e-03	-110.96	0.0	3045.61	229.72	40.92	387.12	-173.81	3053.06
		2502.10	-173.81	-3.79e-04	0.0	316.2	3045.61	118.76	40.92	387.12	-44.41	2502.10
185	2	3032.77	-29.53	-3.42e-03	-110.96	0.0	3527.22	256.86	30.35	368.38	-125.49	3032.77
		2396.01	-125.49	-8.04e-04	0.0	316.2	3527.22	145.90	30.35	368.38	-29.53	2396.01
186	1	3028.55	80.00	-1.06e-03	-110.96	0.0	3204.65	74.22	39.35	416.52	-44.41	3028.55
		2950.12	-44.41	-3.85e-04	0.0	316.2	3204.65	-36.74	39.35	416.52	80.00	2950.12
186	2	2980.58	66.00	-1.01e-03	-110.96	0.0	3806.18	100.50	30.21	400.08	-29.53	2980.58
		2836.83	-29.53	-8.21e-04	0.0	316.2	3806.18	-10.46	30.21	400.08	66.00	2836.83
187	1	3128.90	199.31	-1.48e-03	-110.96	0.0	3045.18	-82.18	37.73	402.47	80.00	3128.90
		2693.63	80.00	-4.13e-04	0.0	316.2	3045.18	-193.14	37.73	402.47	199.31	2693.63
187	2	3004.54	159.86	-1.47e-03	-110.96	0.0	3769.85	-56.23	29.68	390.57	66.00	3004.54
		2651.33	66.00	-8.47e-04	0.0	316.2	3769.85	-167.19	29.68	390.57	159.86	2651.33
188	1	3033.65	318.23	-3.84e-03	-110.96	0.0	2569.56	-238.04	37.61	343.61	199.31	3033.65
		2105.54	199.31	-4.59e-04	0.0	316.2	2569.56	-349.00	37.61	343.61	318.23	2105.54
188	2	2897.45	258.19	-3.76e-03	-110.96	0.0	3418.38	-212.46	31.10	337.71	159.86	2897.45
		2050.23	159.86	-8.77e-04	0.0	316.2	3418.38	-323.42	31.10	337.71	258.19	2050.23
189	1	2663.88	413.16	-5.80e-03	-110.96	0.0	1777.06	-392.20	30.02	241.43	318.23	2663.88
		1248.32	318.23	-5.20e-04	0.0	316.2	1777.06	-503.16	30.02	241.43	413.16	1248.32
189	2	2519.04	362.19	-5.64e-03	-110.96	0.0	2746.25	-368.16	32.89	238.30	258.19	2519.04
		1179.50	258.19	-9.13e-04	0.0	316.2	2746.25	-479.12	32.89	238.30	362.19	1179.50
190	1	2025.29	413.16	-7.13e-03	-110.96	0.0	662.91	-547.34	-2.05	102.58	413.16	2025.29
		119.18	406.67	-5.88e-04	0.0	316.2	662.91	-658.30	-2.05	102.58	406.67	119.18
190	2	1878.36	362.19	-6.88e-03	-110.96	0.0	1739.09	-524.23	-10.89	117.41	362.19	1878.36
		45.32	327.76	-9.68e-04	0.0	316.2	1739.09	-635.19	-10.89	117.41	327.76	45.32
191	1	1156.46	406.67	-7.61e-03	-110.96	0.0	-812.45	-723.21	-125.47	-8.10	406.67	1156.46
		-1305.75	9.92	-6.55e-04	0.0	316.2	-812.45	-834.17	-125.47	-8.10	9.92	-1305.75
191	2	974.76	327.76	-7.25e-03	-110.96	0.0	415.70	-707.31	-117.36	16.91	327.76	974.76
		-1437.19	-43.34	-1.01e-03	0.0	316.2	415.70	-818.27	-117.36	16.91	-43.34	-1437.19
192	1	2285.97	-302.26	-6.90e-03	-105.70	0.0	1712.39	569.61	-1.92	190.14	-302.26	2285.97
		729.48	-308.03	6.22e-04	0.0	301.2	1712.39	463.92	-1.92	190.14	-308.03	729.48
192	2	2154.20	-337.90	-6.45e-03	-105.70	0.0	1152.68	589.20	-1.84	141.03	-337.90	2154.20
		538.71	-343.46	-5.29e-04	0.0	301.2	1152.68	483.50	-1.84	141.03	-343.46	538.71
193	1	2823.86	-222.22	-5.41e-03	-105.70	0.0	2561.44	423.66	28.49	294.08	-308.03	2823.86
		1706.99	-308.03	5.83e-04	0.0	301.2	2561.44	317.96	28.49	294.08	-222.22	1706.99
193	2	2672.77	-253.41	-5.10e-03	-105.70	0.0	2106.33	442.68	29.90	252.02	-343.46	2672.77
		1498.60	-343.46	-4.80e-04	0.0	301.2	2106.33	336.98	29.90	252.02	-253.41	1498.60
194	1	3115.07	-116.57	-3.44e-03	-105.70	0.0	3133.32	278.59	35.08	373.52	-222.22	3115.07
		2435.15	-222.22	5.56e-04	0.0	301.2	3133.32	172.89	35.08	373.52	-116.57	2435.15
194	2	2954.00	-138.21	-3.27e-03	-105.70	0.0	2768.65	297.01	38.25	339.01	-253.41	2954.00
		2218.58	-253.41	-4.46e-04	0.0	301.2	2768.65	191.31	38.25	339.01	-138.21	2218.58
195	1	3156.14	-13.32	-1.18e-03	-105.70	0.0	3422.96	131.32	34.28	416.78	-116.57	3156.14
		2919.78	-116.57	5.42e-04	0.0	301.2	3422.96	25.62	34.28	416.78	-13.32	2919.78
195	2	2994.69	-26.02	-1.15e-03	-105.70	0.0	3134.81	149.25	37.25	391.47	-138.21	2994.69
		2704.34	-138.21	-4.30e-04	0.0	301.2	3134.81	43.55	37.25	391.47	-26.02	2704.34
196	1	3160.29	88.93	-1.20e-03	-105.70	0.0	3424.83	-17.20	33.95	420.83	-13.32	3160.29

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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196	2	2949.29	-13.32	5.39e-04	0.0	301.2	3424.83	-122.90	33.95	420.83	88.93	2949.29
		2954.36	79.36	-1.08e-03	-105.70	0.0	3200.46	0.38	34.98	405.62	-26.02	2954.36
		2796.32	-26.02	-4.31e-04	0.0	301.2	3200.46	-105.32	34.98	405.62	79.36	2796.32
197	1	3157.42	183.95	-3.49e-03	-105.70	0.0	3133.44	-165.61	31.55	387.46	88.93	3157.42
		2499.43	88.93	5.49e-04	0.0	301.2	3133.44	-271.30	31.55	387.46	183.95	2499.43
197	2	2966.87	171.14	-3.25e-03	-105.70	0.0	2963.73	-148.10	30.47	381.95	79.36	2966.87
		2361.60	79.36	-4.45e-04	0.0	301.2	2963.73	-253.80	30.47	381.95	171.14	2361.60
198	1	2911.04	248.88	-5.51e-03	-105.70	0.0	2548.44	-314.29	21.56	319.73	183.95	2911.04
		1805.21	183.95	5.68e-04	0.0	301.2	2548.44	-419.99	21.56	319.73	248.88	1805.21
198	2	2742.06	217.85	-5.15e-03	-105.70	0.0	2424.91	-295.71	15.51	325.27	171.14	2742.06
		1692.21	171.14	-4.68e-04	0.0	301.2	2424.91	-401.41	15.51	325.27	217.85	1692.21
199	1	2428.46	248.88	-7.09e-03	-105.70	0.0	1662.78	-467.41	-17.14	237.12	248.88	2428.46
		861.45	197.27	5.98e-04	0.0	301.2	1662.78	-573.09	-17.14	237.12	197.27	861.45
199	2	2289.91	217.85	-6.64e-03	-105.70	0.0	1578.72	-444.51	-37.28	261.03	217.85	2289.91
		791.86	105.56	-4.98e-04	0.0	301.2	1578.72	-550.21	-37.28	261.03	105.56	791.86
200	1	1737.19	197.27	-8.03e-03	-105.70	0.0	450.17	-647.39	-46.35	147.36	197.27	1737.19
		-371.93	57.66	5.97e-04	0.0	301.2	450.17	-450.17	-46.35	147.36	57.66	-371.93
200	2	1657.67	105.56	-7.52e-03	-105.70	0.0	386.06	-617.77	-10.65	144.95	105.56	1657.67
		-362.23	73.47	-4.40e-04	0.0	301.2	386.06	-723.46	-10.65	144.95	73.47	-362.23
201	1	2365.43	-97.90	-7.36e-03	-110.96	0.0	1731.62	542.49	-38.90	258.17	-97.90	2365.43
		825.50	-220.90	-4.15e-04	0.0	316.2	1731.62	431.53	-38.90	258.17	-220.90	825.50
201	2	2373.85	-210.46	-7.25e-03	-110.96	0.0	2025.33	571.78	4.50	209.36	-224.68	2373.85
		741.33	-224.68	-7.94e-04	0.0	316.2	2025.33	460.82	4.50	209.36	-210.46	741.33
202	1	2838.13	-157.25	-5.65e-03	-110.96	0.0	2538.53	383.84	20.13	326.11	-220.90	2838.13
		1799.84	-220.90	-3.84e-04	0.0	316.2	2538.53	272.88	20.13	326.11	-157.25	1799.84
202	2	2846.71	-123.68	-5.58e-03	-110.96	0.0	2925.45	407.15	27.44	304.47	-210.46	2846.71
		1734.72	-210.46	-7.87e-04	0.0	316.2	2925.45	296.19	27.44	304.47	-123.68	1734.72
203	1	3046.79	-51.12	-3.46e-03	-110.96	0.0	3022.61	228.16	33.57	387.63	-157.25	3046.79
		2500.79	-157.25	-3.68e-04	0.0	316.2	3022.61	117.20	33.57	387.63	-51.12	2500.79
203	2	3052.03	-21.40	-3.40e-03	-110.96	0.0	3500.64	249.82	32.35	372.83	-123.68	3052.03
		2437.52	-123.68	-7.94e-04	0.0	316.2	3500.64	138.86	32.35	372.83	-21.40	2437.52
204	1	3006.72	68.91	-1.00e-03	-110.96	0.0	3187.22	72.37	37.96	411.38	-51.12	3006.72
		2932.23	-51.12	-3.66e-04	0.0	316.2	3187.22	-38.59	37.96	411.38	68.91	2932.23
204	2	2990.67	78.76	-9.77e-04	-110.96	0.0	3757.38	93.66	31.68	402.49	-21.40	2990.67
		2865.85	-21.40	-8.13e-04	0.0	316.2	3757.38	-17.30	31.68	402.49	78.76	2865.85
205	1	3096.93	191.32	-1.52e-03	-110.96	0.0	3029.38	-84.08	38.71	394.61	68.91	3096.93
		2655.65	68.91	-3.86e-04	0.0	316.2	3029.38	-195.04	38.71	394.61	191.32	2655.65
205	2	3020.93	175.24	-1.52e-03	-110.96	0.0	3699.59	-62.40	30.51	390.91	78.76	3020.93
		2648.18	78.76	-8.43e-04	0.0	316.2	3699.59	-173.36	30.51	390.91	175.24	2648.18
206	1	2992.45	311.54	-3.85e-03	-110.96	0.0	2549.47	-240.11	38.02	335.89	191.32	2992.45
		2057.80	191.32	-4.27e-04	0.0	316.2	2549.47	-351.07	38.02	335.89	311.54	2057.80
206	2	2901.68	266.27	-3.81e-03	-110.96	0.0	3328.81	-217.73	28.79	337.73	175.24	2901.68
		2037.78	175.24	-8.81e-04	0.0	316.2	3328.81	-328.69	28.79	337.73	266.27	2037.78
207	1	2614.62	414.82	-5.77e-03	-110.96	0.0	1751.27	-393.68	32.66	234.17	311.54	2614.62
		1194.38	311.54	-4.87e-04	0.0	316.2	1751.27	-504.64	32.66	234.17	414.82	1194.38
207	2	2507.64	336.19	-5.67e-03	-110.96	0.0	2646.48	-370.90	22.11	243.58	266.27	2507.64
		1159.43	266.27	-9.23e-04	0.0	316.2	2646.48	-481.86	22.11	243.58	336.19	1159.43
208	1	1967.80	414.82	-7.06e-03	-110.96	0.0	635.54	-544.91	-6.71	104.93	414.82	1967.80
		69.35	393.62	-5.63e-04	0.0	316.2	635.54	-655.87	-6.71	104.93	393.62	69.35
208	2	1848.47	371.55	-6.89e-03	-110.96	0.0	1646.55	-523.94	11.18	106.05	336.19	1848.47
		16.33	336.19	-9.57e-04	0.0	316.2	1646.55	-634.90	11.18	106.05	371.55	16.33
209	1	1082.51	393.62	-7.49e-03	-110.96	0.0	-806.50	-717.27	-123.54	-1.08	393.62	1082.51
		-1360.91	2.99	-6.30e-04	0.0	316.2	-806.50	-828.23	-123.54	-1.08	2.99	-1360.91
209	2	981.76	371.55	-7.26e-03	-110.96	0.0	279.07	-699.33	-131.19	31.21	371.55	981.76
		-1404.96	-43.26	-1.04e-03	0.0	316.2	279.07	-810.29	-131.19	31.21	-43.26	-1404.96
210	1	2313.68	-273.59	-6.91e-03	-105.70	0.0	1764.46	574.14	-3.58	205.59	-273.59	2313.68
		743.54	-284.38	-6.23e-04	0.0	301.2	1764.46	468.45	-3.58	205.59	-284.38	743.54
210	2	2230.04	-346.37	-6.61e-03	-105.70	0.0	1177.93	591.79	-1.11	155.78	-346.37	2230.04
		606.74	-349.72	-5.74e-04	0.0	301.2	1177.93	486.10	-1.11	155.78	-349.72	606.74
211	1	2845.39	-207.57	-5.41e-03	-105.70	0.0	2613.23	424.08	25.50	305.32	-284.38	2845.39
		1727.24	-284.38	5.91e-04	0.0	301.2	2613.23	318.38	25.50	305.32	-207.57	1727.24
211	2	2752.33	-257.66	-5.19e-03	-105.70	0.0	2117.22	442.18	30.56	265.52	-349.72	2752.33
		1579.67	-349.72	-5.21e-04	0.0	301.2	2117.22	336.48	30.56	265.52	-257.66	1579.67
212	1	3132.62	-108.75	-3.42e-03	-105.70	0.0	3173.07	276.78	32.81	380.70	-207.57	3132.62
		2458.13	-207.57	5.66e-04	0.0	301.2	3173.07	171.09	32.81	380.70	-108.75	2458.13
212	2	3034.00	-146.08	-3.30e-03	-105.70	0.0	2763.04	295.40	37.05	350.95	-257.66	3034.00
		2303.44	-257.66	-4.82e-04	0.0	301.2	2763.04	189.70	37.05	350.95	-146.08	2303.44
213	1	3167.72	-9.07	-1.15e-03	-105.70	0.0	3450.86	128.80	33.10	420.54	-108.75	3167.72
		2938.96	-108.75	5.53e-04	0.0	301.2	3450.86	23.10	33.10	420.54	-9.07	2938.96
213	2	3068.79	-32.86	-1.12e-03	-105.70	0.0	3122.82	148.18	37.59	399.62	-146.08	3068.79
		2781.64	-146.08	-4.60e-04	0.0	301.2	3122.82	42.49	37.59	399.62	-32.86	2781.64
214	1	3168.99	85.56	-1.23e-03	-105.70	0.0	3446.85	-19.68	31.42	423.35	-9.07	3168.99

		2950.52	-9.07	5.51e-04	0.0	301.2	3446.85	-125.38	31.42	423.35	85.56	2950.52
214	2	3015.13	75.72	-1.16e-03	-105.70	0.0	3195.70	0.75	36.05	410.93	-32.86	3015.13
		2858.21	-32.86	-4.55e-04	0.0	301.2	3195.70	-104.94	36.05	410.93	75.72	2858.21
215	1	3148.14	185.94	-3.52e-03	-105.70	0.0	3159.67	-167.85	33.33	385.93	85.56	3148.14
		2483.41	85.56	5.56e-04	0.0	301.2	3159.67	-273.54	33.33	385.93	185.94	2483.41
215	2	3003.33	184.65	-3.36e-03	-105.70	0.0	2981.61	-146.08	36.16	382.58	75.72	3003.33
		2404.17	75.72	-4.63e-04	0.0	301.2	2981.61	-251.77	36.16	382.58	184.65	2404.17
216	1	2883.65	270.50	-5.53e-03	-105.70	0.0	2579.91	-314.29	28.07	313.38	185.94	2883.65
		1777.84	185.94	5.73e-04	0.0	301.2	2579.91	-419.98	28.07	313.38	270.50	1777.84
216	2	2749.06	280.66	-5.29e-03	-105.70	0.0	2477.41	-291.41	31.88	316.42	184.65	2749.06
		1712.16	184.65	-4.86e-04	0.0	301.2	2477.41	-397.10	31.88	316.42	280.66	1712.16
217	1	2378.10	287.06	-7.08e-03	-105.70	0.0	1713.57	-462.94	5.50	214.56	270.50	2378.10
		824.54	270.50	6.01e-04	0.0	301.2	1713.57	-568.64	5.50	214.56	287.06	824.54
217	2	2252.46	326.66	-6.77e-03	-105.70	0.0	1689.87	-439.19	15.27	218.11	280.66	2252.46
		770.45	280.66	-5.21e-04	0.0	301.2	1689.87	-544.89	15.27	218.11	326.66	770.45
218	1	1652.35	287.06	-7.98e-03	-105.70	0.0	558.36	-637.97	-84.86	152.86	287.06	1652.35
		-428.39	31.47	6.57e-04	0.0	301.2	558.36	-743.66	-84.86	152.86	31.47	-428.39
218	2	1517.70	326.66	-7.59e-03	-105.70	0.0	639.59	-615.09	-92.36	169.54	326.66	1517.70
		-494.13	48.48	-6.05e-04	0.0	301.2	639.59	-720.79	-92.36	169.54	48.48	-494.13
219	1	2343.58	-176.72	-7.26e-03	-110.96	0.0	1604.20	547.89	45.32	225.06	-320.01	2343.58
		786.57	-320.01	-3.54e-04	0.0	316.2	1604.20	436.93	45.32	225.06	-176.72	786.57
219	2	2366.18	-208.71	-7.24e-03	-110.96	0.0	1809.47	567.65	15.40	213.77	-257.42	2366.18
		746.70	-257.42	-7.90e-04	0.0	316.2	1809.47	456.69	15.40	213.77	-208.71	746.70
220	1	2810.23	-125.57	-5.59e-03	-110.96	0.0	2409.53	389.95	16.18	336.43	-176.72	2810.23
		1752.63	-176.72	-3.67e-04	0.0	316.2	2409.53	278.99	16.18	336.43	-125.57	1752.63
220	2	2840.93	-114.60	-5.57e-03	-110.96	0.0	2709.39	413.72	29.76	309.06	-208.71	2840.93
		1708.17	-208.71	-7.81e-04	0.0	316.2	2709.39	302.76	29.76	309.06	-114.60	1708.17
221	1	3021.15	-38.47	-3.42e-03	-110.96	0.0	2897.90	235.00	27.55	387.06	-125.57	3021.15
		2453.52	-125.57	-3.56e-04	0.0	316.2	2897.90	124.04	27.55	387.06	-38.47	2453.52
221	2	3054.65	-12.09	-3.41e-03	-110.96	0.0	3291.77	258.26	32.42	372.93	-114.60	3054.65
		2413.45	-114.60	-7.87e-04	0.0	316.2	3291.77	147.30	32.42	372.93	-12.09	2413.45
222	1	2976.53	64.01	-9.95e-04	-110.96	0.0	3078.38	78.64	32.41	404.90	-38.47	2976.53
		2888.50	-38.47	-3.55e-04	0.0	316.2	3078.38	-32.32	32.41	404.90	64.01	2888.50
222	2	2995.58	87.37	-9.89e-04	-110.96	0.0	3563.50	100.58	31.45	398.67	-12.09	2995.58
		2851.61	-12.09	-8.08e-04	0.0	316.2	3563.50	-10.38	31.45	398.67	87.37	2851.61
223	1	3053.94	178.38	-1.50e-03	-110.96	0.0	2949.31	-77.72	36.17	384.65	64.01	3053.94
		2632.75	64.01	-3.70e-04	0.0	316.2	2949.31	-188.68	36.17	384.65	178.38	2632.75
223	2	3015.70	183.70	-1.51e-03	-110.96	0.0	3525.75	-57.24	30.47	385.28	87.37	3015.70
		2659.28	87.37	-8.40e-04	0.0	316.2	3525.75	-168.20	30.47	385.28	183.70	2659.28
224	1	2950.54	297.28	-3.80e-03	-110.96	0.0	2508.90	-231.89	37.60	325.72	178.38	2950.54
		2041.88	178.38	-4.04e-04	0.0	316.2	2508.90	-342.85	37.60	325.72	297.28	2041.88
224	2	2902.63	273.50	-3.80e-03	-110.96	0.0	3181.51	-212.91	28.40	332.73	183.70	2902.63
		2053.98	183.70	-8.83e-04	0.0	316.2	3181.51	-323.87	28.40	332.73	273.50	2053.98
225	1	2578.32	394.64	-5.70e-03	-110.96	0.0	1763.31	-381.94	30.79	228.85	297.28	2578.32
		1195.19	297.28	-4.61e-04	0.0	316.2	1763.31	-492.90	30.79	228.85	394.64	1195.19
225	2	2513.17	330.07	-5.67e-03	-110.96	0.0	2536.05	-364.63	17.89	242.78	273.50	2513.17
		1184.79	273.50	-9.33e-04	0.0	316.2	2536.05	-475.59	17.89	242.78	330.07	1184.79
226	1	1942.24	395.13	-6.98e-03	-110.96	0.0	720.92	-530.49	0.16	102.83	394.64	1942.24
		89.39	394.64	-5.32e-04	0.0	316.2	720.92	-641.45	0.16	102.83	395.13	89.39
226	2	1856.86	330.07	-6.91e-03	-110.96	0.0	1592.87	-514.63	-30.44	136.42	330.07	1856.86
		54.16	233.81	-9.85e-04	0.0	316.2	1592.87	-625.59	-30.44	136.42	233.81	54.16
227	1	1074.14	395.13	-7.42e-03	-110.96	0.0	-633.58	-702.22	-118.04	19.94	395.13	1074.14
		-1321.70	21.90	-6.24e-04	0.0	316.2	-633.58	-813.18	-118.04	19.94	21.90	-1321.70
227	2	976.45	233.81	-7.29e-03	-110.96	0.0	326.87	-688.93	-99.34	33.36	233.81	976.45
		-1377.38	-80.32	-9.83e-04	0.0	316.2	326.87	-799.89	-99.34	33.36	-80.32	-1377.38
228	1	2269.85	-238.35	-6.88e-03	-105.70	0.0	1743.28	576.87	-3.82	222.04	-238.35	2269.85
		691.49	-249.84	-6.15e-04	0.0	301.2	1743.28	471.18	-3.82	222.04	-249.84	691.49
228	2	2229.05	-346.71	-6.67e-03	-105.70	0.0	1130.70	591.51	13.08	174.02	-386.10	2229.05
		606.60	-386.10	-6.06e-04	0.0	301.2	1130.70	485.81	13.08	174.02	-346.71	606.60
229	1	2820.27	-180.63	-5.40e-03	-105.70	0.0	2551.15	427.74	22.98	311.37	-249.84	2820.27
		1691.09	-249.84	-5.89e-04	0.0	301.2	2551.15	322.05	22.98	311.37	-180.63	1691.09
229	2	2771.02	-246.26	-5.25e-03	-105.70	0.0	2025.65	445.29	33.35	281.66	-346.71	2771.02
		1588.98	-346.71	-5.49e-04	0.0	301.2	2025.65	339.60	33.35	281.66	-246.26	1588.98
230	1	3119.79	-89.13	-3.44e-03	-105.70	0.0	3085.98	279.58	30.38	378.26	-180.63	3119.79
		2436.89	-180.63	5.69e-04	0.0	301.2	3085.98	173.88	30.38	378.26	-89.13	2436.89
230	2	3063.59	-135.06	-3.35e-03	-105.70	0.0	2646.24	298.36	36.92	359.23	-246.26	3063.59
		2324.10	-246.26	-5.08e-04	0.0	301.2	2646.24	192.67	36.92	359.23	-135.06	2324.10
231	1	3165.14	4.53	-1.17e-03	-105.70	0.0	3347.76	130.54	31.09	412.37	-89.13	3165.14
		2931.12	-89.13	5.60e-04	0.0	301.2	3347.76	24.85	31.09	412.37	4.53	2931.12
231	2	3104.62	-26.53	-1.14e-03	-105.70	0.0	2991.14	149.84	36.03	400.89	-135.06	3104.62
		2812.47	-135.06	-4.83e-04	0.0	301.2	2991.14	44.15	36.03	400.89	-26.53	2812.47
232	1	3170.94	93.71	-1.21e-03	-105.70	0.0	3338.20	-18.55	29.61	412.19	4.53	3170.94

		2955.89	4.53	5.62e-04	0.0	301.2	3338.20	-124.25	29.61	412.19	93.71	2955.89
232	2	3050.81	79.00	-1.17e-03	-105.70	0.0	3060.84	1.14	35.04	406.47	-26.53	3050.81
		2895.05	-26.53	-4.76e-04	0.0	301.2	3060.84	-104.56	35.04	406.47	79.00	2895.05
233	1	3154.64	166.21	-3.51e-03	-105.70	0.0	3059.74	-166.77	24.07	379.49	93.71	3154.64
		2493.15	93.71	5.74e-04	0.0	301.2	3059.74	-272.46	24.07	379.49	166.21	2493.15
233	2	3038.69	171.49	-3.39e-03	-105.70	0.0	2855.60	-146.60	30.71	378.44	79.00	3038.69
		2437.95	79.00	-4.85e-04	0.0	301.2	2855.60	-252.30	30.71	378.44	171.49	2437.95
234	1	2882.33	242.21	-5.52e-03	-105.70	0.0	2515.95	-315.34	25.23	307.12	166.21	2882.33
		1773.34	166.21	5.83e-04	0.0	301.2	2515.95	-421.04	25.23	307.12	242.21	1773.34
234	2	2775.49	254.27	-5.34e-03	-105.70	0.0	2379.91	-294.21	27.48	313.48	171.49	2775.49
		1730.15	171.49	-5.03e-04	0.0	301.2	2379.91	-399.91	27.48	313.48	254.27	1730.15
235	1	2378.85	244.62	-7.06e-03	-105.70	0.0	1674.84	-466.15	0.80	218.00	242.21	2378.85
		815.61	242.21	6.06e-04	0.0	301.2	1674.84	-571.85	0.80	218.00	244.62	815.61
235	2	2275.68	262.50	-6.83e-03	-105.70	0.0	1617.61	-444.75	2.73	229.33	254.27	2275.68
		776.91	254.27	-5.37e-04	0.0	301.2	1617.61	-550.44	2.73	229.33	262.50	776.91
236	1	1651.26	244.62	-7.96e-03	-105.70	0.0	539.47	-639.20	-58.19	146.19	244.62	1651.26
		-433.19	69.36	6.39e-04	0.0	301.2	539.47	-744.90	-58.19	146.19	69.36	-433.19
236	2	1552.65	262.50	-7.68e-03	-105.70	0.0	560.16	-617.04	-52.80	158.74	262.50	1552.65
		-465.05	103.47	-5.81e-04	0.0	301.2	560.16	-722.74	-52.80	158.74	103.47	-465.05
237	1	2282.07	-148.79	-7.17e-03	-110.96	0.0	1737.77	540.19	-21.42	258.03	-148.79	2282.07
		749.41	-216.52	-3.81e-04	0.0	316.2	1737.77	429.23	-21.42	258.03	-216.52	749.41
237	2	2319.25	-150.18	-7.25e-03	-110.96	0.0	1868.58	559.96	-12.12	225.62	-150.18	2319.25
		724.08	-188.51	-7.85e-04	0.0	316.2	1868.58	449.00	-12.12	225.62	-188.51	724.08
238	1	2762.75	-117.55	-5.53e-03	-110.96	0.0	2498.43	382.75	31.30	316.00	-216.52	2762.75
		1727.92	-216.52	-3.40e-04	0.0	316.2	2498.43	271.79	31.30	316.00	-117.55	1727.92
238	2	2816.20	-112.55	-5.60e-03	-110.96	0.0	2695.16	403.32	24.02	300.42	-188.51	2816.20
		1716.32	-188.51	-7.72e-04	0.0	316.2	2695.16	292.36	24.02	300.42	-112.55	1716.32
239	1	2980.36	-35.72	-3.39e-03	-110.96	0.0	2946.24	227.30	25.88	378.97	-117.55	2980.36
		2437.08	-117.55	-3.41e-04	0.0	316.2	2946.24	116.34	25.88	378.97	-35.72	2437.08
239	2	3040.29	-112.55	-3.44e-03	-110.96	0.0	3232.69	250.27	30.88	362.52	-112.55	3040.29
		2424.37	-112.55	-7.79e-04	0.0	316.2	3232.69	139.31	30.88	362.52	-14.89	2424.37
240	1	2946.85	58.70	-9.89e-04	-110.96	0.0	3099.60	74.07	29.86	398.65	-35.72	2946.85
		2868.75	-35.72	-3.44e-04	0.0	316.2	3099.60	-36.89	29.86	398.65	58.70	2868.75
240	2	2995.76	85.08	-1.01e-03	-110.96	0.0	3475.61	97.03	31.62	390.67	-14.89	2995.76
		2861.60	-14.89	-8.01e-04	0.0	316.2	3475.61	-13.93	31.62	390.67	85.08	2861.60
241	1	3027.52	164.72	-1.48e-03	-110.96	0.0	2960.93	-78.80	33.53	380.63	58.70	3027.52
		2602.91	58.70	-3.57e-04	0.0	316.2	2960.93	-189.76	33.53	380.63	164.72	2602.91
241	2	3026.15	184.96	-1.48e-03	-110.96	0.0	3425.71	-56.87	31.59	381.10	85.08	3026.15
		2670.91	85.08	-8.36e-04	0.0	316.2	3425.71	-167.83	31.59	381.10	184.96	2670.91
242	1	2916.36	285.71	-3.76e-03	-110.96	0.0	2526.18	-231.00	38.27	321.05	164.72	2916.36
		2010.52	164.72	-3.85e-04	0.0	316.2	2526.18	-341.96	38.27	321.05	285.71	2010.52
242	2	2914.63	285.31	-3.79e-03	-110.96	0.0	3083.44	-210.37	31.74	331.20	184.96	2914.63
		2074.02	184.96	-8.84e-04	0.0	316.2	3083.44	-321.33	31.74	331.20	285.31	2074.02
243	1	2541.85	394.76	-5.63e-03	-110.96	0.0	1786.09	-380.90	34.49	221.15	285.71	2541.85
		1162.01	285.71	-4.33e-04	0.0	316.2	1786.09	-491.86	34.49	221.15	394.76	1162.01
243	2	2526.55	362.29	-5.68e-03	-110.96	0.0	2447.47	-361.64	24.35	241.04	285.31	2526.55
		1207.63	285.31	-9.40e-04	0.0	316.2	2447.47	-472.60	24.35	241.04	362.29	1207.63
244	1	1909.38	394.76	-6.88e-03	-110.96	0.0	741.02	-530.65	-3.96	96.64	394.76	1909.38
		56.05	382.23	-5.03e-04	0.0	316.2	741.02	-641.61	-3.96	96.64	382.23	56.05
244	2	1868.83	362.29	-6.93e-03	-110.96	0.0	1515.98	-512.81	-10.89	121.46	362.29	1868.83
		71.89	327.86	-1.00e-03	0.0	316.2	1515.98	-623.77	-10.89	121.46	327.86	71.89
245	1	1041.96	382.23	-7.29e-03	-110.96	0.0	-615.61	-704.84	-111.44	2.62	382.23	1041.96
		-1362.18	29.86	-5.80e-04	0.0	316.2	-615.61	-815.80	-111.44	2.62	29.86	-1362.18
245	2	971.51	327.86	-7.31e-03	-110.96	0.0	275.77	-689.41	-133.99	48.84	327.86	971.51
		-1383.82	-95.82	-1.06e-03	0.0	316.2	275.77	-800.37	-133.99	48.84	-95.82	-1383.82
246	1	2211.80	-244.84	-6.82e-03	-105.70	0.0	1821.43	561.37	5.69	209.90	-261.97	2211.80
		680.15	-261.97	-6.02e-04	0.0	301.2	1821.43	455.67	5.69	209.90	-244.84	680.15
246	2	2221.28	-272.96	-6.71e-03	-105.70	0.0	1128.78	579.42	-20.38	195.21	-272.96	2221.28
		635.26	-334.33	-6.40e-04	0.0	301.2	1128.78	473.72	-20.38	195.21	-334.33	635.26
247	1	2760.82	-173.54	-5.38e-03	-105.70	0.0	2584.21	415.35	23.67	304.79	-244.84	2760.82
		1668.96	-244.84	-5.82e-04	0.0	301.2	2584.21	309.66	23.67	304.79	-173.54	1668.96
247	2	2762.62	-254.33	-5.29e-03	-105.70	0.0	1987.45	435.73	26.56	283.06	-334.33	2762.62
		1609.39	-334.33	-5.76e-04	0.0	301.2	1987.45	330.03	26.56	283.06	-254.33	1609.39
248	1	3071.57	-82.42	-3.44e-03	-105.70	0.0	3077.42	271.97	30.25	372.54	-173.54	3071.57
		2411.59	-173.54	5.66e-04	0.0	301.2	3077.42	166.27	30.25	372.54	-82.42	2411.59
248	2	3062.47	-145.32	-3.37e-03	-105.70	0.0	2578.64	292.31	36.19	359.61	-254.33	3062.47
		2341.20	-254.33	-5.31e-04	0.0	301.2	2578.64	186.62	36.19	359.61	-145.32	2341.20
249	1	3135.36	13.28	-1.19e-03	-105.70	0.0	3305.90	127.36	31.77	406.84	-82.42	3135.36
		2910.93	-82.42	5.61e-04	0.0	301.2	3305.90	21.66	31.77	406.84	13.28	2910.93
249	2	3115.20	-32.80	-1.16e-03	-105.70	0.0	2901.28	147.08	37.36	402.62	-145.32	3115.20
		2831.37	-145.32	-5.03e-04	0.0	301.2	2901.28	41.39	37.36	402.62	-32.80	2831.37
250	1	3163.07	105.39	-1.17e-03	-105.70	0.0	3270.81	-18.36	30.58	407.29	13.28	3163.07

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		2948.58	13.28	5.67e-04	0.0	301.2	3270.81	-124.06	30.58	407.29	105.39	2948.58
250	2	3075.27	75.27	-1.16e-03	-105.70	0.0	2956.04	0.90	35.88	410.38	-32.80	3075.27
		2918.81	-32.80	-4.94e-04	0.0	301.2	2956.04	-104.79	35.88	410.38	75.27	2918.81
251	1	3162.47	186.71	-3.47e-03	-105.70	0.0	2975.09	-164.53	27.00	374.03	105.39	3162.47
		2507.73	105.39	5.85e-04	0.0	301.2	2975.09	-270.22	27.00	374.03	186.71	2507.73
251	2	3068.78	177.94	-3.41e-03	-105.70	0.0	2745.00	-145.39	34.09	381.98	75.27	3068.78
		2471.67	75.27	-5.02e-04	0.0	301.2	2745.00	-251.09	34.09	381.98	177.94	2471.67
252	1	2905.26	205.87	-5.49e-03	-105.70	0.0	2421.90	-310.74	6.36	317.43	186.71	2905.26
		1810.13	186.71	6.14e-04	0.0	301.2	2421.90	-416.44	6.36	317.43	205.87	1810.13
252	2	2812.38	233.62	-5.39e-03	-105.70	0.0	2266.63	-291.16	18.48	326.17	177.94	2812.38
		1776.22	177.94	-5.29e-04	0.0	301.2	2266.63	-396.86	18.48	326.17	233.62	1776.22
253	1	2382.36	217.57	-7.05e-03	-105.70	0.0	1628.31	-464.37	3.88	220.71	205.87	2382.36
		824.49	205.87	6.17e-04	0.0	301.2	1628.31	-270.07	3.88	220.71	217.57	824.49
253	2	2301.41	248.17	-6.90e-03	-105.70	0.0	1533.27	-442.26	4.83	238.12	233.62	2301.41
		810.15	233.62	-5.52e-04	0.0	301.2	1533.27	-547.96	4.83	238.12	248.17	810.15
254	1	1662.17	217.57	-7.96e-03	-105.70	0.0	495.27	-635.00	-50.15	151.12	217.57	1662.17
		-409.62	66.52	6.41e-04	0.0	301.2	495.27	-740.69	-50.15	151.12	66.52	-409.62
254	2	1581.70	248.17	-7.77e-03	-105.70	0.0	484.80	-611.68	-46.13	168.15	248.17	1581.70
		-419.84	109.22	-5.91e-04	0.0	301.2	484.80	-717.37	-46.13	168.15	109.22	-419.84
255	1	2206.27	-189.23	-7.06e-03	-110.96	0.0	1844.76	543.60	17.82	207.61	-245.57	2206.27
		662.84	-245.57	-3.32e-04	0.0	316.2	1844.76	432.64	17.82	207.61	-189.23	662.84
255	2	2263.88	-166.83	-7.24e-03	-110.96	0.0	1918.98	560.74	12.92	194.18	-207.69	2263.88
		666.24	-207.69	-7.42e-04	0.0	316.2	1918.98	449.78	12.92	194.18	-166.83	666.24
256	1	2720.25	-143.36	-5.47e-03	-110.96	0.0	2571.67	385.26	14.51	310.58	-189.23	2720.25
		1677.47	-189.23	-3.37e-04	0.0	316.2	2571.67	274.30	14.51	310.58	-143.36	1677.47
256	2	2777.26	-110.00	-5.63e-03	-110.96	0.0	2725.58	404.60	17.97	292.28	-166.83	2777.26
		1673.33	-166.83	-7.57e-04	0.0	316.2	2725.58	293.64	17.97	292.28	-110.00	1673.33
257	1	2952.33	-43.69	-3.37e-03	-110.96	0.0	3018.59	231.38	31.52	367.11	-143.36	2952.33
		2396.14	-143.36	-3.24e-04	0.0	316.2	3018.59	120.42	31.52	367.11	-43.69	2396.14
257	2	3024.22	-16.44	-3.50e-03	-110.96	0.0	3237.13	251.85	29.59	353.73	-110.00	3024.22
		2403.29	-110.00	-7.65e-04	0.0	316.2	3237.13	140.89	29.59	353.73	-16.44	2403.29
258	1	2927.76	52.56	-9.87e-04	-110.96	0.0	3164.28	75.96	30.44	396.33	-43.69	2927.76
		2845.56	-43.69	-3.31e-04	0.0	316.2	3164.28	-35.00	30.44	396.33	52.56	2845.56
258	2	2999.93	85.30	-1.08e-03	-110.96	0.0	3455.64	98.30	32.18	383.85	-16.44	2999.93
		2862.29	-16.44	-7.89e-04	0.0	316.2	3455.64	-12.66	32.18	383.85	85.30	2862.29
259	1	3015.26	154.10	-1.47e-03	-110.96	0.0	3017.00	-79.17	32.11	384.11	52.56	3015.26
		2589.51	52.56	-3.47e-04	0.0	316.2	3017.00	-190.13	32.11	384.11	154.10	2589.51
259	2	3046.37	187.06	-1.43e-03	-110.96	0.0	3383.29	-55.70	32.18	377.69	85.30	3046.37
		2694.81	85.30	-8.28e-04	0.0	316.2	3383.29	-166.66	32.18	377.69	187.06	2694.81
260	1	2902.36	261.00	-3.73e-03	-110.96	0.0	2581.14	-232.97	33.81	330.58	154.10	2902.36
		1990.29	154.10	-3.74e-04	0.0	316.2	2581.14	-343.93	33.81	330.58	261.00	1990.29
260	2	2948.12	286.44	-3.75e-03	-110.96	0.0	3027.47	-209.20	31.43	332.64	187.06	2948.12
		2111.21	187.06	-8.81e-04	0.0	316.2	3027.47	-320.16	31.43	332.64	286.44	2111.21
261	1	2511.65	370.84	-5.58e-03	-110.96	0.0	1853.34	-384.63	34.74	231.29	261.00	2511.65
		1120.01	261.00	-4.10e-04	0.0	316.2	1853.34	-495.59	34.74	231.29	370.84	1120.01
261	2	2563.80	367.91	-5.67e-03	-110.96	0.0	2392.14	-361.14	25.76	246.54	286.44	2563.80
		1246.45	286.44	-9.43e-04	0.0	316.2	2392.14	-472.10	25.76	246.54	367.91	1246.45
262	1	1869.24	387.99	-6.80e-03	-110.96	0.0	806.66	-536.14	5.42	102.30	370.84	1869.24
		-1.45	370.84	-4.66e-04	0.0	316.2	806.66	-647.10	5.42	102.30	387.99	-1.45
262	2	1902.76	367.91	-6.95e-03	-110.96	0.0	1469.43	-514.08	-12.21	134.45	367.91	1902.76
		101.81	329.29	-1.01e-03	0.0	316.2	1469.43	-625.04	-12.21	134.45	329.29	101.81
263	1	1011.02	387.99	-7.17e-03	-110.96	0.0	-581.90	-712.66	-109.30	13.60	387.99	1011.02
		-1417.84	42.39	-5.49e-04	0.0	316.2	-581.90	-823.62	-109.30	13.60	42.39	-1417.84
263	2	996.38	329.29	-7.36e-03	-110.96	0.0	238.72	-694.86	-130.23	62.23	329.29	996.38
		-1376.19	-82.50	-1.08e-03	0.0	316.2	238.72	-805.82	-130.23	62.23	-82.50	-1376.19
264	1	2163.73	-232.80	-6.76e-03	-105.70	0.0	1906.86	555.45	-3.89	211.90	-232.80	2163.73
		649.91	-244.52	-5.98e-04	0.0	301.2	1906.86	449.75	-3.89	211.90	-244.52	649.91
264	2	2216.36	-318.09	-6.74e-03	-105.70	0.0	1161.24	579.69	1.99	181.39	-324.07	2216.36
		629.50	-324.07	-6.44e-04	0.0	301.2	1161.24	474.00	1.99	181.39	-318.09	629.50
265	1	2709.47	-170.45	-5.35e-03	-105.70	0.0	2653.15	411.21	24.59	299.33	-244.52	2709.47
		1630.09	-244.52	-5.73e-04	0.0	301.2	2653.15	305.51	24.59	299.33	-170.45	1630.09
265	2	2762.53	-259.43	-5.32e-03	-105.70	0.0	1995.21	432.27	19.48	288.14	-318.09	2762.53
		1619.69	-318.09	-6.00e-04	0.0	301.2	1995.21	326.58	19.48	288.14	-259.43	1619.69
266	1	3022.14	-79.21	-3.45e-03	-105.70	0.0	3125.82	268.61	30.29	367.80	-170.45	3022.14
		2372.25	-170.45	-5.60e-04	0.0	301.2	3125.82	162.92	30.29	367.80	-79.21	2372.25
266	2	3068.05	-157.37	-3.40e-03	-105.70	0.0	2563.16	288.96	33.88	363.20	-259.43	3068.05
		2356.88	-259.43	-5.52e-04	0.0	301.2	2563.16	183.26	33.88	363.20	-157.37	2356.88
267	1	3095.18	18.25	-1.23e-03	-105.70	0.0	3329.14	125.22	32.36	401.79	-79.21	3095.18
		2877.18	-79.21	5.55e-04	0.0	301.2	3329.14	19.53	32.36	401.79	18.25	2877.18
267	2	3127.83	-43.37	-1.18e-03	-105.70	0.0	2865.98	144.87	37.85	407.21	-157.37	3127.83
		2850.65	-157.37	-5.20e-04	0.0	301.2	2865.98	39.18	37.85	407.21	-43.37	2850.65
268	1	3141.37	117.22	-1.11e-03	-105.70	0.0	3266.03	-18.75	32.86	401.07	18.25	3141.37

		2925.70	18.25	5.64e-04	0.0	301.2	3266.03	-124.45	32.86	401.07	117.22	2925.70
268	2	3099.78	72.24	-1.16e-03	-105.70	0.0	2903.33	0.30	38.38	415.79	-43.37	3099.78
		2941.51	-43.37	-5.07e-04	0.0	301.2	2903.33	-105.40	38.38	415.79	72.24	2941.51
269	1	3161.65	203.97	-3.40e-03	-105.70	0.0	2939.13	-163.13	28.80	368.23	117.22	3161.65
		2511.13	117.22	5.87e-04	0.0	301.2	2939.13	-268.82	28.80	368.23	203.97	2511.13
269	2	3102.00	174.92	-3.43e-03	-105.70	0.0	2677.06	-144.25	34.09	390.50	72.24	3102.00
		2508.35	72.24	-5.16e-04	0.0	301.2	2677.06	-249.94	34.09	390.50	174.92	2508.35
270	1	2935.49	269.69	-5.44e-03	-105.70	0.0	2350.80	-309.38	21.82	302.83	203.97	2935.49
		1844.45	203.97	6.20e-04	0.0	301.2	2350.80	-415.08	21.82	302.83	269.69	1844.45
270	2	2855.68	265.48	-5.44e-03	-105.70	0.0	2190.00	-290.16	30.07	328.49	174.92	2855.68
		1822.53	174.92	-5.39e-04	0.0	301.2	2190.00	-395.86	30.07	328.49	265.48	1822.53
271	1	2464.19	269.69	-7.04e-03	-105.70	0.0	1495.78	-459.58	-39.46	246.14	269.69	2464.19
		920.76	150.83	6.80e-04	0.0	301.2	1495.78	-565.28	-39.46	246.14	150.83	920.76
271	2	2371.16	265.48	-7.00e-03	-105.70	0.0	1426.50	-439.56	-15.32	262.36	265.48	2371.16
		888.01	219.35	-5.91e-04	0.0	301.2	1426.50	-545.26	-15.32	262.36	219.35	888.01
272	1	1683.65	150.83	-7.99e-03	-105.70	0.0	463.31	-634.45	-32.96	145.58	150.83	1683.65
		-386.49	51.54	6.54e-04	0.0	301.2	463.31	-740.15	-32.96	145.58	51.54	-386.49
272	2	1615.88	219.35	-7.91e-03	-105.70	0.0	436.94	-612.71	-35.91	177.18	219.35	1615.88
		-388.77	111.19	-6.08e-04	0.0	301.2	436.94	-718.40	-35.91	177.18	111.19	-388.77
273	1	2243.15	-207.03	-7.17e-03	-110.96	0.0	2144.43	554.07	-13.16	150.04	-207.03	2243.15
		666.62	-248.65	-3.38e-04	0.0	316.2	2144.43	443.11	-13.16	150.04	-248.65	666.62
273	2	2283.97	-176.21	-7.41e-03	-110.96	0.0	2205.03	571.08	-9.91	143.71	-176.21	2283.97
		653.64	-207.56	-7.32e-04	0.0	316.2	2205.03	460.12	-9.91	143.71	-207.56	653.64
274	1	2750.96	-172.71	-5.56e-03	-110.96	0.0	2905.59	390.88	24.01	243.60	-248.65	2750.96
		1690.41	-248.65	-3.13e-04	0.0	316.2	2905.59	279.92	24.01	243.60	-172.71	1690.41
274	2	2797.85	-137.31	-5.79e-03	-110.96	0.0	3028.69	408.89	22.22	237.58	-207.56	2797.85
		1680.37	-207.56	-7.28e-04	0.0	316.2	3028.69	297.93	22.22	237.58	-137.31	1680.37
275	1	2993.58	-97.96	-3.43e-03	-110.96	0.0	3336.63	229.93	23.64	333.30	-172.71	2993.58
		2441.96	-172.71	-3.14e-04	0.0	316.2	3336.63	118.97	23.64	333.30	-97.96	2441.96
275	2	3049.83	-57.55	-3.64e-03	-110.96	0.0	3522.96	248.94	25.23	323.33	-137.31	3049.83
		2438.12	-137.31	-7.45e-04	0.0	316.2	3522.96	137.98	25.23	323.33	-57.55	2438.12
276	1	2978.64	-0.78	-1.01e-03	-110.96	0.0	3455.76	68.17	30.73	384.23	-97.96	2978.64
		2912.45	-97.96	-3.17e-04	0.0	316.2	3455.76	-42.79	30.73	384.23	-0.78	2912.45
276	2	3037.01	40.65	-1.17e-03	-110.96	0.0	3694.24	87.87	31.05	374.45	-57.55	3037.01
		2927.08	-57.55	-7.69e-04	0.0	316.2	3694.24	-23.09	31.05	374.45	40.65	2927.08
277	1	3102.50	106.44	-1.50e-03	-110.96	0.0	3257.30	-94.66	33.91	400.60	-0.78	3102.50
		2627.74	-0.78	-3.35e-04	0.0	316.2	3257.30	-205.62	33.91	400.60	106.44	2627.74
277	2	3141.51	152.49	-1.37e-03	-110.96	0.0	3544.27	-73.75	35.37	391.17	40.65	3141.51
		2732.90	40.65	-8.10e-04	0.0	316.2	3544.27	-184.71	35.37	391.17	152.49	2732.90
278	1	2996.67	221.07	-3.82e-03	-110.96	0.0	2754.08	-254.80	36.25	374.23	106.44	2996.67
		2015.56	106.44	-3.65e-04	0.0	316.2	2754.08	-365.76	36.25	374.23	221.07	2015.56
278	2	3068.04	266.88	-3.77e-03	-110.96	0.0	3085.57	-232.60	36.18	369.34	152.49	3068.04
		2157.15	152.49	-8.69e-04	0.0	316.2	3085.57	-343.56	36.18	369.34	266.88	2157.15
279	1	2582.81	314.30	-5.71e-03	-110.96	0.0	1968.54	-409.45	29.48	301.94	221.07	2582.81
		1112.72	221.07	-4.06e-04	0.0	316.2	1968.54	-520.41	29.48	301.94	314.30	1112.72
279	2	2689.66	358.28	-5.76e-03	-110.96	0.0	2347.34	-386.07	28.91	304.02	266.88	2689.66
		1293.48	266.88	-9.42e-04	0.0	316.2	2347.34	-497.03	28.91	304.02	358.28	1293.48
280	1	1867.39	343.38	-6.92e-03	-110.96	0.0	914.88	-563.05	9.20	181.88	314.30	1867.39
		-88.40	314.30	-4.43e-04	0.0	316.2	914.88	-674.01	9.20	181.88	343.38	-88.40
280	2	2001.36	358.28	-7.10e-03	-110.96	0.0	1356.57	-537.13	-4.15	201.43	358.28	2001.36
		127.53	345.16	-1.02e-03	0.0	316.2	1356.57	-648.09	-4.15	201.43	345.16	127.53
281	1	937.88	343.38	-7.22e-03	-110.96	0.0	-489.18	-740.83	-79.52	80.66	343.38	937.88
		-1580.05	91.93	-4.97e-04	0.0	316.2	-489.18	-851.79	-79.52	80.66	91.93	-1580.05
281	2	1055.46	345.16	-7.54e-03	-110.96	0.0	81.96	-712.56	-117.23	129.57	345.16	1055.46
		-1373.08	-25.53	-1.10e-03	0.0	316.2	81.96	-823.52	-117.23	129.57	-25.53	-1373.08
282	1	2157.25	-216.52	-6.77e-03	-105.70	0.0	2169.60	568.15	-8.21	167.92	-216.52	2157.25
		605.16	-241.25	-5.79e-04	0.0	301.2	2169.60	462.45	-8.21	167.92	-241.25	605.16
282	2	2275.77	-362.33	-6.86e-03	-105.70	0.0	1299.96	586.99	-5.44	146.41	-362.33	2275.77
		666.95	-378.71	-6.82e-04	0.0	301.2	1299.96	481.29	-5.44	146.41	-378.71	666.95
283	1	2708.78	-198.28	-5.37e-03	-105.70	0.0	2929.16	417.34	14.27	267.50	-241.25	2708.78
		1610.94	-241.25	-5.66e-04	0.0	301.2	2929.16	311.64	14.27	267.50	-198.28	1610.94
283	2	2815.88	-296.83	-5.40e-03	-105.70	0.0	2157.73	434.63	27.19	258.99	-378.71	2815.88
		1665.94	-378.71	-6.18e-04	0.0	301.2	2157.73	328.94	27.19	258.99	-296.83	1665.94
284	1	3019.01	-122.70	-3.47e-03	-105.70	0.0	3399.10	266.97	25.09	349.01	-198.28	3019.01
		2374.06	-198.28	-5.53e-04	0.0	301.2	3399.10	161.28	25.09	349.01	-122.70	2374.06
284	2	3120.97	-204.37	-3.44e-03	-105.70	0.0	2712.68	284.61	30.70	357.27	-296.83	3120.97
		2422.90	-296.83	-5.72e-04	0.0	301.2	2712.68	178.91	30.70	357.27	-204.37	2422.90
285	1	3082.98	-29.79	-1.25e-03	-105.70	0.0	3571.89	113.77	30.85	402.85	-122.70	3082.98
		2899.49	-122.70	-5.49e-04	0.0	301.2	3571.89	8.07	30.85	402.85	-29.79	2899.49
285	2	3173.86	-94.97	-1.17e-03	-105.70	0.0	2983.66	133.63	36.32	419.68	-204.37	3173.86
		2930.54	-204.37	-5.36e-04	0.0	301.2	2983.66	27.94	36.32	419.68	-94.97	2930.54
286	1	3176.63	81.84	-1.10e-03	-105.70	0.0	3449.61	-39.50	37.06	422.47	-29.79	3176.63

		2898.48	-29.79	5.55e-04	0.0	301.2	3449.61	-145.20	37.06	422.47	81.84	2898.48
286	2	3184.56	31.31	-1.22e-03	-105.70	0.0	2972.90	-17.07	41.93	446.27	-94.97	3184.56
		2973.98	-94.97	-5.18e-04	0.0	301.2	2972.90	-122.76	41.93	446.27	31.31	2973.98
287	1	3195.77	205.97	-3.38e-03	-105.70	0.0	3041.87	-188.05	41.21	403.58	81.84	3195.77
		2470.18	81.84	5.77e-04	0.0	301.2	3041.87	-293.75	41.21	403.58	205.97	2470.18
287	2	3179.15	166.69	-3.53e-03	-105.70	0.0	2686.98	-163.64	44.95	433.48	31.31	3179.15
		2527.10	31.31	-5.21e-04	0.0	301.2	2686.98	-269.33	44.95	433.48	166.69	2527.10
288	1	2956.38	298.96	-5.42e-03	-105.70	0.0	2364.70	-327.87	30.87	347.87	205.97	2956.38
		1809.67	205.97	6.20e-04	0.0	301.2	2364.70	-433.56	30.87	347.87	298.96	1809.67
288	2	2914.12	261.66	-5.57e-03	-105.70	0.0	2140.17	-303.24	31.53	385.26	166.69	2914.12
		1841.59	166.69	-5.51e-04	0.0	301.2	2140.17	-408.93	31.53	385.26	261.66	1841.59
289	1	2481.54	381.76	-7.02e-03	-105.70	0.0	1427.13	-465.16	27.49	242.92	298.96	2481.54
		921.31	298.96	6.60e-04	0.0	301.2	1427.13	-570.85	27.49	242.92	381.76	921.31
289	2	2402.40	344.74	-7.15e-03	-105.70	0.0	1349.17	-444.00	27.58	288.44	261.66	2402.40
		905.90	261.66	-5.81e-04	0.0	301.2	1349.17	-549.69	27.58	288.44	344.74	905.90
290	1	1890.49	381.76	-8.05e-03	-105.70	0.0	119.59	-626.43	-87.66	211.43	381.76	1890.49
		-155.48	117.72	7.86e-04	0.0	301.2	119.59	-732.12	-87.66	211.43	117.72	-155.48
290	2	1735.96	344.74	-8.12e-03	-105.70	0.0	221.63	-609.06	-57.72	240.42	344.74	1735.96
		-257.70	170.88	-6.80e-04	0.0	301.2	221.63	-714.75	-57.72	240.42	170.88	-257.70
291	1	2427.68	-280.25	-7.74e-03	-110.96	0.0	2312.63	622.65	31.51	-27.55	-379.90	634.29
		634.29	-379.90	-3.24e-04	0.0	316.2	2312.63	511.69	31.51	-27.55	-280.25	2427.68
291	2	2456.74	-238.90	-8.00e-03	-110.96	0.0	2438.75	642.45	28.66	-26.39	-329.54	600.74
		600.74	-329.54	-7.07e-04	0.0	316.2	2438.75	531.49	28.66	-26.39	-238.90	2456.74
292	1	2944.64	-230.80	-6.08e-03	-110.96	0.0	3379.22	469.31	15.64	112.05	-280.25	1636.12
		1636.12	-280.25	-3.15e-04	0.0	316.2	3379.22	358.35	15.64	112.05	-230.80	2944.64
292	2	2974.75	-189.69	-6.34e-03	-110.96	0.0	3572.77	486.94	15.56	108.24	-238.90	1610.47
		1610.47	-238.90	-7.16e-04	0.0	316.2	3572.77	375.98	15.56	108.24	-189.69	2974.75
293	1	3235.12	-161.20	-3.86e-03	-110.96	0.0	4055.34	303.83	22.01	214.47	-230.80	2449.85
		2449.85	-230.80	-3.00e-04	0.0	316.2	4055.34	192.87	22.01	214.47	-161.20	3235.12
293	2	3271.01	-122.41	-4.11e-03	-110.96	0.0	4303.66	319.65	21.28	209.05	-189.69	2435.69
		2435.69	-189.69	-7.21e-04	0.0	316.2	4303.66	208.69	21.28	209.05	-122.41	3271.01
294	1	3248.79	-102.81	-1.28e-03	-110.96	0.0	4349.64	124.12	18.47	303.37	-161.20	3031.76
		3031.76	-161.20	-3.06e-04	0.0	316.2	4349.64	13.16	18.47	303.37	-102.81	3248.79
294	2	3296.22	-58.41	-1.52e-03	-110.96	0.0	4641.98	138.94	20.24	295.02	-122.41	3032.32
		3032.32	-122.41	-7.45e-04	0.0	316.2	4641.98	27.98	20.24	295.02	-58.41	3296.22
295	1	3344.39	-35.21	-1.43e-03	-110.96	0.0	4254.11	-67.33	21.38	369.02	-102.81	3344.39
		2956.07	-102.81	-3.20e-04	0.0	316.2	4254.11	-178.29	21.38	369.02	-35.21	2956.07
295	2	3370.77	16.23	-1.22e-03	-110.96	0.0	4572.61	-53.42	23.60	359.57	-58.41	3370.77
		3026.42	-58.41	-7.83e-04	0.0	316.2	4572.61	-164.38	23.60	359.57	16.23	3026.42
296	1	3369.88	37.98	-4.02e-03	-110.96	0.0	3742.60	-271.71	23.15	414.80	-35.21	3369.88
		2335.32	-35.21	-3.50e-04	0.0	316.2	3742.60	-382.67	23.15	414.80	37.98	2335.32
296	2	3434.96	98.91	-3.87e-03	-110.96	0.0	4067.71	-258.30	26.15	404.67	16.23	3434.96
		2442.80	16.23	-8.39e-04	0.0	316.2	4067.71	-369.26	26.15	404.67	98.91	2442.80
297	1	3083.94	96.76	-6.22e-03	-110.96	0.0	2791.12	-491.61	18.59	440.30	37.98	3083.94
		1354.05	37.98	-3.95e-04	0.0	316.2	2791.12	-602.57	18.59	440.30	96.76	1354.05
297	2	3207.65	158.12	-6.17e-03	-110.96	0.0	3096.31	-477.98	18.73	433.21	98.91	3207.65
		1520.84	98.91	-9.20e-04	0.0	316.2	3096.31	-588.94	18.73	433.21	158.12	1520.84
298	1	2441.30	108.42	-7.73e-03	-110.96	0.0	1398.82	-733.37	3.69	451.40	96.76	2441.30
		-53.04	96.76	-4.55e-04	0.0	316.2	1398.82	-844.33	3.69	451.40	108.42	-53.04
298	2	2646.33	172.67	-7.84e-03	-110.96	0.0	1657.09	-718.36	4.60	446.52	158.12	2646.33
		199.46	158.12	-1.02e-03	0.0	316.2	1657.09	-829.32	4.60	446.52	172.67	199.46
299	1	1250.31	108.42	-8.17e-03	-110.96	0.0	-283.91	-938.56	-2.21	426.95	108.42	1250.31
		-1892.84	101.43	-4.86e-04	0.0	316.2	-283.91	-1049.52	-2.21	426.95	101.43	-1892.84
299	2	1560.30	172.67	-8.51e-03	-110.96	0.0	-96.04	-921.62	-41.35	456.91	172.67	1560.30
		-1529.29	41.91	-1.11e-03	0.0	316.2	-96.04	-1032.58	-41.35	456.91	41.91	-1529.29
300	1	2230.56	-83.07	-7.14e-03	-105.70	0.0	2606.80	651.77	-35.09	31.98	-83.07	426.62
		426.62	-188.76	-5.48e-04	0.0	301.2	2606.80	546.07	-35.09	31.98	-188.76	2230.56
300	2	2371.33	-290.82	-7.33e-03	-105.70	0.0	1464.52	643.25	-28.84	9.98	-290.82	593.04
		593.04	-377.68	-7.20e-04	0.0	301.2	1464.52	537.55	-28.84	9.98	-377.68	2371.33
301	1	2838.79	-188.76	-5.76e-03	-105.70	0.0	3580.00	497.82	-8.73	122.68	-188.76	1498.54
		1498.54	-215.06	-5.53e-04	0.0	301.2	3580.00	392.12	-8.73	122.68	-215.06	2838.79
301	2	3000.35	-350.53	-5.84e-03	-105.70	0.0	2459.69	506.68	9.02	113.76	-377.68	1633.42
		1633.42	-377.68	-6.49e-04	0.0	301.2	2459.69	400.98	9.02	113.76	-350.53	3000.35
302	1	3216.33	-193.36	-3.82e-03	-105.70	0.0	4234.68	337.67	7.20	219.52	-215.06	2358.46
		2358.46	-215.06	-5.48e-04	0.0	301.2	4234.68	231.97	7.20	219.52	-193.36	3216.33
302	2	3374.00	-285.83	-3.79e-03	-105.70	0.0	3200.88	357.01	21.48	225.93	-350.53	2457.87
		2457.87	-350.53	-5.93e-04	0.0	301.2	3200.88	251.31	21.48	225.93	-285.83	3374.00
303	1	3340.06	-143.95	-1.50e-03	-105.70	0.0	4558.38	168.48	16.41	306.60	-193.36	2991.76
		2991.76	-193.36	-5.43e-04	0.0	301.2	4558.38	62.79	16.41	306.60	-143.95	3340.06
303	2	3484.19	-214.86	-1.38e-03	-105.70	0.0	3639.72	193.18	23.56	325.52	-285.83	3061.52
		3061.52	-285.83	-5.53e-04	0.0	301.2	3639.72	87.48	23.56	325.52	-214.86	3484.19
304	1	3381.36	-75.76	-1.03e-03	-105.70	0.0	4534.69	-11.05	22.64	378.20	-143.95	3381.36

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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304	2	3188.91	-143.95	-5.46e-04	0.0	301.2	4534.69	-116.74	22.64	378.20	-75.76	3188.91
		3424.32	-131.98	-1.20e-03	-105.70	0.0	3751.44	16.95	27.52	403.99	-214.86	3420.34
		3312.22	-214.86	-5.28e-04	0.0	301.2	3751.44	-88.74	27.52	403.99	-131.98	3312.22
305	1	3510.16	8.35	-3.52e-03	-105.70	0.0	4142.72	-202.89	27.93	430.56	-75.76	3510.16
		2739.88	-75.76	5.63e-04	0.0	301.2	4142.72	-308.59	27.93	430.56	8.35	2739.88
305	2	3518.80	-36.42	-3.75e-03	-105.70	0.0	3506.31	-172.67	31.72	461.45	-131.98	3518.80
		2839.53	-131.98	-5.22e-04	0.0	301.2	3506.31	-278.37	31.72	461.45	-36.42	2839.53
306	1	3360.46	97.16	-5.78e-03	-105.70	0.0	3354.39	-411.11	29.48	461.96	8.35	3360.46
		1963.01	8.35	5.99e-04	0.0	301.2	3354.39	-516.81	29.48	461.96	97.16	1963.01
306	2	3341.56	62.88	-6.05e-03	-105.70	0.0	2869.91	-379.10	32.97	497.52	-36.42	3341.56
		2040.55	-36.42	-5.40e-04	0.0	301.2	2869.91	-484.79	32.97	497.52	62.88	2040.55
307	1	2901.11	97.16	-7.57e-03	-105.70	0.0	2147.61	-640.99	-0.91	493.39	97.16	2901.11
		811.27	94.43	6.70e-04	0.0	301.2	2147.61	-746.69	-0.91	493.39	94.43	811.27
307	2	2864.70	62.88	-7.86e-03	-105.70	0.0	1810.81	-606.69	-0.30	537.63	62.88	2864.70
		878.17	61.98	-6.03e-04	0.0	301.2	1810.81	-712.39	-0.30	537.63	61.98	878.17
308	1	2011.14	147.26	-8.57e-03	-105.70	0.0	600.81	-880.95	17.54	474.77	94.43	2011.14
		-801.44	94.43	7.02e-04	0.0	301.2	600.81	-986.64	17.54	474.77	147.26	-801.44
308	2	1980.50	154.60	-8.88e-03	-105.70	0.0	392.59	-841.26	30.75	521.12	61.98	1980.50
		-712.54	61.98	-6.24e-04	0.0	301.2	392.59	-946.95	30.75	521.12	154.60	-712.54
309	1	84.24	33.82	-4.98e-05	-78.05	0.0	-372.27	132.49	-23.58	75.76	33.82	-269.46
		-269.46	-55.42	-7.25e-04	0.0	378.4	-372.27	54.45	-23.58	75.76	-55.42	84.24
309	2	62.64	27.84	-2.22e-05	-78.05	0.0	-247.98	126.44	-19.78	74.55	27.84	-268.16
		-268.16	-47.01	-1.13e-03	0.0	378.4	-247.98	48.40	-19.78	74.55	-47.01	62.64
310	1	0.0	0.0	-2.93e-05	-23.17	0.0	-4.18	0.0	-11.46	2.50e-06	0.0	0.0
		-13.02	-12.88	-2.09e-04	0.0	112.4	-4.18	-23.17	-11.46	2.50e-06	-12.88	-13.02
310	2	0.0	0.0	-5.29e-05	-23.17	0.0	11.46	0.0	-4.18	2.50e-06	0.0	0.0
		-13.02	-4.70	-3.28e-04	0.0	112.4	11.46	-23.17	-4.18	2.50e-06	-4.70	-13.02
311	1	12.39	32.83	-5.60e-05	-78.05	0.0	-627.00	28.60	-18.54	1.13	32.83	-7.43
		-46.87	-37.33	-5.08e-04	0.0	378.4	-627.00	-49.45	-18.54	1.13	-37.33	-46.87
311	2	1.15	26.22	-1.56e-05	-78.05	0.0	-321.01	32.11	-14.59	6.36	26.22	-23.75
		-49.89	-28.98	-9.40e-04	0.0	378.4	-321.01	-45.93	-14.59	6.36	-28.98	-49.89
312	1	37.60	68.22	-3.48e-05	-78.05	0.0	-747.74	14.82	-37.03	-8.78	68.22	32.27
		-59.30	-71.90	-6.09e-04	0.0	378.4	-747.74	-63.22	-37.03	-8.78	-71.90	-59.30
312	2	22.98	51.25	-1.80e-05	-78.05	0.0	-280.04	22.79	-27.38	-0.41	51.25	10.46
		-50.98	-52.34	-1.02e-03	0.0	378.4	-280.04	-55.26	-27.38	-0.41	-52.34	-50.98
313	1	47.78	47.37	-8.28e-06	-78.05	0.0	-888.67	2.11	-23.01	-26.37	47.37	47.78
		-91.91	-39.68	-5.18e-04	0.0	378.4	-888.67	-75.94	-23.01	-26.37	-39.68	-91.91
313	2	26.23	33.13	-6.71e-06	-78.05	0.0	-265.42	15.05	-15.94	-10.40	33.13	20.74
		-69.95	-27.18	-9.59e-04	0.0	378.4	-265.42	-62.99	-15.94	-10.40	-27.18	-69.95
314	1	57.02	97.79	-4.23e-06	-78.05	0.0	-694.65	-4.09	-53.56	-4.04	97.79	57.02
		-106.11	-104.89	-7.79e-04	0.0	378.4	-694.65	-82.13	-53.56	-4.04	-104.89	-106.11
314	2	28.00	57.51	-5.12e-06	-78.05	0.0	-128.37	18.81	-30.70	3.25	57.51	19.44
		-57.05	-58.67	-1.11e-03	0.0	378.4	-128.37	-59.24	-30.70	3.25	-58.67	-57.05
315	1	0.0	0.0	-1.67e-06	-15.96	0.0	2.22	15.96	6.14	-2.46e-06	-4.75	-6.18
		-6.18	-4.75	-5.57e-05	0.0	77.4	2.22	0.0	6.14	-2.46e-06	0.0	0.0
315	2	0.0	0.0	-2.82e-06	-15.96	0.0	-6.14	15.96	2.22	-2.46e-06	-1.72	-6.18
		-6.18	-1.72	-1.73e-04	0.0	77.4	-6.14	0.0	2.22	-2.46e-06	0.0	0.0
316	1	0.0	0.0	-1.12e-05	-23.17	0.0	-3.11	0.0	-8.53	2.50e-06	0.0	0.0
		-13.02	-9.58	-1.55e-04	0.0	112.4	-3.11	-23.17	-8.53	2.50e-06	-9.58	-13.02
316	2	0.0	0.0	-9.17e-06	-23.17	0.0	8.53	0.0	-3.11	2.50e-06	0.0	0.0
		-13.02	-3.49	-2.57e-04	0.0	112.4	8.53	-23.17	-3.11	2.50e-06	-3.49	-13.02
317	1	24.77	56.75	-1.49e-05	-78.05	0.0	-545.85	14.52	-30.58	-3.25	56.75	19.66
		-73.07	-58.96	-7.38e-04	0.0	378.4	-545.85	-63.53	-30.58	-3.25	-58.96	-73.07
317	2	19.54	31.41	-1.09e-05	-78.05	0.0	-17.23	22.95	-16.36	4.40	31.41	6.83
		-53.99	-30.48	-1.00e-03	0.0	378.4	-17.23	-55.09	-16.36	4.40	-30.48	-53.99
318	1	-3.45	60.83	-5.69e-05	-78.05	0.0	-639.20	11.43	-32.59	-4.00	60.83	-6.55
		-110.95	-62.48	-7.29e-04	0.0	378.4	-639.20	-66.61	-32.59	-4.00	-62.48	-110.95
318	2	-1.97	30.86	-3.47e-05	-78.05	0.0	-113.42	23.09	-16.42	4.03	30.86	-14.86
		-75.15	-31.26	-1.00e-03	0.0	378.4	-113.42	-54.95	-16.42	4.03	-31.26	-75.15
319	1	7.81	77.03	-1.21e-04	-78.05	0.0	-591.34	30.46	-42.97	-13.18	77.03	-14.65
		-47.05	-85.57	-7.48e-04	0.0	378.4	-591.34	-47.59	-42.97	-13.18	-85.57	-47.05
319	2	19.42	34.41	-6.49e-05	-78.05	0.0	-234.77	41.16	-18.68	-7.61	34.41	-21.54
		-21.54	-36.29	-1.01e-03	0.0	378.4	-234.77	-36.89	-18.68	-7.61	-36.29	-21.54
320	1	133.20	97.22	-3.03e-04	-78.05	0.0	-557.41	-194.86	-59.32	-52.02	97.22	133.20
		-751.82	-127.25	-6.29e-04	0.0	378.4	-557.41	-272.91	-59.32	-52.02	-127.25	-751.82
320	2	114.15	74.37	-1.97e-04	-78.05	0.0	-323.68	-163.40	-46.53	-34.09	74.37	114.15
		-651.84	-101.69	-1.05e-03	0.0	378.4	-323.68	-241.45	-46.53	-34.09	-101.69	-651.84
321	1	0.0	0.0	-2.51e-04	-23.17	0.0	2.33	23.17	6.38	-7.81e-06	-7.17	-13.02
		-13.02	-7.17	-2.67e-05	0.0	112.4	2.33	0.0	6.38	-7.81e-06	0.0	0.0
321	2	0.0	0.0	-1.97e-04	-23.17	0.0	-6.38	23.17	2.33	-7.81e-06	-2.62	-13.02
		-13.02	-2.62	-1.39e-04	0.0	112.4	-6.38	0.0	2.33	-7.81e-06	0.0	0.0
322	1	0.0	0.0	-2.43e-04	-23.17	0.0	-3.12	0.0	-8.55	2.50e-06	0.0	0.0

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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322	2	-13.02	-9.60	-3.11e-05	0.0	112.4	-3.12	-23.17	-8.55	2.50e-06	-9.60	-13.02
		0.0	0.0	-4.45e-04	-23.17	0.0	8.55	0.0	-3.12	2.50e-06	0.0	0.0
323	1	-13.02	-3.50	-2.34e-04	0.0	112.4	8.55	-23.17	-3.12	2.50e-06	-3.50	-13.02
		456.14	91.83	-8.99e-05	-78.05	0.0	-379.05	461.86	-39.22	-42.28	91.83	-1143.89
323	2	-1143.89	-56.58	-6.44e-04	0.0	378.4	-379.05	383.81	-39.22	-42.28	-56.58	456.14
		321.25	38.41	-6.60e-04	-78.05	0.0	480.47	443.60	-12.33	-39.74	38.41	-1209.69
324	1	-1209.69	-8.23	-1.08e-03	0.0	378.4	480.47	365.56	-12.33	-39.74	-8.23	321.25
		372.96	35.36	-1.14e-04	-78.05	0.0	-261.89	241.08	-15.89	-1.04	35.36	-391.62
324	2	-391.62	-24.77	-7.54e-04	0.0	378.4	-261.89	163.03	-15.89	-1.04	-24.77	372.96
		174.02	37.66	-2.83e-04	-78.05	0.0	310.86	174.60	18.87	-9.95	-33.76	-339.02
325	1	-339.02	-33.76	-1.05e-03	0.0	378.4	310.86	96.56	18.87	-9.95	37.66	174.02
		73.87	25.94	-8.86e-05	-78.05	0.0	-253.84	-9.75	-13.96	-3.08	25.94	73.87
325	2	-110.67	-26.90	-7.71e-04	0.0	378.4	-253.84	-87.79	-13.96	-3.08	-26.90	-110.67
		43.28	36.68	-2.92e-04	-78.05	0.0	232.39	-45.14	-21.48	20.67	36.68	43.28
326	1	-275.18	-44.59	-1.04e-03	0.0	378.4	232.39	-123.18	-21.48	20.67	-44.59	-275.18
		-6.13	-1.51	-1.03e-04	-78.05	0.0	-341.43	30.96	-0.23	24.00	-1.51	-29.29
326	2	-59.81	-2.37	-6.88e-04	0.0	378.4	-341.43	-47.09	-0.23	24.00	-2.37	-59.81
		254.28	6.47	-4.59e-04	-78.05	0.0	350.29	-110.36	-6.75	36.48	6.47	254.28
327	1	-311.00	-19.08	-1.05e-03	0.0	378.4	350.29	-188.41	-6.75	36.48	-19.08	-311.00
		0.0	0.0	-2.71e-05	-23.17	0.0	-3.07	0.0	-8.42	2.50e-06	0.0	0.0
327	2	-13.02	-9.46	-2.19e-04	0.0	112.4	-3.07	-23.17	-8.42	2.50e-06	-9.46	-13.02
		0.0	0.0	-1.01e-04	-23.17	0.0	8.42	0.0	-3.07	2.50e-06	0.0	0.0
328	1	-13.02	-3.45	-3.24e-04	0.0	112.4	8.42	-23.17	-3.07	2.50e-06	-3.45	-13.02
		119.29	32.58	-4.49e-05	-78.05	0.0	-181.08	-27.34	-16.73	-10.70	32.58	119.29
328	2	-131.81	-30.75	-8.01e-04	0.0	378.4	-181.08	-105.38	-16.73	-10.70	-30.75	-131.81
		146.04	49.24	-1.44e-04	-78.05	0.0	76.47	-77.57	-26.94	8.48	49.24	146.04
329	1	-295.13	-52.71	-1.01e-03	0.0	378.4	76.47	-155.61	-26.94	8.48	-52.71	-295.13
		370.55	17.62	-7.63e-05	-78.05	0.0	-205.40	238.57	-8.38	9.40	17.62	-384.53
329	2	-384.53	-14.08	-7.85e-04	0.0	378.4	-205.40	160.52	-8.38	9.40	-14.08	370.55
		195.55	44.48	-1.34e-04	-78.05	0.0	167.30	185.36	23.60	0.90	-44.84	-358.21
330	1	-358.21	-44.84	-1.03e-03	0.0	378.4	167.30	107.32	23.60	0.90	44.48	195.55
		0.0	0.0	-1.29e-05	-23.17	0.0	1.11	23.17	3.04	-2.67e-06	-3.41	-13.02
330	2	-13.02	-3.41	-1.96e-04	0.0	112.4	1.11	0.0	3.04	-2.67e-06	0.0	0.0
		0.0	0.0	-1.29e-05	-23.17	0.0	-3.04	23.17	1.11	-2.67e-06	-1.24	-13.02
331	1	-13.02	-1.24	1.75e-04	0.0	112.4	-3.04	0.0	1.11	-2.67e-06	0.0	0.0
		0.0	0.0	-1.93e-05	-23.17	0.0	-0.99	0.0	-2.71	2.50e-06	0.0	0.0
331	2	-13.02	-3.04	-1.80e-04	0.0	112.4	-0.99	-23.17	-2.71	2.50e-06	-3.04	-13.02
		0.0	0.0	-2.48e-05	-23.17	0.0	2.71	0.0	-0.99	2.50e-06	0.0	0.0
332	1	-13.02	-1.11	1.19e-04	0.0	112.4	2.71	-23.17	-0.99	2.50e-06	-1.11	-13.02
		0.0	0.0	-1.09e-04	-23.17	0.0	0.21	23.17	0.57	2.50e-06	-0.64	-13.02
332	2	-13.02	-0.64	-2.12e-04	0.0	112.4	0.21	0.0	0.57	2.50e-06	0.0	0.0
		0.0	0.0	-5.65e-05	-23.17	0.0	-0.57	23.17	0.21	2.50e-06	-0.23	-13.02
333	1	-13.02	-0.23	1.98e-04	0.0	112.4	-0.57	0.0	0.21	2.50e-06	0.0	0.0
		117.16	140.91	-9.34e-05	-78.05	0.0	-415.30	230.10	-65.37	-10.44	140.91	-605.88
333	2	-605.88	-106.45	-1.11e-03	0.0	378.4	-415.30	152.05	-65.37	-10.44	-106.45	117.16
		117.70	152.29	-2.14e-04	-78.05	0.0	-558.11	255.37	-71.50	-31.26	152.29	-700.95
334	1	-700.95	-118.26	-9.97e-04	0.0	378.4	-558.11	177.32	-71.50	-31.26	-118.26	117.70
		-22.27	43.56	-5.44e-05	-78.05	0.0	-481.92	50.48	-22.83	9.98	43.56	-83.97
334	2	-83.97	-42.81	-8.22e-04	0.0	378.4	-481.92	-27.57	-22.83	9.98	-42.81	-40.63
		15.57	45.82	-3.23e-06	-78.05	0.0	-574.56	58.84	-23.30	0.22	45.82	-68.35
335	1	-68.35	-42.35	6.77e-04	0.0	378.4	-574.56	-19.21	-23.30	0.22	-42.35	6.63
		4.67e-03	5.79e-05	-0.02	-0.03	0.0	-0.48	0.01	-3.05e-05	4.78e-06	5.79e-05	-9.38e-03
335	2	-9.38e-03	-5.75e-05	-8.03e-04	0.0	378.4	-0.48	-0.01	-3.05e-05	4.78e-06	-5.75e-05	-9.38e-03
		4.68e-03	3.99e-05	-0.02	-0.03	0.0	0.07	0.01	-2.11e-05	4.18e-06	3.99e-05	-9.37e-03
336	1	-9.37e-03	-3.97e-05	-1.08e-03	0.0	378.4	0.07	-0.01	-2.11e-05	4.18e-06	-3.97e-05	-9.37e-03
		4.65e-03	5.67e-05	-0.02	-0.03	0.0	-0.56	0.01	-2.92e-05	1.57e-05	5.67e-05	-9.40e-03
336	2	-9.40e-03	-5.37e-05	-8.39e-04	0.0	378.4	-0.56	-0.01	-2.92e-05	1.57e-05	-5.37e-05	-9.39e-03
		4.66e-03	4.06e-05	-0.02	-0.03	0.0	-0.08	0.01	-2.08e-05	1.61e-05	4.06e-05	-9.40e-03
337	1	-9.40e-03	-3.82e-05	-1.12e-03	0.0	378.4	-0.08	-0.01	-2.08e-05	1.61e-05	-3.82e-05	-9.39e-03
		-65.70	7.71	-2.02e-04	-78.05	0.0	-482.96	-0.09	-2.51	44.26	7.71	-65.70
337	2	-213.71	-1.78	-6.96e-04	0.0	378.4	-482.96	-78.14	-2.51	44.26	-1.78	-213.71
		17.63	26.26	-4.10e-05	-78.05	0.0	-450.26	-28.05	-10.62	52.83	26.26	17.63
338	1	-236.16	-13.94	6.75e-04	0.0	378.4	-450.26	-106.09	-10.62	52.83	-13.94	-236.16
		32.83	31.24	-2.12e-05	-78.05	0.0	-461.16	70.50	-16.79	-3.14	31.24	-87.54
338	2	-87.54	-32.30	-8.00e-04	0.0	378.4	-461.16	-7.55	-16.79	-3.14	-32.30	31.56
		41.86	55.87	-1.18e-05	-78.05	0.0	-756.16	80.96	-29.68	-11.20	55.87	-116.84
339	1	-116.84	-56.44	-8.33e-04	0.0	378.4	-756.16	2.91	-29.68	-11.20	-56.44	41.86
		24.11	34.22	-9.42e-06	-78.05	0.0	-357.34	55.96	-17.94	-0.88	34.22	-51.69
339	2	-51.69	-33.67	-8.06e-04	0.0	378.4	-357.34	-22.08	-17.94	-0.88	-33.67	12.41
		29.52	52.78	-1.21e-05	-78.05	0.0	-710.00	63.74	-27.90	-9.47	52.78	-68.96
340	1	-68.96	-52.81	-8.14e-04	0.0	378.4	-710.00	-14.31	-27.90	-9.47	-52.81	24.56
		33.18	35.69	-8.94e-06	-78.05	0.0	-234.62	59.83	-18.65	0.65	35.69	-53.54

		-53.54	-34.88	-8.21e-04	0.0	378.4	-234.62	-18.22	-18.65	0.65	-34.88	25.17
340	2	39.70	50.65	-7.24e-06	-78.05	0.0	-554.96	65.30	-26.53	-9.02	50.65	-63.58
		-63.58	-49.72	-8.08e-04	0.0	378.4	-554.96	-12.75	-26.53	-9.02	-49.72	35.85
341	1	35.37	54.61	-8.59e-06	-78.05	0.0	-285.96	77.35	-28.36	-5.66	54.61	-109.68
		-109.68	-52.69	-8.49e-04	0.0	378.4	-285.96	-0.69	-28.36	-5.66	-52.69	35.37
341	2	62.27	72.36	6.16e-06	-78.05	0.0	-546.63	96.21	-37.36	-18.56	72.36	-154.11
		-154.11	-69.00	7.33e-04	0.0	378.4	-546.63	18.16	-37.36	-18.56	-69.00	62.27
342	1	11.94	49.36	-2.90e-06	-78.05	0.0	-391.85	57.97	-26.05	-2.80	49.36	-69.50
		-69.50	-49.20	-8.43e-04	0.0	378.4	-391.85	-20.08	-26.05	-2.80	-49.20	2.17
342	2	35.04	60.42	-4.05e-06	-78.05	0.0	-611.15	68.05	-31.61	-14.80	60.42	-77.23
		-77.23	-59.20	7.15e-04	0.0	378.4	-611.15	-9.99	-31.61	-14.80	-59.20	32.62
343	1	410.24	3.62	5.24e-05	-78.05	0.0	-57.37	348.21	-2.68	16.56	3.62	-759.71
		-759.71	-6.52	-8.43e-04	0.0	378.4	-57.37	270.16	-2.68	16.56	-6.52	410.24
343	2	306.58	37.73	-3.75e-05	-78.05	0.0	-77.81	252.72	22.03	-0.56	-45.64	-502.05
		-502.05	-45.64	-9.74e-04	0.0	378.4	-77.81	174.67	22.03	-0.56	37.73	306.58
344	1	310.67	8.43	-9.73e-05	-78.05	0.0	-29.37	215.67	-3.74	4.34	8.43	-357.77
		-357.77	-5.72	-8.51e-04	0.0	378.4	-29.37	137.62	-3.74	4.34	-5.72	310.67
344	2	239.20	28.47	-8.35e-05	-78.05	0.0	-209.58	153.15	15.92	-10.25	-31.78	-192.67
		-192.67	-31.78	-9.50e-04	0.0	378.4	-209.58	75.11	15.92	-10.25	28.47	239.20
345	1	71.86	31.72	-7.35e-05	-78.05	0.0	-11.04	-33.03	-17.25	5.49	31.72	71.86
		-200.81	-33.56	-8.53e-04	0.0	378.4	-11.04	-111.08	-17.25	5.49	-33.56	-200.81
345	2	178.74	58.94	-1.35e-04	-78.05	0.0	-262.27	-56.41	-32.05	17.69	58.94	178.74
		-182.38	-62.33	-9.31e-04	0.0	378.4	-262.27	-134.46	-32.05	17.69	-62.33	-182.38
346	1	293.81	24.56	-5.16e-05	-78.05	0.0	-17.29	-96.53	-13.33	-2.49	24.56	293.81
		-219.11	-25.89	-8.42e-04	0.0	378.4	-17.29	-174.57	-13.33	-2.49	-25.89	-219.11
346	2	381.09	55.85	-7.26e-05	-78.05	0.0	-111.07	-127.93	-30.11	8.50	55.85	381.09
		-250.65	-58.07	-9.52e-04	0.0	378.4	-111.07	-205.97	-30.11	8.50	-58.07	-250.65
347	1	65.74	41.35	-1.38e-04	-78.05	0.0	-56.48	-6.36	-23.56	-3.91	41.35	65.74
		-106.01	-47.81	-8.51e-04	0.0	378.4	-56.48	-84.41	-23.56	-3.91	-47.81	-106.01
347	2	211.03	66.36	-2.42e-04	-78.05	0.0	-415.80	-48.59	-37.92	6.62	66.36	211.03
		-120.50	-77.12	-8.86e-04	0.0	378.4	-415.80	-126.63	-37.92	6.62	-77.12	-120.50
348	1	196.15	4.85	-1.68e-04	-78.05	0.0	-39.37	194.52	1.38	21.20	-0.36	-392.26
		-392.26	-0.36	-8.56e-04	0.0	378.4	-39.37	116.47	1.38	21.20	4.85	196.15
348	2	190.49	28.44	-1.85e-04	-78.05	0.0	-344.13	138.99	15.64	-0.86	-30.73	-187.78
		-187.78	-30.73	-9.15e-04	0.0	378.4	-344.13	60.94	15.64	-0.86	28.44	190.49
349	1	315.23	15.78	-4.23e-05	-78.05	0.0	-81.40	219.43	-7.74	11.74	15.78	-367.42
		-367.42	-13.49	-8.18e-04	0.0	378.4	-81.40	141.38	-7.74	11.74	-13.49	315.23
349	2	188.53	44.98	-2.02e-05	-78.05	0.0	-240.51	174.51	25.46	2.68	-51.35	-324.17
		-324.17	-51.35	-9.71e-04	0.0	378.4	-240.51	96.47	25.46	2.68	44.98	188.53
350	1	578.39	8.41	-4.47e-05	-78.05	0.0	-211.01	313.15	-3.86	-2.92	8.41	-458.93
		-458.93	-6.18	-8.16e-04	0.0	378.4	-211.01	235.11	-3.86	-2.92	-6.18	578.39
350	2	416.00	42.11	-3.78e-05	-78.05	0.0	439.95	240.64	20.47	-8.48	-35.34	-346.91
		-346.91	-35.34	-1.02e-03	0.0	378.4	439.95	162.59	20.47	-8.48	42.11	416.00
351	1	187.44	33.55	-2.71e-05	-78.05	0.0	-232.27	-84.56	-16.97	-7.25	33.55	187.44
		-280.19	-30.66	-8.25e-04	0.0	378.4	-232.27	-162.60	-16.97	-7.25	-30.66	-280.19
351	2	244.25	51.63	2.73e-05	-78.05	0.0	374.87	-139.13	-28.26	9.41	51.63	244.25
		-429.87	-55.30	-1.02e-03	0.0	378.4	374.87	-217.17	-28.26	9.41	-55.30	-429.87
352	1	123.82	35.64	-1.00e-05	-78.05	0.0	-58.44	-32.98	-19.02	-7.46	35.64	123.82
		-148.62	-36.32	-8.27e-04	0.0	378.4	-58.44	-111.02	-19.02	-7.46	-36.32	-148.62
352	2	144.63	44.40	-4.63e-05	-78.05	0.0	-237.97	-60.73	-22.64	6.96	44.40	144.63
		-232.85	-41.25	-9.74e-04	0.0	378.4	-237.97	-138.78	-22.64	6.96	-41.25	-232.85
353	1	293.04	73.55	-4.38e-04	-78.05	0.0	-218.14	-388.17	-46.52	-16.01	73.55	293.04
		-1323.46	-102.50	-8.08e-04	0.0	378.4	-218.14	-466.21	-46.52	-16.01	-102.50	-1323.46
353	2	366.79	85.88	-1.19e-04	-78.05	0.0	-703.01	-362.66	-54.06	-20.20	85.88	366.79
		-1153.21	-118.67	-7.31e-04	0.0	378.4	-703.01	-440.71	-54.06	-20.20	-118.67	-1153.21
354	1	642.53	31.49	-2.41e-04	-78.05	0.0	-156.05	335.31	15.01	29.02	-25.32	-478.61
		-478.61	-25.32	-8.13e-04	0.0	378.4	-156.05	257.26	15.01	29.02	31.49	642.53
354	2	268.12	50.61	-2.89e-04	-78.05	0.0	-599.95	156.68	27.13	18.37	-52.07	-177.09
		-177.09	-52.07	-7.94e-04	0.0	378.4	-599.95	78.63	27.13	18.37	50.61	268.12
355	1	0.0	0.0	-1.49e-05	-15.96	0.0	1.46	15.96	4.04	-2.46e-06	-3.13	-6.18
		-6.18	-3.13	-1.42e-04	0.0	77.4	1.46	0.0	4.04	-2.46e-06	0.0	0.0
355	2	0.0	0.0	-4.07e-05	-15.96	0.0	-4.04	15.96	1.46	-2.46e-06	-1.13	-6.18
		-6.18	-1.13	-1.54e-04	0.0	77.4	-4.04	0.0	1.46	-2.46e-06	0.0	0.0
356	1	0.0	0.0	-5.86e-05	-15.96	0.0	1.49	15.96	4.12	-2.46e-06	-3.19	-6.18
		-6.18	-3.19	-1.62e-04	0.0	77.4	1.49	0.0	4.12	-2.46e-06	0.0	0.0
356	2	0.0	0.0	-3.98e-05	-15.96	0.0	-4.12	15.96	1.49	-2.46e-06	-1.15	-6.18
		-6.18	-1.15	-2.52e-04	0.0	77.4	-4.12	0.0	1.49	-2.46e-06	0.0	0.0
357	1	27.84	11.27	-1.67e-05	-78.05	0.0	-600.05	45.92	-8.34	-13.61	11.27	-23.19
		-23.19	-20.30	-7.96e-04	0.0	378.4	-600.05	-32.12	-8.34	-13.61	-20.30	2.92
357	2	17.44	52.62	-2.79e-05	-78.05	0.0	-766.18	61.78	-28.53	-20.58	52.62	-75.01
		-75.01	-55.32	-8.45e-04	0.0	378.4	-766.18	-16.27	-28.53	-20.58	-55.32	11.09
358	1	0.0	0.0	-1.24e-04	-23.17	0.0	-2.05	0.0	-5.61	2.50e-06	0.0	0.0

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234								
358	2	-13.02	-6.30	-2.54e-04	0.0	112.4	-2.05	-23.17	-5.61	2.50e-06	-6.30	-13.02
		0.0	0.0	-8.96e-05	-23.17	0.0	5.61	0.0	-2.05	2.50e-06	0.0	0.0
		-13.02	-2.30	-3.62e-04	0.0	112.4	5.61	-23.17	-2.05	2.50e-06	-2.30	-13.02
359	1	0.0	0.0	-7.08e-05	-23.17	0.0	-2.00	0.0	-5.49	2.50e-06	0.0	0.0
		-13.02	-6.16	-2.24e-04	0.0	112.4	-2.00	-23.17	-5.49	2.50e-06	-6.16	-13.02
359	2	0.0	0.0	-5.72e-05	-23.17	0.0	5.49	0.0	-2.00	2.50e-06	0.0	0.0
		-13.02	-2.25	-2.14e-04	0.0	112.4	5.49	-23.17	-2.00	2.50e-06	-2.25	-13.02
360	1	0.0	0.0	-3.83e-05	-23.17	0.0	1.26	23.17	3.47	2.50e-06	-3.90	-13.02
		-13.02	-3.90	-2.88e-04	0.0	112.4	1.26	0.0	3.47	2.50e-06	0.0	0.0
360	2	0.0	0.0	-1.40e-04	-23.17	0.0	-3.47	23.17	1.26	2.50e-06	-1.42	-13.02
		-13.02	-1.42	-2.99e-04	0.0	112.4	-3.47	0.0	1.26	2.50e-06	0.0	0.0
361	1	0.0	0.0	-4.10e-04	-23.17	0.0	1.22	23.17	3.34	2.50e-06	-3.76	-13.02
		-13.02	-3.76	-6.34e-05	0.0	112.4	1.22	0.0	3.34	2.50e-06	0.0	0.0
361	2	0.0	0.0	-1.94e-04	-23.17	0.0	-3.34	23.17	1.22	2.50e-06	-1.37	-13.02
		-13.02	-1.37	-1.59e-05	0.0	112.4	-3.34	0.0	1.22	2.50e-06	0.0	0.0
362	1	0.0	0.0	-1.55e-04	-23.17	0.0	-2.06	0.0	-5.64	2.50e-06	0.0	0.0
		-13.02	-6.34	-1.02e-04	0.0	112.4	-2.06	-23.17	-5.64	2.50e-06	-6.34	-13.02
362	2	0.0	0.0	-2.14e-04	-23.17	0.0	5.64	0.0	-2.06	2.50e-06	0.0	0.0
		-13.02	-2.31	-5.19e-05	0.0	112.4	5.64	-23.17	-2.06	2.50e-06	-2.31	-13.02
363	1	4.65e-03	5.26e-05	-0.02	-0.03	0.0	-0.57	0.01	-2.82e-05	1.95e-05	5.26e-05	-9.40e-03
		-9.41e-03	-5.40e-05	-6.43e-04	0.0	378.4	-0.57	-0.01	-2.82e-05	1.95e-05	-5.40e-05	-9.41e-03
363	2	4.65e-03	4.76e-05	-0.02	-0.03	0.0	-0.28	0.01	-2.54e-05	1.98e-05	4.76e-05	-9.40e-03
		-9.41e-03	-4.87e-05	-1.13e-03	0.0	378.4	-0.28	-0.01	-2.54e-05	1.98e-05	-4.87e-05	-9.41e-03
364	1	4.67e-03	5.56e-05	-0.02	-0.03	0.0	-0.50	0.01	-2.93e-05	6.05e-06	5.56e-05	-9.38e-03
		-9.38e-03	-5.52e-05	-6.52e-04	0.0	378.4	-0.50	-0.01	-2.93e-05	6.05e-06	-5.52e-05	-9.38e-03
364	2	4.67e-03	4.71e-05	-0.02	-0.03	0.0	-0.04	0.01	-2.48e-05	6.15e-06	4.71e-05	-9.38e-03
		-9.38e-03	-4.65e-05	-1.10e-03	0.0	378.4	-0.04	-0.01	-2.48e-05	6.15e-06	-4.65e-05	-9.38e-03
365	1	4.68e-03	5.62e-05	-0.02	-0.03	0.0	-0.51	0.01	-2.96e-05	1.24e-06	5.62e-05	-9.37e-03
		-9.37e-03	-5.58e-05	-6.77e-04	0.0	378.4	-0.51	-0.01	-2.96e-05	1.24e-06	-5.58e-05	-9.37e-03
365	2	4.68e-03	4.41e-05	-0.02	-0.03	0.0	0.08	0.01	-2.33e-05	1.74e-06	4.41e-05	-9.37e-03
		-9.37e-03	-4.40e-05	-1.08e-03	0.0	378.4	0.08	-0.01	-2.33e-05	1.74e-06	-4.40e-05	-9.37e-03
366	1	4.68e-03	5.77e-05	-0.02	-0.03	0.0	-0.53	0.01	-3.04e-05	0.0	5.77e-05	-9.37e-03
		-9.37e-03	-5.75e-05	-7.09e-04	0.0	378.4	-0.53	-0.01	-3.04e-05	0.0	-5.75e-05	-9.36e-03
366	2	4.68e-03	4.24e-05	-0.02	-0.03	0.0	0.13	0.01	-2.24e-05	0.0	4.24e-05	-9.37e-03
		-9.37e-03	-4.24e-05	-1.06e-03	0.0	378.4	0.13	-0.01	-2.24e-05	0.0	-4.24e-05	-9.37e-03
367	1	4.69e-03	5.92e-05	-0.02	-0.03	0.0	-0.56	0.01	-3.13e-05	-1.01e-06	5.92e-05	-9.37e-03
		-9.37e-03	-5.91e-05	-7.36e-04	0.0	378.4	-0.56	-0.01	-3.13e-05	-1.01e-06	-5.91e-05	-9.36e-03
367	2	4.68e-03	4.10e-05	-0.02	-0.03	0.0	0.14	0.01	-2.17e-05	0.0	4.10e-05	-9.37e-03
		-9.37e-03	-4.11e-05	-1.04e-03	0.0	378.4	0.14	-0.01	-2.17e-05	0.0	-4.11e-05	-9.36e-03
368	1	4.68e-03	5.94e-05	-0.02	-0.03	0.0	-0.52	0.01	-3.12e-05	0.0	5.94e-05	-9.37e-03
		-9.37e-03	-5.87e-05	-7.71e-04	0.0	378.4	-0.52	-0.01	-3.12e-05	0.0	-5.87e-05	-9.37e-03
368	2	4.68e-03	3.91e-05	-0.02	-0.03	0.0	0.15	0.01	-2.05e-05	0.0	3.91e-05	-9.37e-03
		-9.37e-03	-3.86e-05	-1.03e-03	0.0	378.4	0.15	-0.01	-2.05e-05	0.0	-3.86e-05	-9.37e-03
369	1	4.68e-03	5.83e-05	-0.02	-0.03	0.0	-0.49	0.01	-3.06e-05	1.54e-06	5.83e-05	-9.37e-03
		-9.37e-03	-5.76e-05	-7.84e-04	0.0	378.4	-0.49	-0.01	-3.06e-05	1.54e-06	-5.76e-05	-9.37e-03
369	2	4.68e-03	3.90e-05	-0.02	-0.03	0.0	0.13	0.01	-2.05e-05	1.05e-06	3.90e-05	-9.37e-03
		-9.37e-03	-3.85e-05	-1.05e-03	0.0	378.4	0.13	-0.01	-2.05e-05	1.05e-06	-3.85e-05	-9.37e-03
370	1	4.68e-03	5.27e-05	-0.02	-0.03	0.0	-0.23	0.01	-2.77e-05	2.92e-06	5.27e-05	-9.38e-03
		-9.38e-03	-5.22e-05	-8.93e-04	0.0	378.4	-0.23	-0.01	-2.77e-05	2.92e-06	-5.22e-05	-9.37e-03
370	2	4.67e-03	6.22e-05	-0.02	-0.03	0.0	-0.47	0.01	-3.28e-05	3.54e-06	6.22e-05	-9.38e-03
		-9.38e-03	-6.20e-05	-9.59e-04	0.0	378.4	-0.47	-0.01	-3.28e-05	3.54e-06	-6.20e-05	-9.37e-03
371	1	4.65e-03	5.04e-05	-0.02	-0.03	0.0	-0.38	0.01	-2.72e-05	1.60e-05	5.04e-05	-9.39e-03
		-9.40e-03	-5.25e-05	-9.09e-04	0.0	378.4	-0.38	-0.01	-2.72e-05	1.60e-05	-5.25e-05	-9.40e-03
371	2	4.65e-03	5.92e-05	-0.02	-0.03	0.0	-0.62	0.01	-3.20e-05	1.54e-05	5.92e-05	-9.39e-03
		-9.40e-03	-6.18e-05	-9.85e-04	0.0	378.4	-0.62	-0.01	-3.20e-05	1.54e-05	-6.18e-05	-9.40e-03
372	1	4.68e-03	5.08e-05	-0.02	-0.03	0.0	-0.15	0.01	-2.68e-05	0.0	5.08e-05	-9.37e-03
		-9.37e-03	-5.08e-05	-8.82e-04	0.0	378.4	-0.15	-0.01	-2.68e-05	0.0	-5.08e-05	-9.37e-03
372	2	4.68e-03	6.06e-05	-0.02	-0.03	0.0	-0.41	0.01	-3.21e-05	0.0	6.06e-05	-9.37e-03
		-9.37e-03	-6.09e-05	-9.40e-04	0.0	378.4	-0.41	-0.01	-3.21e-05	0.0	-6.09e-05	-9.37e-03
373	1	4.68e-03	5.13e-05	-0.02	-0.03	0.0	-0.26	0.01	-2.71e-05	1.16e-06	5.13e-05	-9.37e-03
		-9.37e-03	-5.12e-05	-8.50e-04	0.0	378.4	-0.26	-0.01	-2.71e-05	1.16e-06	-5.12e-05	-9.37e-03
373	2	4.68e-03	5.51e-05	-0.02	-0.03	0.0	-0.49	0.01	-2.92e-05	0.0	5.51e-05	-9.37e-03
		-9.37e-03	-5.53e-05	-7.75e-04	0.0	378.4	-0.49	-0.01	-2.92e-05	0.0	-5.53e-05	-9.37e-03
374	1	4.68e-03	5.10e-05	-0.02	-0.03	0.0	-0.24	0.01	-2.69e-05	0.0	5.10e-05	-9.36e-03
		-9.37e-03	-5.09e-05	-8.41e-04	0.0	378.4	-0.24	-0.01	-2.69e-05	0.0	-5.09e-05	-9.37e-03
374	2	4.69e-03	5.72e-05	-0.02	-0.03	0.0	-0.50	0.01	-3.03e-05	-1.22e-06	5.72e-05	-9.36e-03
		-9.37e-03	-5.73e-05	-8.09e-04	0.0	378.4	-0.50	-0.01	-3.03e-05	-1.22e-06	-5.73e-05	-9.37e-03
375	1	4.67e-03	5.23e-05	-0.02	-0.03	0.0	-0.28	0.01	-2.76e-05	4.65e-06	5.23e-05	-9.37e-03
		-9.38e-03	-5.24e-05	-8.64e-04	0.0	378.4	-0.28	-0.01	-2.76e-05	4.65e-06	-5.24e-05	-9.38e-03
375	2	4.67e-03	5.36e-05	-0.02	-0.03	0.0	-0.46	0.01	-2.84e-05	4.42e-06	5.36e-05	-9.37e-03
		-9.38e-03	-5.38e-05	7.45e-04	0.0	378.4	-0.46	-0.01	-2.84e-05	4.42e-06	-5.38e-05	-9.38e-03
376	1	4.69e-03	5.01e-05	-0.02	-0.03	0.0	-0.15	0.01	-2.67e-05	0.0	5.01e-05	-9.37e-03

376	2	-9.37e-03	-5.07e-05	-8.54e-04	0.0	378.4	-0.15	-0.01	-2.67e-05	0.0	-5.07e-05	-9.36e-03
		4.69e-03	5.97e-05	-0.02	-0.03	0.0	-0.42	0.01	-3.18e-05	0.0	5.97e-05	-9.37e-03
		-9.37e-03	-6.05e-05	-8.89e-04	0.0	378.4	-0.42	-0.01	-3.18e-05	0.0	-6.05e-05	-9.36e-03
377	1	4.68e-03	5.02e-05	-0.02	-0.03	0.0	-0.12	0.01	-2.66e-05	0.0	5.02e-05	-9.37e-03
		-9.37e-03	-5.04e-05	-8.69e-04	0.0	378.4	-0.12	-0.01	-2.66e-05	0.0	-5.04e-05	-9.37e-03
377	2	4.68e-03	6.01e-05	-0.02	-0.03	0.0	-0.39	0.01	-3.19e-05	0.0	6.01e-05	-9.37e-03
		-9.37e-03	-6.06e-05	-9.19e-04	0.0	378.4	-0.39	-0.01	-3.19e-05	0.0	-6.06e-05	-9.37e-03
378	1	4.65e-03	5.27e-05	-0.02	-0.03	0.0	-0.40	0.01	-2.73e-05	1.83e-05	5.27e-05	-9.41e-03
		-9.41e-03	-5.06e-05	-8.95e-04	0.0	378.4	-0.40	-0.01	-2.73e-05	1.83e-05	-5.06e-05	-9.40e-03
378	2	4.65e-03	5.18e-05	-0.02	-0.03	0.0	-0.49	0.01	-2.68e-05	1.81e-05	5.18e-05	-9.41e-03
		-9.41e-03	-4.98e-05	7.40e-04	0.0	378.4	-0.49	-0.01	-2.68e-05	1.81e-05	-4.98e-05	-9.40e-03
379	1	3.29e-03	0.0	-0.02	-0.02	0.0	-0.97	0.01	-1.27e-06	1.87e-05	0.0	-6.55e-03
		-6.55e-03	-3.48e-06	-5.68e-04	0.0	316.2	-0.97	-0.01	-1.27e-06	1.87e-05	-3.48e-06	-6.49e-03
379	2	3.29e-03	0.0	-0.02	-0.02	0.0	-0.80	0.01	-1.04e-06	1.75e-05	0.0	-6.55e-03
		-6.55e-03	-2.83e-06	-9.52e-04	0.0	316.2	-0.80	-0.01	-1.04e-06	1.75e-05	-2.83e-06	-6.49e-03
380	1	3.25e-03	1.05e-05	-0.01	-0.02	0.0	0.36	0.01	3.47e-06	5.20e-06	0.0	-6.48e-03
		-6.63e-03	0.0	-8.83e-05	0.0	316.2	0.36	-0.01	3.47e-06	5.20e-06	1.05e-05	-6.48e-03
380	2	3.25e-03	9.89e-06	-0.02	-0.02	0.0	0.37	0.01	3.27e-06	5.15e-06	0.0	-6.48e-03
		-6.63e-03	0.0	-4.62e-04	0.0	316.2	0.37	-0.01	3.27e-06	5.15e-06	9.89e-06	-6.63e-03
381	1	3.28e-03	1.03e-05	-0.02	-0.02	0.0	-0.54	0.01	-5.18e-06	1.14e-05	1.03e-05	-6.51e-03
		-6.55e-03	-6.04e-06	-4.23e-04	0.0	316.2	-0.54	-0.01	-5.18e-06	1.14e-05	-6.04e-06	-6.55e-03
381	2	3.28e-03	9.71e-06	-0.02	-0.02	0.0	-0.41	0.01	-4.69e-06	1.13e-05	9.71e-06	-6.51e-03
		-6.55e-03	-5.12e-06	-7.82e-04	0.0	316.2	-0.41	-0.01	-4.69e-06	1.13e-05	-5.12e-06	-6.55e-03
382	1	3.30e-03	1.34e-06	-0.02	-0.02	0.0	-1.31	0.01	2.25e-06	4.45e-06	-5.77e-06	-6.50e-03
		-6.53e-03	-5.77e-06	-3.09e-04	0.0	316.2	-1.31	-0.01	2.25e-06	4.45e-06	1.34e-06	-6.53e-03
382	2	3.30e-03	1.50e-06	-0.02	-0.02	0.0	-1.12	0.01	2.02e-06	4.29e-06	-4.89e-06	-6.50e-03
		-6.53e-03	-4.89e-06	-6.99e-04	0.0	316.2	-1.12	-0.01	2.02e-06	4.29e-06	1.50e-06	-6.53e-03
383	1	3.31e-03	1.49e-06	-0.01	-0.02	0.0	-1.72	0.01	0.0	6.12e-06	1.49e-06	-6.48e-03
		-6.52e-03	0.0	-3.01e-04	0.0	316.2	-1.72	-0.01	0.0	6.12e-06	0.0	-6.52e-03
383	2	3.31e-03	1.63e-06	-0.01	-0.02	0.0	-1.51	0.01	0.0	5.91e-06	1.63e-06	-6.48e-03
		-6.52e-03	0.0	-7.08e-04	0.0	316.2	-1.51	-0.01	0.0	5.91e-06	0.0	-6.52e-03
384	1	3.32e-03	0.0	-0.01	-0.02	0.0	-2.00	0.01	0.0	1.05e-05	0.0	-6.47e-03
		-6.51e-03	0.0	-2.94e-04	0.0	316.2	-2.00	-0.01	0.0	1.05e-05	0.0	-6.51e-03
384	2	3.32e-03	0.0	-0.01	-0.02	0.0	-1.78	0.01	0.0	1.01e-05	0.0	-6.47e-03
		-6.51e-03	0.0	-7.22e-04	0.0	316.2	-1.78	-0.01	0.0	1.01e-05	0.0	-6.51e-03
385	1	3.32e-03	0.0	-0.01	-0.02	0.0	-2.09	0.01	0.0	1.46e-05	0.0	-6.46e-03
		-6.51e-03	0.0	-3.07e-04	0.0	316.2	-2.09	-0.01	0.0	1.46e-05	0.0	-6.51e-03
385	2	3.32e-03	0.0	-0.01	-0.02	0.0	-1.87	0.01	0.0	1.42e-05	0.0	-6.46e-03
		-6.51e-03	0.0	-7.54e-04	0.0	316.2	-1.87	-0.01	0.0	1.42e-05	0.0	-6.51e-03
386	1	3.32e-03	0.0	-0.01	-0.02	0.0	-1.97	0.01	0.0	1.82e-05	0.0	-6.46e-03
		-6.52e-03	0.0	-3.31e-04	0.0	316.2	-1.97	-0.01	0.0	1.82e-05	0.0	-6.52e-03
386	2	3.32e-03	1.05e-06	-0.01	-0.02	0.0	-1.77	0.01	0.0	1.78e-05	1.05e-06	-6.46e-03
		-6.52e-03	0.0	-8.02e-04	0.0	316.2	-1.77	-0.01	0.0	1.78e-05	0.0	-6.52e-03
387	1	3.31e-03	1.09e-06	-0.01	-0.02	0.0	-1.61	0.01	0.0	2.14e-05	1.09e-06	-6.47e-03
		-6.53e-03	0.0	-3.72e-04	0.0	316.2	-1.61	-0.01	0.0	2.14e-05	0.0	-6.53e-03
387	2	3.32e-03	1.53e-06	-0.01	-0.02	0.0	-1.47	0.01	0.0	2.09e-05	1.49e-06	-6.47e-03
		-6.52e-03	1.49e-06	-8.73e-04	0.0	316.2	-1.47	-0.01	0.0	2.09e-05	1.53e-06	-6.52e-03
388	1	3.29e-03	1.94e-06	-0.02	-0.02	0.0	-1.07	0.01	0.0	2.29e-05	1.20e-06	-6.48e-03
		-6.56e-03	1.20e-06	-4.35e-04	0.0	316.2	-1.07	-0.01	0.0	2.29e-05	1.94e-06	-6.56e-03
388	2	3.30e-03	2.11e-06	-0.02	-0.02	0.0	-1.08	0.01	0.0	2.22e-05	2.11e-06	-6.47e-03
		-6.56e-03	2.02e-06	-9.75e-04	0.0	316.2	-1.08	-0.01	0.0	2.22e-05	2.02e-06	-6.56e-03
389	1	3.23e-03	2.66e-06	-0.02	-0.02	0.0	-0.63	0.01	-1.67e-06	-1.92e-05	2.66e-06	-6.52e-03
		-6.64e-03	-2.62e-06	-5.09e-04	0.0	316.2	-0.63	-0.01	-1.67e-06	-1.92e-05	-2.62e-06	-6.64e-03
389	2	3.23e-03	2.70e-06	-0.02	-0.02	0.0	-1.00	0.01	-1.37e-06	-2.22e-05	2.70e-06	-6.52e-03
		-6.64e-03	-1.63e-06	-1.07e-03	0.0	316.2	-1.00	-0.01	-1.37e-06	-2.22e-05	-1.63e-06	-6.64e-03
390	1	3.31e-03	0.0	-0.02	-0.02	0.0	-1.84	0.01	0.0	2.36e-05	-2.63e-06	-6.53e-03
		-6.53e-03	-2.63e-06	-4.58e-04	0.0	316.2	-1.84	-0.01	0.0	2.36e-05	0.0	-6.47e-03
390	2	3.31e-03	0.0	-0.02	-0.02	0.0	-1.41	0.01	0.0	2.15e-05	-2.07e-06	-6.53e-03
		-6.53e-03	-2.07e-06	-8.62e-04	0.0	316.2	-1.41	-0.01	0.0	2.15e-05	0.0	-6.47e-03
391	1	3.32e-03	0.0	-0.01	-0.02	0.0	-2.50	0.01	0.0	2.17e-05	0.0	-6.52e-03
		-6.52e-03	0.0	-4.48e-04	0.0	316.2	-2.50	-0.01	0.0	2.17e-05	0.0	-6.46e-03
391	2	3.32e-03	0.0	-0.01	-0.02	0.0	-1.83	0.01	0.0	1.95e-05	0.0	-6.52e-03
		-6.52e-03	0.0	-8.46e-04	0.0	316.2	-1.83	-0.01	0.0	1.95e-05	0.0	-6.47e-03
392	1	3.33e-03	0.0	-0.01	-0.02	0.0	-2.84	0.01	0.0	1.85e-05	0.0	-6.51e-03
		-6.51e-03	0.0	-4.59e-04	0.0	316.2	-2.84	-0.01	0.0	1.85e-05	0.0	-6.46e-03
392	2	3.32e-03	0.0	-0.01	-0.02	0.0	-1.94	0.01	0.0	1.65e-05	0.0	-6.51e-03
		-6.51e-03	0.0	-8.41e-04	0.0	316.2	-1.94	-0.01	0.0	1.65e-05	0.0	-6.46e-03
393	1	3.33e-03	0.0	-0.01	-0.02	0.0	-2.88	0.01	0.0	1.44e-05	0.0	-6.51e-03
		-6.51e-03	0.0	-4.88e-04	0.0	316.2	-2.88	-0.01	0.0	1.44e-05	0.0	-6.46e-03
393	2	3.32e-03	0.0	-0.01	-0.02	0.0	-1.76	0.01	0.0	1.27e-05	0.0	-6.51e-03
		-6.51e-03	0.0	-8.43e-04	0.0	316.2	-1.76	-0.01	0.0	1.27e-05	0.0	-6.47e-03
394	1	3.32e-03	0.0	-0.01	-0.02	0.0	-2.65	0.01	0.0	9.01e-06	0.0	-6.51e-03

		-6.51e-03	0.0	-5.29e-04	0.0	316.2	-2.65	-0.01	0.0	9.01e-06	0.0	-6.47e-03
394	2	3.32e-03	0.0	-0.01	-0.02	0.0	-1.31	0.01	0.0	7.78e-06	0.0	-6.51e-03
		-6.51e-03	0.0	-8.43e-04	0.0	316.2	-1.31	-0.01	0.0	7.78e-06	0.0	-6.47e-03
395	1	3.32e-03	1.02e-06	-0.01	-0.02	0.0	-2.18	0.01	0.0	0.0	1.02e-06	-6.51e-03
		-6.51e-03	0.0	-5.76e-04	0.0	316.2	-2.18	-0.01	0.0	0.0	0.0	-6.47e-03
395	2	3.31e-03	0.0	-0.01	-0.02	0.0	-0.63	0.01	0.0	0.0	0.0	-6.52e-03
		-6.52e-03	0.0	-8.30e-04	0.0	316.2	-0.63	-0.01	0.0	0.0	0.0	-6.48e-03
396	1	3.31e-03	0.0	-0.02	-0.02	0.0	-1.54	0.01	0.0	-1.36e-05	0.0	-6.52e-03
		-6.52e-03	0.0	-6.16e-04	0.0	316.2	-1.54	-0.01	0.0	-1.36e-05	0.0	-6.48e-03
396	2	3.31e-03	0.0	-0.02	-0.02	0.0	0.19	0.01	0.0	-1.29e-05	0.0	-6.52e-03
		-6.52e-03	-1.33e-06	-7.92e-04	0.0	316.2	0.19	-0.01	0.0	-1.29e-05	-1.33e-06	-6.49e-03
397	1	3.28e-03	1.28e-06	-0.02	-0.02	0.0	-0.92	0.01	0.0	-2.40e-05	0.0	-6.50e-03
		-6.56e-03	0.0	6.49e-04	0.0	316.2	-0.92	-0.01	0.0	-2.40e-05	1.28e-06	-6.56e-03
397	2	3.28e-03	-1.38e-06	-0.02	-0.02	0.0	0.96	0.01	0.0	-2.34e-05	-1.38e-06	-6.51e-03
		-6.56e-03	-2.39e-06	-7.12e-04	0.0	316.2	0.96	-0.01	0.0	-2.34e-05	-2.39e-06	-6.56e-03
398	1	2.98e-03	1.21e-06	-0.01	-0.02	0.0	-0.89	0.01	0.0	-2.84e-05	1.21e-06	-6.65e-03
		-7.01e-03	-1.92e-06	6.81e-04	0.0	316.2	-0.89	-0.01	0.0	-2.84e-05	-1.92e-06	-7.01e-03
398	2	3.02e-03	-2.66e-06	-0.01	-0.02	0.0	0.94	0.01	0.0	-1.43e-05	-2.66e-06	-6.62e-03
		-6.96e-03	-2.83e-06	-5.75e-04	0.0	316.2	0.94	-0.01	0.0	-1.43e-05	-2.83e-06	-6.96e-03
399	1	5.10e-04	2.48e-06	-2.73e-03	-0.01	0.0	-0.24	4.95e-03	-4.00e-06	-5.29e-05	2.48e-06	-1.05e-03
		-1.46e-03	-2.89e-06	-2.09e-04	0.0	134.0	-0.24	-5.57e-03	-4.00e-06	-5.29e-05	-2.89e-06	-1.46e-03
399	2	5.33e-04	7.66e-06	-2.93e-03	-0.01	0.0	-1.00	4.90e-03	-1.21e-05	-2.67e-05	7.66e-06	-9.94e-04
		-1.47e-03	-8.51e-06	-4.63e-04	0.0	134.0	-1.00	-5.61e-03	-1.21e-05	-2.67e-05	-8.51e-06	-1.47e-03
400	1	5.74e-04	2.69e-06	-3.21e-03	-0.01	0.0	-0.99	5.67e-03	-4.15e-06	1.97e-05	2.69e-06	-1.47e-03
		-1.47e-03	-2.86e-06	2.82e-04	0.0	134.0	-0.99	-4.85e-03	-4.15e-06	1.97e-05	-2.86e-06	-9.20e-04
400	2	5.47e-04	0.0	-2.75e-03	-0.01	0.0	0.14	5.59e-03	1.86e-06	-9.42e-06	-1.53e-06	-1.44e-03
		-1.44e-03	-1.53e-06	-2.07e-04	0.0	134.0	0.14	-4.93e-03	1.86e-06	-9.42e-06	0.0	-9.94e-04
401	1	2.70e-03	1.48e-06	-9.80e-03	-0.02	0.0	0.09	0.01	0.0	3.43e-06	1.48e-06	-6.42e-03
		-6.42e-03	0.0	-4.86e-04	0.0	301.2	0.09	-0.01	0.0	3.43e-06	0.0	-5.99e-03
401	2	2.68e-03	0.0	-9.57e-03	-0.02	0.0	-1.42	0.01	-1.72e-06	-8.56e-06	0.0	-6.42e-03
		-6.42e-03	-5.17e-06	-9.60e-04	0.0	301.2	-1.42	-0.01	-1.72e-06	-8.56e-06	-5.17e-06	-6.01e-03
402	1	2.93e-03	2.15e-06	-0.01	-0.02	0.0	-1.40	0.01	-1.39e-06	-2.61e-05	2.15e-06	-6.04e-03
		-6.04e-03	-2.05e-06	6.42e-04	0.0	301.2	-1.40	-0.01	-1.39e-06	-2.61e-05	-2.05e-06	-5.91e-03
402	2	2.93e-03	2.57e-06	-0.01	-0.02	0.0	-0.42	0.01	-1.63e-06	-2.06e-05	2.57e-06	-6.03e-03
		-6.03e-03	-2.34e-06	-4.90e-04	0.0	301.2	-0.42	-0.01	-1.63e-06	-2.06e-05	-2.34e-06	-5.91e-03
403	1	2.98e-03	0.0	-0.01	-0.02	0.0	-0.11	0.01	0.0	-2.63e-05	0.0	-5.95e-03
		-5.95e-03	0.0	-5.18e-04	0.0	301.2	-0.11	-0.01	0.0	-2.63e-05	0.0	-5.89e-03
403	2	2.98e-03	-1.11e-06	-0.01	-0.02	0.0	-1.70	0.01	1.28e-06	-2.53e-05	-4.97e-06	-5.96e-03
		-5.96e-03	-4.97e-06	-7.75e-04	0.0	301.2	-1.70	-0.01	1.28e-06	-2.53e-05	-1.11e-06	-5.89e-03
404	1	2.99e-03	0.0	-0.01	-0.02	0.0	-1.78	0.01	0.0	2.11e-05	-1.15e-06	-5.95e-03
		-5.95e-03	-1.15e-06	5.97e-04	0.0	301.2	-1.78	-0.01	0.0	2.11e-05	0.0	-5.86e-03
404	2	2.99e-03	0.0	-0.01	-0.02	0.0	-1.10	0.01	0.0	2.05e-05	-1.49e-06	-5.95e-03
		-5.95e-03	-1.49e-06	-4.42e-04	0.0	301.2	-1.10	-0.01	0.0	2.05e-05	0.0	-5.87e-03
405	1	3.01e-03	0.0	-0.01	-0.02	0.0	-0.74	0.01	0.0	-1.34e-05	0.0	-5.87e-03
		-5.91e-03	0.0	-5.33e-04	0.0	301.2	-0.74	-0.01	0.0	-1.34e-05	0.0	-5.91e-03
405	2	3.01e-03	0.0	-0.01	-0.02	0.0	-2.10	0.01	0.0	-1.37e-05	0.0	-5.87e-03
		-5.90e-03	-1.43e-06	-6.84e-04	0.0	301.2	-2.10	-0.01	0.0	-1.37e-05	-1.43e-06	-5.90e-03
406	1	3.02e-03	0.0	-0.01	-0.02	0.0	-2.19	0.01	0.0	2.18e-05	0.0	-5.92e-03
		-5.92e-03	0.0	5.61e-04	0.0	301.2	-2.19	-0.01	0.0	2.18e-05	0.0	-5.86e-03
406	2	3.01e-03	0.0	-0.01	-0.02	0.0	-1.67	0.01	0.0	2.07e-05	0.0	-5.92e-03
		-5.92e-03	0.0	-4.20e-04	0.0	301.2	-1.67	-0.01	0.0	2.07e-05	0.0	-5.86e-03
407	1	3.02e-03	0.0	-0.01	-0.02	0.0	-1.37	0.01	0.0	1.77e-06	0.0	-5.86e-03
		-5.91e-03	0.0	-5.40e-04	0.0	301.2	-1.37	-0.01	0.0	1.77e-06	0.0	-5.91e-03
407	2	3.02e-03	-1.08e-06	-0.01	-0.02	0.0	-2.51	0.01	0.0	1.65e-06	-1.08e-06	-5.86e-03
		-5.91e-03	-1.14e-06	-6.22e-04	0.0	301.2	-2.51	-0.01	0.0	1.65e-06	-1.14e-06	-5.91e-03
408	1	3.02e-03	0.0	-0.01	-0.02	0.0	-2.43	0.01	0.0	1.88e-05	0.0	-5.91e-03
		-5.91e-03	0.0	5.41e-04	0.0	301.2	-2.43	-0.01	0.0	1.88e-05	0.0	-5.85e-03
408	2	3.02e-03	0.0	-0.01	-0.02	0.0	-2.00	0.01	0.0	1.79e-05	0.0	-5.91e-03
		-5.91e-03	0.0	-4.08e-04	0.0	301.2	-2.00	-0.01	0.0	1.79e-05	0.0	-5.86e-03
409	1	3.02e-03	0.0	-0.01	-0.02	0.0	-1.84	0.01	0.0	9.82e-06	0.0	-5.86e-03
		-5.91e-03	0.0	-5.39e-04	0.0	301.2	-1.84	-0.01	0.0	9.82e-06	0.0	-5.91e-03
409	2	3.02e-03	0.0	-0.01	-0.02	0.0	-2.79	0.01	0.0	1.02e-05	0.0	-5.86e-03
		-5.90e-03	0.0	-5.74e-04	0.0	301.2	-2.79	-0.01	0.0	1.02e-05	0.0	-5.90e-03
410	1	3.02e-03	0.0	-9.88e-03	-0.02	0.0	-2.44	0.01	0.0	1.52e-05	0.0	-5.90e-03
		-5.90e-03	0.0	5.35e-04	0.0	301.2	-2.44	-0.01	0.0	1.52e-05	0.0	-5.86e-03
410	2	3.02e-03	0.0	-9.99e-03	-0.02	0.0	-2.09	0.01	0.0	1.44e-05	0.0	-5.91e-03
		-5.91e-03	0.0	-4.04e-04	0.0	301.2	-2.09	-0.01	0.0	1.44e-05	0.0	-5.86e-03
411	1	3.02e-03	0.0	-9.87e-03	-0.02	0.0	-2.10	0.01	0.0	1.46e-05	0.0	-5.86e-03
		-5.90e-03	0.0	-5.39e-04	0.0	301.2	-2.10	-0.01	0.0	1.46e-05	0.0	-5.90e-03
411	2	3.02e-03	0.0	-9.99e-03	-0.02	0.0	-2.88	0.01	0.0	1.54e-05	0.0	-5.85e-03
		-5.90e-03	0.0	-5.43e-04	0.0	301.2	-2.88	-0.01	0.0	1.54e-05	0.0	-5.90e-03
412	1	3.02e-03	0.0	-0.01	-0.02	0.0	-2.22	0.01	0.0	1.13e-05	0.0	-5.91e-03

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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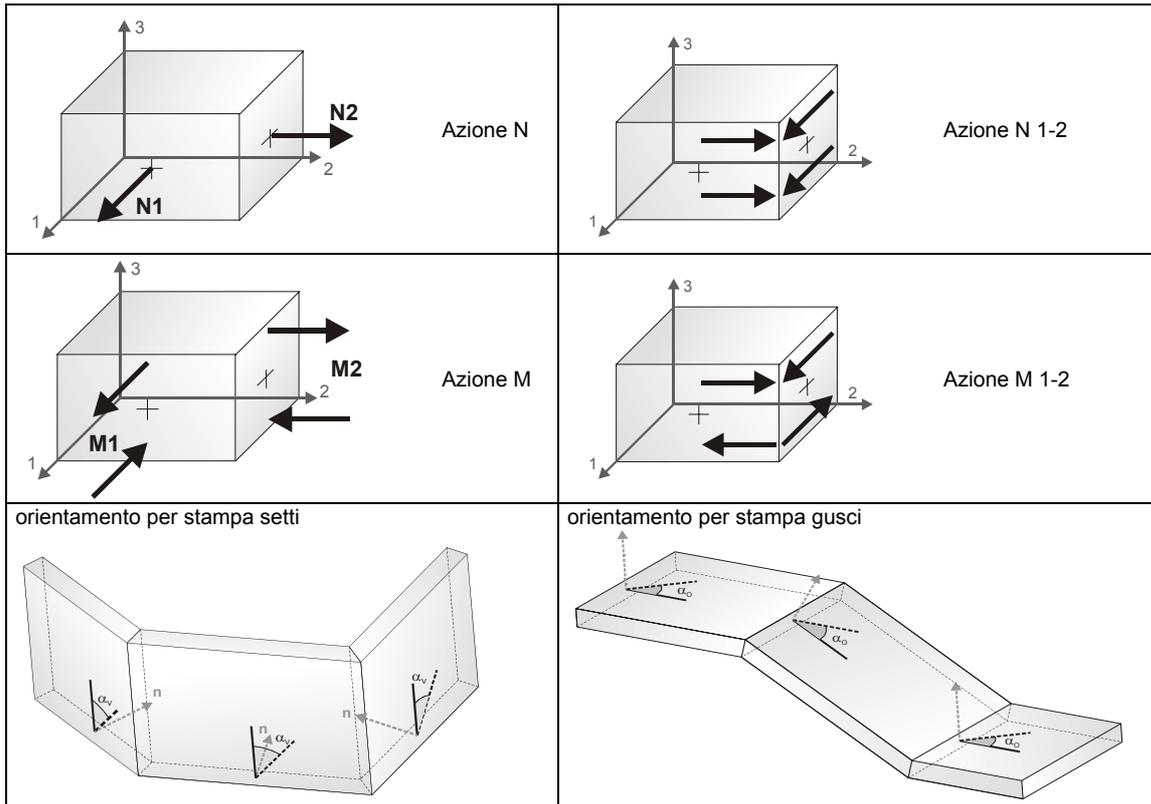
412	2	-5.91e-03	0.0	5.38e-04	0.0	301.2	-2.22	-0.01	0.0	1.13e-05	0.0	-5.86e-03
		3.02e-03	0.0	-0.01	-0.02	0.0	-1.95	0.01	0.0	1.05e-05	0.0	-5.91e-03
		-5.91e-03	0.0	-4.09e-04	0.0	301.2	-1.95	-0.01	0.0	1.05e-05	0.0	-5.86e-03
413	1	3.02e-03	0.0	-0.01	-0.02	0.0	-2.10	0.01	0.0	1.80e-05	0.0	-5.86e-03
		-5.91e-03	0.0	-5.49e-04	0.0	301.2	-2.10	-0.01	0.0	1.80e-05	0.0	-5.91e-03
413	2	3.02e-03	0.0	-0.01	-0.02	0.0	-2.73	0.01	0.0	1.93e-05	0.0	-5.85e-03
		-5.91e-03	0.0	-5.27e-04	0.0	301.2	-2.73	-0.01	0.0	1.93e-05	0.0	-5.91e-03
414	1	3.01e-03	0.0	-0.01	-0.02	0.0	-1.75	0.01	0.0	7.61e-06	0.0	-5.91e-03
		-5.91e-03	0.0	5.43e-04	0.0	301.2	-1.75	-0.01	0.0	7.61e-06	0.0	-5.87e-03
414	2	3.01e-03	0.0	-0.01	-0.02	0.0	-1.60	0.01	0.0	6.77e-06	0.0	-5.91e-03
		-5.91e-03	0.0	-4.18e-04	0.0	301.2	-1.60	-0.01	0.0	6.77e-06	0.0	-5.87e-03
415	1	3.02e-03	1.04e-06	-0.01	-0.02	0.0	-1.85	0.01	0.0	2.06e-05	1.04e-06	-5.86e-03
		-5.91e-03	0.0	5.77e-04	0.0	301.2	-1.85	-0.01	0.0	2.06e-05	0.0	-5.89e-03
415	2	3.02e-03	0.0	-0.01	-0.02	0.0	-2.33	0.01	0.0	2.21e-05	0.0	-5.86e-03
		-5.91e-03	0.0	-5.33e-04	0.0	301.2	-2.33	-0.01	0.0	2.21e-05	0.0	-5.91e-03
416	1	3.00e-03	0.0	-0.01	-0.02	0.0	-1.05	0.01	0.0	6.46e-06	0.0	-5.92e-03
		-5.92e-03	0.0	5.35e-04	0.0	301.2	-1.05	-0.01	0.0	6.46e-06	0.0	-5.89e-03
416	2	2.99e-03	2.80e-06	-0.01	-0.02	0.0	-1.05	0.01	1.14e-06	5.81e-06	0.0	-5.92e-03
		-5.92e-03	0.0	-4.22e-04	0.0	301.2	-1.05	-0.01	1.14e-06	5.81e-06	2.80e-06	-5.89e-03
417	1	3.01e-03	3.07e-06	-0.01	-0.02	0.0	-1.34	0.01	0.0	2.21e-05	0.0	-5.87e-03
		-5.93e-03	0.0	6.27e-04	0.0	301.2	-1.34	-0.01	0.0	2.21e-05	3.07e-06	-5.93e-03
417	2	3.01e-03	3.21e-06	-0.01	-0.02	0.0	-1.66	0.01	0.0	2.35e-05	0.0	-5.86e-03
		-5.93e-03	0.0	-5.66e-04	0.0	301.2	-1.66	-0.01	0.0	2.35e-05	3.21e-06	-5.93e-03
418	1	2.97e-03	1.22e-06	-0.01	-0.02	0.0	-0.11	0.01	-3.13e-06	1.33e-05	1.22e-06	-5.95e-03
		-5.95e-03	-8.20e-06	4.98e-04	0.0	301.2	-0.11	-0.01	-3.13e-06	1.33e-05	-8.20e-06	-5.91e-03
418	2	2.97e-03	3.08e-06	-0.01	-0.02	0.0	-0.21	0.01	-4.05e-06	1.28e-05	3.08e-06	-5.95e-03
		-5.95e-03	-9.13e-06	-4.40e-04	0.0	301.2	-0.21	-0.01	-4.05e-06	1.28e-05	-9.13e-06	-5.91e-03
419	1	2.99e-03	3.94e-06	-0.01	-0.02	0.0	-0.73	0.01	-1.48e-06	1.77e-05	3.94e-06	-5.88e-03
		-5.94e-03	0.0	7.50e-04	0.0	301.2	-0.73	-0.01	-1.48e-06	1.77e-05	0.0	-5.94e-03
419	2	2.99e-03	4.17e-06	-0.01	-0.02	0.0	-0.87	0.01	-1.58e-06	1.86e-05	4.17e-06	-5.88e-03
		-5.95e-03	0.0	-6.92e-04	0.0	301.2	-0.87	-0.01	-1.58e-06	1.86e-05	0.0	-5.95e-03
420	1	2.95e-03	0.0	-0.01	-0.02	0.0	0.30	0.01	2.96e-06	4.65e-06	-8.47e-06	-6.02e-03
		-6.02e-03	-8.47e-06	2.25e-04	0.0	301.2	0.30	-0.01	2.96e-06	4.65e-06	0.0	-5.87e-03
420	2	2.95e-03	0.0	-0.01	-0.02	0.0	0.32	0.01	3.27e-06	4.37e-06	-9.37e-06	-6.02e-03
		-6.02e-03	-9.37e-06	-1.51e-04	0.0	301.2	0.32	-0.01	3.27e-06	4.37e-06	0.0	-5.87e-03
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3		T	
		-1892.84	-386.10	-0.02	-110.96		-888.67	-1049.52	-133.99		-134.85	
		3548.91	414.82	7.86e-04	0.0		4829.37	979.69	45.32		540.21	

15. RISULTATI ELEMENTI TIPO SHELL

15.1 LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate.

Per ogni elemento, e per ogni combinazione(o caso di carico) vengono riportati i risultati più significativi.



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises	(valore riassuntivo del complessivo stato di sollecitazione)	
N max	sforzo membranale principale massimo	
N min	sforzo membranale principale minimo	
M max	sforzo flessionale principale massimo	
M min	sforzo flessionale principale minimo	
N1	N2	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)
N1-2	M1	
M2	M1-2	

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi.

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_o attorno all'asse Z per i gusci e ruotata di α_v attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se α_v è zero, l'asse '1-1 rappresenta la verticale e l'asse '2-2 l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento

T Azione torsionale complessiva agente nel piano orizzontale

Elem.	Cmb	Nodo	Von Mises	N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			kN/ m ²	kN/ m	kN/ m	kN/ m	kN/ m	kN/ m	kN	kN	kN	kN	kN
1	1	966	2282.69	28.17	-143.80	-122.52	6.90	56.62	-6.64	-23.27	-11.57	-18.33	-7.60
		18	1375.10	35.07	-130.74	-115.96	20.30	47.24	7.99	-5.00	6.32	-3.32	4.36
		178	2387.89	38.91	-99.63	-81.02	20.30	47.24	24.50	6.28	11.71	19.06	8.34
		984	1224.21	33.40	-114.09	-87.59	6.90	56.62	5.20	-7.32	-6.17	4.05	-3.61
1	2	966	3296.29	224.62	-296.86	155.75	-227.99	-176.55	-5.53	-20.45	-9.89	-16.09	-6.78
		18	2158.22	207.71	-304.75	147.60	-244.64	-164.90	7.09	-4.38	5.76	-3.05	3.68
		178	3254.51	177.40	-309.07	112.97	-244.64	-164.90	20.77	5.61	10.41	15.97	7.05
		984	2001.84	194.84	-301.71	121.12	-227.99	-176.55	4.16	-6.47	-5.24	2.93	-3.40
2	1	965	3105.08	32.83	-459.43	-459.04	32.43	13.95	-7.13	-25.94	-14.10	-18.96	-9.09
		966	2470.50	48.50	-451.19	-451.17	48.49	2.72	2.59	-5.73	2.27	-5.41	1.61
		984	2537.89	48.50	-427.91	-427.89	48.49	2.72	17.88	4.36	6.88	15.36	5.26
		983	2931.20	32.85	-436.17	-435.75	32.43	13.95	3.98	-11.69	-9.50	1.80	-5.43
2	2	965	3744.76	15.96	-410.90	-231.81	-163.13	-210.65	-6.66	-25.14	-13.34	-18.46	-8.88
		966	2038.95	30.98	-410.77	-226.83	-152.97	-217.77	2.53	-5.63	2.32	-5.42	1.30
		984	2940.68	30.55	-411.38	-227.86	-152.97	-217.77	16.61	4.21	6.64	14.19	4.92
		983	2829.49	15.53	-411.50	-232.84	-163.13	-210.65	3.38	-11.26	-9.03	1.15	-5.27
3	1	964	4078.41	64.23	-722.12	-722.09	64.20	4.90	-6.10	-24.48	-14.44	-16.14	-9.15
		965	3173.83	88.39	-710.51	-710.33	88.21	-11.91	-2.21	-6.78	-2.70	-6.29	-1.42
		983	3426.93	88.40	-688.03	-687.85	88.21	-11.91	8.73	0.48	0.69	8.52	1.30
		982	4059.54	64.23	-699.64	-699.61	64.20	4.90	1.87	-14.25	-11.05	-1.33	-6.43
3	2	964	4334.09	13.48	-634.89	-508.88	-112.53	-256.56	-5.75	-23.18	-13.57	-15.36	-8.67
		965	2836.34	3.26	-635.14	-512.32	-119.56	-251.64	-2.16	-7.01	-2.75	-6.42	-1.59
		983	2703.67	1.45	-642.85	-521.84	-119.56	-251.64	7.24	0.21	0.30	7.15	0.79
		982	3994.53	11.65	-642.58	-518.39	-112.53	-256.56	1.51	-13.82	-10.52	-1.79	-6.30
4	1	963	4761.91	84.73	-900.21	-900.16	84.68	6.77	-4.77	-22.13	-13.93	-12.97	-8.67
		964	4151.50	107.29	-889.21	-889.13	107.21	-8.99	-2.91	-10.59	-6.70	-6.81	-3.84
		982	4292.09	107.29	-869.45	-869.37	107.21	-8.99	2.90	-5.11	-4.51	2.29	-2.12
		981	4763.36	84.73	-880.45	-880.40	84.68	6.77	0.18	-15.79	-11.74	-3.87	-6.95
4	2	963	4883.01	38.94	-811.09	-712.04	-60.11	-272.73	-4.55	-21.17	-13.30	-12.42	-8.29
		964	4029.00	39.69	-811.03	-711.78	-59.57	-273.11	-2.81	-10.60	-6.57	-6.84	-3.89
		982	4021.86	38.11	-823.24	-725.57	-59.57	-273.11	2.33	-5.50	-4.69	1.52	-2.39
		981	4793.91	37.36	-823.30	-725.84	-60.11	-272.73	-0.02	-15.46	-11.41	-4.06	-6.79
5	1	962	5070.76	92.82	-993.57	-993.30	92.55	17.08	-3.31	-19.10	-12.69	-9.72	-7.76
		963	4824.54	112.37	-983.62	-983.61	112.36	3.22	-2.47	-13.87	-9.45	-6.89	-5.55
		981	4831.81	112.37	-968.07	-968.06	112.36	3.22	-0.11	-11.10	-8.40	-2.81	-4.73
		980	5051.08	92.82	-978.03	-977.76	92.55	17.08	-1.09	-16.19	-11.63	-5.65	-6.93
5	2	962	5121.50	60.66	-910.88	-831.53	-18.70	-266.08	-3.15	-18.19	-12.16	-9.18	-7.37
		963	4796.64	70.36	-909.82	-827.99	-11.47	-271.13	-2.40	-13.67	-9.27	-6.81	-5.50
		981	4839.26	69.04	-924.50	-843.98	-11.47	-271.13	-0.35	-11.40	-8.50	-3.25	-4.86
		980	5148.09	59.37	-925.58	-847.52	-18.70	-266.08	-1.18	-15.83	-11.39	-5.62	-6.73
6	1	961	4969.49	91.15	-1001.22	-1000.17	90.11	33.77	-1.58	-14.87	-10.48	-5.97	-6.25
		962	5032.90	105.22	-993.52	-993.02	104.72	23.54	-1.74	-15.78	-11.12	-6.40	-6.61
		980	4978.38	105.23	-985.70	-985.20	104.72	23.54	-2.19	-16.17	-11.20	-7.17	-6.69
		979	4914.63	91.16	-993.40	-992.35	90.11	33.77	-2.03	-15.26	-10.56	-6.74	-6.33
6	2	961	4960.73	72.43	-925.59	-864.33	11.17	-239.54	-1.43	-14.02	-10.05	-5.40	-5.85
		962	5086.91	87.75	-923.45	-858.59	22.90	-247.75	-1.67	-15.43	-10.91	-6.19	-6.46
		980	5159.05	86.60	-940.54	-876.83	22.90	-247.75	-2.30	-16.25	-11.24	-7.31	-6.69
		979	5032.54	71.33	-942.73	-882.57	11.17	-239.54	-2.07	-14.82	-10.38	-6.52	-6.08
7	1	960	4478.76	79.34	-926.50	-923.28	76.12	56.82	0.67	-9.31	-7.20	-1.44	-4.08
		961	4803.11	88.80	-920.71	-918.26	86.36	49.66	-0.74	-16.32	-11.82	-5.24	-7.06
		979	4728.38	88.80	-922.81	-920.37	86.36	49.66	-3.86	-20.17	-13.05	-10.97	-8.09
		978	4355.51	79.33	-928.60	-925.38	76.12	56.82	-2.66	-12.95	-8.43	-7.18	-5.11
7	2	960	4388.01	73.41	-853.96	-810.59	30.04	-195.82	0.79	-8.71	-6.92	-1.00	-3.71
		961	4900.98	91.45	-850.94	-803.67	44.17	-205.71	-0.67	-15.81	-11.53	-4.95	-6.81
		979	4999.09	90.43	-870.60	-824.34	44.17	-205.71	-3.86	-19.83	-12.96	-10.73	-7.91
		978	4446.77	72.46	-873.69	-831.27	30.04	-195.82	-2.69	-12.44	-8.35	-6.78	-4.81
8	1	959	3651.48	48.49	-775.14	-764.84	38.20	91.50	4.06	-3.14	-2.91	3.83	-1.26
		960	4124.86	61.33	-765.43	-757.43	53.34	80.91	0.53	-15.48	-11.55	-3.39	-6.89
		978	4080.66	61.20	-778.84	-770.97	53.34	80.91	-5.13	-22.95	-13.94	-14.15	-8.91
		977	3396.64	48.33	-788.51	-778.39	38.20	91.50	-2.73	-9.49	-5.30	-6.92	-3.28
8	2	959	3444.14	66.71	-695.39	-669.88	41.21	-137.08	4.11	-2.98	-2.83	3.96	-0.99
		960	4241.68	83.58	-692.00	-663.22	54.81	-146.59	0.56	-14.80	-11.13	-3.10	-6.55
		978	4380.22	82.71	-715.24	-687.33	54.81	-146.59	-5.06	-22.07	-13.66	-13.47	-8.50
		977	3409.68	65.93	-718.72	-693.99	41.21	-137.08	-2.89	-8.88	-5.36	-6.40	-2.95
9	1	958	2742.32	14.85	-555.34	-516.22	-24.27	144.14	10.11	1.49	2.05	9.56	2.12

		959	2949.51	30.12	-534.74	-504.43	-0.19	127.29	1.84	-13.16	-10.22	-1.10	-5.95
		977	3193.44	28.33	-568.29	-539.77	-0.19	127.29	-5.62	-24.18	-13.73	-16.07	-9.20
		976	2594.40	12.56	-588.39	-551.56	-24.27	144.14	-1.16	-5.72	-1.46	-5.42	-1.13
9	2	958	2300.10	54.41	-453.69	-445.05	45.76	-65.71	9.06	1.14	1.64	8.56	1.92
		959	3094.73	67.36	-450.29	-439.67	56.74	-73.39	1.79	-12.27	-9.50	-0.98	-5.59
		977	3292.72	66.90	-473.33	-463.17	56.74	-73.39	-5.58	-22.11	-12.96	-14.72	-8.22
		976	2150.20	54.02	-476.81	-468.55	45.76	-65.71	-1.68	-5.32	-1.82	-5.18	-0.70
10	1	17	2706.73	70.37	-575.35	-211.10	-293.87	320.20	9.30	2.36	3.65	8.01	2.70
		958	1980.70	76.51	-295.63	-117.14	-101.98	185.92	2.32	-7.04	-4.98	0.27	-3.87
		976	2294.51	41.06	-343.63	-200.60	-101.98	185.92	-3.82	-15.19	-8.76	-10.25	-5.64
		171	2715.18	25.98	-614.41	-294.56	-293.87	320.20	0.20	-2.83	-0.13	-2.51	0.93
10	2	17	1328.25	51.64	-136.22	-134.69	50.11	16.89	10.81	2.37	4.25	8.93	3.51
		958	1291.89	54.91	-133.96	-132.88	53.82	14.29	1.84	-7.28	-5.54	0.11	-3.58
		976	1586.90	54.85	-144.34	-143.31	53.82	14.29	-4.11	-16.17	-9.21	-11.07	-5.95
		171	921.34	51.56	-146.58	-145.13	50.11	16.89	0.98	-2.65	0.58	-2.25	1.13
11	1	243	2263.39	255.60	-70.29	158.22	27.10	-149.17	10.06	-4.12	0.94	5.00	-6.79
		329	2135.77	41.34	-216.22	39.77	-214.65	20.05	20.02	8.99	15.73	13.28	-5.38
		4	3509.40	-200.06	-242.19	-227.60	-214.65	20.05	33.15	9.80	9.81	33.14	-0.42
		903	3337.72	122.97	-205.02	-109.14	27.09	-149.17	24.98	-5.10	-4.99	24.86	-1.84
11	2	243	2329.89	278.98	-66.28	172.71	39.99	-159.36	10.04	-3.94	0.97	5.13	-6.67
		329	2172.03	46.08	-225.40	43.79	-223.12	24.81	20.02	9.08	15.79	13.32	-5.33
		4	3544.81	-207.55	-262.66	-247.10	-223.12	24.81	33.23	9.75	9.76	33.22	-0.41
		903	3448.77	138.81	-217.00	-118.18	39.99	-159.36	25.14	-5.16	-5.06	25.04	-1.75
12	1	240	2238.87	100.58	-178.45	-58.53	-19.35	-138.14	9.82	-7.47	-5.61	7.96	-5.36
		243	2418.60	212.56	-177.58	-21.41	56.39	-191.15	16.67	4.29	5.07	15.90	-3.00
		903	3797.17	122.06	-500.07	-434.40	56.39	-191.15	24.78	1.75	1.83	24.69	1.42
		902	3905.47	19.51	-510.37	-471.51	-19.35	-138.14	16.80	-8.87	-8.84	16.76	-0.94
12	2	240	2149.54	56.59	-182.94	-102.51	-23.83	-113.12	9.76	-7.08	-5.28	7.96	-5.21
		243	2499.24	218.11	-182.93	-49.39	84.58	-189.00	16.84	4.71	5.43	16.12	-2.88
		903	3706.03	152.42	-441.97	-374.13	84.58	-189.00	25.16	2.04	2.18	25.03	1.76
		902	3652.44	5.72	-456.80	-427.25	-23.83	-113.12	16.88	-8.55	-8.53	16.87	-0.57
13	1	237	3157.28	12.97	-429.89	-403.59	-13.32	-104.66	7.40	-10.28	-9.33	6.45	-3.99
		240	2886.10	104.65	-419.10	-369.90	55.45	-152.80	11.31	-2.24	-2.10	11.17	-1.36
		902	4631.76	86.52	-696.04	-664.97	55.45	-152.80	21.60	-2.63	-2.63	21.60	0.28
		901	4853.08	2.30	-714.29	-698.66	-13.32	-104.66	17.08	-10.06	-9.86	16.88	-2.34
13	2	237	3038.49	6.09	-417.92	-400.99	-10.84	-83.01	7.33	-9.77	-8.91	6.47	-3.73
		240	2743.66	78.57	-406.57	-373.42	45.42	-122.40	11.32	-1.90	-1.81	11.22	-1.10
		902	4241.27	68.27	-610.20	-587.35	45.42	-122.40	21.58	-2.26	-2.24	21.57	0.59
		901	4454.75	0.36	-626.12	-614.92	-10.84	-83.01	16.98	-9.50	-9.34	16.82	-2.04
14	1	234	4260.71	-0.92	-671.10	-664.43	-7.60	-66.54	7.08	-12.85	-11.72	5.94	-4.62
		237	3982.06	70.70	-651.38	-634.39	53.70	-109.45	9.88	-6.43	-6.17	9.62	-2.03
		901	5490.71	66.78	-862.54	-849.46	53.70	-109.45	21.21	-5.52	-5.48	21.16	-1.13
		900	5688.86	-2.55	-884.55	-879.50	-7.60	-66.54	17.96	-11.50	-11.02	17.48	-3.72
14	2	234	3938.61	-1.66	-608.80	-604.82	-5.64	-48.99	6.97	-12.19	-11.15	5.93	-4.35
		237	3660.38	57.76	-590.80	-579.36	46.32	-85.37	9.76	-5.95	-5.76	9.56	-1.75
		901	5010.09	55.40	-756.41	-747.33	46.32	-85.37	21.14	-4.98	-4.95	21.11	-0.88
		900	5198.27	-2.52	-775.91	-772.79	-5.64	-48.99	17.90	-10.77	-10.35	17.48	-3.47
15	1	231	5021.81	-0.13	-835.61	-834.70	-1.04	-27.63	7.50	-14.59	-12.97	5.88	-5.76
		234	4772.34	51.89	-815.32	-810.92	47.49	-61.60	9.90	-8.86	-8.24	9.28	-3.34
		900	6068.05	51.20	-975.13	-971.42	47.49	-61.60	21.56	-7.33	-7.12	21.35	-2.48
		899	6241.43	-0.27	-995.96	-995.20	-1.04	-27.63	18.73	-12.63	-11.85	17.94	-4.90
15	2	231	4533.41	0.91	-734.03	-733.83	0.71	-12.18	7.42	-13.79	-12.25	5.87	-5.50
		234	4291.62	44.58	-715.69	-713.43	42.32	-41.31	9.79	-8.19	-7.65	9.24	-3.08
		900	5488.08	44.25	-845.02	-843.09	42.32	-41.31	21.52	-6.61	-6.43	21.34	-2.24
		899	5647.18	0.88	-863.66	-863.49	0.71	-12.18	18.71	-11.76	-11.03	17.97	-4.66
16	1	228	5356.25	6.12	-913.92	-913.79	5.99	11.04	8.13	-15.47	-13.25	5.92	-6.88
		231	5144.07	40.65	-897.08	-896.89	40.47	-13.09	10.36	-10.24	-9.13	9.25	-4.67
		899	6295.06	40.63	-1021.15	-1020.99	40.47	-13.09	22.05	-8.23	-7.78	21.60	-3.66
		898	6436.42	6.10	-1038.00	-1037.89	5.99	11.04	19.38	-13.01	-11.91	18.27	-5.87
16	2	228	4729.69	9.33	-781.46	-780.58	8.45	26.42	8.08	-14.49	-12.36	5.94	-6.61
		231	4527.72	37.71	-766.31	-766.26	37.66	5.97	10.29	-9.37	-8.33	9.24	-4.42
		899	5608.68	37.70	-865.25	-865.21	37.66	5.97	22.04	-7.33	-6.93	21.64	-3.41
		898	5732.99	9.24	-880.31	-879.53	8.45	26.42	19.38	-11.99	-10.96	18.34	-5.60
17	1	35	1785.36	882.12	-528.86	880.78	-527.52	-43.43	197.40	-304.87	90.39	-197.86	-205.67
		451	1346.04	882.98	24.11	880.78	26.31	-43.43	215.78	-276.80	-6.47	-54.55	-245.11
		450	847.31	214.51	16.29	204.49	26.31	-43.43	-19.53	-306.56	-72.92	-253.18	-111.68
		449	1566.73	207.05	-530.09	204.49	-527.52	-43.43	36.01	-408.55	23.94	-396.49	-72.24
17	2	35	753.76	562.69	-533.47	559.75	-530.53	-56.76	17.02	-114.50	-64.98	-32.50	-63.73
		451	499.39	566.05	48.91	559.75	55.22	-56.76	5.90	-84.26	-56.40	-21.96	-41.66
		450	247.85	141.43	17.85	104.07	55.22	-56.76	-13.63	-84.66	-37.25	-61.03	-33.46
		449	611.77	109.10	-535.56	104.07	-530.53	-56.76	-1.70	-115.71	-45.83	-71.58	-55.53
18	1	47	1542.43	776.54	-642.60	750.48	-616.55	-190.52	99.95	-241.41	38.98	-180.43	-130.75

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		456	1032.56	798.76	-1.37	750.48	46.91	-190.52	89.59	-193.07	-16.53	-86.95	-136.88
		455	954.65	369.29	-65.68	256.70	46.91	-190.52	-41.88	-329.16	-51.10	-319.94	-50.63
		454	1667.91	296.46	-656.30	256.70	-616.55	-190.52	9.09	-418.10	4.40	-413.42	-44.51
18	2	47	1106.72	456.78	-649.78	435.88	-628.88	-150.63	98.01	-171.49	-2.66	-70.82	-130.37
		456	791.94	488.12	1.58	435.88	53.82	-150.63	97.11	-157.30	-34.07	-26.12	-127.14
		455	620.55	265.51	-53.36	158.34	53.82	-150.63	17.95	-165.48	-40.31	-107.22	-85.40
		454	1045.90	186.17	-656.72	158.34	-628.88	-150.63	33.46	-194.29	-8.91	-151.92	-88.63
19	1	59	1438.00	497.24	-635.79	464.29	-602.84	-190.38	96.82	-259.57	24.40	-187.16	-143.40
		460	918.49	541.14	-7.39	464.29	69.45	-190.38	71.34	-206.20	-40.90	-93.97	-136.21
		459	929.19	312.51	-79.67	163.39	69.45	-190.38	-53.13	-341.41	-61.78	-332.75	-49.20
		458	1670.70	208.08	-647.54	163.39	-602.84	-190.38	10.79	-433.23	3.51	-425.95	-56.39
19	2	59	1096.20	293.30	-642.99	270.12	-619.80	-145.51	106.98	-179.71	8.80	-81.53	-136.04
		460	1098.54	346.92	-5.54	270.12	71.27	-145.51	107.64	-164.40	-20.18	-36.58	-135.77
		459	683.38	231.30	-61.04	98.99	71.27	-145.51	21.39	-196.48	-32.60	-142.50	-94.06
		458	1119.27	127.32	-648.14	98.99	-619.80	-145.51	36.18	-227.24	-3.62	-187.44	-94.33
20	1	71	1602.96	255.60	-681.58	220.40	-646.39	-178.17	144.78	-308.24	81.34	-244.80	-157.21
		464	1098.92	341.64	-41.45	220.40	79.79	-178.17	134.48	-245.40	-0.45	-110.47	-181.80
		463	941.82	263.13	-93.36	89.98	79.79	-178.17	-43.41	-351.55	-54.61	-340.36	-57.66
		462	1802.72	130.83	-687.23	89.98	-646.39	-178.17	29.35	-476.86	27.18	-474.69	-33.06
20	2	71	881.40	156.21	-697.23	133.17	-674.19	-138.33	163.32	-102.76	18.91	41.66	-132.55
		464	651.84	247.97	-33.50	133.17	81.30	-138.33	102.77	-114.53	-39.01	27.25	-103.48
		463	861.74	212.10	-64.99	65.81	81.30	-138.33	10.15	-284.40	-39.09	-235.16	-109.90
		462	1351.58	90.82	-699.20	65.81	-674.19	-138.33	82.51	-284.44	18.82	-220.75	-138.97
21	1	54	5588.57	54.42	-852.47	-848.23	50.18	-61.87	21.44	-7.10	-6.91	21.25	-2.33
		57	5736.33	1.29	-873.43	-872.60	0.45	-27.06	18.86	-12.09	-11.32	18.09	-4.82
		879	4437.30	1.51	-694.37	-693.32	0.45	-27.06	7.18	-14.27	-12.78	5.69	-5.44
		878	4208.81	55.46	-674.24	-668.96	50.18	-61.87	9.35	-8.87	-8.37	8.85	-2.95
21	2	54	6427.32	49.28	-1071.61	-1070.32	47.99	-37.96	21.22	-7.65	-7.43	20.99	-2.55
		57	6592.63	9.65	-1089.27	-1089.16	9.54	-11.04	18.83	-12.41	-11.54	17.96	-5.13
		879	5838.53	9.66	-1041.42	-1041.30	9.54	-11.04	7.13	-14.84	-13.30	5.58	-5.61
		878	5604.49	49.34	-1023.81	-1022.46	47.99	-37.96	9.12	-9.68	-9.18	8.62	-3.03
22	1	257	705.10	198.76	-227.99	-175.23	146.00	-140.47	6.73	-55.48	-0.17	-48.58	19.54
		424	431.53	-19.60	-259.68	-257.46	-21.83	-22.99	-13.47	-56.05	-15.47	-54.05	9.02
		423	581.17	142.71	-25.04	139.50	-21.83	-22.99	-15.02	-96.36	-26.25	-85.12	28.07
		422	841.20	329.35	38.38	221.73	146.00	-140.47	6.36	-96.96	-10.95	-79.65	38.58
22	2	257	952.94	-26.27	-356.47	-32.03	-350.70	43.24	-38.59	-125.44	-47.68	-116.35	-26.59
		424	1031.85	673.48	-119.85	275.90	277.74	-396.66	19.06	-75.88	17.92	-74.74	10.35
		423	1159.00	694.29	-99.99	316.56	277.74	-396.66	24.37	-74.97	14.22	-64.82	30.09
		422	878.63	13.75	-355.83	8.62	-350.70	43.24	-50.55	-107.26	-51.38	-106.43	-6.84
23	1	312	888.45	206.26	-84.12	64.89	57.26	-145.14	26.46	-95.83	2.18	-71.56	48.78
		427	1012.12	265.35	-82.36	84.90	98.10	-173.73	-56.08	-146.38	-72.59	-129.88	34.90
		426	1817.44	260.44	-87.81	74.54	98.10	-173.73	253.20	2.15	108.21	147.14	-124.01
		421	1858.50	201.04	-89.25	54.53	57.26	-145.14	304.92	83.52	182.98	205.46	-110.13
23	2	312	857.76	312.61	5.24	113.61	204.25	-146.85	-8.18	-103.46	-12.54	-99.10	19.91
		427	1056.47	341.32	5.25	123.05	223.52	-160.35	-12.79	-131.60	-23.20	-121.19	33.59
		426	1490.25	321.73	-38.27	59.94	223.52	-160.35	197.21	3.81	100.25	100.77	-96.70
		421	1639.79	293.13	-38.39	50.49	204.25	-146.85	227.43	6.35	110.91	122.87	-110.38
24	1	310	1032.91	641.18	-100.07	611.89	-70.78	-144.41	-47.28	-104.91	-67.43	-84.76	27.48
		257	1388.07	682.15	-66.58	636.37	-20.80	-179.39	115.04	-84.69	79.65	-49.30	76.26
		422	673.29	135.19	-227.10	-71.11	-20.80	-179.39	10.85	-57.29	-22.24	-24.20	34.05
		176	1051.32	61.75	-228.13	-95.60	-70.78	-144.41	-57.71	-171.26	-169.32	-59.66	-14.72
24	2	310	1401.55	527.38	-205.41	-69.81	391.78	-284.57	72.29	-74.95	31.47	-34.14	65.91
		257	1254.21	-119.59	-402.24	-347.30	-174.54	111.85	143.25	-79.41	116.28	-52.45	72.64
		422	570.33	62.03	-227.42	9.14	-174.54	111.85	-8.09	-61.67	-8.25	-61.51	2.89
		176	890.42	628.59	49.82	286.63	391.78	-284.57	-42.91	-93.35	-93.06	-43.20	-3.85
25	1	424	304.46	-29.89	-124.80	-116.48	-38.21	-26.84	-12.73	-51.60	-13.64	-50.69	5.88
		311	437.83	140.49	-118.93	-58.52	80.08	-109.64	-2.76	-41.31	-5.58	-38.49	10.03
		420	747.15	204.13	-16.83	107.23	80.08	-109.64	15.94	-84.91	-8.08	-60.90	42.96
		423	578.06	56.84	-45.79	49.26	-38.21	-26.84	3.52	-92.74	-16.13	-73.09	38.80
25	2	424	873.14	689.37	57.13	285.39	461.11	-303.66	-18.13	-81.78	-23.00	-76.91	-16.92
		311	368.06	87.30	42.33	82.53	47.11	-13.86	-10.03	-62.55	-11.81	-60.77	-9.49
		420	593.13	49.25	-42.60	-40.46	47.11	-13.86	4.46	-85.02	-5.05	-75.51	27.58
		423	1169.48	650.16	-26.65	162.40	461.11	-303.66	-11.19	-96.69	-16.24	-91.65	20.16
26	1	427	1082.23	383.62	-123.11	250.50	10.02	-223.02	-25.40	-142.68	-47.00	-121.07	45.45
		254	1340.75	372.97	-125.31	246.27	1.39	-216.98	-149.32	-196.45	-178.39	-167.38	22.91
		430	1158.74	187.71	-251.28	-64.96	1.39	-216.98	189.97	128.07	152.26	165.78	-30.20
		426	1603.00	200.45	-251.16	-60.73	10.02	-223.02	284.46	211.27	283.65	212.08	-7.65
26	2	427	1048.77	357.79	11.73	187.60	181.91	-173.01	-30.29	-143.89	-36.99	-137.19	26.75
		254	1335.41	30.88	-473.80	-79.57	-363.35	208.68	-66.80	-168.84	-79.63	-156.01	33.84
		430	1229.51	-34.84	-495.90	-167.39	-363.35	208.68	153.07	58.51	117.90	93.68	-45.70
		426	1293.48	318.66	-36.96	99.78	181.91	-173.01	194.53	78.52	160.55	112.50	-52.80
27	1	254	1563.23	323.40	-553.77	-544.97	314.61	-87.39	53.41	-139.86	-7.36	-79.09	89.73

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		310	1867.17	263.63	-574.35	-571.40	260.67	-49.64	116.08	-181.40	-12.28	-53.04	147.34
		176	1701.76	289.65	175.65	204.62	260.67	-49.64	293.30	74.92	179.08	189.14	109.08
		430	1369.42	369.70	175.96	231.05	314.61	-87.39	226.07	121.03	184.00	163.09	51.47
27	2	254	1684.64	33.94	-798.23	33.86	-798.16	-7.71	-78.37	-176.94	-78.39	-176.92	-1.55
		310	1866.65	699.90	-410.55	380.37	-91.01	-502.71	52.45	-150.62	-3.40	-94.78	90.67
		176	2049.56	745.78	-393.03	443.77	-91.01	-502.71	253.88	69.08	160.90	162.06	92.40
		430	1128.40	97.33	-798.23	97.27	-798.16	-7.71	85.91	79.92	85.90	79.92	0.18
28	1	104	616.02	230.17	-360.28	79.91	-210.02	257.18	48.61	8.00	9.84	46.77	8.43
		105	686.71	233.90	-75.55	174.77	-16.42	121.66	23.58	-55.07	-49.97	18.48	-19.36
		424	428.65	46.24	-252.62	-189.95	-16.42	121.66	39.67	-15.03	-9.44	34.08	-16.57
		257	671.61	12.47	-507.30	-284.81	-210.02	257.18	69.10	43.64	50.37	62.37	11.23
28	2	104	1846.79	1174.40	25.96	304.98	895.38	-492.53	139.65	7.91	8.64	138.93	-9.75
		105	1002.02	216.03	-29.51	-28.43	214.95	-16.23	140.44	25.29	25.29	140.44	4.27e-03
		424	1248.81	216.34	24.84	26.23	214.95	-16.23	183.53	19.60	26.82	176.32	-33.62
		257	2199.86	1188.17	66.85	359.64	895.38	-492.53	185.54	-0.56	10.17	174.81	-43.38
29	1	419	496.94	42.65	-176.19	-83.75	-49.79	108.10	39.31	-16.22	14.53	8.55	-27.61
		106	702.97	38.59	-262.93	-113.61	-110.73	150.75	55.06	-24.65	8.74	21.67	-39.33
		427	1061.79	133.91	-203.62	41.01	-110.73	150.75	-9.95	-136.53	-43.14	-103.34	55.68
		312	1121.13	134.33	-113.25	70.87	-49.79	108.10	1.25	-155.04	-37.35	-116.45	67.40
29	2	419	1223.09	318.72	-0.38	108.13	210.21	-151.17	142.76	-16.52	21.00	105.24	-67.59
		106	1201.39	261.53	-0.39	89.32	171.82	-124.29	167.64	21.28	50.58	138.34	-58.57
		427	582.55	267.55	10.45	106.18	171.82	-124.29	55.53	-20.04	1.84	33.65	34.27
		312	585.00	324.66	10.54	124.99	210.21	-151.17	15.35	-42.53	-27.74	0.55	25.25
30	1	304	574.28	-29.18	-299.80	-114.60	-214.39	125.78	47.74	-1.11	17.57	29.06	-23.74
		104	1134.03	-29.21	-524.97	-188.66	-365.52	231.57	33.95	-107.23	-89.19	15.91	-47.14
		257	943.89	612.62	-420.35	557.80	-365.52	231.57	30.81	10.92	21.09	20.64	-9.95
		310	1449.67	650.16	-232.69	631.86	-214.39	125.78	129.74	31.90	127.85	33.79	13.45
30	2	304	1341.12	598.30	1.25	1.44	598.10	-10.89	150.29	50.31	59.59	141.01	-29.01
		104	2218.13	1289.56	118.02	267.17	1140.41	-390.51	153.13	-27.94	-18.49	143.67	-40.27
		257	2126.22	1262.69	-106.69	15.59	1140.41	-390.51	182.42	83.86	83.94	182.34	2.83
		310	1461.79	598.24	-250.28	-250.14	598.10	-10.89	187.47	154.22	162.02	179.67	14.09
31	1	105	324.14	112.55	-113.15	33.37	-33.97	107.71	34.62	-5.26	-2.78	32.14	9.64
		418	395.38	112.51	-246.63	-10.54	-123.58	170.44	23.66	-15.91	-15.30	23.05	4.86
		311	541.08	47.94	-292.94	-121.42	-123.58	170.44	48.19	-2.81	-0.30	45.68	-11.02
		424	403.47	54.15	-165.63	-77.51	-33.97	107.71	55.67	11.32	12.22	54.77	-6.25
31	2	105	820.64	136.56	-54.72	13.55	68.29	-91.64	126.31	5.70	5.71	126.31	-0.88
		418	1225.04	703.61	-54.60	200.07	448.94	-358.10	118.63	4.38	4.40	118.61	1.53
		311	1644.83	731.53	-4.84	277.76	448.94	-358.10	177.23	14.93	24.07	168.09	-37.42
		424	1172.55	172.12	-12.60	91.24	68.29	-91.64	185.68	15.48	25.37	175.79	-39.82
32	1	106	709.87	32.91	-358.06	-244.25	-80.89	177.61	77.09	53.41	62.86	67.64	-11.60
		107	940.33	23.47	-425.05	-269.38	-132.19	213.51	100.70	39.41	76.42	63.69	-29.98
		254	897.17	322.59	-232.44	222.34	-132.19	213.51	-86.02	-127.21	-87.06	-126.17	6.47
		427	905.48	325.16	-158.58	247.48	-80.89	177.61	-84.33	-138.51	-100.63	-122.21	24.85
32	2	106	1311.62	315.90	-9.93	7.73	298.24	-73.78	166.31	-3.69	29.54	133.08	-67.41
		107	2250.55	1312.58	24.27	346.74	990.10	-558.09	196.68	93.96	110.62	180.02	-37.87
		254	1450.90	1303.99	-2.17	311.71	990.10	-558.09	70.16	-0.84	5.44	63.88	20.16
		427	796.60	314.18	-43.25	-27.30	298.24	-73.78	17.88	-76.58	-75.64	16.94	-9.39
33	1	107	642.19	100.11	-227.42	32.75	-160.05	132.39	87.19	14.52	73.97	27.73	-28.03
		304	1019.60	103.31	-120.15	69.08	-85.91	80.49	179.40	104.90	176.12	108.19	15.30
		310	1441.46	-73.35	-601.85	-589.30	-85.91	80.49	188.11	-0.21	132.31	55.59	86.00
		254	829.35	-125.04	-660.64	-625.63	-160.05	132.39	53.42	-48.12	30.17	-24.87	42.66
33	2	107	2115.54	1303.28	22.11	500.25	825.14	-619.65	194.72	109.47	112.17	192.01	-14.94
		304	1360.36	374.54	14.76	192.41	196.89	-179.87	202.94	116.49	133.06	186.37	-34.02
		310	774.08	362.84	1.92	167.87	196.89	-179.87	85.30	27.60	35.62	77.28	-19.96
		254	1578.94	1294.23	6.61	475.71	825.14	-619.65	82.93	14.72	14.74	82.92	-0.88
34	1	245	506.01	88.32	-229.42	-178.64	37.53	-116.43	8.14	-38.66	-8.28	-22.23	22.33
		108	406.24	-148.75	-272.78	-270.86	-150.67	15.31	-15.69	-39.98	-22.66	-33.01	10.98
		105	470.15	89.01	-151.65	88.03	-150.67	15.31	-37.55	-64.69	-42.34	-59.91	10.34
		104	546.20	245.45	-27.67	180.25	37.53	-116.43	-14.41	-62.68	-27.96	-49.13	21.70
34	2	245	824.88	44.04	-340.79	9.44	-306.19	110.08	-49.61	-116.65	-60.64	-105.61	-24.86
		108	1116.08	756.56	-7.29	353.43	395.83	-381.34	42.90	-57.23	36.78	-51.11	23.99
		105	1313.05	710.76	-65.91	249.03	395.83	-381.34	15.01	-90.73	-6.57	-69.15	42.62
		104	936.85	-48.03	-353.12	-94.96	-306.19	110.08	-102.18	-125.46	-103.99	-123.65	-6.24
35	1	302	491.62	-19.76	-143.11	-20.98	-141.90	12.18	26.86	-61.30	-34.55	0.10	40.53
		109	596.87	1.40	-103.96	-1.14	-101.42	-16.16	25.78	-77.48	-36.90	-14.81	50.43
		106	851.94	-80.97	-114.19	-93.73	-101.42	-16.16	140.98	16.55	32.95	124.58	-42.09
		419	1029.94	-109.05	-146.41	-113.57	-141.90	12.18	161.00	13.78	35.29	139.49	-51.99
35	2	302	994.44	493.21	33.12	165.78	360.55	-208.42	-18.87	-96.99	-58.14	-57.72	39.06
		109	1408.03	690.88	33.39	230.87	493.39	-301.41	18.64	-113.47	-32.40	-62.43	64.33
		106	1421.33	671.02	-18.04	159.59	493.39	-301.41	127.06	6.69	32.95	100.80	-49.71
		419	1472.89	474.78	-19.73	94.49	360.55	-208.42	146.02	-33.29	7.22	105.51	-74.98
36	1	300	789.97	477.03	-189.95	474.04	-186.96	44.58	-37.90	-82.48	-61.68	-58.70	22.24

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		245	1266.97	576.42	-15.23	564.18	-2.99	-84.20	123.85	-55.98	79.90	-12.03	77.28
		104	678.60	50.17	-136.33	-83.16	-2.99	-84.20	68.92	-32.38	7.28	29.26	49.44
		304	871.01	-135.03	-225.23	-173.30	-186.96	44.58	-17.14	-134.57	-134.30	-17.41	-5.60
36	2	300	1578.54	667.76	-293.40	-213.15	587.51	-265.88	79.46	-81.85	20.70	-23.09	77.63
		245	1366.01	3.15	-600.56	-532.73	-64.69	190.66	141.38	-77.29	105.33	-41.25	81.13
		104	640.57	109.85	-272.96	-98.42	-64.69	190.66	-22.07	-70.97	-28.92	-64.12	16.97
		304	1068.25	727.20	81.46	221.16	587.51	-265.88	-43.38	-116.14	-113.55	-45.96	13.47
37	1	280	864.75	317.48	-223.51	289.90	-195.93	118.98	-11.57	-99.87	-50.29	-61.16	43.81
		221	1382.54	347.80	-90.20	343.71	-86.11	42.11	126.46	-79.76	76.76	-30.06	88.20
		431	586.01	-14.51	-110.88	-39.28	-86.11	42.11	49.45	-49.01	-3.81	4.25	49.06
		528	806.26	-14.89	-274.13	-93.09	-195.93	118.98	-26.64	-131.07	-130.86	-26.85	4.67
37	2	280	1168.13	568.04	-178.98	-54.38	443.44	-278.49	63.76	-56.66	-4.66	11.76	59.65
		221	850.45	-47.48	-335.42	-308.24	-74.66	84.18	104.98	-41.97	63.36	-0.35	66.21
		431	511.98	-43.93	-305.30	-274.57	-74.66	84.18	-4.12	-39.81	-33.38	-10.56	13.72
		528	1025.66	573.87	-151.14	-20.70	443.44	-278.49	2.04	-101.90	-101.40	1.55	7.16
38	1	432	423.23	-54.62	-170.85	-57.91	-167.56	19.28	-26.73	-53.47	-30.93	-49.27	9.73
		281	305.79	1.69	-101.87	-16.71	-83.48	-39.58	-24.70	-48.86	-28.92	-44.64	9.17
		413	492.19	20.56	-98.53	5.50	-83.48	-39.58	-21.71	-87.12	-39.44	-69.38	29.08
		433	630.46	-32.94	-170.32	-35.70	-167.56	19.28	-23.92	-91.53	-41.45	-74.01	29.63
38	2	432	448.86	347.29	-38.38	-3.68	312.59	-110.35	-20.91	-23.33	-20.92	-23.32	0.11
		281	297.59	60.97	-194.25	-149.10	15.82	97.39	14.44	-14.97	9.14	-9.68	11.30
		413	402.29	96.32	-101.99	-21.48	15.82	97.39	-17.20	-52.48	-28.69	-40.99	16.53
		433	626.80	363.44	73.09	123.94	312.59	-110.35	-50.97	-62.42	-58.75	-54.64	5.34
39	1	89	847.75	48.02	-281.18	12.09	-245.24	102.66	-45.36	-119.87	-87.75	-77.48	36.90
		218	911.07	56.02	-205.20	39.70	-188.89	63.21	-42.76	-147.86	-108.23	-82.39	50.94
		90	796.62	-153.21	-300.86	-265.18	-188.89	63.21	116.76	52.43	52.77	116.43	-4.64
		91	953.44	-163.65	-374.39	-292.80	-245.24	102.66	127.73	66.85	73.25	121.34	-18.67
39	2	89	1674.26	1068.75	-228.82	439.19	400.75	-648.50	-13.92	-104.38	-93.18	-25.11	29.79
		218	1170.64	242.72	-318.18	138.15	-213.62	-218.45	15.17	-112.05	-79.68	-17.21	55.41
		90	1090.06	149.67	-344.97	18.31	-213.62	-218.45	148.55	32.28	32.31	148.53	-1.60
		91	1781.83	1009.83	-289.73	319.35	400.75	-648.50	146.43	12.99	18.80	140.62	-27.22
40	1	218	1050.41	-182.96	-559.39	-557.61	-184.74	25.84	-25.10	-134.19	-65.62	-93.68	52.71
		280	1597.56	-189.37	-563.70	-561.13	-191.93	30.87	141.92	-146.99	15.40	-20.47	143.33
		528	1749.99	-4.14	-197.01	-9.21	-191.93	30.87	304.24	46.66	158.75	192.15	127.71
		90	849.67	-2.03	-188.40	-5.69	-184.74	25.84	140.76	55.91	77.73	118.95	37.08
40	2	218	1066.03	197.30	-174.79	133.30	-110.79	-140.42	59.94	-88.30	-28.34	-0.03	72.76
		280	1856.86	590.46	-118.47	281.12	190.87	-351.58	129.59	-108.27	3.85	17.47	118.73
		528	1501.44	606.56	-106.49	309.20	190.87	-351.58	199.27	42.15	90.29	151.13	72.43
		90	982.61	220.84	-170.25	161.38	-110.79	-140.42	141.98	49.75	58.10	133.64	26.45
41	1	92	729.62	150.69	-117.48	117.55	-84.34	88.26	97.48	0.26	1.02	96.72	8.57
		94	766.93	172.51	25.36	171.70	26.17	10.90	76.73	-46.35	-45.26	75.65	-11.50
		432	662.11	27.67	-53.18	-51.68	26.17	10.90	98.59	-6.06	-4.97	97.51	-10.60
		221	692.78	-6.18	-184.00	-105.83	-84.34	88.26	119.73	40.17	41.31	118.58	9.48
41	2	92	617.46	225.79	-38.98	-31.98	218.79	-42.47	71.75	20.41	20.74	71.42	-4.14
		94	781.72	30.21	-532.95	-258.75	-244.00	281.48	71.34	26.50	26.67	71.17	-2.75
		432	833.26	29.70	-533.49	-259.79	-244.00	281.48	72.01	12.21	14.37	69.85	-11.17
		221	662.86	225.76	-39.99	-33.02	218.79	-42.47	72.55	5.99	8.44	70.09	-12.55
42	1	412	776.65	60.30	-367.22	-141.00	-165.92	213.40	63.73	-2.96	14.74	46.03	-29.45
		95	817.30	62.97	-271.33	-108.59	-99.77	167.10	85.61	-6.19	17.87	61.55	-40.37
		89	1050.40	99.40	-239.96	-40.79	-99.77	167.10	-16.23	-134.99	-61.02	-90.20	57.56
		282	1285.57	98.82	-337.94	-73.20	-165.92	213.40	-13.37	-156.49	-64.14	-105.72	68.48
42	2	412	1018.71	516.83	-202.13	170.42	144.27	-359.24	50.29	-23.01	2.83	24.44	-35.02
		95	557.08	-20.77	-293.77	-36.51	-278.03	-63.63	76.98	15.25	38.77	53.45	-29.98
		89	881.35	61.36	-289.96	49.43	-278.03	-63.63	-17.93	-135.41	-58.10	-95.24	55.72
		282	1433.56	563.90	-163.27	256.36	144.27	-359.24	-56.26	-162.03	-94.05	-124.25	50.69
43	1	523	663.08	7.16	-176.32	-70.78	-98.38	90.70	78.61	-8.03	8.26	62.32	-33.85
		92	956.72	6.99	-194.73	-76.89	-110.85	99.42	85.62	-72.24	-59.58	72.96	-42.88
		221	724.83	340.04	-132.77	318.12	-110.85	99.42	91.13	29.08	30.92	89.29	10.53
		280	876.00	342.87	-117.02	324.23	-98.38	90.70	110.69	66.72	98.76	78.65	19.56
43	2	523	926.44	154.37	-260.63	-109.74	3.48	199.63	146.32	81.74	92.85	135.21	24.37
		92	959.93	290.83	31.05	31.06	290.82	-1.51	89.42	-47.75	-38.88	80.56	-33.72
		221	483.86	290.83	-115.38	-115.38	290.82	-1.51	31.65	-9.57	5.61	16.47	-19.88
		280	944.21	111.78	-364.48	-256.18	3.48	199.63	154.80	53.68	137.35	71.12	38.21
44	1	94	560.98	82.96	36.63	59.00	60.59	23.15	77.70	-18.45	-17.97	77.22	6.80
		410	551.48	82.20	-0.81	46.43	34.95	41.10	74.61	-23.42	-22.77	73.97	7.93
		281	687.31	56.31	-44.16	-22.80	34.95	41.10	107.93	0.96	1.39	107.50	-6.75
		432	713.22	67.49	-17.13	-10.23	60.59	23.15	111.34	5.61	6.20	110.75	-7.87
44	2	94	757.75	7.23	-512.10	-140.34	-364.53	234.22	68.79	20.03	20.96	67.87	6.67
		410	581.26	8.03	-305.87	-72.26	-225.58	136.96	52.86	-0.59	-0.26	52.53	-4.16
		281	733.82	-10.32	-312.72	-97.46	-225.58	136.96	74.09	0.82	8.10	66.82	-21.91
		432	911.22	-10.56	-519.52	-165.55	-364.53	234.22	84.38	27.08	29.31	82.15	-11.09
45	1	95	814.58	55.05	-387.80	-284.28	-48.47	187.42	105.38	57.06	62.71	99.73	-15.52

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		100	971.18	55.00	-388.01	-284.37	-48.65	187.54	126.04	73.47	91.92	107.59	-25.09
		218	761.80	192.14	-194.72	46.07	-48.65	187.54	-54.54	-104.28	-72.49	-86.33	23.89
		89	894.72	192.14	-194.46	46.16	-48.47	187.42	-64.28	-131.61	-101.71	-94.18	33.45
45	2	95	705.72	105.49	-119.39	69.89	-83.79	82.09	86.59	-4.08	22.82	59.68	-41.42
		100	1080.82	518.29	91.87	275.12	335.04	-211.09	115.58	42.56	73.81	84.33	-36.13
		218	1061.40	578.31	151.87	395.13	335.04	-211.09	-59.29	-108.87	-75.55	-92.61	23.28
		89	835.90	212.64	-106.52	189.91	-83.79	82.09	-103.33	-140.47	-126.54	-117.26	17.98
46	1	100	731.11	112.44	-173.17	11.78	-72.50	136.45	94.83	20.45	57.76	57.52	-37.19
		523	965.33	112.59	-41.76	55.04	15.80	74.64	160.51	140.40	158.11	142.81	6.52
		280	1322.62	26.03	-528.77	-518.54	15.80	74.64	191.14	14.12	118.68	86.58	87.04
		218	806.57	-37.02	-597.28	-561.81	-72.50	136.45	53.97	-34.35	18.33	1.29	43.33
46	2	100	1087.73	585.92	79.51	397.73	267.69	-244.72	111.61	98.22	105.53	104.29	-6.67
		523	985.95	176.64	-281.53	144.40	-249.30	117.18	148.57	123.09	137.07	134.59	-12.68
		280	905.88	114.58	-287.03	76.85	-249.30	117.18	98.32	-12.88	62.86	22.58	51.82
		218	1060.48	545.63	52.23	330.17	267.69	-244.72	72.85	-49.24	31.33	-7.72	57.84
47	1	209	531.87	206.68	-230.36	-182.35	158.67	-136.67	17.94	-28.29	-10.00	-0.34	22.60
		101	400.62	36.96	-253.23	-245.68	29.42	-46.19	-9.83	-32.86	-29.56	-13.14	8.07
		94	436.08	146.03	11.12	127.73	29.42	-46.19	-36.61	-60.83	-50.55	-46.89	11.97
		92	631.96	312.49	37.25	191.07	158.67	-136.67	-6.00	-59.09	-30.99	-34.10	26.50
47	2	209	1944.40	284.02	-938.43	111.80	-766.21	425.29	-114.93	-205.61	-115.12	-205.42	4.13
		101	1408.74	382.94	-221.87	379.98	-218.91	42.18	-15.83	-178.66	-36.03	-158.46	53.68
		94	912.15	-57.83	-229.95	-68.87	-218.91	42.18	13.14	-113.02	-9.03	-90.85	48.01
		92	1558.07	-75.27	-1027.99	-337.05	-766.21	425.29	-88.07	-137.86	-88.12	-137.82	-1.54
48	1	279	569.21	95.76	-50.20	70.48	-24.92	-55.23	26.30	-56.75	-44.72	14.28	29.23
		102	632.20	94.59	-50.61	69.96	-25.98	-54.50	26.10	-68.31	-44.92	2.71	40.76
		95	972.08	0.41	-138.55	-112.16	-25.98	-54.50	156.83	12.48	27.67	141.63	-44.29
		412	1099.99	1.93	-138.51	-111.65	-24.92	-55.23	174.46	6.60	27.86	153.20	-55.83
48	2	279	1386.67	143.34	-552.35	-244.74	-164.26	345.51	-36.72	-152.15	-68.72	-120.15	51.67
		102	1407.01	164.19	-314.86	-159.79	9.12	224.14	17.04	-172.04	-34.72	-120.27	84.31
		95	872.01	288.19	-170.91	108.15	9.12	224.14	100.24	18.95	47.32	71.87	-38.75
		412	1456.48	287.47	-428.53	23.20	-164.26	345.51	119.84	-34.52	13.33	71.99	-71.39
49	1	277	917.24	503.92	-107.68	503.14	-106.90	-21.89	-53.79	-88.36	-82.77	-59.39	12.73
		209	1212.02	614.45	21.84	582.08	54.21	-134.67	130.93	-46.11	85.25	-0.43	77.46
		92	817.42	154.99	-125.75	-24.97	54.21	-134.67	82.99	-34.54	-1.62	50.06	52.78
		523	1063.26	-83.46	-127.35	-103.91	-106.90	-21.89	-8.01	-170.52	-169.64	-8.89	-11.95
49	2	277	1639.09	81.63	-706.84	-689.64	64.43	115.18	125.20	-140.68	47.01	-62.49	121.14
		209	2218.03	-165.96	-1258.84	-952.59	-472.21	490.82	140.03	-157.66	92.70	-110.33	108.85
		92	1420.20	165.08	-850.23	-212.94	-472.21	490.82	-17.44	-106.64	-21.51	-102.57	18.61
		523	610.15	172.62	-58.18	50.01	64.43	115.18	-29.44	-92.49	-67.20	-54.73	30.90
50	1	101	231.79	29.97	-89.03	-54.78	-4.28	-53.88	4.09	-23.65	-14.19	-5.36	13.15
		278	193.33	57.25	-88.98	-45.79	14.06	-66.71	-7.18	-24.00	-21.60	-9.59	5.89
		410	392.13	102.42	-36.30	52.06	14.06	-66.71	-24.65	-55.85	-40.53	-39.97	15.60
		94	401.64	78.25	-39.45	43.08	-4.28	-53.88	-11.54	-57.33	-33.13	-35.74	22.86
50	2	101	1006.49	67.05	-134.17	41.81	-108.93	66.65	-58.60	-164.05	-68.99	-153.65	31.44
		278	1026.39	66.52	-142.71	38.83	-115.02	70.91	-41.99	-160.63	-57.86	-144.76	40.38
		410	937.01	-28.02	-172.81	-85.82	-115.02	70.91	-23.38	-141.61	-41.55	-123.44	42.64
		94	911.61	-27.97	-163.80	-82.84	-108.93	66.65	-40.34	-144.68	-52.69	-132.33	33.70
51	1	102	865.70	348.09	-69.72	337.67	-59.30	-65.16	-12.07	-89.00	-78.77	-22.30	26.12
		206	1112.28	415.84	-15.61	377.75	22.49	-122.41	-25.83	-126.59	-117.68	-34.74	28.61
		100	961.11	68.07	-306.25	-260.67	22.49	-122.41	144.94	36.57	37.81	143.70	-11.51
		95	902.44	-42.83	-317.21	-300.75	-59.30	-65.16	158.53	74.33	76.72	156.13	-13.99
51	2	102	1406.49	-243.12	-332.14	-283.88	-291.38	44.35	-33.47	-207.87	-78.52	-162.82	76.34
		206	2519.49	-244.54	-1255.06	-587.86	-911.74	478.61	-10.02	-234.84	-68.57	-176.28	98.67
		100	1570.22	149.17	-1127.65	-66.75	-911.74	478.61	71.16	2.74	35.49	38.41	-34.18
		95	928.30	240.93	-295.07	237.23	-291.38	44.35	96.72	-19.32	25.54	51.86	-56.51
52	1	206	1225.06	233.73	-723.24	-714.89	225.37	-89.02	48.21	-105.72	-43.08	-14.43	75.62
		277	1788.56	123.38	-765.37	-765.03	123.04	-17.39	128.87	-150.02	-38.36	17.21	136.65
		523	1541.10	126.26	29.41	32.64	123.04	-17.39	273.66	62.08	139.75	195.99	101.98
		100	1121.12	268.13	40.03	82.79	225.37	-89.02	193.18	106.19	135.02	164.35	40.95
52	2	206	3035.46	382.58	-1597.89	363.56	-1578.87	193.12	-151.36	-282.50	-152.58	-281.29	-12.56
		277	2751.47	739.37	-953.74	692.73	-907.10	-277.12	158.38	-200.59	92.54	-134.75	138.92
		523	2503.64	346.64	-968.36	285.39	-907.10	-277.12	291.35	20.19	151.91	159.63	135.52
		100	2029.21	-19.86	-1602.79	-43.78	-1578.87	193.12	15.44	-95.55	-93.21	13.10	-15.96
53	1	147	1439.79	478.23	-890.97	476.88	-889.62	-42.99	280.50	51.55	53.06	278.98	18.55
		468	815.62	480.21	-78.37	476.88	-75.04	-42.99	188.08	-24.41	-19.77	183.44	31.05
		467	318.89	-0.86	-99.96	-25.77	-75.04	-42.99	-4.97	-97.36	-36.22	-66.12	-43.71
		466	656.61	-23.64	-891.76	-25.77	-889.62	-42.99	89.34	-23.30	36.61	29.42	-56.21
53	2	147	539.39	7.13	-722.05	-18.55	-696.38	134.39	-20.37	-78.98	-62.52	-36.84	-26.34
		468	480.32	528.76	-51.55	-18.55	495.76	134.39	5.10	-38.46	1.25	-34.61	-12.36
		467	641.41	522.01	-192.27	-166.02	495.76	134.39	15.77	-71.67	12.32	-68.21	-17.04
		466	570.23	-133.91	-728.49	-166.02	-696.38	134.39	-28.51	-93.38	-51.45	-70.44	-31.02
54	1	152	1245.37	227.28	-862.08	175.55	-810.35	-231.69	266.98	47.28	50.19	264.07	-25.09

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		473	997.84	246.21	-584.05	175.55	-513.38	-231.69	223.01	8.14	9.78	221.37	-18.66
		472	655.71	43.59	-609.75	-52.79	-513.38	-231.69	25.07	-80.74	-14.75	-40.92	-51.26
		471	768.64	12.45	-875.59	-52.79	-810.35	-231.69	72.63	-45.20	25.66	1.78	-57.69
54	2	152	1017.95	-137.88	-1282.89	-665.55	-755.22	570.75	19.99	-116.63	-81.00	-15.64	-59.98
		473	1002.04	76.52	-1104.53	-665.55	-362.46	570.75	83.40	-12.19	42.26	28.95	-47.33
		472	776.59	397.82	-790.93	-30.64	-362.46	570.75	55.20	-31.36	49.39	-25.55	-21.66
		471	924.97	283.09	-1068.96	-30.64	-755.22	570.75	-37.64	-106.38	-73.87	-70.14	-34.32
55	1	138	1395.02	78.38	-1023.55	-84.77	-860.41	-391.35	333.43	77.73	79.03	332.12	-18.23
		477	943.00	192.18	-637.77	-84.77	-360.82	-391.35	232.03	-3.37	-3.32	231.98	-3.52
		476	911.16	155.96	-657.18	-140.40	-360.82	-391.35	36.28	-133.49	-24.05	-73.16	-81.26
		475	1042.97	31.34	-1032.15	-140.40	-860.41	-391.35	139.88	-54.59	58.31	26.98	-95.96
55	2	138	1289.77	106.82	-1339.82	-512.82	-720.18	715.85	75.53	-104.64	-56.81	27.69	-79.57
		477	1222.16	279.63	-1159.47	-512.82	-367.03	715.85	118.61	-19.01	45.26	54.34	-68.66
		476	1107.47	447.30	-996.31	-181.98	-367.03	715.85	75.41	-62.87	46.45	-33.91	-56.26
		475	1184.58	313.68	-1215.84	-181.98	-720.18	715.85	9.12	-125.30	-55.62	-60.56	-67.17
56	1	133	1189.02	129.30	-915.50	18.97	-805.18	-321.08	261.83	61.98	64.31	259.50	-21.46
		481	861.69	182.82	-610.22	18.97	-446.37	-321.08	198.54	5.21	7.53	196.22	-21.06
		480	810.55	83.93	-640.78	-110.48	-446.37	-321.08	28.33	-117.26	-23.45	-65.49	-69.69
		479	886.17	15.19	-930.85	-110.48	-805.18	-321.08	87.88	-56.74	33.34	-2.20	-70.09
56	2	133	1213.08	-23.35	-1397.57	-626.94	-793.98	682.02	39.57	-120.46	-67.64	-13.25	-75.25
		481	1218.04	192.97	-1194.25	-626.94	-374.33	682.02	114.55	-29.44	51.16	33.95	-71.48
		480	1003.97	453.38	-936.30	-108.59	-374.33	682.02	66.68	-49.49	47.53	-30.33	-43.11
		479	1078.90	311.99	-1214.56	-108.59	-793.98	682.02	-27.41	-121.39	-71.27	-77.53	-46.88
57	1	108	313.14	-111.22	-161.84	-125.02	-148.04	22.54	-10.84	-33.30	-15.95	-28.20	9.41
		301	236.80	-56.36	-111.59	-90.45	-77.50	-26.84	-18.92	-31.38	-21.18	-29.12	4.81
		418	367.99	31.25	-84.12	24.62	-77.50	-26.84	-20.30	-62.69	-31.18	-51.81	18.52
		105	485.73	-6.36	-151.63	-9.95	-148.04	22.54	-12.14	-64.69	-25.95	-50.88	23.13
57	2	108	855.42	741.27	54.34	267.51	528.10	-317.79	-19.74	-69.13	-27.72	-61.15	-18.17
		301	405.24	247.19	53.64	104.80	196.03	-85.35	-0.43	-43.90	-2.38	-41.94	-9.02
		418	798.48	233.30	0.59	37.86	196.03	-85.35	-24.22	-104.70	-35.70	-93.22	28.15
		105	1282.68	721.84	6.83	200.58	528.10	-317.79	-54.77	-118.69	-61.03	-112.43	19.00
58	1	109	671.51	143.35	-152.43	135.64	-144.72	-47.14	-27.91	-96.69	-75.68	-48.92	31.68
		242	914.06	195.26	-112.31	165.90	-82.95	-90.37	-36.90	-129.62	-108.56	-57.97	38.85
		107	762.16	-42.19	-283.32	-242.56	-82.95	-90.37	129.53	53.66	54.05	129.14	-5.43
		106	899.01	-129.24	-288.30	-272.82	-144.72	-47.14	141.11	84.00	86.93	138.18	-12.61
58	2	109	1357.23	687.05	-68.13	284.62	334.29	-376.77	-82.77	-139.65	-101.96	-120.46	26.89
		242	1339.70	-25.27	-454.50	-76.69	-403.07	139.38	6.60	-151.47	-46.49	-98.38	74.66
		107	950.78	-32.43	-455.49	-84.84	-403.07	139.38	102.40	47.97	53.40	96.96	-16.32
		106	1488.42	683.26	-72.50	276.47	334.29	-376.77	111.15	-38.34	-2.07	74.88	-64.08
59	1	51	4902.43	63.82	-720.02	-706.15	49.95	-103.34	20.37	-5.78	-5.76	20.35	-0.79
		54	5040.03	-0.20	-739.13	-733.49	-5.84	-64.28	18.44	-10.05	-9.58	17.96	-3.65
		878	3615.08	2.09	-527.10	-519.18	-5.84	-64.28	5.74	-12.51	-11.87	5.09	-3.37
		876	3392.41	68.99	-510.88	-491.84	49.95	-103.34	7.50	-8.07	-8.05	7.48	-0.51
59	2	51	5843.17	54.34	-965.63	-959.76	48.47	-77.15	20.06	-6.37	-6.35	20.04	-0.83
		54	5998.89	4.77	-984.25	-982.19	2.71	-45.11	18.26	-10.39	-9.88	17.76	-3.78
		878	5293.40	4.86	-943.01	-940.86	2.71	-45.11	5.60	-13.09	-12.46	4.97	-3.36
		876	5071.05	54.59	-924.55	-918.43	48.47	-77.15	7.27	-8.93	-8.92	7.26	-0.41
60	1	242	997.24	99.44	-605.19	-603.68	97.94	-32.48	25.89	-104.86	-32.82	-46.15	65.04
		300	1628.56	-7.16	-659.44	-656.58	-10.02	43.09	157.92	-124.21	24.47	9.24	140.86
		304	1701.70	68.23	-33.75	44.49	-10.02	43.09	297.58	58.60	161.22	194.97	118.29
		107	932.00	130.15	65.19	97.39	97.94	-32.48	167.81	75.70	103.93	139.57	42.47
60	2	242	1742.17	348.26	-913.68	340.57	-905.99	-98.18	-113.66	-165.34	-115.18	-163.82	8.73
		300	2295.35	999.66	-491.82	693.52	-185.69	-602.39	73.18	-157.95	-10.28	-74.48	111.02
		304	2345.67	774.07	-563.78	395.98	-185.69	-602.39	248.76	39.12	130.13	157.75	103.90
		107	1279.47	53.08	-916.04	43.03	-905.99	-98.18	68.47	25.17	25.23	68.41	1.61
61	1	114	765.76	224.85	-449.06	49.06	-273.26	295.91	58.56	1.26	2.45	57.37	8.18
		115	773.03	227.59	-165.99	143.05	-81.45	161.64	37.11	-52.57	-49.96	34.50	-15.06
		108	501.05	34.02	-307.72	-192.25	-81.45	161.64	52.82	-8.63	-7.50	51.70	-8.24
		245	744.85	16.23	-575.74	-286.24	-273.26	295.91	80.83	38.64	44.91	74.56	15.01
61	2	114	1995.93	1294.82	-71.77	255.43	967.62	-583.17	137.01	1.38	1.86	136.53	-8.06
		115	1073.70	266.49	-114.40	-96.77	248.85	-80.04	148.67	35.77	37.32	147.13	13.12
		108	1396.59	279.82	41.99	72.95	248.85	-80.04	206.81	37.64	42.86	201.59	-29.26
		245	2459.49	1339.55	53.22	425.15	967.62	-583.17	203.94	-5.54	7.41	190.99	-50.43
62	1	417	625.94	42.74	-336.74	-134.36	-159.65	189.32	38.24	-10.55	12.08	15.61	-24.33
		116	800.83	42.14	-368.67	-145.05	-181.48	204.60	56.28	-20.74	8.84	26.69	-37.46
		109	1168.69	117.66	-321.41	-22.28	-181.48	204.60	-28.56	-145.66	-61.16	-113.06	52.49
		302	1281.44	117.66	-288.89	-11.58	-159.65	189.32	-17.54	-164.54	-57.92	-124.15	65.62
62	2	417	1563.48	591.73	-49.60	205.83	336.30	-313.96	156.98	-11.38	20.69	124.91	-66.11
		116	1315.15	283.70	-52.72	103.51	127.48	-167.78	188.21	31.18	58.23	161.17	-59.29
		109	856.18	293.41	-42.17	123.76	127.48	-167.78	37.88	-67.95	-32.91	2.84	49.80
		302	1158.40	599.95	-37.57	226.08	336.30	-313.96	-5.13	-98.74	-70.45	-33.42	42.98
63	1	532	632.62	-55.86	-354.32	-108.95	-301.23	114.14	52.07	2.73	14.38	40.42	-20.95

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		114	1188.57	-60.08	-604.96	-192.76	-472.28	233.87	46.21	-92.67	-78.50	32.05	-42.02
		245	994.47	498.53	-528.62	442.19	-472.28	233.87	33.62	15.57	15.83	33.36	-2.16
		300	1267.39	541.46	-316.69	526.00	-301.23	114.14	113.68	36.75	108.71	41.73	18.91
63	2	532	1508.14	734.24	-41.65	-39.31	731.90	42.55	155.22	42.96	52.58	145.60	-31.43
		114	2450.87	1502.78	140.52	273.34	1369.96	-404.10	161.44	-20.39	-12.87	153.91	-36.21
		245	2478.70	1472.38	-224.30	-121.87	1369.96	-404.10	200.06	87.63	87.85	199.85	4.93
		300	1700.50	733.45	-436.07	-434.52	731.90	42.55	193.86	150.97	153.30	191.53	9.71
64	1	115	436.15	107.84	-203.33	-4.05	-91.45	149.32	48.70	-10.06	-7.68	46.32	11.58
		415	486.97	107.79	-255.61	-21.25	-126.57	173.90	37.20	-24.41	-23.92	36.71	5.51
		301	577.87	52.76	-295.21	-115.89	-126.57	173.90	60.27	-4.44	-3.78	59.61	-6.49
		108	517.85	54.30	-244.43	-98.68	-91.45	149.32	69.23	12.46	12.46	69.23	-0.41
64	2	115	866.00	224.19	-53.59	45.15	125.46	-132.96	123.86	-0.29	-0.13	123.70	4.49
		415	1093.33	606.74	-53.46	171.00	382.28	-312.74	117.47	1.07	1.97	116.57	10.21
		301	1629.02	630.35	-11.98	236.10	382.28	-312.74	193.07	20.88	30.12	183.83	-38.81
		108	1349.06	251.03	-15.32	110.25	125.46	-132.96	202.34	16.65	28.03	190.96	-44.54
65	1	116	789.73	12.78	-447.36	-273.64	-160.94	223.07	77.15	53.05	60.42	69.79	-11.10
		117	1040.50	5.22	-546.17	-308.63	-232.33	273.04	99.49	42.61	73.32	68.76	-28.35
		242	1051.18	271.36	-380.34	123.34	-232.33	273.04	-74.42	-125.44	-80.80	-119.06	16.88
		109	1056.68	273.00	-275.60	158.33	-160.94	223.07	-69.65	-142.10	-93.72	-118.03	34.13
65	2	116	1427.69	335.24	67.76	88.48	314.52	-71.49	183.81	-10.82	25.76	147.23	-76.03
		117	2482.69	1460.48	90.75	466.08	1085.15	-610.93	226.04	131.41	144.49	212.96	-32.66
		242	1616.47	1438.16	27.86	380.88	1085.15	-610.93	70.91	-28.67	-9.14	51.38	39.54
		109	914.97	330.16	-12.36	3.27	314.52	-71.49	-14.22	-128.00	-127.87	-14.35	-3.83
66	1	117	794.75	115.15	-362.31	-31.46	-215.70	220.24	83.00	14.92	67.92	30.01	-28.27
		532	996.60	115.33	-164.01	33.81	-82.49	126.99	174.08	111.40	168.33	117.14	18.08
		300	1500.04	-54.03	-649.13	-620.66	-82.49	126.99	207.03	-0.46	137.06	69.52	98.10
		242	1007.75	-128.66	-772.98	-685.94	-215.70	220.24	67.93	-48.90	36.64	-17.61	51.74
66	2	117	2287.97	1401.00	-65.56	529.66	805.78	-720.17	212.60	118.90	121.54	209.96	-15.50
		532	1445.27	350.37	-89.75	176.20	84.43	-215.22	228.76	141.42	155.26	214.92	-31.89
		300	789.46	557.21	-13.55	459.23	84.43	-215.22	88.65	43.71	43.97	88.39	-3.45
		242	1602.29	1529.41	89.06	812.69	805.78	-720.17	85.64	8.04	10.26	83.42	12.94
67	1	233	442.63	22.33	-244.01	-215.84	-5.84	-81.91	16.93	-30.30	-4.52	-8.84	23.52
		119	390.62	-163.67	-306.77	-297.65	-172.79	34.96	1.23	-28.83	-10.76	-16.84	14.72
		115	473.98	70.73	-177.81	65.71	-172.79	34.96	-34.43	-62.70	-43.65	-53.48	13.26
		114	498.01	183.04	-41.36	147.52	-5.84	-81.91	-19.03	-63.86	-37.41	-45.48	22.05
67	2	233	1145.60	184.87	-418.70	113.69	-347.52	194.67	-93.13	-164.33	-98.90	-158.56	-19.43
		119	1203.08	715.15	105.45	460.45	360.15	-300.70	7.26	-110.31	-3.36	-99.69	33.70
		115	1365.79	584.15	-43.52	180.48	360.15	-300.70	18.31	-118.26	-13.08	-86.87	57.46
		114	1144.02	-42.17	-471.63	-166.28	-347.52	194.67	-108.12	-146.23	-108.62	-145.74	4.33
68	1	292	558.97	-24.98	-197.79	-39.22	-183.55	47.52	31.42	-61.48	-36.01	5.95	41.44
		120	633.47	-21.59	-172.00	-29.62	-163.97	33.81	27.43	-78.00	-41.26	-9.31	50.23
		116	947.39	-112.90	-186.35	-135.29	-163.97	33.81	143.08	18.58	32.03	129.63	-38.65
		417	1089.63	-112.92	-215.52	-144.88	-183.55	47.52	162.81	19.36	37.29	144.88	-47.44
68	2	292	969.16	280.87	29.70	63.06	247.50	-85.25	-35.65	-133.79	-70.44	-99.01	46.94
		120	1569.40	648.35	38.16	186.70	499.81	-261.86	3.85	-155.35	-46.35	-105.14	73.98
		116	1306.28	660.43	72.88	233.50	499.81	-261.86	114.93	3.17	35.85	82.25	-50.84
		417	1188.61	288.24	69.13	109.87	247.50	-85.25	136.85	-36.71	11.76	88.38	-77.87
69	1	48	3741.76	69.94	-529.65	-500.10	40.39	-129.79	17.16	-4.55	-4.47	17.08	1.27
		51	3923.90	6.09	-541.75	-525.08	-10.58	-94.11	17.44	-6.63	-6.44	17.24	-2.15
		876	2400.27	18.44	-315.72	-286.70	-10.58	-94.11	3.83	-10.60	-10.57	3.80	0.68
		875	2184.15	88.49	-309.82	-261.72	40.39	-129.79	4.88	-9.85	-8.60	3.63	4.10
69	2	48	4770.67	53.71	-791.65	-778.89	40.95	-103.09	16.96	-5.11	-5.02	16.86	1.43
		51	4955.79	4.98	-806.44	-799.78	-1.69	-73.24	17.15	-7.11	-6.94	16.98	-2.04
		876	4432.08	5.06	-796.86	-790.11	-1.69	-73.24	3.79	-11.17	-11.13	3.75	0.77
		875	4240.95	53.86	-782.13	-769.22	40.95	-103.09	4.91	-10.48	-9.21	3.64	4.24
70	1	290	751.73	411.68	-226.36	397.53	-212.20	93.98	-39.30	-80.68	-66.80	-53.18	19.53
		233	1178.72	491.56	-28.20	488.96	-25.60	-36.64	115.90	-50.25	71.14	-5.50	73.71
		114	619.06	-5.67	-92.94	-73.00	-25.60	-36.64	70.67	-34.75	2.11	33.81	50.27
		532	878.76	-91.35	-285.28	-164.43	-212.20	93.98	-13.74	-135.97	-135.84	-13.87	-3.91
70	2	290	1853.95	606.79	-342.09	-279.67	544.37	-235.24	107.97	-115.99	27.96	-35.98	107.32
		233	1542.11	-34.40	-711.06	-611.87	-133.59	239.33	140.88	-119.05	95.87	-74.04	98.36
		114	882.52	97.41	-381.55	-150.55	-133.59	239.33	-43.02	-107.54	-48.12	-102.43	17.42
		532	1133.29	660.04	65.98	181.65	544.37	-235.24	-53.28	-127.12	-116.03	-64.37	26.39
71	1	119	297.79	-115.00	-204.34	-149.20	-170.14	43.42	-5.86	-23.12	-13.07	-15.91	8.51
		291	256.17	-114.81	-168.39	-137.31	-145.89	26.45	-13.22	-20.36	-16.95	-16.63	3.57
		415	442.10	-7.53	-150.94	-12.59	-145.89	26.45	-20.95	-60.35	-33.97	-47.34	18.53
		115	504.02	-12.51	-182.10	-24.47	-170.14	43.42	-13.47	-63.24	-30.10	-46.62	23.47
71	2	119	1028.96	647.63	78.72	278.60	447.75	-271.59	-57.65	-104.47	-57.93	-104.19	-3.61
		291	756.99	390.10	78.45	193.82	274.73	-150.48	-24.48	-82.71	-26.71	-80.47	11.18
		415	1108.12	356.27	-2.98	78.57	274.73	-150.48	-22.32	-135.28	-45.72	-111.88	45.78
		115	1349.54	612.12	-1.02	163.35	447.75	-271.59	-63.60	-148.94	-76.93	-135.60	30.99
72	1	120	607.22	94.25	-181.62	93.03	-180.40	18.29	-16.52	-94.87	-72.90	-38.49	35.20

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		230	869.22	146.04	-98.46	137.41	-89.83	-45.11	-31.60	-130.36	-111.38	-50.58	38.92
		117	772.65	-78.70	-272.69	-261.56	-89.83	-45.11	131.95	49.53	49.72	131.76	-3.99
		116	963.00	-177.79	-308.55	-305.94	-180.40	18.29	144.90	87.15	88.20	143.85	-7.71
72	2	120	1522.95	618.02	-181.97	192.80	243.25	-399.20	-109.93	-186.46	-124.71	-171.68	30.21
		230	1692.39	-136.65	-604.84	-194.44	-547.05	154.01	-6.01	-197.67	-59.83	-143.84	86.13
		117	979.51	23.05	-588.65	-18.55	-547.05	154.01	84.58	52.04	57.48	79.15	-12.13
		116	1478.76	710.06	-98.13	368.69	243.25	-399.20	96.08	-52.17	-7.40	51.31	-68.06
73	1	230	1023.92	58.98	-634.66	-634.50	58.82	-10.39	34.42	-101.35	-31.58	-35.35	67.86
		290	1682.52	-53.00	-701.99	-693.47	-61.52	73.85	158.22	-121.11	21.52	15.59	139.63
		532	1671.70	42.07	-114.17	-10.58	-61.52	73.85	290.19	55.70	152.71	193.19	115.48
		117	922.26	65.23	41.99	48.39	58.82	-10.39	169.56	72.29	99.61	142.24	43.71
73	2	230	2160.72	479.41	-1018.82	478.22	-1017.63	-42.28	-143.17	-218.65	-143.63	-218.19	5.89
		290	2383.36	1080.85	-506.94	844.35	-270.43	-565.32	57.52	-197.73	-25.19	-115.03	119.46
		532	2443.37	726.02	-591.16	405.29	-270.43	-565.32	257.91	18.62	128.85	147.68	119.27
		117	1280.13	40.86	-1019.31	39.17	-1017.63	-42.28	45.45	9.48	10.41	44.52	5.70
74	1	431	794.18	237.40	-481.38	44.63	-288.61	318.43	53.16	3.17	3.65	52.68	4.88
		433	818.93	238.68	-274.98	112.93	-149.23	220.86	36.24	-44.87	-42.13	33.49	-14.67
		119	618.23	31.61	-418.98	-238.14	-149.23	220.86	54.70	-1.38	-0.24	53.55	-7.93
		233	791.80	21.03	-616.08	-306.44	-288.61	318.43	77.04	41.25	45.54	72.74	11.63
74	2	431	2253.30	1323.52	-216.19	177.52	929.82	-671.71	172.96	-7.64	-7.55	172.87	-3.94
		433	1424.55	421.47	-230.52	-123.84	314.79	-241.19	181.63	22.14	22.96	180.81	11.39
		119	1557.92	509.34	15.76	210.31	314.79	-241.19	206.13	7.33	9.49	203.96	-20.63
		233	2476.90	1424.24	17.25	511.67	929.82	-671.71	201.84	-26.83	-21.02	196.03	-35.97
75	1	44	1209.29	682.51	-695.93	654.88	-668.30	-193.20	70.97	-131.84	31.45	-92.32	-80.33
		485	637.51	731.18	165.68	654.88	241.99	-193.20	57.83	-98.34	-40.89	0.38	-75.31
		484	387.30	411.61	21.92	191.54	241.99	-193.20	-5.19	-74.71	-42.85	-37.05	-34.64
		483	998.75	232.95	-709.72	191.54	-668.30	-193.20	38.82	-139.09	29.49	-129.75	-39.66
75	2	44	1152.36	162.14	-692.28	129.79	-659.93	-163.07	146.97	-136.49	-105.21	115.70	88.81
		485	805.00	383.21	24.86	129.79	278.28	-163.07	114.03	-140.38	0.36	-26.71	126.48
		484	499.54	352.71	-78.96	-4.52	278.28	-163.07	102.95	-27.06	28.24	47.65	64.28
		483	1107.65	33.81	-698.26	-4.52	-659.93	-163.07	192.68	-79.95	-77.33	190.06	26.61
76	1	414	724.24	34.45	-419.61	-163.92	-221.25	225.21	39.11	-14.91	8.81	15.39	-26.81
		91	840.92	34.48	-417.26	-163.13	-219.65	224.09	59.14	-15.17	13.46	30.52	-36.17
		120	1224.30	111.86	-371.13	-39.63	-219.65	224.09	-26.40	-146.01	-61.19	-111.21	54.32
		292	1352.24	111.86	-373.51	-40.41	-221.25	225.21	-25.59	-166.59	-65.83	-126.34	63.68
76	2	414	1664.84	780.78	-36.63	294.69	449.46	-401.31	152.77	-8.37	10.54	133.87	-51.86
		91	1382.83	377.58	-41.70	160.43	175.45	-209.51	179.27	3.85	23.42	159.70	-55.23
		120	984.67	331.57	-105.71	50.40	175.45	-209.51	49.17	-77.10	-43.08	15.15	56.02
		292	1410.50	739.65	-105.52	184.67	449.46	-401.31	30.24	-96.88	-55.96	-10.68	59.39
77	1	528	749.02	-42.87	-456.90	-74.22	-425.55	109.52	60.33	19.97	25.39	54.92	-13.75
		431	1283.73	-58.06	-652.05	-143.39	-566.72	208.34	48.32	-96.79	-81.35	32.89	-44.74
		233	1023.90	407.92	-611.26	363.39	-566.72	208.34	27.10	-3.25	5.21	18.64	-13.61
		290	1260.93	446.32	-439.31	432.56	-425.55	109.52	115.96	36.66	111.95	40.67	17.38
77	2	528	1879.37	1063.74	-166.71	-156.27	1053.31	112.84	145.72	4.23	18.78	131.17	-42.97
		431	2754.28	1726.01	80.36	142.77	1663.59	-314.35	184.06	10.90	13.17	181.78	-19.73
		233	2952.03	1716.32	-210.61	-157.88	1663.59	-314.35	262.03	85.63	100.20	247.46	48.56
		290	2199.29	1061.69	-465.31	-456.92	1053.31	112.84	203.41	99.24	105.81	196.85	25.31
78	1	433	514.34	123.31	-312.03	-17.10	-171.61	203.50	50.37	-4.92	-0.99	46.44	14.21
		413	560.90	123.31	-340.44	-26.45	-190.68	216.85	32.49	-24.29	-23.95	32.15	4.41
		291	687.52	47.08	-388.46	-150.70	-190.68	216.85	58.57	-5.14	-2.99	56.42	-11.51
		119	636.22	47.58	-360.55	-141.36	-171.61	203.50	70.77	19.91	19.97	70.71	-1.72
78	2	433	1347.28	431.73	-112.96	38.15	280.61	-243.87	151.54	-23.45	-22.83	150.92	-10.38
		413	1431.82	649.07	-112.48	109.79	426.81	-346.21	163.85	6.66	7.13	163.39	8.51
		291	1686.80	703.82	-5.89	271.13	426.81	-346.21	206.18	16.43	17.79	204.82	-16.01
		119	1584.05	487.28	-7.17	199.49	280.61	-243.87	198.14	-17.95	-12.16	192.35	-34.90
79	1	91	833.13	-25.11	-472.92	-266.21	-231.82	223.24	80.27	46.76	56.15	70.88	-15.05
		90	1093.85	-29.29	-585.89	-304.74	-310.45	278.29	101.93	36.87	67.97	70.83	-32.50
		230	1111.85	224.42	-455.23	79.64	-310.45	278.29	-75.87	-125.95	-83.46	-118.35	17.96
		120	1111.24	226.83	-340.48	118.16	-231.82	223.24	-69.56	-144.03	-95.28	-118.31	35.41
79	2	91	1499.67	539.76	82.27	82.64	539.39	-12.97	171.25	-7.51	13.93	149.80	-58.08
		90	2478.31	1559.47	187.67	452.64	1294.50	-541.55	219.54	143.24	144.13	218.65	-8.19
		230	1663.38	1534.49	72.46	312.44	1294.50	-541.55	95.07	-33.85	-9.95	71.18	50.09
		120	1269.28	539.67	-57.84	-57.56	539.39	-12.97	2.33	-140.15	-140.15	2.33	0.20
80	1	90	863.53	153.58	-414.18	-34.05	-226.55	267.06	89.28	31.96	76.82	44.42	-23.64
		528	1016.11	153.58	-236.84	24.26	-107.53	183.75	172.06	118.85	167.48	123.43	14.93
		290	1415.09	-51.55	-710.69	-654.71	-107.53	183.75	194.43	-3.39	128.63	62.42	93.20
		230	1115.87	-108.56	-831.02	-713.03	-226.55	267.06	71.75	-50.38	37.96	-16.60	54.63
80	2	90	2249.89	1406.11	-202.11	446.99	757.00	-789.03	190.17	72.52	75.26	187.43	-17.72
		528	1377.81	409.99	-218.13	114.14	77.72	-313.53	209.44	115.01	120.33	204.12	-21.78
		290	1071.25	765.21	-65.26	622.22	77.72	-313.53	105.07	27.22	28.07	104.22	8.09
		230	1776.19	1651.26	60.82	955.07	757.00	-789.03	88.93	-18.40	-17.01	87.54	12.15
81	1	221	446.64	-71.25	-165.34	-84.03	-152.56	-32.25	-23.40	-66.43	-33.71	-56.11	18.37

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		432	504.09	-109.15	-204.28	-109.30	-204.13	3.85	-7.46	-62.79	-19.63	-50.61	22.93
		433	608.52	71.07	-204.18	71.01	-204.13	3.85	-27.90	-83.10	-41.72	-69.28	23.91
		431	544.15	100.39	-156.67	96.28	-152.56	-32.25	-43.74	-86.84	-55.79	-74.79	19.35
81	2	221	473.83	99.41	-299.15	-210.26	10.52	165.91	-20.45	-34.44	-25.11	-29.78	6.59
		432	662.60	388.28	-51.39	-33.78	370.67	-86.20	33.97	-24.93	18.18	-9.15	26.09
		433	636.66	393.19	40.75	63.27	370.67	-86.20	6.51	-48.15	-15.09	-26.55	26.72
		431	542.38	125.72	-228.41	-113.21	10.52	165.91	-43.64	-61.92	-58.38	-47.18	7.23
82	1	56	1135.51	365.65	-730.18	324.05	-688.58	-209.41	76.77	-152.35	26.68	-102.26	-94.69
		490	644.00	476.55	36.48	324.05	188.97	-209.41	56.74	-118.14	-47.90	-13.50	-85.73
		489	458.12	372.08	-50.52	132.58	188.97	-209.41	-5.14	-98.46	-48.40	-55.20	-46.54
		488	1056.95	182.91	-738.90	132.58	-688.58	-209.41	42.69	-160.47	26.19	-143.96	-55.50
82	2	56	723.97	38.84	-737.10	4.25	-702.50	-160.14	68.97	-45.59	-43.69	67.08	-14.62
		490	235.07	298.24	-82.98	4.25	211.02	-160.14	1.75	-2.38	0.82	-1.45	-1.72
		489	417.57	295.66	-91.94	-7.29	211.02	-160.14	66.90	-5.03	13.31	48.56	-31.35
		488	822.76	27.83	-737.62	-7.29	-702.50	-160.14	129.28	-43.40	-31.20	117.08	-44.25
83	1	68	1185.03	96.80	-753.78	46.56	-703.53	-200.52	106.02	-188.76	41.12	-123.86	-122.14
		494	800.88	338.83	-91.01	46.56	201.26	-200.52	89.17	-151.83	-50.08	-12.59	-119.03
		493	566.83	331.95	-106.40	24.29	201.26	-200.52	10.62	-129.73	-54.73	-64.39	-70.01
		492	1149.82	75.88	-755.12	24.29	-703.53	-200.52	59.23	-198.42	36.47	-175.66	-73.12
83	2	68	592.20	-12.56	-745.20	-49.28	-708.48	-159.85	61.80	-45.27	-22.88	39.40	-43.55
		494	421.07	295.21	-123.46	-49.28	221.03	-159.85	44.13	-41.25	-1.06	3.94	-42.62
		493	506.97	299.22	-105.76	-27.57	221.03	-159.85	74.79	-43.91	2.36	28.51	-57.89
		492	666.04	8.09	-744.14	-27.57	-708.48	-159.85	94.38	-49.86	-19.46	63.98	-58.83
84	1	80	1555.10	6.06	-915.89	-38.24	-871.58	-197.20	128.35	-281.02	86.33	-239.00	-124.25
		498	1068.85	342.79	-140.30	-38.24	240.74	-197.20	145.45	-212.54	-36.39	-30.70	-178.97
		497	681.02	342.08	-142.97	-41.62	240.74	-197.20	36.50	-144.01	-65.30	-42.21	-89.51
		496	1372.35	2.85	-916.06	-41.62	-871.58	-197.20	61.30	-254.39	57.41	-250.51	-34.79
84	2	80	990.85	-15.38	-916.57	-47.73	-884.22	-167.66	159.32	-65.90	-38.90	132.33	-73.15
		498	391.76	332.91	-121.58	-47.73	259.06	-167.66	33.07	-25.01	-23.87	31.94	-8.04
		497	434.66	332.45	-123.96	-50.57	259.06	-167.66	37.40	-65.47	1.51	-29.58	-49.03
		496	847.87	-18.11	-916.67	-50.57	-884.22	-167.66	150.32	-93.04	-13.53	70.81	-114.14
85	1	225	5251.84	14.94	-908.54	-905.82	12.22	50.08	8.78	-15.46	-12.56	5.88	-7.86
		228	5091.00	34.69	-896.80	-895.46	33.35	35.28	10.96	-10.78	-9.04	9.22	-5.90
		898	6125.41	34.57	-991.17	-989.96	33.35	35.28	22.44	-8.24	-7.53	21.73	-4.63
		897	6217.19	14.69	-1002.78	-1000.31	12.22	50.08	19.79	-12.45	-11.05	18.39	-6.59
85	2	225	4497.03	22.51	-750.67	-744.38	16.22	69.47	8.76	-14.28	-11.47	5.94	-7.55
		228	4352.51	38.70	-739.54	-735.40	34.56	56.64	10.93	-9.68	-8.03	9.27	-5.61
		898	5319.40	38.38	-805.21	-801.39	34.56	56.64	22.48	-7.12	-6.47	21.84	-4.32
		897	5385.82	22.02	-816.18	-810.38	16.22	69.47	19.82	-11.23	-9.91	18.50	-6.26
86	1	222	4693.27	23.96	-823.56	-814.62	15.02	86.57	9.36	-14.24	-10.68	5.81	-8.44
		225	4570.47	29.46	-819.48	-811.47	21.46	82.07	11.59	-10.12	-7.62	9.09	-6.93
		897	5510.10	28.94	-878.01	-870.52	21.46	82.07	22.68	-7.28	-6.29	21.69	-5.34
		896	5564.08	23.38	-882.03	-873.67	15.02	86.57	20.01	-10.95	-9.36	18.41	-6.85
86	2	222	3781.36	41.97	-639.01	-618.61	21.57	116.09	9.36	-12.91	-9.39	5.84	-8.12
		225	3694.31	46.68	-634.38	-615.54	27.84	111.70	11.59	-8.87	-6.46	9.18	-6.60
		897	4565.43	46.01	-658.61	-640.43	27.84	111.70	22.71	-5.90	-5.01	21.83	-4.95
		896	4569.54	41.25	-663.18	-643.50	21.57	116.09	19.99	-9.44	-7.94	18.49	-6.48
87	1	219	3686.75	24.22	-675.91	-659.12	7.43	107.14	9.39	-10.06	-6.94	6.27	-7.13
		222	3363.92	12.76	-686.87	-666.49	-7.62	117.67	12.19	-5.36	-2.03	8.86	-6.88
		896	4453.55	13.47	-664.08	-642.99	-7.62	117.67	24.65	-4.25	-3.28	23.67	-5.22
		895	4707.00	24.81	-652.99	-635.61	7.43	107.14	22.07	-9.18	-8.19	21.08	-5.47
87	2	219	2559.33	75.45	-452.45	-402.67	25.67	154.28	9.47	-8.84	-5.51	6.14	-7.06
		222	2618.20	66.53	-468.79	-410.97	8.72	166.15	12.22	-4.52	-1.22	8.91	-6.66
		896	3411.88	72.35	-425.07	-361.43	8.72	166.15	24.25	-2.79	-1.88	23.34	-4.88
		895	3541.16	80.56	-408.01	-353.12	25.67	154.28	21.57	-7.18	-6.17	20.57	-5.27
88	1	78	4809.45	0.75	-518.65	-508.52	-9.38	71.83	41.06	5.09	10.01	36.14	12.36
		219	3153.22	-45.92	-567.51	-539.94	-73.49	116.71	21.36	13.11	15.10	19.36	3.53
		895	3194.45	-17.73	-317.74	-261.98	-73.49	116.71	29.49	-0.43	0.86	28.20	-6.08
		3	5165.28	11.90	-251.84	-230.56	-9.38	71.83	45.13	-4.38	-4.23	44.97	2.75
88	2	78	4026.28	90.05	-280.76	-156.35	-34.36	175.08	36.32	6.52	10.49	32.35	10.12
		219	2208.60	87.16	-305.16	-165.33	-52.67	187.90	19.24	13.46	14.59	18.11	2.30
		895	3611.34	221.74	-181.34	93.08	-52.67	187.90	27.83	1.16	2.40	26.60	-5.60
		3	4452.38	221.75	-154.05	102.05	-34.36	175.08	40.95	-1.82	-1.70	40.84	2.22
89	1	74	1297.10	214.06	-602.27	-535.27	147.06	-224.06	-88.89	-186.65	-126.27	-149.28	47.51
		138	2299.75	12.97	-632.86	-611.63	-8.27	-115.16	189.62	-187.80	24.32	-22.50	187.25
		85	2454.35	85.72	-149.38	-55.39	-8.27	-115.16	375.64	-7.13	139.14	229.37	185.99
		443	1012.04	316.78	-148.76	20.96	147.06	-224.06	118.99	-27.84	-11.44	102.60	46.25
89	2	74	3549.13	232.07	-1804.85	223.09	-1795.87	134.95	-166.60	-344.74	-166.61	-344.73	1.38
		138	2629.70	623.69	-1183.72	556.84	-1116.88	-341.10	97.76	-244.45	12.93	-159.62	147.76
		85	3257.61	340.06	-1196.73	260.21	-1116.87	-341.10	337.28	-77.76	122.22	137.30	207.38
		443	2096.55	-63.03	-1806.39	-73.54	-1795.88	134.94	8.62	-113.75	-57.32	-47.81	61.00
90	1	369	483.42	-6.04	-61.04	-8.71	-58.37	11.83	51.03	-31.19	-29.43	49.26	-11.92

		367	572.72	-5.94	-60.46	-8.49	-57.91	11.51	50.44	-51.10	-51.00	50.34	-3.20
		378	573.64	19.19	-59.63	17.47	-57.91	11.51	62.73	-32.68	-32.40	62.45	-5.14
		374	500.87	19.05	-60.17	17.24	-58.37	11.83	63.94	-13.40	-10.83	61.37	-13.86
90	2	369	364.07	37.59	-190.11	-101.29	-51.22	111.06	40.85	-6.15	-5.49	40.19	-5.52
		367	340.23	35.94	-211.28	-108.82	-66.52	121.79	28.44	-18.61	-18.48	28.30	-2.52
		378	436.79	35.10	-212.49	-110.87	-66.52	121.79	44.91	-10.82	-8.85	42.94	-10.30
		374	470.68	36.80	-191.36	-103.35	-51.22	111.06	58.11	0.86	4.14	54.83	-13.30
91	1	443	893.64	55.54	-19.88	-18.81	54.48	-8.89	154.59	28.55	47.58	135.56	45.13
		85	868.31	54.34	-20.23	-19.33	53.43	-8.16	150.82	26.49	53.46	123.85	51.24
		370	782.64	54.04	-57.27	-56.67	53.43	-8.16	139.02	45.37	56.35	128.04	30.13
		366	832.37	55.19	-56.87	-56.16	54.48	-8.89	145.80	44.42	50.48	139.75	24.02
91	2	443	1121.73	278.31	-254.43	264.59	-240.71	84.39	158.50	5.68	40.48	123.71	64.08
		85	1162.20	249.24	-429.16	197.43	-377.35	180.18	158.26	20.75	75.79	103.23	67.37
		370	971.09	168.66	-436.81	109.20	-377.35	180.18	125.10	30.97	45.38	110.69	33.90
		366	1103.81	192.78	-257.14	176.36	-240.71	84.38	138.47	2.77	10.07	131.17	30.61
92	1	366	609.32	110.16	-51.63	-49.87	108.40	16.79	94.15	34.79	38.10	90.84	13.62
		370	681.43	110.11	-51.67	-49.90	108.34	16.84	105.37	24.47	38.99	90.85	31.04
		382	662.99	109.60	-116.41	-115.15	108.34	16.84	105.44	42.90	52.56	95.78	22.60
		395	615.05	109.66	-116.37	-115.11	108.40	16.79	96.37	51.07	51.67	95.77	5.17
92	2	366	999.39	166.43	-315.45	142.95	-291.96	-103.77	98.79	0.40	3.39	95.79	16.92
		370	968.77	174.83	-308.75	147.92	-281.84	-110.86	101.38	11.33	22.60	90.11	29.80
		382	956.29	205.83	-307.04	180.63	-281.84	-110.86	100.02	18.99	23.57	95.44	18.71
		395	1010.89	197.65	-313.95	175.66	-291.96	-103.77	101.46	4.02	4.37	101.11	5.83
93	1	138	904.18	455.44	-94.47	453.76	-92.79	-30.35	-63.78	-101.07	-90.47	-74.37	16.82
		77	939.96	541.20	3.89	514.43	30.66	-116.90	90.78	-26.47	64.79	-0.47	48.70
		446	1123.20	177.91	-62.15	85.10	30.66	-116.90	79.49	-95.70	-25.88	9.68	85.77
		85	1170.71	31.82	-100.19	24.42	-92.79	-30.35	-43.18	-202.18	-181.14	-64.22	53.88
93	2	138	1873.60	375.43	-786.38	-701.18	290.22	302.87	132.95	-119.08	39.02	-25.15	121.86
		77	1923.20	179.79	-1291.98	-932.25	-179.93	632.48	90.95	-105.49	61.30	-75.84	70.32
		446	2024.01	353.40	-930.01	-396.68	-179.93	632.48	-39.62	-211.23	-95.17	-191.68	54.52
		85	1737.75	441.35	-316.73	-165.60	290.22	302.87	-1.06	-221.38	-81.45	-140.99	106.06
94	1	446	725.65	96.42	-6.15	93.42	-3.14	-17.29	45.56	-76.85	-52.70	21.41	48.72
		445	689.35	89.89	-13.69	88.78	-12.58	-10.67	40.28	-79.97	-36.17	-3.53	57.87
		367	440.55	2.61	-20.08	-4.89	-12.58	-10.67	43.11	-38.96	-35.69	39.83	16.06
		369	620.04	15.65	-19.05	-0.25	-3.14	-17.29	65.17	-52.62	-52.22	64.77	6.91
94	2	446	1081.53	-42.42	-437.81	-298.89	-181.34	188.75	29.32	-96.08	-37.58	-29.18	62.56
		445	1257.63	-44.44	-456.50	-305.72	-195.22	198.49	15.29	-132.23	-49.45	-67.49	73.21
		367	572.00	42.05	-361.26	-123.99	-195.22	198.49	9.83	-29.39	-18.14	-1.42	17.74
		369	447.87	42.21	-340.72	-117.17	-181.34	188.75	38.02	-7.40	-6.27	36.89	7.09
95	1	85	698.30	68.31	-51.11	54.62	-37.42	-38.05	70.90	-43.14	-36.29	64.06	27.09
		446	932.23	65.01	-52.82	52.97	-40.79	-35.69	30.41	-121.72	-116.35	25.04	28.06
		369	619.33	85.44	-50.88	75.35	-40.79	-35.69	62.11	-38.73	-37.93	61.32	-8.93
		370	573.33	88.50	-48.92	77.01	-37.42	-38.05	101.97	40.49	42.13	100.33	-9.90
95	2	85	1104.27	112.49	-468.56	-297.82	-58.26	264.68	75.55	-39.87	-10.31	46.00	50.38
		446	1206.73	116.12	-447.56	-289.70	-41.74	253.10	39.98	-90.25	-56.78	6.51	56.91
		369	700.57	116.17	-447.42	-289.51	-41.74	253.10	45.64	-3.79	-2.08	43.92	9.05
		370	708.52	112.54	-468.43	-297.63	-58.26	264.68	83.57	44.23	44.39	83.41	2.52
96	1	370	519.64	94.49	-52.00	85.46	-42.97	-35.23	70.06	-3.82	-3.16	69.40	-6.94
		369	551.79	59.68	-95.47	59.67	-95.46	1.56	62.11	-13.58	-13.24	61.76	-5.11
		374	470.35	49.99	-95.47	49.97	-95.45	1.56	52.09	-10.40	-8.78	50.46	-9.93
		382	433.96	85.43	-52.64	75.77	-42.97	-35.23	60.44	-1.04	1.30	58.10	-11.76
96	2	370	825.70	263.79	-263.44	-239.53	239.88	109.69	74.30	7.34	7.35	74.29	0.86
		369	697.62	203.54	-357.78	-290.48	136.24	182.35	62.32	13.95	14.14	62.12	-3.06
		374	611.03	207.23	-332.17	-261.18	136.24	182.35	49.13	3.47	5.37	47.23	-9.13
		382	743.09	265.19	-235.55	-210.24	239.88	109.69	59.84	-1.86	-1.41	59.39	-5.22
97	1	282	720.13	-27.88	-278.66	-67.04	-239.50	91.04	9.33	-81.29	-46.07	-25.89	44.17
		89	902.41	-28.72	-299.96	-74.32	-254.36	101.44	22.05	-98.31	-40.02	-36.25	60.15
		91	1010.86	-102.56	-322.14	-170.34	-254.36	101.44	132.87	23.01	37.68	118.20	-37.38
		414	1138.74	-102.55	-300.02	-163.06	-239.50	91.04	152.17	8.02	31.63	128.56	-53.35
97	2	282	941.64	567.94	60.73	157.88	470.79	-199.59	56.50	-70.30	-46.47	32.67	49.54
		89	1453.31	1041.34	66.85	315.57	792.62	-424.87	35.92	-87.03	-59.56	8.45	51.21
		91	1916.91	1048.95	88.39	344.72	792.62	-424.87	150.30	-17.56	-2.65	135.39	-47.75
		414	1576.26	573.79	84.02	187.02	470.79	-199.59	174.50	-4.45	10.45	159.60	-49.43
98	1	121	430.57	169.03	-65.58	136.50	-33.05	81.08	52.59	11.48	12.57	51.50	-6.62
		123	650.17	174.19	0.85	160.04	14.99	47.45	38.91	-54.70	-44.54	28.74	-29.12
		124	451.93	34.54	-100.21	-80.67	14.99	47.45	74.47	10.68	19.43	65.72	-21.95
		77	579.55	19.92	-157.17	-104.20	-33.05	81.08	88.50	76.51	76.54	88.48	0.55
98	2	121	1426.62	608.78	-148.38	-143.13	603.53	62.81	120.07	-5.41	-5.29	119.94	3.95
		123	1390.61	387.92	-450.47	-315.11	252.56	308.48	149.67	42.61	54.64	137.64	33.81
		124	1233.60	514.23	-111.11	150.56	252.56	308.48	179.25	24.37	26.87	176.75	-19.52
		77	1553.21	616.93	309.14	322.53	603.53	62.81	171.01	-45.01	-33.05	159.06	-49.39
99	1	126	481.43	52.29	-93.27	-50.40	9.41	66.35	62.35	-6.79	10.04	45.51	-29.67

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		127	691.25	50.76	-103.21	-54.16	1.72	71.74	88.09	-19.93	6.33	61.83	-46.34
		128	1136.60	114.64	-43.85	69.07	1.72	71.74	-26.05	-185.73	-84.37	-127.41	76.88
		140	1314.43	114.66	-32.41	72.84	9.41	66.35	-13.47	-210.91	-80.65	-143.73	93.55
99	2	126	1152.55	25.25	-354.66	-107.35	-222.06	181.09	129.37	-9.38	11.85	108.14	-49.95
		127	930.42	27.08	-7.69	7.35	12.04	17.22	159.52	12.58	30.54	141.56	-48.13
		128	842.93	14.99	-88.29	-85.33	12.04	17.22	64.74	-87.09	-24.32	1.97	74.77
		140	1157.16	-29.62	-392.47	-200.04	-222.06	181.09	35.94	-110.41	-43.01	-31.45	72.95
100	1	477	538.39	-2.87	-103.37	-2.92	-103.31	2.40	72.31	-13.78	14.67	43.86	-40.49
		121	862.76	-19.16	-181.60	-34.01	-166.75	46.81	66.23	-72.74	-48.06	41.55	-53.12
		77	690.08	459.57	-170.25	456.08	-166.75	46.81	50.11	3.82	19.51	34.43	-21.91
		138	932.12	487.17	-103.32	487.16	-103.31	2.40	84.05	34.92	82.23	36.74	-9.29
100	2	477	920.67	313.88	-301.64	-155.59	167.83	261.85	129.20	41.97	44.93	126.25	-15.78
		121	1419.91	597.05	51.00	53.50	594.55	-36.85	148.39	15.87	16.68	147.58	-10.36
		77	1852.48	595.62	-674.12	-673.05	594.55	-36.85	201.32	77.16	86.00	192.48	31.92
		138	1494.14	229.51	-943.82	-882.14	167.83	261.85	181.58	103.81	114.24	171.15	26.50
101	1	123	277.48	64.05	-13.09	50.61	0.35	29.26	46.21	7.68	7.94	45.95	3.13
		129	256.96	72.25	44.26	72.16	44.34	-1.54	29.77	-15.34	-14.11	28.55	-7.34
		139	526.23	44.38	-29.45	-29.42	44.34	-1.54	70.22	-17.43	-0.72	53.51	-34.43
		124	475.94	13.61	-64.23	-50.98	0.35	29.26	80.61	11.64	21.33	70.92	-23.96
101	2	123	804.88	-157.83	-243.09	-204.05	-196.87	42.48	117.72	0.36	3.75	114.33	19.65
		129	617.27	-32.10	-164.25	-136.77	-59.57	-53.63	93.91	-9.86	-8.31	92.35	12.62
		139	1055.33	152.28	-73.15	138.70	-59.57	-53.63	148.13	-24.92	-9.42	132.63	-49.42
		124	1262.72	77.99	-203.44	71.43	-196.87	42.48	165.63	-8.39	2.63	154.61	-42.38
102	1	127	676.17	46.32	-189.97	-158.89	15.25	79.86	110.60	41.24	53.77	98.07	-26.69
		130	909.43	31.34	-232.22	-177.71	-23.16	106.75	139.40	64.09	93.00	110.49	-36.63
		74	862.39	204.97	-73.11	155.03	-23.16	106.75	-92.18	-152.09	-110.07	-134.20	27.42
		128	1024.82	207.09	-18.00	173.85	15.25	79.86	-110.58	-185.34	-149.30	-146.62	37.35
102	2	127	979.91	91.08	-113.87	60.64	-83.44	-72.88	150.15	-18.91	7.61	123.63	-61.48
		130	1573.48	687.78	-66.77	272.36	348.65	-375.34	201.07	157.32	157.60	200.79	-3.51
		74	1215.10	538.23	-394.45	-204.86	348.65	-375.34	72.90	-48.33	-16.89	41.46	53.13
		128	1306.98	-68.19	-431.83	-416.58	-83.44	-72.88	-35.52	-167.06	-166.89	-35.70	-4.84
103	1	422	361.21	161.42	-67.57	155.95	-62.10	34.97	48.24	18.85	26.46	40.63	-12.88
		423	317.98	181.83	-9.34	181.81	-9.32	-1.97	7.09	-29.69	-15.58	-7.02	-17.89
		425	2171.77	-9.24	-58.82	-58.74	-9.32	-1.97	348.38	-25.48	103.29	219.61	-177.65
		269	2352.83	-36.61	-110.09	-84.60	-62.10	34.97	389.38	23.21	145.33	267.25	-172.64
103	2	422	894.73	473.10	145.09	304.00	314.19	-163.93	90.31	22.97	40.16	73.13	-29.36
		423	782.65	158.66	-340.50	40.90	-222.75	211.92	67.67	13.88	32.32	49.23	-25.53
		425	2086.59	1.36	-423.15	-199.05	-222.75	211.92	274.84	-8.22	84.24	182.39	-132.75
		269	2175.50	395.31	-17.08	64.04	314.19	-163.93	297.22	1.15	92.08	206.28	-136.58
104	1	421	2588.23	275.48	64.36	107.13	232.71	-84.86	402.76	20.77	178.00	245.53	-187.99
		426	2454.53	103.59	42.99	43.58	103.00	5.94	422.58	44.67	205.56	261.69	-186.86
		428	1648.29	103.23	-49.46	-49.22	103.00	5.94	265.99	-10.24	114.02	141.73	-137.42
		322	1802.43	261.80	-14.76	14.33	232.71	-84.86	245.93	-33.91	86.45	125.57	-138.54
104	2	421	1964.17	157.25	24.33	61.12	120.46	-59.47	306.68	6.40	123.07	190.01	-146.37
		426	1845.49	29.94	13.83	15.80	27.97	5.27	326.50	45.58	159.38	212.69	-137.91
		428	1111.67	28.56	-18.86	-18.27	27.97	5.27	188.26	6.58	82.41	112.44	-89.59
		322	1259.06	149.37	-1.86	27.05	120.46	-59.47	168.38	-32.53	46.10	89.75	-98.05
105	1	176	1507.88	99.01	-237.91	-93.71	-45.20	166.70	145.56	-85.29	24.55	35.73	-115.29
		422	1219.88	105.52	-160.48	-66.10	11.14	127.27	65.83	-132.89	-79.77	12.70	-87.95
		269	2425.05	575.76	-17.54	547.07	11.14	127.27	411.58	83.35	190.54	304.39	-153.93
		320	2794.45	565.01	-90.74	519.47	-45.20	166.70	493.13	129.13	294.85	327.41	-181.27
105	2	176	1099.57	76.51	-190.47	43.52	-157.48	87.87	162.89	27.70	78.88	111.70	-65.57
		422	1280.01	420.95	48.51	235.38	234.08	-186.22	106.82	-77.72	-37.14	66.23	-76.44
		269	2117.56	487.92	97.47	351.31	234.08	-186.22	304.26	42.54	131.63	215.17	-124.01
		320	2050.11	182.18	-180.21	159.45	-157.48	87.87	367.48	140.81	247.65	260.64	-113.15
106	1	423	226.75	112.01	20.49	110.82	21.68	10.36	13.85	-12.47	13.78	-12.40	1.28
		420	528.19	95.88	-225.01	24.78	-153.91	133.27	-8.22	-50.47	-9.23	-49.46	6.45
		321	2103.62	-6.50	-274.40	-126.98	-153.91	133.27	298.26	-14.48	105.10	178.68	-151.98
		425	1992.78	23.35	-42.61	-40.94	21.68	10.36	335.07	8.77	128.11	215.73	-157.16
106	2	423	642.61	-6.55	-389.45	-94.08	-301.92	160.79	55.63	31.80	41.60	45.83	-11.73
		420	546.39	332.05	-16.64	139.87	175.54	-173.43	28.94	-9.63	9.11	10.20	-19.28
		321	1857.64	331.80	-16.94	139.32	175.54	-173.43	244.27	-17.33	78.03	148.91	-125.91
		425	1941.06	-6.98	-389.58	-94.63	-301.92	160.79	271.54	23.53	110.53	184.54	-118.36
107	1	426	2203.02	160.66	-49.12	-44.07	155.61	32.16	402.17	92.45	236.58	258.04	-154.49
		430	2404.79	157.44	-52.20	-46.14	151.38	35.12	456.93	210.12	379.57	287.48	-114.49
		266	2175.86	158.73	-16.45	-9.11	151.38	35.12	316.77	-70.03	116.32	130.42	-193.27
		428	2538.71	161.74	-13.16	-7.03	155.61	32.16	279.00	-204.69	-26.67	100.97	-233.27
107	2	426	1755.72	59.65	-81.31	-80.33	58.67	11.70	313.42	51.78	159.05	206.15	-128.68
		430	2252.39	529.76	-32.31	90.38	407.07	-232.18	343.81	135.74	247.98	231.57	-103.71
		266	1935.44	543.11	10.79	146.83	407.07	-232.18	223.71	-25.15	85.07	113.49	-123.62
		428	1642.12	60.30	-25.51	-23.88	58.67	11.70	197.63	-113.42	-3.85	88.06	-148.58
108	1	430	2265.62	242.52	-38.05	208.08	-3.61	-92.06	322.60	-29.44	201.75	91.42	-167.15

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		176	1762.03	141.39	-139.84	141.35	-139.81	3.27	320.90	207.07	301.42	226.55	-42.87
		320	3414.90	-139.78	-619.45	-619.43	-139.81	3.27	520.04	470.39	517.81	472.62	10.29
		266	2885.92	11.41	-567.72	-552.69	-3.61	-92.06	498.73	256.89	418.14	337.49	-114.00
108	2	430	2151.20	712.27	219.30	466.32	465.25	-246.48	268.18	27.87	167.04	129.00	-118.64
		176	1493.83	261.83	-27.94	236.88	-2.99	81.28	267.50	164.12	224.17	207.44	-51.01
		320	2564.08	4.52	-883.24	-875.73	-2.99	81.28	343.07	313.79	335.77	321.09	-12.67
		266	2088.88	517.45	-698.50	-646.29	465.25	-246.48	342.94	178.35	278.64	242.65	-80.30
109	1	130	707.52	136.39	-29.20	84.47	22.72	76.82	104.69	3.17	62.49	45.37	-50.03
		477	1179.72	136.52	92.80	124.63	104.68	19.45	194.99	150.38	193.98	151.39	6.64
		138	1615.56	105.25	-554.63	-554.06	104.68	19.45	213.26	0.66	139.28	74.64	101.27
		74	836.54	32.14	-603.64	-594.22	22.72	76.82	36.91	-60.50	7.80	-31.38	44.59
109	2	130	1336.70	575.56	-41.37	249.20	284.98	-307.95	187.66	103.24	103.27	187.63	1.56
		477	1324.98	-6.16	-381.65	-54.00	-333.80	125.20	191.45	111.82	116.26	187.01	-18.27
		138	901.66	430.70	-354.31	410.19	-333.80	125.20	72.22	27.64	29.69	70.16	9.35
		74	1086.79	874.31	124.07	713.40	284.98	-307.95	83.52	3.96	16.70	70.78	29.18
110	1	65	470.27	174.25	-151.39	-54.70	77.56	-148.79	-4.42	-36.84	-13.65	-27.61	14.63
		136	452.25	146.09	-151.43	-63.97	58.63	-135.54	-0.26	-35.73	-7.60	-28.39	14.37
		123	472.13	249.27	-37.74	152.89	58.63	-135.54	-27.03	-50.96	-31.06	-46.93	8.95
		121	512.11	274.55	-34.83	162.16	77.56	-148.79	-31.37	-51.89	-37.11	-46.15	9.21
110	2	65	1610.23	8.29	-945.89	-106.30	-831.30	310.17	-87.38	-155.02	-88.07	-154.33	-6.83
		136	1137.46	121.24	-368.21	120.82	-367.79	-14.29	24.91	-114.31	7.71	-97.12	45.81
		123	1005.21	-237.31	-369.35	-238.87	-367.79	-14.29	30.09	-120.26	-5.97	-84.21	64.19
		121	1613.81	-288.69	-1008.60	-465.99	-831.30	310.17	-98.63	-144.54	-101.75	-141.42	11.55
111	1	135	512.81	135.20	-45.28	62.57	27.35	-88.50	15.30	-49.44	-28.71	-5.43	30.21
		137	612.33	135.62	-45.24	62.72	27.65	-88.71	16.34	-65.43	-29.97	-19.13	40.52
		127	928.33	85.79	-107.71	-49.57	27.65	-88.71	139.49	14.84	38.44	115.89	-48.84
		126	1059.02	85.35	-107.71	-49.72	27.35	-88.50	158.93	10.35	39.70	129.59	-59.15
111	2	135	810.86	-3.88	-40.10	-6.84	-37.14	9.92	-18.91	-138.52	-69.95	-87.48	59.16
		137	1204.64	-7.00	-249.62	-76.77	-179.85	109.82	3.74	-158.23	-55.97	-98.52	78.15
		127	748.74	-13.07	-252.16	-85.38	-179.85	109.82	80.97	-6.52	12.17	62.28	-35.86
		126	755.04	-11.60	-40.99	-15.45	-37.14	9.92	102.23	-30.72	-1.80	73.31	-54.84
112	1	133	658.59	361.05	-3.78	343.19	14.08	-78.72	-20.52	-69.57	-44.70	-45.39	24.53
		65	957.25	413.03	30.20	371.46	71.78	-119.11	111.16	-49.73	74.00	-12.57	67.81
		121	585.23	166.61	-77.81	17.02	71.78	-119.11	51.64	-23.07	4.68	23.89	36.10
		477	708.64	81.15	-78.31	-11.25	14.08	-78.72	-8.44	-114.51	-114.02	-8.93	-7.18
112	2	133	1582.71	247.99	-663.63	-609.78	194.14	214.91	116.95	-116.92	34.71	-34.69	111.67
		65	2102.78	47.63	-1208.98	-855.02	-306.33	565.25	133.56	-120.60	87.21	-74.25	98.14
		121	1489.06	300.44	-832.90	-226.13	-306.33	565.25	-35.51	-115.94	-44.47	-106.99	25.30
		477	918.86	338.67	-125.43	19.10	194.14	214.91	-40.65	-123.74	-96.96	-67.42	38.83
113	1	215	842.91	-65.20	-633.27	-117.85	-580.62	-164.73	-62.22	-255.64	-222.24	-95.63	-73.11
		502	540.11	164.93	-213.81	-117.85	68.96	-164.73	-85.75	-195.44	-170.44	-110.76	46.01
		501	936.45	184.36	-166.19	-50.80	68.96	-164.73	-66.15	-340.42	-68.96	-337.60	27.63
		500	1270.20	-3.76	-627.66	-50.80	-580.62	-164.73	-85.45	-357.79	-120.76	-322.47	-91.49
113	2	215	892.77	-21.58	-633.32	-48.23	-606.67	-124.88	44.73	-235.01	-143.11	-47.17	-131.39
		502	479.52	155.23	-124.87	-48.23	78.59	-124.88	-40.10	-149.59	-126.58	-63.11	-44.61
		501	664.83	164.51	-102.91	-16.99	78.59	-124.88	-35.34	-252.78	-53.42	-234.69	-60.05
		500	1222.98	8.37	-632.02	-16.99	-606.67	-124.88	20.24	-308.95	-69.95	-218.76	-146.82
114	1	227	2163.05	-167.96	-636.19	-223.61	-580.54	-151.53	322.77	-477.88	144.82	-299.92	-332.88
		507	1920.71	126.95	-289.11	-223.61	61.45	-151.53	325.78	-430.04	-12.62	-91.63	-375.84
		506	1316.54	161.53	-167.98	-67.90	61.45	-151.53	-4.84	-461.68	-92.87	-373.65	-180.19
		505	2162.30	-26.46	-621.98	-67.90	-580.54	-151.53	92.49	-609.86	64.57	-581.94	-137.23
114	2	227	1845.07	-61.21	-619.23	-82.59	-597.85	-107.12	282.16	-389.98	95.12	-202.95	-301.21
		507	1650.45	123.61	-138.24	-82.59	67.96	-107.12	299.46	-362.53	-5.35	-57.72	-329.96
		506	1155.80	141.32	-88.45	-15.09	67.96	-107.12	64.32	-366.25	-58.67	-243.26	-194.50
		505	1733.36	3.98	-616.91	-15.09	-597.85	-107.12	98.25	-444.94	41.81	-388.49	-165.75
115	1	239	1682.07	-173.11	-616.06	-211.15	-578.02	-124.10	217.24	-373.30	126.45	-282.51	-213.01
		511	1289.03	116.57	-258.14	-211.15	69.57	-124.10	210.19	-299.18	33.83	-122.82	-242.34
		510	1301.57	139.07	-152.03	-82.53	69.57	-124.10	-18.90	-487.09	-39.15	-466.84	-95.24
		509	2148.43	-53.18	-607.37	-82.53	-578.02	-124.10	59.80	-632.86	53.48	-626.54	-65.90
115	2	239	1612.23	8.88	-606.19	-1.72	-595.59	-80.05	224.26	-333.87	101.56	-211.17	-231.14
		511	1294.64	123.81	-52.77	-1.72	72.76	-80.05	235.84	-288.71	30.46	-83.33	-256.03
		510	1076.98	122.59	-55.83	-6.00	72.76	-80.05	28.41	-380.94	-25.65	-326.89	-138.58
		509	1781.80	4.68	-606.26	-6.00	-595.59	-80.05	70.08	-479.36	45.45	-454.73	-113.70
116	1	251	2103.33	-125.84	-585.34	-174.59	-536.59	-141.50	395.57	-401.72	380.86	-387.01	-107.30
		515	1520.34	108.17	-245.40	-174.59	37.36	-141.50	333.21	-285.15	178.26	-130.20	-267.97
		514	1372.91	143.57	-151.16	-44.95	37.36	-141.50	-40.69	-521.36	-42.08	-519.96	-25.85
		513	2690.18	-7.13	-574.41	-44.95	-536.59	-141.50	179.52	-795.78	160.51	-776.78	134.81
116	2	251	2085.84	102.33	-573.98	86.99	-558.64	-100.68	386.73	-346.66	360.85	-320.78	-135.32
		515	1610.34	167.66	-38.66	86.99	42.01	-100.68	366.43	-276.93	182.97	-93.47	-290.47
		514	1109.30	136.20	-65.60	28.60	42.01	-100.68	-5.73	-409.12	-20.73	-394.13	-76.32
		513	2293.88	45.38	-575.42	28.60	-558.64	-100.68	165.05	-629.34	157.15	-621.44	78.83
117	1	263	1046.34	-127.10	-872.57	-148.68	-850.99	-124.99	41.58	-309.67	-131.73	-136.36	175.61

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		519	1471.41	176.86	-196.67	-148.68	128.88	-124.99	145.70	-401.43	-95.39	-160.34	271.63
		518	1734.34	190.29	-125.49	-64.07	128.88	-124.99	99.54	-527.40	-21.21	-406.65	247.23
		517	1598.44	-44.70	-870.36	-64.07	-850.99	-124.99	1.90	-442.12	-57.56	-382.67	151.21
117	2	263	1213.42	19.93	-873.61	-3.17	-850.50	-141.82	131.97	-198.01	-114.96	48.92	143.20
		519	1376.63	198.24	-103.03	-3.17	98.38	-141.82	193.63	-326.47	-90.65	-42.19	258.92
		518	1479.52	203.03	-93.81	10.84	98.38	-141.82	61.54	-463.83	-7.90	-394.40	177.93
		517	1343.84	33.59	-873.25	10.84	-850.50	-141.82	-18.62	-316.87	-32.21	-303.28	62.21
118	1	280	1202.03	-15.59	-1072.64	-257.40	-830.83	-443.99	288.06	87.12	94.06	281.13	-36.68
		523	866.11	162.87	-726.46	-257.40	-306.19	-443.99	227.34	6.99	19.08	215.25	-50.16
		522	1051.16	194.37	-700.01	-199.45	-306.19	-443.99	38.74	-169.95	-33.09	-98.11	-99.15
		521	1105.15	29.64	-1059.92	-199.45	-830.83	-443.99	98.16	-88.51	41.89	-32.24	-85.66
118	2	280	1280.82	101.47	-1417.24	-473.25	-842.53	736.57	105.98	-100.49	-95.37	100.86	-32.10
		523	1044.73	153.54	-1338.82	-473.25	-712.03	736.57	72.41	14.60	14.92	72.09	-4.28
		522	1071.46	454.31	-1177.19	-10.85	-712.03	736.57	43.47	-80.57	28.47	-65.56	-40.45
		521	1310.15	419.16	-1272.53	-10.85	-842.53	736.57	12.59	-131.20	-81.83	-36.79	-68.28
119	1	290	1245.63	-294.04	-1061.47	-585.34	-770.17	-372.42	321.73	85.94	86.55	321.12	-12.00
		528	904.62	-165.69	-915.84	-585.34	-496.19	-372.42	233.27	1.46	2.28	232.45	-13.77
		527	961.05	51.51	-749.43	-201.73	-496.19	-372.42	16.67	-157.37	-39.65	-101.05	-81.42
		526	962.85	-17.46	-954.43	-201.73	-770.17	-372.42	100.71	-68.48	44.62	-12.38	-79.65
119	2	290	1575.19	878.02	-1071.01	651.12	-844.10	625.11	77.84	-142.08	-64.11	-0.13	-105.20
		528	1329.65	1013.31	-427.76	651.12	-65.56	625.11	170.15	-58.81	47.09	64.26	-114.15
		527	1052.38	600.44	-652.29	13.72	-65.56	625.11	67.84	-88.83	24.27	-45.27	-70.20
		526	1098.03	342.92	-1173.30	13.72	-844.10	625.11	-36.00	-160.58	-86.93	-109.65	-61.24
120	1	300	1283.60	-217.41	-1030.32	-457.45	-790.28	-370.83	328.26	95.04	95.29	328.01	-7.66
		532	862.94	-39.56	-786.51	-457.45	-368.62	-370.83	240.63	-3.12	-2.43	239.94	-12.97
		531	909.28	111.90	-654.80	-174.28	-368.62	-370.83	7.70	-158.18	-49.11	-101.37	-78.72
		530	955.33	-0.22	-964.33	-174.28	-790.28	-370.83	97.33	-62.02	48.60	-13.30	-73.42
120	2	300	1494.47	782.64	-1154.72	459.48	-831.55	722.25	67.23	-94.47	-66.34	39.10	-61.29
		532	1291.09	851.66	-870.65	459.48	-478.47	722.25	147.66	11.48	78.16	80.98	-68.07
		531	1055.67	548.10	-986.61	39.96	-478.47	722.25	65.51	-99.82	50.89	-85.20	-46.94
		530	1105.25	447.73	-1239.32	39.96	-831.55	722.25	-66.84	-153.85	-93.60	-127.08	-40.16
121	1	310	1407.21	-192.86	-1005.35	-378.58	-819.64	-341.18	353.82	76.49	78.29	352.02	22.27
		304	954.60	-48.43	-731.15	-378.58	-401.00	-341.18	246.55	-11.94	-11.01	245.62	15.45
		308	856.13	186.02	-599.29	-12.27	-401.00	-341.18	-12.68	-154.14	-60.59	-106.22	-66.95
		307	889.53	112.60	-944.50	-12.27	-819.64	-341.18	76.24	-47.36	28.70	0.17	-60.13
121	2	310	1208.14	575.46	-1047.29	448.43	-920.26	435.90	50.05	-64.43	-52.13	37.75	-35.45
		304	951.14	610.02	-727.40	448.43	-565.80	435.90	112.40	18.43	65.92	64.91	-46.98
		308	782.71	227.62	-805.28	-11.87	-565.80	435.90	41.44	-115.72	32.82	-107.09	-35.79
		307	961.14	163.46	-1095.59	-11.87	-920.26	435.90	-75.26	-144.23	-85.23	-134.26	-24.25
122	1	320	3057.97	-139.02	-2731.07	-349.77	-2520.33	-708.41	551.02	127.08	130.17	547.94	36.02
		176	1539.99	877.64	-758.64	-349.77	468.78	-708.41	367.80	-42.63	-32.00	357.17	65.21
		122	1205.51	996.95	-481.37	46.81	468.78	-708.41	3.79	-169.05	-56.39	-108.87	-82.34
		98	2114.25	229.32	-2702.84	46.81	-2520.33	-708.41	205.99	-18.32	105.77	81.91	-111.52
122	2	320	2187.03	-202.00	-2305.81	-395.84	-2111.98	-608.45	319.82	106.59	108.66	317.74	20.94
		176	1024.00	253.46	-966.02	-395.84	-316.72	-608.45	197.80	28.61	31.56	194.85	22.14
		122	1313.14	728.74	-670.84	374.62	-316.72	-608.45	20.66	-195.62	-10.28	-164.67	-75.73
		98	2064.25	515.52	-2252.88	374.62	-2111.98	-608.45	106.69	-81.65	66.82	-41.78	-76.93
123	1	224	1436.98	-30.50	-802.63	-76.86	-756.27	-183.43	141.34	-268.13	62.61	-189.41	-161.37
		406	1031.44	350.37	-155.62	-76.86	271.62	-183.43	126.81	-214.31	-55.79	-31.71	-170.13
		405	703.10	356.89	-122.97	-37.69	271.62	-183.43	14.25	-191.79	-69.37	-108.16	-101.18
		403	1420.86	6.42	-800.39	-37.69	-756.27	-183.43	74.14	-290.98	49.03	-265.86	-92.41
123	2	224	869.82	-26.91	-774.66	-68.73	-732.84	-171.83	96.54	-119.68	-1.76	-21.38	-107.66
		406	708.88	332.55	-142.31	-68.73	258.97	-171.83	108.75	-86.73	-12.47	34.49	-94.88
		405	583.22	336.16	-123.52	-46.32	258.97	-171.83	75.71	-69.97	-8.47	14.21	-71.95
		403	832.52	-5.72	-773.44	-46.32	-732.84	-171.83	67.82	-107.24	2.24	-41.66	-84.73
124	1	236	1571.65	-62.57	-774.79	-103.78	-733.58	-166.29	172.15	-311.86	77.24	-216.95	-192.17
		113	1110.55	304.03	-171.58	-103.78	236.22	-166.29	155.46	-226.81	-57.25	-14.10	-189.91
		110	688.31	313.78	-120.33	-42.78	236.22	-166.29	15.62	-192.81	-67.57	-109.62	-102.07
		409	1556.70	-4.84	-771.53	-42.78	-733.58	-166.29	93.71	-339.26	66.92	-312.47	-104.33
124	2	236	885.44	-18.77	-740.85	-52.45	-707.17	-152.26	87.56	-127.50	9.09	-49.03	-103.53
		113	684.21	293.28	-119.51	-52.45	226.22	-152.26	98.44	-109.80	-12.04	0.69	-103.92
		110	578.40	295.61	-107.85	-38.46	226.22	-152.26	67.37	-98.58	-14.35	-16.86	-82.96
		409	852.54	-5.42	-740.21	-38.46	-707.17	-152.26	60.46	-120.25	6.79	-66.58	-82.57
125	1	248	1944.90	21.79	-783.80	-6.42	-755.59	-148.08	231.60	-399.07	128.80	-296.27	-232.95
		283	1329.37	311.32	-75.43	-6.42	242.30	-148.08	212.47	-280.77	-58.29	-10.01	-245.43
		161	764.81	312.74	-69.02	1.41	242.30	-148.08	13.05	-238.41	-80.73	-144.63	-121.60
		132	1933.56	29.35	-783.53	1.41	-755.59	-148.08	127.68	-452.21	106.37	-430.89	-109.12
125	2	248	1169.02	165.42	-750.67	147.10	-732.35	-128.22	120.57	-180.18	44.95	-104.56	-130.47
		283	803.40	324.81	54.59	147.10	232.29	-128.22	134.00	-144.88	-12.75	1.86	-139.25
		161	584.57	298.02	-17.83	47.90	232.29	-128.22	62.26	-126.29	-22.39	-41.64	-93.78
		132	1095.19	68.43	-752.88	47.90	-732.35	-128.22	68.66	-181.41	35.32	-148.07	-85.00
126	1	260	2683.26	282.70	-641.58	255.08	-613.97	-157.36	410.88	-516.50	354.87	-460.49	-220.93

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		287	1833.77	387.46	68.02	255.08	200.39	-157.36	348.69	-366.19	-44.47	26.97	-355.65
		286	944.50	315.59	-14.57	100.63	200.39	-157.36	-43.90	-341.89	-144.46	-241.33	-140.90
		285	2809.69	133.75	-647.09	100.63	-613.97	-157.36	254.92	-728.83	254.88	-728.79	-6.17
126	2	260	1722.21	552.98	-599.65	538.58	-585.25	-128.02	222.28	-246.12	184.32	-208.17	-127.82
		287	1139.17	580.93	151.53	538.58	193.87	-128.02	215.39	-197.24	-4.49	22.64	-205.87
		286	643.92	328.52	72.16	206.81	193.87	-128.02	25.48	-187.57	-58.87	-103.22	-104.20
		285	1602.50	226.99	-605.43	206.81	-585.25	-128.02	131.42	-335.50	129.95	-334.03	-26.15
127	1	272	1210.49	-40.38	-1373.77	-84.80	-1329.34	-239.29	38.68	-251.83	-74.45	-138.70	141.66
		372	1098.22	435.92	-194.77	-84.80	325.95	-239.29	84.75	-243.72	-82.47	-76.50	164.21
		323	1198.35	452.78	-125.55	1.28	325.95	-239.29	124.03	-255.13	-69.36	-61.74	189.54
		318	1246.59	43.00	-1371.07	1.28	-1329.34	-239.29	77.27	-262.54	-61.34	-123.94	167.00
127	2	272	1379.13	318.93	-1353.33	270.75	-1305.15	-279.73	82.49	-79.35	-68.09	71.23	41.18
		372	957.73	556.09	-3.49	270.75	281.85	-279.73	113.96	-150.74	-45.76	8.98	129.49
		323	875.82	495.90	-83.72	130.33	281.85	-279.73	63.29	-154.24	-11.89	-79.06	103.45
		318	1007.08	182.92	-1357.73	130.33	-1305.15	-279.73	-8.05	-42.98	-34.22	-16.81	15.14
128	1	216	4077.26	19.55	-333.09	-311.27	-2.27	-84.97	30.42	4.61	27.94	7.09	7.60
		75	1.034e+04	-113.60	-366.10	-365.91	-113.79	-6.91	99.15	10.20	99.14	10.21	0.72
		2	4125.22	-51.75	-114.56	-52.52	-113.79	-6.91	41.55	-1.76	41.54	-1.75	0.69
		894	3236.37	84.92	-85.07	2.12	-2.27	-84.97	-2.73	-31.79	-29.66	-4.86	7.57
128	2	216	3423.00	397.92	-16.00	380.18	1.75	-83.84	25.27	7.60	23.45	9.42	5.36
		75	8964.34	299.20	-171.82	296.47	-169.09	35.74	84.92	15.52	84.92	15.52	0.40
		2	5172.12	343.99	-171.58	341.50	-169.09	35.74	36.29	1.15	36.09	1.35	2.69
		894	4342.20	441.21	-14.25	425.21	1.75	-83.84	-2.22	-27.91	-25.38	-4.74	7.65
129	1	213	2279.86	20.61	-384.34	-347.81	-15.91	-116.01	7.52	-9.05	-6.65	5.12	5.83
		216	2729.18	49.23	-381.69	-337.53	5.06	-130.69	11.34	-9.04	-1.86	4.15	9.74
		894	2301.44	43.85	-435.31	-396.52	5.06	-130.69	12.51	-2.79	-0.24	9.96	5.71
		893	2785.26	15.92	-438.64	-406.80	-15.91	-116.01	11.13	-5.23	-5.03	10.92	1.80
129	2	213	2908.85	393.18	-61.62	351.14	-19.58	-131.73	7.40	-7.81	-5.48	5.07	5.47
		216	3060.40	403.62	-55.77	356.50	-8.65	-139.38	11.42	-7.79	-0.63	4.25	9.29
		894	2168.12	151.99	-129.59	31.05	-8.65	-139.38	13.29	-1.45	0.96	10.88	5.44
		893	1908.77	136.72	-130.61	25.69	-19.58	-131.73	11.87	-4.06	-3.89	11.70	1.63
130	1	210	3507.90	3.86	-600.47	-582.30	-14.31	-103.21	4.01	-10.03	-9.98	3.96	0.84
		213	3275.94	69.80	-587.81	-556.45	38.44	-140.13	5.83	-8.85	-7.43	4.42	4.33
		893	4344.16	64.83	-705.55	-679.15	38.44	-140.13	17.73	-3.93	-3.74	17.53	2.07
		892	4533.06	0.78	-720.09	-705.00	-14.31	-103.21	17.16	-6.38	-6.29	17.08	-1.43
130	2	210	1694.37	149.06	-111.09	59.09	-21.13	-123.74	4.23	-8.77	-8.73	4.19	0.72
		213	2121.65	225.89	-104.25	86.61	35.03	-163.04	6.35	-7.15	-5.77	4.97	4.09
		893	2831.92	108.55	-326.52	-252.99	35.03	-163.04	18.31	-2.69	-2.47	18.09	2.15
		892	2984.12	28.43	-330.07	-280.51	-21.13	-123.74	17.37	-5.50	-5.43	17.31	-1.22
131	1	207	4762.16	-3.53	-827.91	-821.80	-9.64	-70.68	5.55	-12.33	-11.79	5.02	-3.04
		210	4542.10	64.47	-807.40	-792.70	49.76	-112.27	7.59	-7.96	-7.96	7.59	-0.10
		892	5585.04	62.89	-910.52	-897.39	49.76	-112.27	20.27	-5.63	-5.63	20.27	-0.27
		891	5723.23	-4.22	-931.92	-926.50	-9.64	-70.68	18.07	-9.84	-9.46	17.69	-3.21
131	2	207	2524.73	16.86	-283.13	-249.04	-17.24	-95.21	5.66	-11.09	-10.61	5.17	-2.82
		210	2339.72	108.64	-277.97	-217.16	47.83	-140.75	7.94	-6.40	-6.40	7.94	3.56e-03
		892	4096.17	81.92	-533.40	-499.31	47.83	-140.75	20.61	-4.44	-4.44	20.61	0.05
		891	4188.91	-0.17	-548.26	-531.19	-17.24	-95.21	18.13	-8.93	-8.65	17.84	-2.77
132	1	204	5612.04	-1.34	-995.76	-994.78	-2.32	-31.17	6.88	-14.39	-13.01	5.50	-5.23
		207	5394.01	52.94	-974.21	-969.84	48.58	-66.80	9.08	-9.24	-8.85	8.68	-2.67
		891	6315.85	52.66	-1045.85	-1041.77	48.58	-66.80	21.24	-7.29	-7.14	21.09	-2.09
		890	6457.50	-1.41	-1067.63	-1066.71	-2.32	-31.17	18.64	-12.02	-11.30	17.91	-4.65
132	2	204	3619.89	-3.88	-505.27	-498.46	-10.69	-58.04	6.82	-13.17	-11.96	5.61	-4.78
		207	3425.62	67.50	-487.79	-469.24	48.95	-99.79	9.22	-7.83	-7.50	8.89	-2.32
		891	4950.51	62.25	-699.82	-686.52	48.95	-99.79	21.40	-6.19	-6.10	21.31	-1.60
		890	5056.40	-5.94	-720.49	-715.74	-10.69	-58.04	18.58	-11.12	-10.55	18.02	-4.06
133	1	201	5994.59	6.05	-1076.82	-1076.68	5.91	12.25	7.84	-15.57	-13.45	5.72	-6.72
		204	5804.18	44.42	-1058.10	-1057.91	44.23	-14.57	10.00	-10.60	-9.59	8.98	-4.45
		890	6615.22	44.41	-1099.82	-1099.64	44.23	-14.57	21.94	-8.40	-7.97	21.52	-3.56
		889	6735.66	6.05	-1118.55	-1118.41	5.91	12.25	19.35	-12.92	-11.83	18.26	-5.82
133	2	201	4302.57	-2.57	-662.61	-662.23	-2.95	-15.66	7.64	-14.41	-12.55	5.79	-6.12
		204	4125.34	49.76	-641.83	-638.19	46.12	-50.01	9.95	-9.31	-8.47	9.11	-3.95
		890	5437.25	49.08	-799.90	-796.94	46.12	-50.01	21.96	-7.40	-7.10	21.66	-2.96
		889	5531.38	-2.65	-821.28	-820.98	-2.95	-15.66	19.21	-12.05	-11.19	18.34	-5.13
134	1	198	5868.32	18.35	-1059.45	-1056.26	15.16	58.56	8.71	-15.73	-12.89	5.87	-7.83
		201	5721.68	40.26	-1046.39	-1044.76	38.63	42.13	10.80	-11.24	-9.55	9.11	-5.86
		889	6461.24	40.24	-1065.16	-1063.55	38.63	42.13	22.65	-8.60	-7.86	21.91	-4.73
		888	6541.57	18.29	-1078.19	-1075.05	15.16	58.56	20.11	-12.63	-11.20	18.67	-6.70
134	2	198	4505.61	7.11	-727.78	-726.50	5.83	30.59	8.39	-14.64	-12.16	5.91	-7.14
		201	4366.60	41.45	-709.11	-709.07	41.41	5.69	10.61	-10.07	-8.64	9.18	-5.25
		889	5507.09	41.45	-818.87	-818.84	41.41	5.69	22.56	-7.72	-7.17	22.00	-4.06
		888	5566.91	6.94	-837.38	-836.27	5.83	30.59	19.89	-11.84	-10.68	18.73	-5.95
135	1	194	5186.58	32.98	-939.13	-926.81	20.65	108.77	9.55	-14.82	-11.21	5.93	-8.66

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		198	5097.02	41.80	-932.36	-921.68	31.12	101.44	11.61	-10.88	-8.45	9.18	-6.98
		888	5828.27	41.73	-937.96	-927.34	31.12	101.44	23.36	-7.70	-6.67	22.32	-5.58
		887	5849.70	32.91	-944.72	-932.47	20.65	108.77	20.81	-11.17	-9.43	19.07	-7.25
135	2	194	4166.93	21.01	-691.51	-682.22	11.71	80.87	9.13	-13.83	-10.66	5.97	-7.92
		198	4083.90	40.17	-677.15	-671.19	34.21	65.12	11.31	-9.86	-7.77	9.22	-6.32
		888	5116.48	39.63	-748.79	-743.38	34.21	65.12	23.16	-6.96	-6.15	22.35	-4.88
		887	5119.77	20.16	-762.84	-754.40	11.71	80.87	20.52	-10.46	-9.04	19.10	-6.48
136	1	170	3969.48	72.43	-703.57	-674.26	43.12	147.94	10.52	-12.57	-8.34	6.28	-8.94
		194	3894.17	55.75	-722.56	-685.99	19.18	164.69	12.30	-9.28	-6.08	9.11	-7.66
		887	4756.04	55.48	-728.07	-691.77	19.18	164.69	24.37	-5.71	-4.33	22.99	-6.30
		886	4774.60	72.21	-709.13	-680.04	43.12	147.94	22.16	-8.58	-6.58	20.16	-7.57
136	2	170	3293.13	54.09	-545.04	-519.04	28.09	122.06	9.98	-11.77	-7.96	6.17	-8.27
		194	3235.70	48.84	-551.19	-522.79	20.45	127.41	11.92	-8.48	-5.68	9.12	-7.03
		887	4259.85	47.03	-590.30	-563.72	20.45	127.41	23.96	-5.09	-3.99	22.86	-5.54
		886	4243.14	52.42	-584.30	-559.97	28.09	122.06	21.56	-7.92	-6.27	19.91	-6.78
137	1	72	3126.84	-14.24	-529.72	-394.40	-149.56	226.81	13.90	-5.40	-2.40	10.90	-6.99
		170	2646.67	12.27	-429.14	-352.61	-64.26	167.11	14.11	-4.90	-1.85	11.06	-6.98
		886	3175.18	23.88	-381.07	-292.92	-64.26	167.11	25.34	-2.54	-0.71	23.51	-6.91
		1	3674.31	2.84	-487.11	-334.71	-149.56	226.81	25.17	-3.07	-1.26	23.35	-6.92
137	2	72	2693.90	-13.87	-428.94	-321.73	-121.08	181.68	13.09	-5.04	-2.23	10.28	-6.56
		170	2347.78	5.56	-355.19	-291.09	-58.54	137.90	13.55	-4.62	-1.83	10.76	-6.55
		886	2919.67	22.31	-293.74	-212.88	-58.54	137.90	24.37	-2.14	-0.61	22.84	-6.18
		1	3257.94	9.41	-374.02	-243.53	-121.08	181.68	23.89	-2.55	-1.01	22.36	-6.19
138	1	75	7865.63	-30.41	-368.22	-364.66	-33.97	34.49	61.94	-10.02	61.84	-9.92	-2.70
		78	3973.50	-60.46	-394.88	-383.31	-72.03	61.13	37.08	17.38	29.18	25.28	9.65
		3	1.672e+04	-32.69	-167.01	-127.67	-72.03	61.13	194.12	52.21	131.65	114.68	70.45
		2	1.691e+04	-20.53	-122.46	-109.02	-33.97	34.49	193.82	49.97	164.31	79.48	58.09
138	2	75	5705.11	121.83	-110.15	63.42	-51.74	100.69	51.29	-9.50	50.42	-8.63	-7.21
		78	3717.09	121.18	-256.98	14.92	-150.72	169.98	37.68	16.07	24.04	29.71	10.43
		3	1.776e+04	522.41	-193.64	479.49	-150.72	169.98	187.40	50.65	129.39	108.66	67.59
		2	1.742e+04	544.98	-68.73	527.99	-51.74	100.69	178.78	47.32	155.77	70.33	49.95
139	1	69	2994.68	17.05	-313.24	-225.35	-70.85	145.96	24.48	-2.07	-0.53	22.93	-6.22
		200	3227.95	8.46	-364.91	-245.16	-111.29	174.27	24.05	-2.79	-1.16	22.41	-6.42
		267	2648.02	-5.46	-398.28	-292.45	-111.29	174.27	13.36	-5.24	-2.41	10.53	-6.69
		885	2403.98	5.70	-349.18	-272.63	-70.85	145.96	13.75	-4.48	-1.78	11.05	-6.48
139	2	69	3166.54	20.76	-365.93	-273.74	-71.43	164.77	25.24	-2.27	-0.47	23.44	-6.79
		200	3551.20	6.15	-444.19	-304.28	-133.76	208.40	25.04	-3.14	-1.27	23.17	-7.02
		267	2975.63	-7.20	-476.94	-350.38	-133.76	208.40	13.99	-5.45	-2.45	11.00	-7.02
		885	2597.51	10.71	-401.97	-319.84	-71.43	164.77	14.18	-4.56	-1.66	11.27	-6.79
140	1	66	4395.04	47.44	-639.81	-606.64	14.27	147.29	24.09	-5.11	-3.95	22.94	-5.70
		69	4425.39	58.02	-627.47	-599.10	29.65	136.52	21.78	-8.35	-6.60	20.03	-7.05
		885	3208.65	63.32	-523.91	-490.25	29.65	136.52	10.33	-12.01	-8.13	6.45	-8.46
		884	3111.25	53.61	-537.13	-497.79	14.27	147.29	12.21	-8.33	-5.48	9.36	-7.11
140	2	66	4667.52	56.65	-715.50	-676.01	17.17	170.08	24.40	-5.39	-4.01	23.01	-6.27
		69	4720.99	73.55	-695.54	-663.89	41.90	152.77	22.25	-8.68	-6.65	20.22	-7.67
		885	3709.89	76.02	-642.11	-607.99	41.90	152.77	10.74	-12.45	-8.24	6.53	-8.94
		884	3599.17	59.72	-662.66	-620.11	17.17	170.08	12.47	-8.75	-5.60	9.33	-7.54
141	1	63	5348.93	44.33	-816.92	-806.59	34.00	93.76	23.32	-7.10	-6.19	22.41	-5.18
		66	5399.13	32.45	-826.31	-813.59	19.72	103.76	20.74	-10.99	-9.42	19.18	-6.87
		884	4220.89	34.63	-702.43	-687.53	19.72	103.76	9.51	-14.22	-10.87	6.16	-8.26
		881	4098.45	46.10	-692.63	-680.53	34.00	93.76	11.64	-9.88	-7.64	9.39	-6.58
141	2	63	5741.89	48.30	-923.41	-909.60	34.49	115.02	23.43	-7.42	-6.34	22.35	-5.68
		66	5799.85	42.78	-927.88	-912.89	27.78	119.71	20.95	-11.27	-9.46	19.14	-7.42
		884	4945.63	43.57	-879.96	-864.17	27.78	119.71	9.80	-14.75	-11.06	6.12	-8.77
		881	4820.93	49.03	-875.43	-860.89	34.49	115.02	11.82	-10.44	-7.94	9.33	-7.02
142	1	60	5838.16	43.47	-907.80	-906.19	41.87	39.07	22.70	-8.05	-7.37	22.02	-4.52
		63	5941.34	19.34	-922.44	-918.94	15.84	57.29	20.13	-12.46	-11.12	18.78	-6.48
		881	4774.64	19.92	-788.97	-784.89	15.84	57.29	8.81	-15.21	-12.48	6.08	-7.62
		880	4600.19	43.74	-774.01	-772.14	41.87	39.07	10.95	-10.36	-8.72	9.32	-5.67
142	2	60	6390.38	45.67	-1052.64	-1049.34	42.36	60.17	22.72	-8.44	-7.63	21.91	-4.95
		63	6500.02	29.05	-1063.14	-1058.25	24.16	72.92	20.26	-12.76	-11.21	18.71	-6.98
		881	5720.67	29.24	-1021.61	-1016.52	24.16	72.92	9.01	-15.75	-12.77	6.02	-8.06
		880	5546.81	45.80	-1011.04	-1007.61	42.36	60.17	11.02	-10.99	-9.19	9.22	-6.03
143	1	57	5905.06	46.62	-917.72	-917.54	46.43	-13.36	22.07	-7.99	-7.56	21.65	-3.56
		60	6041.38	8.11	-936.61	-936.41	7.91	13.60	19.45	-12.83	-11.76	18.38	-5.78
		880	4833.90	8.14	-785.28	-785.05	7.91	13.60	8.07	-15.21	-13.07	5.93	-6.72
		879	4622.89	46.65	-766.39	-766.17	46.43	-13.36	10.26	-9.93	-8.87	9.20	-4.50
143	2	57	6613.23	46.76	-1101.18	-1101.12	46.70	7.94	21.99	-8.45	-7.94	21.48	-3.91
		60	6758.63	17.19	-1116.70	-1115.95	16.44	29.12	19.52	-13.14	-11.92	18.30	-6.20
		880	6000.36	17.22	-1073.13	-1072.35	16.44	29.12	8.14	-15.77	-13.47	5.85	-7.04
		879	5789.00	46.76	-1057.58	-1057.53	46.70	7.94	10.18	-10.64	-9.50	9.04	-4.74
144	1	136	331.44	179.28	-47.68	31.41	100.19	-108.14	-14.54	-29.75	-16.11	-28.19	4.63

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		134	248.80	118.22	-47.72	11.32	59.19	-79.44	-20.62	-28.11	-20.87	-27.86	1.33
		129	414.20	138.15	-20.74	58.22	59.19	-79.44	-15.75	-52.96	-24.39	-44.33	15.71
		123	499.87	197.95	-19.44	78.31	100.19	-108.14	-9.38	-54.89	-19.63	-44.65	19.01
144	2	136	721.13	128.13	-203.72	-7.36	-68.23	163.11	-49.39	-107.78	-50.98	-106.20	9.49
		134	976.02	127.14	-460.81	-92.24	-241.44	284.35	-23.16	-94.37	-29.54	-87.99	20.34
		129	1277.15	55.90	-513.38	-216.04	-241.44	284.35	-12.81	-135.64	-38.31	-110.14	49.82
		123	1002.33	66.42	-265.82	-131.17	-68.23	163.11	-42.13	-145.96	-59.74	-128.35	38.96
145	1	137	627.29	206.10	-24.02	157.74	24.35	-93.76	-22.11	-79.50	-56.23	-45.39	28.18
		62	823.86	243.11	-15.54	172.69	54.87	-115.13	-43.47	-112.63	-95.77	-60.33	29.69
		130	766.53	105.61	-206.34	-155.60	54.87	-115.13	118.32	50.45	55.20	113.57	-17.32
		127	776.33	62.13	-208.33	-170.55	24.35	-93.76	136.91	86.34	94.75	128.51	-18.83
145	2	137	1197.72	25.35	-286.82	-86.35	-175.13	149.64	-94.63	-181.13	-121.12	-154.64	39.87
		62	2318.95	25.14	-1157.27	-372.67	-759.46	558.68	0.18	-191.41	-63.61	-127.62	90.29
		130	1367.80	258.09	-1066.20	-48.65	-759.46	558.68	74.52	42.17	45.71	70.98	10.10
		127	939.78	286.21	-223.66	237.68	-175.13	149.64	65.10	-32.94	-11.80	43.97	-40.32
146	1	62	924.31	136.93	-477.99	-452.15	111.09	-123.37	2.34	-92.83	-34.36	-56.12	46.32
		133	1567.20	115.94	-481.99	-460.37	94.32	-111.63	130.24	-110.04	18.94	1.26	119.82
		477	1601.46	211.48	-12.04	105.13	94.32	-111.63	278.16	63.90	156.33	185.74	106.12
		130	826.29	235.59	-11.16	113.34	111.09	-123.37	150.69	80.69	103.03	128.36	32.63
146	2	62	2423.69	366.50	-1415.16	329.38	-1378.03	254.48	-85.39	-188.66	-103.40	-170.66	39.18
		133	2003.71	664.76	-770.31	639.53	-745.08	-188.59	90.13	-185.82	-0.55	-95.14	129.62
		477	1948.04	167.20	-784.07	128.22	-745.08	-188.59	222.10	-5.24	106.55	110.30	113.65
		130	1508.37	-130.04	-1429.93	-181.93	-1378.03	254.48	47.18	-8.69	3.71	34.78	23.22
147	1	141	480.91	166.29	76.17	157.03	85.43	27.37	77.13	5.59	5.78	76.94	-3.65
		145	592.72	167.50	88.25	161.41	94.35	21.12	65.92	-34.91	-31.09	62.10	-19.26
		136	584.77	97.29	-57.47	-54.53	94.35	21.12	79.62	1.73	3.55	77.80	-11.76
		65	578.67	90.44	-63.92	-58.91	85.43	27.37	92.93	40.14	40.42	92.64	3.85
147	2	141	1258.90	465.25	-92.88	-70.11	442.47	-110.41	130.65	0.59	1.23	130.02	9.05
		145	1085.82	76.02	-512.24	-336.02	-100.20	269.46	146.95	33.75	40.28	140.43	26.38
		136	1097.44	204.83	-338.24	-33.21	-100.20	269.46	150.41	8.55	8.81	150.15	-6.10
		65	1329.13	489.88	185.30	232.70	442.47	-110.41	142.90	-33.41	-30.24	139.74	-23.42
148	1	146	468.40	54.92	-66.32	-36.55	25.15	52.18	55.94	-15.43	11.14	29.38	-34.50
		150	528.71	63.50	-38.64	-24.63	49.49	35.14	74.47	-13.87	15.17	45.43	-41.50
		137	640.79	96.22	23.06	69.79	49.49	35.14	-10.89	-108.00	-42.54	-76.35	45.52
		135	785.28	96.19	-13.18	57.86	25.15	52.18	-12.19	-126.79	-46.58	-92.41	52.52
148	2	146	950.78	-14.69	-314.54	-107.52	-221.72	138.63	103.32	-12.31	3.31	87.70	-39.53
		150	1020.70	-14.69	-313.40	-107.14	-220.95	138.09	131.87	22.33	34.46	119.74	-34.37
		137	983.92	23.00	-299.11	-55.16	-220.95	138.09	33.50	-100.07	-44.32	-22.25	65.87
		135	1019.13	22.99	-300.25	-55.54	-221.72	138.63	-3.25	-126.51	-75.48	-54.29	60.72
149	1	481	453.69	50.21	-59.97	32.97	-42.73	-40.03	81.73	20.93	29.57	73.09	-21.23
		141	814.17	33.14	-68.26	24.63	-59.75	-28.11	76.55	-73.93	-57.97	60.58	-46.34
		65	531.80	343.81	-61.71	341.85	-59.75	-28.11	51.97	12.37	14.97	49.37	-9.81
		133	854.74	354.23	-46.76	350.19	-42.73	-40.03	107.63	56.76	102.51	61.88	15.30
149	2	481	1132.44	373.27	-423.77	-232.85	182.35	340.18	135.43	54.53	54.61	135.35	2.53
		141	1562.81	711.89	24.72	26.00	710.61	-29.60	144.82	1.99	2.24	144.58	-5.88
		65	1795.22	711.31	-543.37	-542.67	710.61	-29.60	178.04	54.76	69.32	163.48	39.78
		133	1581.04	288.51	-907.68	-801.51	182.35	340.18	188.84	87.11	121.69	154.25	48.19
150	1	145	453.53	65.74	51.94	61.48	56.20	-6.37	71.08	0.31	0.50	70.88	3.71
		151	500.81	161.61	53.55	93.53	121.62	-52.17	61.44	-14.90	-14.83	61.37	-2.31
		134	636.37	146.76	13.36	38.50	121.62	-52.17	84.56	-0.15	2.41	82.00	-14.50
		136	566.23	57.01	5.64	6.44	56.20	-6.37	92.47	16.78	17.74	91.51	-8.48
150	2	145	971.65	-101.54	-417.81	-181.42	-337.93	137.42	115.65	-6.68	-5.87	114.84	9.91
		151	833.89	-97.45	-214.70	-113.28	-198.86	40.07	117.06	1.27	3.64	114.69	16.42
		134	1043.58	-20.36	-207.86	-29.36	-198.86	40.07	146.15	9.45	10.19	145.41	-10.01
		136	1233.86	-35.13	-400.29	-97.50	-337.93	137.42	147.42	-1.19	0.67	145.56	-16.52
151	1	150	529.31	70.78	-141.43	-132.99	62.34	41.47	92.54	39.21	51.78	79.97	-22.63
		155	642.95	77.00	-134.93	-128.81	70.87	35.50	110.81	37.70	64.57	83.93	-35.25
		62	542.09	181.90	59.52	170.55	70.87	35.50	-50.79	-86.50	-60.04	-77.24	15.64
		137	619.47	180.88	47.83	166.37	62.34	41.47	-48.46	-105.59	-72.84	-81.21	28.26
151	2	150	1033.62	-11.50	-281.40	-110.76	-182.14	130.15	124.80	-9.94	9.21	105.65	-47.05
		155	1439.06	693.77	-12.12	209.73	471.92	-327.70	169.75	133.26	133.30	169.71	-1.11
		62	1162.12	640.64	-164.53	4.20	471.92	-327.70	55.62	-59.40	-23.65	19.87	53.24
		137	1095.18	-102.80	-395.63	-316.29	-182.14	130.15	-43.68	-148.25	-147.74	-44.19	7.30
152	1	155	584.55	136.42	93.72	107.60	122.55	20.00	96.14	43.68	73.81	66.01	-25.94
		481	977.77	156.57	123.70	124.08	156.18	-3.54	148.65	129.72	148.16	130.21	3.01
		133	1233.89	156.20	-443.64	-443.62	156.18	-3.54	160.58	14.23	107.69	67.12	70.31
		62	819.90	123.23	-460.79	-460.10	122.55	20.00	62.19	-25.93	33.34	2.92	41.35
152	2	155	1239.83	589.94	-95.01	185.66	309.27	-336.85	169.45	96.19	97.75	167.89	10.58
		481	1271.63	-81.44	-464.37	-156.60	-389.22	152.09	170.60	103.68	105.00	169.28	-9.30
		133	909.36	463.06	-416.36	435.92	-389.22	152.09	73.01	15.85	28.89	59.97	23.98
		62	1236.81	954.13	133.31	778.18	309.27	-336.85	87.71	-7.49	21.64	58.58	43.87
153	1	53	401.65	183.11	-131.82	-17.70	68.99	-151.38	-12.11	-31.32	-16.81	-26.62	8.26

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		156	521.05	236.67	-131.77	-0.07	104.98	-176.57	13.28	-25.91	6.03	-18.66	15.22
		145	593.70	315.67	-43.00	167.69	104.98	-176.57	-24.26	-57.33	-32.44	-49.16	14.26
		141	563.50	266.23	-47.19	150.05	68.99	-151.38	-48.84	-63.56	-55.27	-57.12	7.30
153	2	53	1678.84	67.29	-1044.63	-163.62	-813.71	451.04	-82.74	-151.62	-82.93	-151.43	-3.57
		156	1093.57	114.53	-288.34	100.62	-274.44	73.55	13.95	-117.36	-1.52	-101.89	42.33
		145	1012.47	-121.42	-309.79	-156.77	-274.44	73.55	24.96	-114.77	-5.93	-83.89	57.98
		141	1672.03	-125.44	-1109.29	-421.01	-813.71	451.04	-84.36	-136.40	-87.34	-133.43	12.08
154	1	154	652.70	226.07	-29.28	95.35	101.44	-127.64	21.57	-58.66	-37.89	0.81	35.14
		160	755.47	209.95	-29.75	89.90	90.31	-119.85	28.18	-71.73	-33.55	-10.00	48.55
		150	1014.53	165.29	-101.27	-26.29	90.31	-119.85	144.21	18.47	34.28	128.40	-41.69
		146	1176.35	181.83	-101.23	-20.84	101.44	-127.64	162.17	6.98	29.94	139.21	-55.10
154	2	154	1003.87	25.81	-249.02	-86.74	-136.47	135.15	-17.89	-132.28	-69.85	-80.32	56.96
		160	1037.98	28.33	-94.18	-34.99	-30.86	61.22	11.20	-149.25	-51.31	-86.75	78.25
		150	537.65	15.65	-111.44	-64.94	-30.86	61.22	77.99	3.80	14.89	66.90	-26.45
		146	905.44	8.93	-262.08	-116.68	-136.47	135.15	96.16	-26.49	-3.65	73.33	-47.74
155	1	152	672.77	336.84	73.41	289.61	120.64	-101.05	-13.79	-70.05	-43.38	-40.46	28.09
		53	932.51	332.80	72.04	287.83	117.01	-98.51	112.92	-48.73	74.62	-10.44	68.73
		141	544.40	186.99	-21.66	48.32	117.01	-98.51	45.34	-28.85	-1.88	18.37	35.68
		481	731.87	192.40	-21.66	50.10	120.64	-101.05	-11.43	-120.11	-119.88	-11.65	-4.96
155	2	152	1448.08	90.27	-557.53	-518.12	50.86	154.84	120.24	-114.02	38.97	-32.75	111.50
		53	2192.06	-88.19	-1239.69	-801.14	-526.74	559.16	142.30	-118.21	94.24	-70.15	101.05
		141	1574.54	141.10	-994.91	-327.07	-526.74	559.16	-22.89	-106.46	32.80	-96.55	27.02
		481	823.83	165.36	-158.54	-44.04	50.86	154.84	-33.44	-113.79	-88.08	-59.15	37.48
156	1	45	1823.29	68.24	-292.72	-239.76	15.28	-127.71	9.78	-3.26	-1.34	7.87	4.61
		48	2255.57	28.10	-294.94	-253.69	-13.15	-107.81	10.44	-5.58	-5.53	10.38	0.94
		875	1994.73	78.03	-140.62	-49.44	-13.15	-107.81	7.30	-10.02	-7.23	4.51	6.36
		874	2564.38	120.10	-140.33	-35.51	15.28	-127.71	9.82	-10.87	-3.05	2.00	10.03
156	2	45	2794.92	46.94	-542.99	-521.93	25.89	-109.45	10.15	-3.66	-1.64	8.13	4.88
		48	3358.37	8.16	-551.42	-537.46	-5.80	-87.27	10.24	-6.42	-6.32	10.14	1.27
		875	3544.61	6.01	-650.54	-638.73	-5.80	-87.27	7.32	-10.20	-7.59	4.71	6.24
		874	3212.24	43.84	-641.16	-623.20	25.89	-109.45	10.14	-10.34	-2.91	2.71	9.85
157	1	156	334.40	264.03	-43.25	64.14	156.64	-146.51	-15.60	-25.09	-17.52	-23.16	-3.82
		153	240.86	185.11	-43.30	38.17	103.63	-109.41	-11.03	-21.17	-13.92	-18.28	-4.58
		151	506.08	197.29	-24.19	69.47	103.63	-109.41	-22.24	-59.97	-31.50	-50.71	16.24
		145	607.57	275.71	-23.64	95.44	156.64	-146.51	-25.51	-65.19	-35.11	-55.59	16.99
157	2	156	761.81	81.00	-247.33	-62.22	-104.11	162.82	-48.50	-110.76	-50.11	-109.15	9.88
		153	963.91	79.51	-437.62	-125.29	-232.82	252.92	-14.96	-97.68	-22.00	-90.64	23.08
		151	1182.76	55.20	-454.91	-166.90	-232.82	252.92	-20.10	-132.19	-40.06	-112.23	42.88
		145	972.40	58.85	-266.79	-103.83	-104.11	162.82	-56.33	-142.58	-68.17	-130.74	29.69
158	1	199	3918.67	76.75	-88.62	69.86	-81.72	-33.06	33.42	-4.94	33.14	-4.66	3.29
		45	3514.11	156.67	-51.66	108.29	-3.28	-87.97	-10.04	-33.56	-30.72	-12.88	7.67
		874	2175.61	113.84	-69.35	47.77	-3.28	-87.97	24.33	12.23	22.83	13.74	3.99
		258	7631.70	20.07	-92.46	9.34	-81.72	-33.06	86.69	21.96	86.68	21.96	-0.39
158	2	199	4617.24	82.26	-220.57	-168.51	30.20	-114.26	36.34	-5.14	36.28	-5.07	1.68
		45	3489.86	19.91	-223.29	-189.91	-13.47	-83.69	-8.75	-34.36	-32.23	-10.88	7.07
		874	4397.09	-0.41	-549.73	-536.67	-13.47	-83.69	27.35	9.62	25.51	11.46	5.40
		258	1.043e+04	53.17	-538.24	-515.27	30.20	-114.26	94.02	17.27	94.02	17.27	0.02
159	1	160	740.17	259.07	2.73	171.29	90.51	-121.64	-29.19	-92.49	-75.11	-46.57	28.25
		50	868.24	229.78	-1.35	160.32	68.11	-105.97	-23.80	-116.76	-90.11	-50.45	42.04
		155	820.57	113.35	-180.10	-134.86	68.11	-105.97	128.96	48.18	49.77	127.37	-11.21
		150	910.99	145.45	-178.83	-123.89	90.51	-121.64	139.60	56.42	64.77	131.25	-25.00
159	2	160	1000.46	-5.57	-125.86	-21.93	-109.51	41.23	-89.67	-172.56	-119.02	-143.22	39.64
		50	2286.95	-11.37	-1197.58	-376.28	-832.67	547.45	1.06	-182.39	-64.61	-116.72	87.94
		155	1376.00	114.73	-1149.00	-201.60	-832.67	547.45	78.89	37.22	42.61	73.49	13.99
		150	688.42	159.08	-115.84	152.75	-109.51	41.23	62.79	-27.58	-11.79	47.00	-34.31
160	1	42	3418.25	151.37	-172.74	75.73	-97.10	137.09	25.57	3.95e-03	1.92	23.66	-6.73
		169	4111.75	153.59	-51.76	116.25	-14.42	79.21	39.81	-0.07	0.09	39.64	2.57
		255	3789.35	12.43	-248.13	-221.28	-14.42	79.21	37.75	7.95	12.15	33.55	10.37
		873	2377.93	-19.53	-339.37	-261.80	-97.10	137.09	17.86	13.69	13.98	17.57	1.06
160	2	42	3057.20	-59.10	-156.38	-83.74	-131.73	42.31	26.51	-0.75	1.06	24.70	-6.79
		169	4171.99	65.06	-60.29	-11.31	16.08	-61.16	42.00	-1.58	-1.40	41.82	2.80
		255	3866.22	26.21	-353.06	-342.93	16.08	-61.16	39.65	6.75	11.40	35.00	11.46
		873	2697.38	-125.56	-421.54	-415.36	-131.73	42.31	18.63	13.12	13.87	17.88	1.88
161	1	50	864.93	104.20	-416.53	-371.23	58.89	-146.76	-7.86	-101.15	-49.94	-59.07	46.42
		152	1702.42	165.59	-410.90	-349.19	103.87	-178.24	137.57	-115.45	20.27	1.86	126.17
		481	1682.92	290.32	-66.53	119.91	103.87	-178.24	275.78	60.81	147.53	189.07	105.46
		155	806.20	226.43	-69.67	97.87	58.89	-146.76	138.88	66.58	77.32	128.14	25.71
161	2	50	2391.90	386.36	-1401.31	328.30	-1343.25	316.89	-73.18	-178.91	-94.85	-157.24	42.69
		152	2032.64	662.90	-704.64	648.35	-690.09	-140.33	107.82	-174.79	16.00	-82.96	132.36
		481	1849.33	82.83	-715.57	57.35	-690.09	-140.33	222.78	-3.48	106.73	112.57	113.09
		155	1499.98	-176.62	-1429.33	-262.70	-1343.25	316.89	48.68	-14.51	-4.12	38.29	23.42
162	1	162	687.24	250.09	111.44	149.87	211.66	-62.06	85.82	-0.64	0.16	85.02	-8.28

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		163	678.52	160.73	110.64	120.22	151.15	-19.70	75.48	-39.05	-35.18	71.61	-20.67
		156	793.30	153.49	-14.72	-12.38	151.15	-19.70	110.67	10.60	14.10	107.17	-18.39
		53	841.60	229.79	-0.85	17.27	211.66	-62.06	121.08	48.94	49.44	120.58	-5.99
162	2	162	1085.45	423.46	-87.96	-22.07	357.58	-171.33	119.48	1.20	2.38	118.30	11.75
		163	884.06	-21.97	-453.77	-288.86	-186.89	209.79	133.76	29.13	36.37	126.52	26.55
		156	1023.03	77.26	-353.51	-89.36	-186.89	209.79	135.23	7.10	7.24	135.08	-4.32
		53	1215.92	461.07	73.93	177.42	357.58	-171.33	129.21	-29.08	-26.74	126.87	-19.12
163	1	39	3417.72	38.34	-450.32	-399.00	-12.97	149.81	23.97	-2.93	-1.93	22.97	-5.09
		42	3470.39	51.82	-426.84	-386.85	11.83	132.44	20.69	-6.60	-5.52	19.60	-5.33
		873	2419.95	51.33	-432.29	-392.80	11.83	132.44	9.14	-9.48	-5.34	5.00	-7.74
		872	2612.26	37.72	-455.65	-404.95	-12.97	149.81	12.36	-5.74	-1.75	8.37	-7.51
163	2	39	3675.00	-15.19	-493.16	-475.37	-32.98	90.48	24.10	-3.44	-2.52	23.19	-4.94
		42	3796.84	2.90	-475.03	-463.46	-8.67	73.47	20.81	-7.49	-6.53	19.86	-5.12
		873	2534.20	4.74	-411.06	-397.65	-8.67	73.47	8.82	-9.80	-6.02	5.04	-7.49
		872	2320.18	-12.36	-430.17	-409.56	-32.98	90.48	12.15	-5.79	-2.01	8.37	-7.31
164	1	164	586.64	97.42	4.57	5.66	96.33	-10.00	79.73	-12.39	15.74	51.59	-42.43
		175	740.70	128.91	11.16	18.19	121.89	-27.89	102.40	-6.07	25.59	70.75	-49.31
		160	747.37	141.06	81.31	100.48	121.89	-27.89	-15.54	-113.06	-52.16	-76.44	47.23
		154	829.55	102.98	81.30	87.95	96.33	-10.00	-22.15	-135.45	-62.00	-95.60	54.10
164	2	164	661.93	-4.46	-104.78	-6.05	-103.18	12.56	88.96	-11.31	4.56	73.09	-36.60
		175	1055.02	-22.03	-435.86	-120.71	-337.18	176.35	117.15	-25.98	38.06	105.08	-30.91
		160	1116.58	-32.50	-439.25	-134.57	-337.18	176.35	23.85	-108.69	-45.80	-39.04	66.18
		154	828.58	-18.07	-105.04	-19.92	-103.18	12.56	-14.52	-135.79	-79.29	-71.02	60.49
165	1	473	690.93	141.82	-4.17	51.69	85.96	-70.96	96.57	8.78	25.74	79.61	-34.66
		162	1051.96	191.49	-4.05	68.07	119.37	-94.35	92.22	-81.24	-61.32	72.30	-55.30
		53	614.12	336.05	78.29	294.96	119.37	-94.35	80.12	20.88	25.20	75.80	-15.39
		152	834.51	301.91	62.64	278.59	85.96	-70.96	113.17	82.20	112.26	83.11	5.24
165	2	473	1147.34	427.35	-443.10	-208.30	192.54	386.33	125.33	58.22	58.92	124.63	6.82
		162	1502.08	745.87	62.83	62.83	745.87	-0.99	132.85	3.67	3.74	132.78	-2.98
		53	1711.61	745.87	-439.21	-439.21	745.87	-0.99	169.26	52.09	71.34	150.01	43.42
		152	1592.09	335.28	-853.08	-710.34	192.54	386.33	187.97	80.41	126.52	141.86	53.23
166	1	163	560.77	138.66	42.02	70.77	109.91	-44.18	80.25	-1.49	-1.16	79.93	5.15
		177	591.10	213.84	42.07	95.51	160.40	-79.52	69.06	-16.51	-16.50	69.06	0.70
		153	833.66	205.22	19.31	64.13	160.40	-79.52	111.99	5.62	10.46	107.15	-22.17
		156	784.81	131.18	18.12	39.39	109.91	-44.18	121.30	22.51	25.80	118.01	-17.72
166	2	163	898.52	-38.49	-395.08	-120.28	-313.29	149.92	103.00	-7.83	-6.68	101.85	11.21
		177	818.81	-37.01	-306.36	-90.61	-252.76	107.54	104.55	-1.78	1.07	101.70	17.17
		153	1011.95	-38.66	-306.78	-92.67	-252.76	107.54	132.87	10.14	10.49	132.51	-6.61
		156	1117.17	-40.07	-395.55	-122.34	-313.29	149.92	133.87	1.54	2.74	132.66	-12.57
167	1	175	769.80	144.21	-80.79	-79.01	142.43	-19.97	120.26	38.03	56.35	101.94	-34.22
		185	948.71	230.85	-61.88	-44.29	213.26	-69.56	144.28	61.50	90.02	115.76	-39.34
		50	676.01	274.28	133.96	194.98	213.26	-69.56	-48.13	-84.25	-62.47	-69.90	17.67
		160	746.68	173.22	129.47	160.27	142.43	-19.97	-66.31	-113.56	-96.14	-83.73	22.80
167	2	175	1095.03	30.26	-407.11	-136.57	-240.28	212.45	111.40	-8.89	11.43	91.09	-45.06
		185	1361.73	676.96	28.06	219.21	485.80	-295.81	153.31	133.90	133.92	153.28	-0.73
		50	1134.08	635.31	-99.46	50.05	485.80	-295.81	39.69	-67.53	-27.36	-0.49	51.90
		160	1135.07	-58.05	-487.96	-305.73	-240.28	212.45	-62.04	-150.50	-149.85	-62.69	7.56
168	1	185	893.21	304.01	117.58	163.33	258.26	-80.23	122.43	63.85	91.83	94.46	-29.26
		473	1183.13	248.05	116.89	144.70	220.24	-53.61	173.47	158.16	173.13	158.49	-2.25
		152	1218.37	225.23	-355.57	-350.58	220.24	-53.61	165.20	28.33	114.38	79.15	66.13
		50	834.16	268.97	-342.66	-331.95	258.26	-80.23	64.23	-16.04	33.07	15.11	39.12
168	2	185	1152.96	559.10	-136.69	135.65	286.76	-339.59	158.52	99.48	102.94	155.07	13.86
		473	1233.25	-128.15	-500.03	-209.85	-418.34	153.97	156.99	104.45	105.55	155.89	-7.51
		152	903.37	456.78	-445.43	429.68	-418.34	153.97	68.32	10.51	32.91	45.93	28.16
		50	1248.74	949.25	112.68	775.18	286.76	-339.59	87.79	-12.39	30.30	45.10	49.54
169	1	41	274.84	177.69	-61.71	58.33	57.65	-119.70	2.95	-17.14	1.64	-15.84	-4.95
		189	569.04	294.06	-59.26	97.40	137.40	-175.52	67.30	5.06	63.34	9.02	15.21
		163	724.43	316.51	-34.60	144.52	137.40	-175.52	-21.98	-80.81	-31.96	-70.82	22.08
		162	688.91	203.61	-40.52	105.44	57.65	-119.70	-92.49	-96.85	-93.65	-95.69	1.93
169	2	41	1595.02	178.84	-915.29	-25.97	-710.49	426.78	-79.40	-157.04	-80.52	-155.92	-9.25
		189	1086.16	234.91	-212.52	223.59	-201.20	70.27	12.57	-115.82	1.02	-104.27	36.73
		163	1035.77	-60.53	-236.30	-95.63	-201.20	70.27	27.16	-124.07	-3.44	-93.48	60.76
		162	1635.98	-63.62	-992.06	-345.19	-710.49	426.78	-81.54	-148.56	-84.98	-145.12	14.78
170	1	149	793.96	354.18	-13.18	136.76	204.23	-180.56	2.87	-73.01	-44.10	-26.05	36.85
		193	941.45	334.87	-13.32	130.37	191.18	-171.42	18.83	-89.94	-35.19	-35.92	54.38
		175	1140.77	297.02	-86.47	19.36	191.18	-171.42	144.10	19.75	41.91	121.94	-47.58
		164	1340.37	316.40	-86.41	25.75	204.23	-180.56	164.14	0.67	33.00	131.81	-65.12
170	2	149	1202.48	33.11	-413.17	-165.81	-214.25	221.82	-25.95	-141.61	-66.36	-101.20	55.15
		193	1005.36	91.10	-17.20	-16.52	90.42	8.55	2.61	-159.72	-49.76	-107.35	75.89
		175	400.20	91.61	29.06	30.25	90.42	8.55	60.82	4.71	19.94	45.59	-24.95
		164	979.65	60.23	-393.51	-119.03	-214.25	221.82	79.25	-24.17	3.34	51.75	-45.69
171	1	147	677.86	360.40	61.93	186.59	235.73	-147.20	-38.29	-69.20	-53.44	-54.05	15.45

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		41	903.52	207.02	59.22	135.26	130.98	-73.87	111.57	-42.14	82.52	-13.10	60.18
		162	545.64	173.19	1.69	43.90	130.98	-73.87	31.84	-46.15	-12.46	-1.85	38.63
		473	874.92	328.59	2.38	95.23	235.73	-147.20	-42.45	-148.77	-148.42	-42.81	-6.09
171	2	147	1261.98	-17.92	-370.74	-345.58	-43.08	90.80	105.99	-116.48	36.17	-46.66	103.24
		41	2034.93	-126.50	-1035.75	-599.98	-562.27	454.23	133.34	-120.31	90.95	-77.92	94.63
		162	1522.31	46.41	-901.24	-292.56	-562.27	454.23	-19.04	-117.22	-29.59	-106.67	30.41
		473	767.38	50.22	-131.45	-38.16	-43.08	90.80	-40.61	-119.17	-84.37	-75.40	39.02
172	1	189	494.05	300.06	-23.39	99.29	177.38	-156.94	29.24	-9.09	18.26	1.89	-17.33
		148	484.68	231.76	-23.63	76.75	131.38	-124.74	43.49	-1.55	31.70	10.25	-19.80
		177	643.28	230.75	-25.20	74.18	131.38	-124.74	-26.80	-82.49	-31.89	-77.41	16.04
		163	758.33	299.08	-24.99	96.72	177.38	-156.94	-38.14	-92.95	-45.33	-85.76	18.51
172	2	189	714.31	66.20	-167.56	-0.66	-100.70	105.64	-26.78	-103.63	-29.04	-101.38	12.98
		148	765.71	66.19	-172.93	-2.43	-104.32	108.17	11.39	-90.29	4.48	-83.38	25.58
		177	979.60	14.12	-203.10	-84.67	-104.32	108.17	-19.70	-142.34	-36.81	-125.23	42.49
		163	967.20	14.21	-197.81	-82.90	-100.70	105.64	-59.65	-153.91	-70.33	-143.23	29.88
173	1	193	905.39	363.15	11.28	190.56	183.87	-175.90	-70.68	-113.24	-96.75	-87.17	20.73
		38	927.39	216.48	2.33	139.38	79.42	-102.79	-41.50	-135.24	-95.89	-80.85	46.26
		185	778.89	127.41	-140.77	-92.78	79.42	-102.79	125.10	58.77	60.56	123.31	-10.74
		175	1033.95	280.06	-137.80	-41.61	183.87	-175.90	134.56	42.13	59.70	116.99	-36.27
173	2	193	986.65	19.51	-53.76	-27.52	-6.74	-35.13	-110.57	-186.76	-126.28	-171.05	30.82
		38	2211.59	-53.69	-1104.32	-397.07	-760.93	492.81	-8.56	-193.10	-63.98	-137.68	84.59
		185	1166.19	83.39	-1048.57	-204.25	-760.93	492.81	70.42	34.89	49.07	56.24	17.40
		175	465.21	172.20	-13.63	165.31	-6.74	-35.13	45.42	-35.78	-13.24	22.88	-36.37
174	1	38	861.31	91.89	-308.40	-208.16	-8.35	-173.43	-34.71	-119.52	-61.88	-92.35	39.57
		147	1872.07	265.65	-307.49	-150.72	108.88	-255.49	140.25	-127.64	28.00	-15.39	132.18
		473	1926.88	391.24	-122.30	160.06	108.88	-255.49	296.61	57.03	162.18	191.46	118.89
		185	831.83	229.22	-134.96	102.62	-8.35	-173.43	127.12	59.70	72.30	114.51	26.29
174	2	38	2333.84	455.64	-1220.32	381.50	-1146.19	344.60	-80.75	-190.29	-93.84	-177.21	35.53
		147	2080.47	683.84	-545.01	678.63	-539.80	-79.87	107.49	-176.45	27.84	-96.80	127.56
		473	1642.87	29.41	-551.01	18.20	-539.80	-79.87	216.46	-12.76	107.98	95.72	114.45
		185	1244.90	-158.68	-1266.44	-278.93	-1146.19	344.60	27.51	-25.89	-13.70	15.32	22.41
175	1	249	973.41	375.96	-30.06	47.79	298.10	-159.84	109.16	21.42	53.19	77.39	-42.17
		252	779.91	216.20	-36.81	-6.96	186.35	-81.62	115.92	65.70	85.90	95.73	-24.63
		189	781.63	227.96	26.25	67.85	186.35	-81.62	112.45	64.24	78.30	98.39	-21.91
		41	962.44	392.70	28.01	122.61	298.10	-159.84	105.88	19.77	45.59	80.05	-39.45
175	2	249	1384.23	641.07	-133.11	99.36	408.60	-354.87	152.65	83.24	89.45	146.43	-19.82
		252	1225.40	25.36	-135.97	-104.06	-6.55	-64.26	204.62	172.90	194.13	183.38	14.92
		189	393.05	111.04	-41.67	75.92	-6.55	-64.26	68.31	35.32	35.62	68.00	3.16
		41	1158.17	704.68	-16.73	279.35	408.60	-354.87	40.18	-78.19	-69.06	31.05	-31.58
176	1	261	835.38	263.74	13.68	71.95	205.46	-105.72	101.97	9.01	46.45	64.53	-45.59
		264	982.31	263.11	13.67	71.74	205.04	-105.42	127.19	10.59	55.99	81.79	-56.86
		193	956.98	280.89	58.52	134.37	205.04	-105.42	-20.80	-126.03	-48.25	-98.58	46.21
		149	1103.74	281.52	58.52	134.58	205.46	-105.72	-22.43	-151.21	-57.80	-115.84	57.48
176	2	261	703.60	377.83	15.39	181.84	211.37	-180.62	67.59	19.44	27.33	59.70	-17.82
		264	702.43	31.17	-224.87	-11.17	-182.53	95.11	88.81	26.40	38.78	76.43	-24.89
		193	972.61	-85.39	-275.66	-178.51	-182.53	95.11	4.11	-121.28	-46.14	-71.03	61.44
		149	1207.81	318.64	-92.76	14.50	211.37	-180.62	-2.52	-142.83	-57.59	-87.76	68.51
177	1	468	1031.41	415.65	-44.61	-30.40	401.44	-79.63	117.17	-3.51	48.71	64.95	-59.79
		249	1111.96	433.21	-41.00	-23.44	415.64	-89.57	120.38	2.47	35.81	87.04	-53.10
		41	869.98	447.03	160.04	191.43	415.64	-89.57	95.13	64.59	77.73	81.98	-15.12
		147	829.51	427.53	158.38	184.47	401.44	-79.63	101.95	48.58	90.63	59.90	-21.81
177	2	468	1120.88	613.50	-235.19	-152.99	531.30	251.01	113.66	77.95	80.77	110.84	-9.64
		249	1691.69	994.91	66.31	71.59	989.63	-69.82	158.26	110.59	111.37	157.48	6.04
		41	1682.57	993.60	-236.89	-232.91	989.63	-69.82	185.98	46.14	107.56	124.55	69.40
		147	1406.91	591.37	-517.56	-457.49	531.30	251.01	131.16	23.71	76.96	77.91	53.72
178	1	252	830.26	208.08	-15.12	28.13	164.82	-88.22	106.13	4.74	40.71	70.17	-48.51
		273	810.02	231.61	-14.60	36.04	180.96	-99.52	109.86	31.69	60.77	80.78	-37.78
		148	828.54	246.14	29.02	94.20	180.96	-99.52	110.77	28.68	55.84	83.62	-38.63
		189	846.00	222.12	28.99	86.29	164.82	-88.22	107.13	1.64	35.77	73.00	-49.35
178	2	252	1032.64	67.18	-38.76	27.55	0.86	-51.26	163.27	5.94	52.64	116.57	-71.88
		273	981.53	26.04	-45.72	11.73	-31.42	-28.67	186.91	90.83	121.17	156.57	-44.66
		148	408.78	17.74	-48.13	1.02	-31.42	-28.67	72.90	45.63	45.72	72.81	-1.57
		189	477.17	60.73	-43.03	16.84	0.86	-51.26	45.03	-35.02	-22.81	32.82	-28.78
179	1	264	978.94	270.78	-28.02	2.28	240.48	-90.19	138.05	41.46	77.57	101.94	-46.73
		274	1286.85	465.73	-18.11	69.65	377.97	-186.43	175.50	91.45	140.41	126.54	-41.45
		38	901.50	501.45	96.49	219.97	377.97	-186.43	-48.11	-90.54	-51.79	-86.87	11.93
		193	905.36	296.86	96.21	152.59	240.48	-90.19	-106.22	-119.88	-114.63	-111.47	6.65
179	2	264	715.39	129.24	-232.57	-94.65	-8.67	175.72	82.34	11.51	29.32	64.54	-30.72
		274	1371.62	850.98	85.30	247.23	689.05	-312.68	155.79	117.03	151.90	120.92	11.64
		38	1315.37	815.95	-81.37	45.53	689.05	-312.68	18.32	-75.66	-22.38	-34.95	46.57
		193	1068.50	74.57	-379.60	-296.35	-8.67	175.72	-91.01	-145.29	-144.96	-91.33	4.20
180	1	274	1305.29	538.02	23.21	270.62	290.61	-257.21	139.92	21.06	89.61	71.38	-58.73

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		468	1394.20	427.10	19.72	232.99	213.83	-203.46	200.29	142.63	191.06	151.86	-21.14
		147	1295.54	300.98	-261.17	-174.02	213.83	-203.46	168.48	38.30	130.70	76.08	59.08
		38	862.56	411.38	-257.17	-136.39	290.61	-257.21	39.72	-14.87	29.24	-4.40	21.49
180	2	274	1188.25	689.55	-252.29	100.80	336.46	-455.94	93.20	57.92	63.41	87.72	-12.79
		468	780.57	-103.60	-264.14	-163.93	-203.80	-77.75	119.43	68.25	76.02	111.66	-18.37
		147	788.41	515.23	-212.21	506.82	-203.80	-77.75	67.51	-7.23	35.38	24.90	37.00
		38	1349.43	1059.18	48.82	771.55	336.46	-455.94	55.82	-32.09	22.77	0.96	42.58
181	1	29	513.83	48.85	-12.68	-11.40	47.57	8.79	47.22	-44.88	18.65	-16.31	-42.60
		275	577.86	106.77	5.83	13.73	98.86	-27.12	33.05	-69.28	-12.35	-23.88	-50.84
		252	534.12	106.69	4.88	12.70	98.86	-27.12	75.81	-9.24	47.57	19.00	-40.05
		249	558.66	48.83	-13.69	-12.43	47.57	8.79	93.65	11.48	78.56	26.57	-31.82
181	2	29	1495.66	49.99	-300.96	-97.23	-153.74	173.18	144.58	-80.54	49.49	14.55	-111.19
		275	1418.67	90.86	22.54	22.60	90.80	2.00	118.61	-153.08	-36.45	1.98	-134.48
		252	1009.99	90.87	29.60	29.66	90.80	2.00	178.67	36.69	126.74	88.62	-68.39
		249	1413.09	54.13	-298.03	-90.16	-153.74	173.18	228.64	85.23	212.68	101.19	-45.10
182	1	144	673.17	361.71	-17.54	131.24	212.92	-185.17	44.04	-11.67	13.16	19.20	-27.69
		276	605.26	381.49	-17.46	137.78	226.26	-194.51	33.97	-4.44	15.13	14.41	-19.20
		264	1252.93	359.91	-56.82	76.83	226.26	-194.51	148.85	9.12	60.82	97.15	-67.46
		261	1319.94	340.04	-56.82	70.30	212.92	-185.17	159.35	1.45	58.86	101.94	-75.95
182	2	144	798.01	2.39	-152.91	-95.31	-55.21	75.02	105.14	-8.60	32.58	63.97	-54.66
		276	1276.69	593.77	-14.91	144.55	434.31	-267.64	107.45	-11.15	30.39	65.91	-56.58
		264	1089.00	617.44	43.15	226.28	434.31	-267.64	79.56	-5.69	26.13	47.74	-41.23
		261	609.91	43.46	-112.25	-13.58	-55.21	75.02	77.33	-3.21	28.32	45.79	-39.31
183	1	142	669.46	201.28	-58.46	-40.57	183.39	-65.78	114.24	63.11	106.24	71.12	18.58
		29	895.32	77.82	-92.92	-92.50	77.40	8.41	145.65	39.87	145.40	40.13	5.18
		249	604.86	77.83	-86.69	-86.26	77.40	8.41	70.00	-29.37	36.87	3.76	-46.85
		468	622.73	201.72	-52.66	-34.33	183.39	-65.78	54.47	-22.00	-2.29	34.76	-33.45
183	2	142	1770.60	196.23	-53.99	161.70	-19.46	-86.30	321.17	216.82	297.00	241.00	44.02
		29	1611.53	60.84	-309.18	33.26	-281.59	97.19	301.74	154.54	298.30	157.98	-22.24
		249	1256.42	-145.05	-350.78	-214.24	-281.59	97.19	140.05	-57.71	88.65	-6.31	-86.74
		468	569.58	39.83	-145.08	-85.79	-19.46	-86.30	103.18	60.87	87.35	76.71	-20.47
184	1	275	394.68	93.54	-2.39	22.92	68.22	-42.28	38.43	-26.37	22.63	-10.56	-27.83
		143	328.32	6.83	-7.22	-7.18	6.80	0.72	33.05	-28.68	17.73	-13.37	-26.66
		273	468.16	6.88	0.70	0.79	6.80	0.72	72.79	-9.34	42.66	20.80	-39.58
		252	569.57	95.77	3.34	30.89	68.22	-42.28	78.05	-6.90	47.56	23.60	-40.75
184	2	275	846.23	71.72	-11.64	-8.93	69.01	-14.77	117.92	-31.60	54.27	32.06	-73.93
		143	792.05	70.77	-11.84	-9.31	68.25	-14.23	110.50	-28.95	50.29	31.26	-69.07
		273	1099.05	72.91	24.86	29.52	68.25	-14.23	178.29	5.91	95.01	89.19	-86.14
		252	1150.46	73.96	24.95	29.90	69.01	-14.77	185.60	3.37	98.99	89.99	-91.00
185	1	276	783.83	428.30	-27.90	238.48	161.93	-224.87	26.60	-47.10	-13.64	-6.87	-36.70
		26	514.96	230.19	-53.87	164.78	11.53	-119.59	13.61	-51.58	-32.75	-5.22	-29.55
		274	831.11	113.15	-129.20	-27.58	11.53	-119.59	133.93	55.68	80.53	109.08	-36.43
		264	1120.39	336.22	-128.18	46.11	161.93	-224.87	147.28	59.79	99.64	107.43	-43.57
185	2	276	1561.63	623.52	-51.33	267.38	304.81	-336.91	108.90	-71.26	-7.81	45.45	-86.05
		26	1055.35	5.21	-263.82	-5.84	-252.77	53.40	118.64	-34.21	8.32	76.10	-68.50
		274	714.05	-81.38	-269.40	-98.02	-252.77	53.40	92.57	59.33	60.74	91.16	-6.70
		264	1022.04	583.09	-103.08	175.20	304.81	-336.91	78.08	27.03	44.61	60.50	-24.25
186	1	279	1420.75	195.46	-265.12	-222.82	153.16	133.02	-31.43	-192.33	-182.80	-40.96	37.98
		399	1420.75	195.46	-265.12	-222.82	153.16	133.02	-31.43	-192.33	-182.80	-40.96	37.98
		102	1420.75	195.46	-265.12	-222.82	153.16	133.02	-31.43	-192.33	-182.80	-40.96	37.98
186	2	279	1774.29	-167.94	-1135.98	-246.48	-1057.45	264.31	93.33	-123.73	-109.29	78.89	54.10
		399	1774.29	-167.94	-1135.98	-246.48	-1057.45	264.31	93.33	-123.73	-109.29	78.89	54.10
		102	1774.29	-167.94	-1135.98	-246.48	-1057.45	264.31	93.33	-123.73	-109.29	78.89	54.10
187	1	36	4706.60	39.19	-698.13	-680.09	21.15	113.91	22.77	-6.15	-5.21	21.83	-5.12
		39	4663.87	38.84	-698.45	-680.31	20.69	114.23	19.93	-9.10	-7.56	18.39	-6.51
		872	3678.42	41.16	-616.94	-596.48	20.69	114.23	9.36	-13.00	-9.29	5.64	-8.32
		871	3643.78	41.49	-616.60	-596.25	21.15	113.91	11.66	-9.52	-6.94	9.09	-6.93
187	2	36	4815.96	24.53	-712.18	-703.21	15.56	80.78	22.69	-6.50	-5.62	21.82	-4.99
		39	4807.31	26.79	-710.43	-701.89	18.25	78.89	19.83	-9.58	-8.13	18.38	-6.37
		872	3545.84	29.15	-552.76	-541.86	18.25	78.89	9.18	-13.27	-9.74	5.65	-8.16
		871	3477.63	27.00	-554.62	-543.17	15.56	80.78	11.53	-9.68	-7.23	9.09	-6.78
188	1	33	5494.21	37.91	-843.85	-838.96	33.02	65.46	22.70	-7.43	-6.77	22.04	-4.42
		36	5526.86	24.42	-853.09	-846.44	17.77	76.13	19.95	-11.15	-9.85	18.65	-6.22
		871	4450.85	25.41	-740.53	-732.89	17.77	76.13	8.71	-14.41	-11.53	5.84	-7.63
		870	4344.12	38.63	-731.02	-725.41	33.02	65.46	10.98	-10.20	-8.45	9.23	-5.83
188	2	33	5477.22	35.75	-828.72	-826.46	33.49	44.12	22.66	-7.61	-6.99	22.05	-4.26
		36	5524.07	22.60	-836.90	-833.47	19.17	54.14	19.85	-11.42	-10.19	18.62	-6.07
		871	4207.67	23.48	-661.33	-657.02	19.17	54.14	8.59	-14.56	-11.80	5.83	-7.50
		870	4086.32	36.33	-652.84	-650.00	33.49	44.12	10.92	-10.26	-8.60	9.26	-5.69
189	1	30	5792.36	39.39	-901.22	-900.92	39.09	16.77	22.26	-7.74	-7.33	21.85	-3.49
		33	5886.60	12.29	-916.20	-914.76	10.85	36.53	19.53	-12.07	-11.06	18.52	-5.56
		870	4743.61	12.53	-783.68	-782.00	10.85	36.53	8.00	-14.72	-12.57	5.85	-6.66

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		869	4574.92	39.43	-768.51	-768.17	39.09	16.77	10.28	-9.93	-8.83	9.17	-4.59
189	2	30	5701.79	41.88	-869.53	-869.53	41.87	2.02	22.26	-7.81	-7.43	21.88	-3.34
		33	5805.17	15.65	-883.09	-882.61	15.18	20.71	19.47	-12.22	-11.27	18.52	-5.42
		870	4462.54	15.78	-699.71	-699.11	15.18	20.71	7.93	-14.78	-12.71	5.86	-6.53
		869	4284.45	41.88	-686.03	-686.03	41.87	2.02	10.27	-9.91	-8.87	9.23	-4.46
190	1	27	5644.90	39.62	-878.24	-877.56	38.94	-24.88	21.62	-7.10	-6.91	21.43	-2.30
		30	5787.74	4.56	-894.41	-894.41	4.56	-0.82	18.82	-11.90	-11.19	18.11	-4.63
		869	4604.69	4.56	-748.06	-748.06	4.56	-0.82	7.27	-14.10	-12.58	5.75	-5.49
		298	4383.63	39.74	-732.02	-731.22	38.94	-24.88	9.63	-8.86	-8.30	9.08	-3.15
190	2	27	5523.59	45.47	-839.10	-837.57	43.95	-36.68	21.65	-7.10	-6.94	21.49	-2.17
		30	5670.29	10.21	-854.39	-854.20	10.02	-12.93	18.80	-11.98	-11.31	18.12	-4.51
		869	4320.62	10.27	-666.34	-666.09	10.02	-12.93	7.24	-14.10	-12.64	5.77	-5.39
		298	4094.79	45.88	-651.40	-649.46	43.95	-36.68	9.66	-8.79	-8.27	9.14	-3.05
191	1	348	1631.98	-17.18	-358.03	-19.03	-356.18	-25.03	-64.89	-554.30	-71.17	-548.02	-55.11
		349	1625.32	-17.19	-359.61	-19.03	-357.77	-25.03	-53.43	-546.41	-56.45	-543.39	-38.46
		97	2602.04	-29.65	-359.68	-31.56	-357.77	-25.03	-70.11	-922.44	-71.50	-921.05	-34.31
		575	2603.05	-29.64	-358.10	-31.56	-356.18	-25.03	-83.14	-928.76	-86.22	-925.68	-50.95
191	2	348	1001.12	-20.93	-306.75	-29.72	-297.96	49.36	-19.41	-334.50	-61.95	-291.96	-107.67
		349	995.60	-22.48	-366.24	-29.72	-359.00	49.36	-1.24	-306.41	-32.72	-274.93	-92.82
		97	1567.32	-9.24	-365.96	-16.20	-359.00	49.36	-22.40	-517.39	-33.48	-506.31	-73.20
		575	1552.98	-7.81	-306.35	-16.20	-297.96	49.36	-46.44	-539.60	-62.70	-523.35	-88.05
192	1	351	773.80	153.07	-117.03	81.27	-45.23	119.33	116.81	-153.76	82.65	-119.59	89.87
		71	1265.47	100.14	-673.15	81.27	-654.27	119.33	126.16	-212.33	119.77	-205.94	46.05
		462	1753.40	116.20	-672.75	97.72	-654.27	119.33	23.27	-484.65	8.40	-469.78	-85.63
		349	1048.43	165.34	-112.85	97.72	-45.23	119.33	-23.87	-388.30	-28.73	-383.44	-41.81
192	2	351	759.66	161.19	-192.82	15.71	-47.35	174.18	82.49	-193.91	79.02	-190.44	30.79
		71	1336.13	56.93	-720.28	15.71	-679.06	174.18	47.11	-304.21	45.87	-302.97	-20.84
		462	1125.80	139.08	-716.14	102.00	-679.06	174.18	83.68	-303.99	-34.05	-186.25	-178.27
		349	799.02	216.83	-162.18	102.00	-47.35	174.18	94.46	-169.08	-0.90	-73.72	-126.64
193	1	349	1754.49	113.05	-356.72	109.95	-353.63	-37.99	-29.33	-569.30	-32.04	-566.59	-38.17
		462	1609.43	115.56	-147.61	109.95	-142.00	-37.99	-14.37	-559.40	-20.31	-553.45	-56.62
		99	2328.20	-71.15	-162.38	-91.52	-142.00	-37.99	-91.80	-887.83	-93.77	-885.86	-39.60
		97	2483.73	-86.13	-359.03	-91.52	-353.63	-37.99	-104.94	-899.56	-105.50	-899.00	-21.15
193	2	349	1122.55	112.62	-354.20	111.27	-352.85	25.09	-16.53	-338.49	-36.65	-318.37	-77.93
		462	1036.91	113.16	-221.02	111.27	-219.12	25.09	-22.04	-341.64	-43.71	-319.97	-80.35
		99	1346.50	-51.03	-222.87	-54.77	-219.12	25.09	-50.01	-483.85	-65.88	-467.98	-81.44
		97	1432.31	-52.67	-354.95	-54.77	-352.85	25.09	-44.04	-481.17	-58.82	-466.38	-79.02
194	1	352	1583.44	117.80	-306.53	-74.67	-114.06	-211.25	-38.07	-565.50	-47.49	-556.09	-69.82
		355	1632.71	81.11	-361.13	-74.67	-205.34	-211.25	-34.64	-561.14	-44.05	-551.73	-69.76
		157	2510.28	112.15	-345.90	-28.41	-205.34	-211.25	-83.16	-917.78	-87.25	-913.68	-58.31
		549	2458.63	144.31	-286.78	-28.41	-114.06	-211.25	-86.59	-922.14	-90.68	-918.04	-58.37
194	2	352	1087.57	-6.97	-222.76	-59.87	-169.86	-92.82	-6.01	-357.67	-49.93	-313.75	-116.26
		355	1110.65	-14.77	-250.93	-59.87	-205.84	-92.82	25.92	-343.21	-14.87	-302.42	-115.73
		157	1536.05	24.37	-243.27	-13.06	-205.84	-92.82	-18.84	-524.62	-37.38	-506.08	-95.06
		549	1506.47	30.04	-212.96	-13.06	-169.86	-92.82	-52.78	-537.08	-72.45	-517.41	-95.59
195	1	356	583.21	222.89	-83.48	216.17	-76.76	-44.89	-18.29	-214.35	-131.06	-101.58	-96.92
		363	473.53	223.17	-71.68	216.17	-64.68	-44.89	-42.11	-174.04	-120.57	-95.57	-64.77
		348	1094.30	31.30	-85.67	10.31	-64.68	-44.89	-32.65	-404.22	-39.79	-397.08	-51.00
		355	1153.68	29.31	-95.76	10.31	-76.76	-44.89	-31.66	-421.70	-50.27	-403.09	-83.14
195	2	356	565.33	221.72	-75.65	221.71	-75.63	-2.22	57.78	-155.37	-60.37	-37.23	-105.94
		363	542.02	221.73	-71.19	221.71	-71.18	-2.22	24.80	-159.03	-89.24	-44.99	-89.21
		348	675.42	-2.97	-71.25	-3.04	-71.18	-2.22	9.33	-235.84	-44.77	-181.75	-101.66
		355	738.65	-2.97	-75.70	-3.04	-75.63	-2.22	47.42	-237.30	-15.89	-173.99	-118.40
196	1	370	822.22	28.45	-257.63	-9.47	-219.71	-97.01	211.41	-129.11	-72.23	154.53	-127.03
		85	1151.65	2.88	-771.56	-9.47	-759.21	-97.01	290.19	-10.74	47.03	232.41	-118.53
		84	541.03	-147.24	-774.59	-162.61	-759.21	-97.01	50.15	-10.96	35.09	4.09	-26.33
		83	434.54	-90.04	-292.28	-162.61	-219.71	-97.01	-43.77	-114.19	-84.16	-73.79	-34.83
196	2	370	1676.51	591.27	-1509.17	-659.59	-258.31	1030.88	139.46	-66.51	-4.50	77.46	-94.48
		85	1858.48	217.20	-1871.63	-659.59	-994.84	1030.88	188.58	-20.81	61.92	105.85	-102.36
		84	1584.57	571.59	-1673.27	-106.84	-994.84	1030.88	65.75	-108.48	26.56	-69.30	-72.74
		83	1491.94	851.08	-1216.23	-106.84	-258.31	1030.88	2.24	-139.79	-39.86	-97.69	-64.86
197	1	371	781.19	221.61	-499.22	-11.29	-266.32	-337.10	160.50	-56.44	-22.10	126.16	-79.19
		382	789.22	238.41	-466.39	-11.29	-216.69	-337.10	152.45	-72.45	-42.06	122.06	-76.89
		361	828.25	78.97	-601.04	-305.39	-216.69	-337.10	33.71	-130.29	-53.51	-43.07	-81.83
		360	829.26	51.81	-623.52	-305.39	-266.32	-337.10	47.92	-120.44	-33.55	-38.97	-84.13
197	2	371	1423.79	851.80	-752.65	127.29	-28.14	798.45	105.45	-109.79	-15.82	11.49	-106.75
		382	1402.69	819.56	-793.63	127.29	-101.35	798.45	127.98	-76.97	25.66	25.35	-102.47
		361	1324.86	582.60	-1033.47	-349.51	-101.35	798.45	78.21	-95.65	32.22	-49.66	-76.69
		360	1333.02	625.63	-1003.29	-349.51	-28.14	798.45	49.00	-121.78	-9.26	-63.53	-80.97
198	1	277	1359.56	18.97	-1191.10	-291.98	-880.15	-528.76	323.03	160.92	162.93	321.03	-17.92
		384	1027.55	154.72	-917.87	-291.98	-471.18	-528.76	265.14	20.22	23.74	261.63	-29.13
		383	1285.48	281.99	-842.39	-89.22	-471.18	-528.76	39.55	-207.26	-51.23	-116.48	-119.02

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
198	2	525	1391.00	175.60	-1144.97	-89.22	-880.15	-528.76	145.37	-114.49	87.95	-57.08	-107.81
		277	980.87	-111.87	-1212.05	-348.69	-975.24	452.17	27.32	-130.38	-39.02	-64.05	-77.85
		384	1043.72	207.76	-716.13	-348.69	-159.68	452.17	119.57	-95.50	56.13	-32.06	-98.08
		383	787.46	307.91	-596.94	-129.35	-159.68	452.17	28.70	-100.13	-1.80	-69.63	-54.76
		525	883.92	66.85	-1171.44	-129.35	-975.24	452.17	-64.68	-133.90	-96.95	-101.63	-34.53
199	1	363	419.70	236.68	-64.58	235.20	-63.10	-21.07	-68.03	-146.17	-109.91	-104.30	-38.97
		351	366.37	236.79	-42.40	235.20	-40.80	-21.07	-88.52	-123.28	-91.65	-120.15	9.94
		349	1070.59	24.38	-47.61	17.57	-40.80	-21.07	-36.11	-405.48	-36.82	-404.77	-16.22
		348	1069.01	22.74	-68.27	17.57	-63.10	-21.07	-42.82	-401.18	-55.08	-388.92	-65.14
199	2	363	418.00	221.62	-73.29	219.29	-70.96	26.10	21.82	-112.79	-46.25	-44.72	-67.30
		351	376.62	221.88	-43.66	219.29	-41.07	26.10	-24.73	-120.70	-66.81	-78.62	-47.62
		349	666.58	15.10	-53.20	2.97	-41.07	26.10	-4.09	-251.02	-46.58	-208.52	-93.21
		348	688.81	11.26	-79.25	2.97	-70.96	26.10	34.82	-235.47	-26.03	-174.62	-112.90
200	1	364	772.62	228.21	-109.40	211.85	-93.04	-72.50	30.54	-240.49	-102.13	-107.82	-135.48
		356	646.46	228.79	-98.53	211.85	-81.60	-72.50	25.26	-192.65	-75.64	-91.74	-108.66
		355	1162.47	-0.87	-146.71	-65.99	-81.60	-72.50	-2.57	-414.78	-15.27	-402.08	-71.23
		352	1230.80	-5.76	-153.27	-65.99	-93.04	-72.50	-17.74	-442.17	-41.76	-418.16	-98.06
200	2	364	644.84	216.19	-93.21	213.37	-90.39	-29.42	81.38	-173.42	-51.55	-40.49	-127.28
		356	573.36	216.30	-81.73	213.37	-78.80	-29.42	48.24	-173.24	-79.88	-45.12	-109.37
		355	721.90	-29.81	-96.47	-47.48	-78.80	-29.42	33.07	-232.90	-29.73	-170.10	-112.96
		352	801.61	-32.52	-105.35	-47.48	-90.39	-29.42	71.02	-237.88	-1.40	-165.47	-130.86
201	1	203	2167.74	-78.94	-831.41	-193.64	-716.72	-270.47	303.26	-432.23	261.93	-390.90	-169.38
		359	2115.07	115.90	-429.96	-193.64	-120.42	-270.47	464.33	-368.29	359.21	-263.18	-276.53
		357	1251.31	279.04	-303.55	95.91	-120.42	-270.47	67.72	-357.05	65.26	-354.60	-32.21
		504	1753.70	177.70	-798.50	95.91	-716.72	-270.47	-19.88	-494.47	-32.02	-482.32	74.94
201	2	203	1573.26	-79.03	-812.52	-156.38	-735.17	-225.28	500.77	165.76	182.39	484.14	-72.76
		359	1151.03	89.57	-362.74	-156.38	-116.79	-225.28	384.34	-34.21	-26.10	376.22	-57.71
		357	1829.18	249.50	-255.35	110.93	-116.79	-225.28	22.44	-577.72	-87.60	-467.68	-232.24
		504	2190.68	167.18	-791.42	110.93	-735.17	-225.28	225.40	-464.27	120.89	-359.76	-247.29
202	1	128	1212.17	306.09	-115.71	12.09	178.29	193.84	51.47	-107.33	-14.66	-41.21	-78.28
		74	1212.17	306.09	-115.71	12.09	178.29	193.84	51.47	-107.33	-14.66	-41.21	-78.28
		443	1212.17	306.09	-115.71	12.09	178.29	193.84	51.47	-107.33	-14.66	-41.21	-78.28
202	2	128	2802.88	486.23	-1252.89	-345.66	-421.01	-868.74	18.33	-222.65	-169.79	-34.53	-99.72
		74	2802.88	486.23	-1252.89	-345.66	-421.01	-868.74	18.33	-222.65	-169.79	-34.53	-99.72
		443	2802.88	486.23	-1252.89	-345.66	-421.01	-868.74	18.33	-222.65	-169.79	-34.53	-99.72
203	1	867	460.33	278.38	-57.37	278.21	-57.20	-7.51	-5.50	-122.17	-89.79	-37.88	-52.25
		387	300.78	278.49	75.83	278.21	76.11	-7.51	-40.66	-65.89	-59.38	-47.18	-11.04
		386	282.92	76.55	-51.53	-51.09	76.11	-7.51	-23.66	-95.70	-29.58	-89.78	-19.79
		385	369.88	-46.04	-62.25	-51.09	-57.20	-7.51	-8.39	-132.08	-59.99	-80.49	-60.99
203	2	867	375.13	251.29	-34.35	250.70	-33.76	-13.00	68.46	-67.08	-12.36	13.74	-66.50
		387	339.71	251.66	75.52	250.70	76.49	-13.00	59.10	-64.71	-22.05	16.44	-58.84
		386	305.32	77.61	-73.21	-72.08	76.49	-13.00	49.95	-64.29	-17.19	2.85	-56.23
		385	315.89	-29.77	-76.07	-72.08	-33.76	-13.00	60.33	-67.68	-7.50	0.14	-63.89
204	1	868	746.22	181.96	-26.68	179.45	-24.16	-22.78	95.19	-209.47	-95.31	-18.97	-147.47
		390	591.17	182.14	-13.09	179.45	-10.39	-22.78	60.94	-167.69	-97.01	-9.74	-105.66
		389	533.22	10.51	-35.22	-14.32	-10.39	-22.78	23.17	-177.98	-38.90	-115.91	-92.91
		388	718.88	4.06	-42.54	-14.32	-24.16	-22.78	60.55	-222.89	-37.19	-125.14	-134.72
204	2	868	281.25	180.56	-46.39	180.35	-46.19	6.82	44.04	-56.51	2.72	-15.19	-49.47
		390	296.94	180.60	-4.73	180.35	-4.48	6.82	48.40	-67.90	-1.93	-17.57	-57.62
		389	313.28	9.48	-7.81	6.15	-4.48	6.82	81.49	-48.70	-8.67	41.46	-60.08
		388	292.50	7.03	-47.06	6.15	-46.19	6.82	77.07	-37.26	-4.02	43.83	-51.92
205	1	212	2975.07	-235.16	-1017.65	-336.59	-916.22	-262.83	244.70	-759.00	171.62	-685.92	-260.80
		392	2568.76	148.07	-479.13	-336.59	5.53	-262.83	476.87	-550.43	215.11	-288.66	-447.65
		391	618.11	339.19	-201.51	132.16	5.53	-262.83	110.36	-20.81	27.37	62.17	-63.23
		408	1550.68	194.36	-978.42	132.16	-916.22	-262.83	26.18	-377.38	-16.12	-335.08	123.62
205	2	212	2563.79	-189.56	-972.18	-287.83	-873.91	-259.33	734.63	-66.27	-65.60	733.96	23.12
		392	1650.68	150.22	-441.36	-287.83	-3.31	-259.33	416.74	-254.96	-196.29	358.07	189.65
		391	1266.66	319.10	-211.90	110.50	-3.31	-259.33	20.89	-368.88	-68.03	-279.96	-163.56
		408	1889.61	174.64	-938.05	110.50	-873.91	-259.33	409.80	-251.21	62.67	95.93	-330.09
206	1	355	1584.01	108.58	-328.68	-15.05	-205.05	-196.91	-43.42	-544.75	-50.30	-537.87	-58.30
		348	1666.01	74.41	-448.50	-15.05	-359.04	-196.91	-67.13	-549.58	-73.48	-543.23	-54.96
		575	2624.88	19.31	-461.52	-83.17	-359.04	-196.91	-103.45	-938.07	-108.15	-933.38	-62.43
		157	2538.62	62.02	-350.23	-83.17	-205.05	-196.91	-79.87	-933.12	-84.97	-928.02	-65.77
206	2	355	1035.35	4.23	-234.65	-24.56	-205.87	-77.77	-7.19	-332.62	-46.48	-293.34	-106.03
		348	1079.70	-4.10	-320.07	-24.56	-299.60	-77.77	-4.99	-328.55	-41.71	-291.83	-102.62
		575	1601.67	-26.68	-321.76	-48.84	-299.60	-77.77	-36.13	-540.95	-56.75	-520.34	-99.91
		157	1548.18	-16.84	-237.86	-48.84	-205.87	-77.77	-39.39	-543.97	-61.51	-521.84	-103.31
207	1	24	5107.90	48.51	-775.77	-770.82	43.56	-63.65	21.14	-5.44	-5.41	21.12	-0.81
		27	5276.37	-2.20	-795.03	-793.84	-3.40	-30.78	17.97	-10.84	-10.44	17.57	-3.37
		298	4100.63	-1.94	-650.99	-649.53	-3.40	-30.78	6.68	-12.48	-11.52	5.71	-4.19
		297	3841.48	49.56	-632.51	-626.52	43.56	-63.65	9.43	-6.66	-6.49	9.27	-1.63
207	2	24	4988.36	54.51	-739.01	-732.29	47.79	-72.68	21.19	-5.42	-5.40	21.17	-0.72

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		27	5161.64	5.84	-756.26	-753.97	3.55	-41.71	17.96	-10.89	-10.51	17.58	-3.29
		298	3830.01	6.56	-573.13	-570.11	3.55	-41.71	6.68	-12.48	-11.54	5.74	-4.13
		297	3567.08	56.52	-557.16	-548.43	47.79	-72.68	9.48	-6.59	-6.44	9.33	-1.56
208	1	21	4234.90	40.99	-616.29	-605.32	30.02	-84.20	21.43	-2.73	-2.70	21.40	0.83
		24	4459.78	0.53	-628.25	-622.56	-5.17	-59.57	16.90	-9.46	-9.34	16.78	-1.79
		297	3334.79	2.01	-499.46	-492.28	-5.17	-59.57	6.92	-10.00	-9.31	6.24	-3.33
		167	2999.42	43.69	-488.70	-475.04	30.02	-84.20	10.89	-2.71	-2.67	10.85	-0.70
208	2	21	4140.11	49.26	-585.22	-571.58	35.63	-92.02	21.48	-2.69	-2.66	21.45	0.89
		24	4364.33	9.55	-595.99	-588.18	1.75	-68.30	16.92	-9.48	-9.36	16.80	-1.75
		297	3102.07	12.51	-431.92	-421.17	1.75	-68.30	6.92	-9.98	-9.31	6.25	-3.30
		167	2771.19	54.09	-423.03	-404.57	35.63	-92.02	10.92	-2.64	-2.61	10.89	-0.66
209	1	504	1914.57	106.24	-401.57	106.17	-401.50	5.80	-42.75	-627.99	-50.45	-620.29	-66.71
		357	1852.38	106.26	-264.70	106.17	-264.61	5.80	54.95	-587.56	40.87	-573.49	-94.06
		112	2448.31	-68.82	-264.78	-69.00	-264.61	5.80	-69.14	-892.22	-69.56	-891.80	-18.60
		325	2566.72	-68.89	-401.60	-69.00	-401.50	5.80	-160.78	-938.70	-160.88	-938.60	8.75
209	2	504	1138.78	128.51	-373.39	121.50	-366.39	58.88	44.83	-301.65	35.84	-292.65	-55.10
		357	1130.69	129.40	-317.31	121.50	-309.41	58.88	46.09	-318.80	25.81	-298.51	-83.61
		112	1602.72	-33.75	-321.99	-46.33	-309.41	58.88	-61.51	-566.12	-79.44	-548.19	-93.41
		325	1610.26	-35.84	-376.88	-46.33	-366.39	58.88	-60.66	-551.07	-69.41	-542.33	-64.90
210	1	359	1205.76	170.84	-161.38	121.01	-111.55	-118.62	108.21	-318.58	6.65	-217.02	-181.75
		364	1152.34	172.82	-150.59	121.01	-98.78	-118.62	148.23	-267.41	42.57	-161.76	-180.97
		352	1222.35	34.63	-204.25	-70.85	-98.78	-118.62	29.00	-410.72	16.28	-398.00	-73.71
		357	1326.53	29.15	-211.55	-70.85	-111.55	-118.62	-7.21	-465.69	-19.65	-453.26	-74.48
210	2	359	769.07	153.60	-129.10	133.15	-108.66	-73.22	227.34	-79.89	5.51	141.94	-137.63
		364	695.93	154.63	-116.42	133.15	-94.94	-73.22	158.33	-123.49	-78.01	112.84	-103.68
		352	998.07	8.61	-146.71	-43.16	-94.94	-73.22	41.99	-314.76	-30.90	-241.87	-143.84
		357	1146.11	4.30	-156.12	-43.16	-108.66	-73.22	141.77	-301.93	52.62	-212.77	-177.79
211	1	357	1717.92	8.58	-364.22	-81.58	-274.06	-159.64	-5.38	-572.71	-13.48	-564.61	-67.29
		352	1602.07	62.18	-258.85	-81.58	-115.09	-159.64	-11.91	-568.31	-22.43	-557.79	-75.80
		549	2406.72	87.24	-241.04	-38.71	-115.09	-159.64	-81.86	-905.56	-86.13	-901.29	-59.18
		112	2531.41	41.93	-354.71	-38.71	-274.06	-159.64	-74.10	-911.19	-77.18	-908.11	-50.66
211	2	357	1212.54	-37.92	-340.54	-60.23	-318.24	-79.07	15.84	-366.40	-16.68	-333.88	-106.64
		352	1156.05	-18.81	-211.21	-60.23	-169.80	-79.07	53.96	-355.91	14.87	-316.81	-120.39
		549	1483.14	21.11	-202.55	-11.64	-169.80	-79.07	-25.49	-518.31	-43.48	-500.32	-92.43
		112	1566.23	7.55	-337.43	-11.64	-318.24	-79.07	-61.46	-530.96	-75.03	-517.39	-78.67
212	1	140	1002.32	161.73	-113.09	55.26	-6.62	-133.88	48.30	-97.08	-57.89	9.11	64.51
		128	1112.37	226.95	-99.13	69.86	57.97	-162.93	4.88	-139.58	-103.34	-31.36	62.63
		443	835.25	179.71	-137.72	2.78	39.21	-157.66	75.76	-60.46	-59.24	74.54	-12.82
		442	830.84	141.91	-137.07	-7.31	12.14	-139.15	115.94	-14.72	-13.80	115.01	-10.94
212	2	140	1360.91	182.95	-164.20	-61.33	80.09	158.52	-51.63	-224.61	-89.20	-187.05	71.32
		128	2478.96	14.11	-1059.19	-251.55	-793.53	463.21	-7.46	-242.12	-39.85	-209.74	80.94
		443	1105.15	188.20	-796.33	-116.64	-491.50	455.19	-36.62	-64.83	-60.41	-41.04	10.26
		442	775.11	90.00	-310.85	1.09	-221.94	166.54	-18.35	-109.76	-109.76	-18.36	0.64
213	1	446	382.29	211.73	-137.48	184.78	-110.52	-93.20	-24.73	-35.40	-24.81	-35.32	-0.94
		77	382.29	211.73	-137.48	184.78	-110.52	-93.20	-24.73	-35.40	-24.81	-35.32	-0.94
		124	382.29	211.73	-137.48	184.78	-110.52	-93.20	-24.73	-35.40	-24.81	-35.32	-0.94
213	2	446	2479.20	-7.26	-1652.29	-839.11	-820.44	822.46	-103.55	-189.31	-120.38	-172.47	34.06
		77	2479.20	-7.26	-1652.29	-839.11	-820.44	822.46	-103.55	-189.31	-120.38	-172.47	34.06
		124	2479.20	-7.26	-1652.29	-839.11	-820.44	822.46	-103.55	-189.31	-120.38	-172.47	34.06
214	1	124	325.39	161.61	-70.23	-1.62	92.99	-105.83	20.39	-1.52	1.43	17.43	-7.49
		139	426.99	96.01	-66.25	-24.90	54.66	-70.70	48.07	-1.61	8.87	37.59	-20.26
		445	588.28	165.58	-0.06	100.84	64.68	-80.83	21.70	-58.32	-16.99	-19.63	39.99
		446	774.06	199.99	4.70	121.72	82.97	-95.71	21.22	-85.43	-24.42	-39.79	52.77
214	2	124	866.54	281.13	-458.66	53.18	-230.70	341.58	-29.79	-84.70	-30.31	-84.18	-5.32
		139	847.03	202.64	-646.11	-14.55	-428.91	370.37	-22.80	-57.50	-32.06	-48.24	-15.35
		445	1649.74	69.23	-734.67	-368.14	-297.30	400.39	12.19	-144.70	-41.12	-91.38	74.31
		446	1719.50	-35.24	-659.08	-332.00	-362.32	311.55	11.76	-178.46	-39.38	-127.32	84.34
215	1	360	1068.06	27.82	-779.45	-332.55	-419.07	-401.31	-21.28	-230.48	-50.82	-200.95	-72.84
		361	1089.54	-12.72	-836.10	-332.55	-516.27	-401.31	-50.20	-235.16	-75.68	-209.68	-63.75
		316	1752.99	39.68	-805.96	-250.00	-516.27	-401.31	-63.59	-520.94	-78.19	-506.34	-80.41
		303	1717.07	75.58	-744.65	-250.00	-419.07	-401.31	-35.97	-514.96	-53.33	-497.61	-89.51
215	2	360	1371.09	414.01	-1306.72	-397.72	-494.99	858.99	24.34	-185.67	-7.36	-153.97	-75.19
		361	1398.45	441.63	-1276.81	-397.72	-437.46	858.99	40.34	-180.74	7.67	-148.07	-78.45
		316	1304.76	603.62	-1146.21	-105.14	-237.46	858.99	24.51	-164.59	-2.91	-137.18	-66.58
		303	1285.97	580.77	-1180.89	-105.14	-494.99	858.99	8.50	-169.52	-17.94	-143.08	-63.31
216	1	382	714.23	157.03	-349.33	19.04	-211.33	-225.47	154.92	-90.82	-54.84	118.95	-86.86
		370	688.39	153.90	-357.89	19.04	-223.03	-225.47	161.94	-69.24	-33.35	126.05	-83.72
		83	641.62	-8.98	-460.51	-246.46	-223.03	-225.47	32.26	-109.06	-41.29	-35.51	-70.60
		361	671.99	-2.75	-455.05	-246.46	-211.33	-225.47	21.74	-127.14	-62.79	-42.61	-73.75
216	2	382	1526.52	814.91	-977.32	-51.07	-111.34	895.61	112.02	-102.41	-17.02	26.63	-104.97
		370	1507.48	756.99	-1043.71	-51.07	-235.65	895.61	122.73	-76.43	8.45	37.86	-98.49
		83	1405.89	610.38	-1183.74	-337.70	-235.65	895.61	68.96	-96.51	21.60	-49.16	-74.79

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		361	1434.97	678.21	-1127.25	-337.70	-111.34	895.61	53.92	-118.17	-3.87	-60.39	-81.27
217	1	361	1041.13	-24.36	-786.69	-294.38	-516.67	-364.60	-32.20	-219.36	-59.87	-191.69	-66.43
		83	1106.86	-84.23	-926.94	-294.38	-716.78	-364.60	-59.23	-220.07	-81.56	-197.74	-55.61
		305	1858.96	-84.46	-927.01	-294.69	-716.78	-364.60	-72.17	-535.76	-81.65	-526.29	-65.60
		316	1762.90	-24.56	-786.80	-294.69	-516.67	-364.60	-47.60	-532.59	-59.95	-520.24	-76.41
217	2	361	1385.72	526.50	-1332.45	-372.36	-433.59	928.97	49.88	-143.45	30.63	-124.21	-57.88
		83	1364.65	498.92	-1362.84	-372.36	-491.56	928.97	-6.04	-170.82	-32.03	-144.82	-60.07
		305	1530.53	674.24	-1231.81	-66.01	-491.56	928.97	8.33	-228.36	-43.75	-176.28	-98.05
		316	1527.54	697.18	-1196.78	-66.01	-433.59	928.97	61.27	-198.03	18.91	-155.67	-95.87
218	1	525	1149.68	0.89	-785.96	-81.86	-703.20	-241.39	14.42	-227.15	-12.21	-200.53	-75.64
		383	1096.23	23.95	-632.55	-81.86	-526.74	-241.39	56.86	-218.46	23.56	-185.16	-89.77
		293	1605.94	-143.15	-678.65	-295.05	-526.75	-241.39	-39.16	-490.34	-49.17	-480.32	-66.47
		319	1702.51	-183.03	-815.22	-295.05	-703.20	-241.39	-78.38	-502.25	-84.94	-495.69	-52.34
218	2	525	1247.74	371.44	-1093.54	-133.35	-588.74	696.20	-20.72	-212.58	-94.70	-138.60	-93.39
		383	1237.32	362.79	-1110.28	-133.35	-614.13	696.20	46.93	-156.97	-11.89	-98.15	-92.38
		293	1281.49	326.01	-1129.69	-189.54	-614.13	696.20	-29.10	-292.18	-32.15	-289.14	-28.15
		319	1304.34	335.11	-1113.39	-189.54	-588.74	696.20	-111.07	-333.47	-114.96	-329.58	-29.16
219	1	384	786.09	145.81	-807.85	-188.21	-473.83	-454.94	199.03	33.66	52.94	179.76	-53.06
		371	850.74	226.35	-687.47	-188.21	-272.91	-454.94	158.56	-49.96	-35.85	144.45	-52.37
		360	1057.67	200.06	-710.52	-237.55	-272.91	-454.94	46.91	-161.65	-58.15	-56.60	-104.28
		383	1066.10	114.34	-825.72	-237.55	-473.83	-454.94	112.80	-103.46	30.63	-21.29	-104.97
219	2	384	1322.86	830.52	-593.17	369.74	-132.38	666.10	118.68	-114.45	17.69	-13.46	-115.52
		371	1376.92	870.25	-516.73	369.74	-16.22	666.10	169.86	-92.74	56.69	20.44	-130.04
		360	1152.37	487.62	-896.85	-393.01	-16.22	666.10	50.12	-104.13	8.39	-62.41	-68.52
		383	1062.47	416.03	-941.42	-393.01	-132.38	666.10	-0.25	-126.67	-30.61	-96.31	-54.00
220	1	383	1105.37	-19.63	-766.14	-249.80	-535.97	-344.74	6.81	-234.42	-15.24	-212.37	-69.52
		360	1053.68	21.67	-687.59	-249.80	-416.12	-344.74	-34.37	-253.55	-56.21	-231.71	-65.65
		303	1626.37	1.35	-700.80	-283.32	-416.12	-344.74	-53.39	-497.18	-75.24	-475.32	-96.03
		293	1688.61	-42.49	-776.80	-283.32	-535.97	-344.74	-11.81	-478.45	-34.27	-455.98	-99.89
220	2	383	1301.04	172.17	-1249.77	-451.37	-626.24	705.58	-8.39	-236.24	-76.13	-168.50	-104.15
		360	1369.24	232.07	-1179.80	-451.37	-496.36	705.58	95.92	-166.62	39.51	-110.21	-107.83
		303	1098.28	451.18	-1021.76	-74.23	-496.36	705.58	22.96	-176.63	21.92	-175.59	-14.33
		293	1203.36	407.41	-1107.87	-74.23	-626.24	705.58	-92.91	-234.68	-93.71	-233.88	-10.64
221	1	385	468.16	-0.71	-198.71	-74.73	-124.68	95.80	-28.63	-178.26	-52.86	-154.03	-55.12
		386	562.19	-32.61	-292.59	-74.73	-250.46	95.80	-50.53	-180.58	-55.79	-175.31	-25.64
		404	720.45	9.79	-285.72	-25.47	-250.46	95.80	-28.73	-233.18	-36.79	-225.13	-39.78
		324	617.12	32.80	-182.96	-25.47	-124.68	95.80	-9.21	-228.49	-33.86	-203.84	-69.26
221	2	385	420.94	44.24	-148.85	-89.43	-15.18	89.12	76.25	-63.93	-11.75	24.07	-67.76
		386	433.94	-46.45	-274.23	-89.43	-231.26	89.12	71.81	-53.58	-7.33	25.56	-60.50
		404	428.30	-14.02	-267.82	-50.59	-231.26	89.12	70.97	-50.96	-1.64	21.65	-59.85
		324	416.84	57.98	-123.75	-50.59	-15.18	89.12	75.43	-61.34	-6.06	20.16	-67.11
222	1	387	545.34	189.59	-400.83	-262.67	51.43	249.96	52.56	-35.51	-19.40	36.45	34.05
		80	809.33	-173.91	-966.61	-262.67	-877.85	249.96	98.46	-31.16	88.89	-21.59	33.89
		496	1338.73	139.80	-939.25	78.40	-877.85	249.96	64.61	-229.11	63.93	-228.43	-14.09
		386	556.00	315.24	-185.42	78.40	51.43	249.96	-42.83	-171.91	-44.36	-170.39	-13.93
222	2	387	529.87	183.44	-374.35	-247.08	56.17	234.08	22.02	-88.54	21.24	-87.76	-9.25
		80	1005.24	-170.68	-964.32	-247.08	-887.92	234.08	41.01	-203.49	13.01	-175.49	-77.86
		496	1154.59	140.33	-941.21	87.04	-887.92	234.08	140.37	-136.40	-21.06	25.02	-136.45
		386	665.40	306.19	-162.98	87.04	56.17	234.08	142.41	-42.49	-12.83	112.76	-67.85
223	1	386	590.51	138.03	-291.84	86.67	-240.49	139.42	14.11	-146.85	10.21	-142.95	-24.76
		496	732.56	120.85	-482.15	86.67	-447.98	139.42	34.64	-147.82	23.65	-136.83	-43.42
		327	929.36	20.77	-489.45	-20.69	-447.98	139.42	2.01	-247.91	-4.69	-241.21	-40.37
		404	792.97	46.93	-308.12	-20.69	-240.49	139.42	-16.09	-249.37	-18.13	-247.33	-21.71
223	2	386	433.47	128.45	-256.20	90.79	-218.54	114.31	37.59	-73.07	-21.33	-14.15	-55.22
		496	584.14	110.55	-570.52	90.79	-550.76	114.31	35.51	-87.86	-33.10	-19.24	-61.30
		327	691.20	4.68	-574.29	-18.85	-550.76	114.31	87.41	-64.39	-29.63	52.65	-63.78
		404	510.24	33.08	-270.47	-18.85	-218.54	114.31	88.93	-49.03	-17.85	57.74	-57.70
224	1	388	686.31	64.77	-84.25	-15.65	-3.83	-74.28	28.09	-214.88	-40.83	-145.95	-109.53
		389	643.17	42.31	-110.83	-15.65	-52.88	-74.28	17.91	-198.66	-40.66	-140.10	-96.19
		394	723.64	27.75	-121.30	-40.68	-52.88	-74.28	11.47	-237.33	-25.32	-200.53	-88.32
		328	755.32	54.27	-98.78	-40.68	-3.83	-74.28	20.13	-252.00	-25.49	-206.38	-101.65
224	2	388	331.24	1.74	-95.37	0.54	-94.17	10.73	66.29	-64.96	-11.68	13.02	-64.45
		389	325.08	2.71	-52.30	0.54	-50.13	10.73	68.14	-64.62	-8.26	11.78	-65.62
		394	373.82	-42.00	-64.28	-56.16	-50.13	10.73	103.30	-47.13	-4.39	60.55	-67.84
		328	388.47	-53.34	-96.98	-56.16	-94.17	10.73	102.21	-48.22	-7.81	61.79	-66.68
225	1	390	604.50	192.84	-7.68	191.03	-5.87	-18.93	46.14	-179.74	-108.29	-25.31	-105.05
		867	499.27	192.47	-57.84	191.03	-56.40	-18.93	12.81	-145.17	-111.17	-21.19	-64.93
		385	395.32	52.72	-59.69	49.43	-56.40	-18.93	-12.40	-138.96	-52.51	-98.85	-58.89
		389	537.91	55.29	-11.73	49.43	-5.87	-18.93	26.24	-178.83	-49.62	-102.98	-99.01
225	2	390	289.09	170.49	-4.53	170.20	-4.25	7.05	56.27	-53.19	-1.38	4.46	-54.66
		867	313.83	170.45	-33.30	170.20	-33.06	7.05	55.99	-62.19	-5.69	-0.51	-59.03
		385	321.78	21.04	-33.98	20.12	-33.06	7.05	68.06	-64.61	-11.28	14.73	-65.05

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		389	298.35	22.02	-6.14	20.12	-4.25	7.05	68.48	-55.75	-6.97	19.70	-60.67
226	1	389	597.52	81.25	-90.28	42.80	-51.83	-71.54	3.30	-188.94	-49.31	-136.33	-85.71
		385	558.72	69.64	-147.85	42.80	-121.01	-71.54	-28.66	-179.01	-62.39	-145.28	-62.72
		324	725.55	-27.20	-175.56	-81.75	-121.01	-71.54	-6.14	-238.95	-31.62	-213.47	-72.68
		394	749.63	6.29	-139.88	-81.75	-51.83	-71.54	21.89	-244.95	-18.53	-204.52	-95.67
226	2	389	311.75	21.48	-51.89	18.85	-49.26	13.63	74.31	-47.72	-1.24	27.83	-59.26
		385	297.02	24.37	-14.77	18.85	-9.25	13.63	58.06	-62.11	-16.33	12.28	-58.35
		324	380.57	-5.83	-63.47	-60.04	-9.25	13.63	88.91	-70.89	-12.60	30.62	-76.92
		394	399.98	-40.00	-69.30	-60.04	-49.26	13.63	105.16	-56.50	2.49	46.17	-77.82
227	1	408	1356.89	138.55	-566.05	137.46	-564.96	-27.67	11.79	-368.89	-50.84	-306.25	-141.14
		391	1106.94	139.39	-259.26	137.46	-257.33	-27.67	127.41	-270.12	36.58	-179.29	-166.90
		381	805.12	-41.16	-260.87	-44.70	-257.33	-27.67	11.16	-236.84	-0.60	-225.09	-52.70
		353	1215.24	-43.23	-566.43	-44.70	-564.96	-27.67	-85.30	-354.77	-88.02	-352.05	-26.94
227	2	408	538.40	123.15	-479.18	115.99	-472.03	-65.25	102.67	9.83	31.36	81.14	-39.19
		391	380.80	125.69	-323.36	115.99	-313.67	-65.25	64.37	-20.71	0.31	43.35	-36.69
		381	461.53	-13.69	-327.87	-27.89	-313.67	-65.25	61.91	-78.60	-3.42	-13.27	-70.08
		353	497.50	-18.50	-481.42	-27.89	-472.03	-65.25	98.67	-46.52	27.63	24.51	-72.58
228	1	1066	3915.28	214.26	-427.74	-356.67	143.18	-201.44	25.59	1.74	1.96	25.37	2.31
		21	3599.47	-21.52	-457.99	-444.15	-35.36	-76.46	16.83	-8.46	-8.46	16.83	0.09
		167	2275.84	-9.74	-263.60	-237.99	-35.36	-76.46	9.17	-7.09	-5.55	7.63	-4.77
		270	2851.12	245.62	-252.94	-150.50	143.18	-201.44	16.72	4.32	4.87	16.17	-2.55
228	2	1066	3814.71	205.34	-408.06	-337.55	134.83	-195.65	25.54	1.74	1.97	25.31	2.33
		21	3533.73	-7.43	-432.99	-415.72	-24.70	-83.98	16.80	-8.46	-8.46	16.80	0.08
		167	2172.09	11.18	-221.27	-185.39	-24.70	-83.98	9.18	-7.08	-5.56	7.66	-4.73
		270	2725.55	243.86	-216.26	-107.22	134.83	-195.65	16.70	4.34	4.86	16.17	-2.49
229	1	392	1005.54	168.51	19.14	165.27	22.39	-21.77	147.32	-270.07	-40.29	-82.46	-207.63
		868	816.16	167.67	-31.88	165.27	-29.48	-21.77	129.48	-211.27	-50.53	-31.27	-170.10
		388	657.13	-22.34	-95.87	-88.74	-29.48	-21.77	59.47	-202.83	-15.91	-127.44	-118.70
		391	866.00	26.50	-92.85	-88.74	22.39	-21.77	86.41	-270.72	-5.68	-178.64	-156.23
229	2	392	230.02	188.46	13.67	187.14	14.99	-15.11	56.39	-18.23	-0.40	38.56	-31.82
		868	263.57	188.10	-50.68	187.14	-49.72	-15.11	36.59	-43.58	-18.64	11.65	-37.11
		388	339.07	-38.75	-70.53	-59.56	-49.72	-15.11	80.82	-58.15	-21.27	43.94	-61.36
		391	357.44	17.94	-62.50	-59.56	14.99	-15.11	101.05	-33.23	-3.03	70.85	-56.07
230	1	391	909.48	-56.57	-319.59	-105.09	-271.07	-102.02	54.28	-239.34	-4.20	-180.86	-117.27
		388	769.31	55.98	-169.71	-105.09	-8.64	-102.02	44.79	-229.77	-21.93	-163.05	-117.76
		328	778.66	82.70	-122.59	-31.26	-8.64	-102.02	14.28	-254.47	-28.38	-211.81	-98.21
		381	957.18	6.27	-308.60	-31.26	-271.07	-102.02	26.61	-266.89	-10.66	-229.62	-97.72
230	2	391	502.56	-58.58	-349.29	-82.79	-325.07	-80.33	57.52	-103.75	-39.39	-6.84	-78.98
		388	469.70	-9.22	-170.51	-82.79	-96.94	-80.33	103.77	-60.65	5.06	38.06	-80.53
		328	312.44	31.23	-147.29	-19.12	-96.94	-80.33	93.29	-12.94	7.33	73.02	-41.74
		381	355.37	0.69	-344.88	-19.12	-325.07	-80.33	47.25	-56.25	-37.11	28.12	-40.18
231	1	487	599.07	278.44	-641.93	273.24	-636.74	68.95	37.95	15.33	17.95	35.33	7.24
		398	216.71	295.85	62.90	273.24	85.50	68.95	43.73	-2.10	0.09	41.55	9.77
		411	232.21	114.42	-78.93	-50.02	85.50	68.95	44.48	-3.67	1.92	38.90	15.42
		330	474.92	-42.02	-644.73	-50.02	-636.74	68.95	40.64	11.82	19.78	32.68	12.88
231	2	487	568.52	222.06	-690.55	221.21	-689.70	-27.83	-8.89	-48.34	-30.87	-26.37	19.59
		398	337.43	223.50	-117.62	221.21	-115.33	-27.83	73.63	11.87	13.89	71.61	-10.98
		411	575.55	-15.38	-123.08	-23.12	-115.33	-27.83	178.89	-15.71	-0.92	164.10	51.57
		330	808.10	-21.96	-690.86	-23.12	-689.70	-27.83	109.58	-89.13	-45.68	66.12	82.14
232	1	165	3618.66	-231.84	-328.70	-322.67	-237.87	23.40	33.50	9.70	9.70	33.50	-0.39
		1066	3736.08	165.77	-278.01	-175.24	62.99	-187.20	24.90	-5.70	-5.67	24.87	-1.03
		270	2523.39	328.64	-68.93	196.72	62.99	-187.20	10.01	-3.68	1.11	5.23	-6.53
		246	2294.54	51.19	-239.77	49.29	-237.87	23.40	21.19	9.14	16.48	13.86	-5.88
232	2	165	3545.59	-212.82	-298.58	-295.46	-215.94	16.05	33.60	9.77	9.77	33.60	-0.29
		1066	3667.67	165.70	-258.60	-157.83	64.93	-180.56	24.90	-5.61	-5.58	24.87	-0.97
		270	2481.58	322.95	-61.43	196.59	64.93	-180.56	10.00	-3.68	1.12	5.20	-6.53
		246	2206.34	59.90	-216.88	58.96	-215.94	16.05	21.19	9.22	16.48	13.93	-5.85
233	1	400	692.28	270.86	-292.32	247.76	-269.23	111.69	-14.68	-156.19	-23.54	-147.33	34.29
		318	1069.61	258.91	-871.49	247.76	-860.35	111.69	48.91	-146.53	2.55	-100.18	83.13
		197	1300.84	9.44	-874.69	-4.90	-860.35	111.68	80.14	-237.63	33.09	-190.57	112.86
		402	924.51	35.97	-310.10	-4.90	-269.22	111.69	22.73	-253.46	7.00	-237.72	64.02
233	2	400	444.92	317.70	-12.14	317.67	-12.12	2.78	13.45	-112.78	-7.37	-91.96	46.84
		318	1025.46	317.68	-891.35	317.67	-891.34	2.78	-14.78	-154.10	-40.11	-128.77	53.74
		197	847.57	-66.94	-891.36	-66.95	-891.35	2.78	-21.22	-122.65	-32.22	-111.66	31.53
		402	244.63	-11.97	-67.09	-66.95	-12.11	2.78	7.86	-82.19	0.53	-74.85	24.63
234	1	470	924.64	512.60	-770.53	411.81	-669.73	345.22	-14.51	-101.00	-15.55	-99.96	-9.44
		368	546.15	628.26	-138.78	411.81	77.67	345.22	10.68	-82.65	9.93	-81.90	-8.32
		393	575.80	313.18	-428.37	-192.86	77.67	345.22	8.64	-122.71	7.25	-121.32	13.43
		158	873.62	-11.74	-850.85	-192.86	-669.73	345.22	-17.00	-140.61	-18.23	-139.37	12.30
234	2	470	953.16	409.00	-777.31	398.67	-766.98	110.22	-28.93	-213.25	-94.81	-147.38	-88.33
		368	1340.15	405.04	-1508.01	398.66	-1501.64	110.21	113.76	-95.73	42.62	-24.59	-99.21
		393	1193.88	-64.06	-1510.09	-72.51	-1501.64	110.22	128.06	3.94	37.16	94.83	54.96

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		158	666.35	-55.44	-784.06	-72.51	-766.98	110.22	11.00	-139.22	-100.26	-27.96	65.83
235	1	169	2.085e+04	279.23	-108.01	269.93	-98.71	59.28	232.18	58.26	164.25	126.19	84.85
		199	1.986e+04	302.83	-33.10	302.33	-32.60	13.00	216.37	51.00	194.93	72.44	55.55
		258	6283.77	-29.42	-85.84	-82.66	-32.60	13.00	52.22	-17.48	48.53	-13.78	-15.62
		255	4412.53	-47.04	-166.72	-115.06	-98.71	59.28	46.51	11.31	17.85	39.97	13.68
235	2	169	1.990e+04	50.79	-140.21	-78.05	-11.37	-89.49	223.48	57.16	156.13	124.51	81.64
		199	1.909e+04	74.66	-140.21	-70.20	4.65	-100.71	213.27	51.79	188.61	76.45	58.08
		258	7562.35	30.08	-394.19	-368.76	4.65	-100.71	56.61	-15.10	54.84	-13.34	-11.10
		255	4434.94	9.37	-397.36	-376.61	-11.37	-89.49	42.46	14.63	22.36	34.73	12.46
236	1	376	2095.06	397.18	-1699.99	395.67	-1698.48	-56.21	24.53	-317.32	-6.64	-286.15	-98.41
		98	1436.38	398.05	-930.40	395.67	-928.01	-56.21	57.54	-227.86	32.14	-202.47	-81.25
		334	2542.10	-84.69	-931.76	-88.43	-928.01	-56.21	1.37	-733.15	-0.15	-731.63	33.36
		429	3228.20	-86.47	-1700.44	-88.43	-1698.48	-56.21	-38.59	-815.65	-38.93	-815.31	16.20
236	2	376	1056.76	684.33	-105.88	501.42	77.03	-333.29	17.66	-265.53	10.55	-258.42	-44.31
		98	1721.13	562.56	-1315.49	501.42	-1254.35	-333.29	-2.94	-236.59	-10.17	-229.37	-40.45
		334	2349.49	-276.97	-1368.01	-390.63	-1254.36	-333.29	-50.17	-621.56	-50.22	-621.51	5.28
		429	1923.89	250.34	-563.93	-390.63	77.03	-333.29	-29.49	-650.56	-29.49	-650.56	1.43
237	1	439	2236.94	98.44	-898.31	95.81	-895.67	51.15	27.32	-592.21	5.70	-570.59	113.69
		517	1976.98	100.47	-466.21	95.81	-461.55	51.15	-25.21	-628.37	-57.58	-595.99	135.94
		350	2789.24	-20.89	-467.49	-26.83	-461.55	51.15	-44.82	-953.22	-58.36	-939.68	110.10
		416	3068.21	-23.83	-898.67	-26.83	-895.67	51.15	13.25	-922.59	4.92	-914.27	87.86
237	2	439	1843.64	136.77	-720.47	136.76	-720.46	3.16	34.04	-485.44	9.83	-461.23	109.50
		517	1736.04	136.77	-492.53	136.76	-492.51	3.16	-46.56	-546.20	-81.85	-510.90	128.02
		350	2177.40	-62.45	-492.53	-62.48	-492.51	3.16	-65.96	-732.47	-73.81	-724.61	71.93
		416	2296.84	-62.46	-720.48	-62.48	-720.46	3.16	21.96	-679.04	17.87	-674.94	53.42
238	1	453	1140.02	376.09	-449.83	280.90	-354.64	263.74	-32.86	-341.86	-47.62	-327.09	-65.91
		444	974.32	484.23	-61.18	280.90	142.15	263.74	34.92	-287.99	22.40	-275.47	-62.33
		380	1259.41	307.88	-277.56	-111.84	142.15	263.74	13.91	-400.50	13.91	-400.50	0.35
		81	1374.95	57.10	-523.58	-111.84	-354.64	263.74	-56.08	-452.15	-56.11	-452.13	-3.23
238	2	453	705.97	299.16	-472.56	248.22	-421.62	191.61	-49.99	-170.90	-62.22	-158.67	-36.46
		444	495.83	327.78	-213.23	248.22	-133.67	191.61	28.74	-105.38	19.48	-96.12	-34.00
		380	535.95	78.60	-306.62	-94.35	-133.67	191.61	38.26	-106.02	24.42	-92.18	42.49
		81	736.95	-6.01	-509.96	-94.35	-421.62	191.61	-42.94	-169.07	-57.28	-154.73	40.03
239	1	399	1354.21	-14.52	-419.21	-299.07	-134.66	184.89	6.97	-154.43	-89.34	-58.12	79.17
		365	827.36	-113.32	-512.20	-330.66	-294.86	198.64	-36.36	-71.59	-56.23	-51.73	17.47
		206	1709.02	330.54	-425.30	222.90	-317.66	264.14	-116.23	-239.63	-136.45	-219.40	45.68
		102	1833.99	294.99	-146.88	259.96	-111.85	119.38	-86.67	-308.69	-169.56	-225.79	107.39
239	2	399	1298.47	693.04	-656.40	-163.22	199.87	649.84	3.75	-64.55	-61.01	0.21	-15.14
		365	1970.77	1484.47	65.23	135.96	1413.74	-308.84	144.18	94.30	127.00	111.48	-23.71
		206	2965.56	2517.81	0.73	45.96	2472.57	-334.40	152.99	-57.80	10.00	85.19	98.46
		102	2668.60	14.75	-1381.06	-507.34	-858.96	675.40	29.20	-233.30	-178.01	-26.09	107.03
240	1	448	549.03	7.10	-131.06	-80.60	-43.36	66.53	73.64	8.38	39.73	42.28	-32.61
		395	352.56	13.67	-88.79	-64.51	-10.61	43.57	55.71	30.72	37.25	49.18	-10.98
		397	418.10	29.78	-57.61	-17.23	-10.61	43.57	70.20	35.85	55.62	50.44	-16.98
		396	623.68	28.38	-105.06	-33.32	-43.36	66.53	90.10	11.54	58.10	43.54	-38.60
240	2	448	707.94	146.84	-47.36	58.21	41.27	-96.73	99.87	-0.46	7.24	92.17	-26.70
		395	476.73	86.41	-51.74	36.85	-2.19	-66.26	73.74	-3.63	-2.11	72.22	-10.74
		397	669.25	257.91	-19.07	241.03	-2.19	-66.26	102.40	5.51	15.89	92.02	-29.97
		396	894.68	298.73	4.93	262.39	41.27	-96.73	131.77	5.43	25.23	111.97	-45.93
241	1	396	460.72	36.85	-159.25	-33.04	-89.36	93.92	40.12	-11.28	4.74	24.10	-23.80
		397	670.37	36.85	-156.97	-32.30	-87.82	92.85	102.68	39.34	86.60	55.42	-27.57
		365	464.56	-46.15	-294.67	-253.00	-87.82	92.85	23.05	-21.23	21.95	-20.13	-6.89
		399	554.37	-46.75	-296.36	-253.74	-89.36	93.92	-50.42	-60.94	-59.91	-51.45	-3.13
241	2	396	995.80	507.57	21.84	312.36	217.05	-238.15	97.06	8.15	26.59	78.62	-36.05
		397	789.54	253.82	-24.70	214.20	14.92	-97.29	119.90	4.89	18.02	106.76	-36.58
		365	679.12	57.68	-206.45	-163.69	14.92	-97.29	100.24	22.59	24.35	98.48	-11.55
		399	786.84	352.67	-201.15	-65.54	217.05	-238.15	73.34	29.92	32.91	70.34	-11.01
242	1	23	765.28	-197.56	-991.80	-212.39	-976.98	-107.49	29.03	-117.78	-65.29	-23.47	-70.36
		434	381.65	203.09	-240.19	-212.39	175.28	-107.49	-3.25	-64.59	-41.37	-26.47	-29.75
		444	641.43	323.49	97.33	245.54	175.28	-107.49	16.77	-217.53	10.35	-211.10	-38.26
		453	1365.18	254.92	-986.35	245.54	-976.98	-107.49	14.40	-236.07	-13.56	-208.11	-78.87
242	2	23	1221.12	-225.61	-1020.76	-249.19	-997.18	-134.90	-7.62	-231.82	-10.71	-228.73	-26.14
		434	692.42	162.77	-293.37	-249.19	118.60	-134.90	38.30	-182.62	27.64	-171.96	-47.35
		444	318.68	319.43	27.99	228.83	118.60	-134.90	63.03	-1.54	15.24	46.25	28.32
		453	857.62	243.49	-1011.85	228.83	-997.18	-134.90	33.11	-66.75	-23.11	-10.53	49.53
243	1	142	1219.94	-331.50	-1770.95	-358.08	-1744.37	-193.79	53.97	9.45	9.83	53.59	4.06
		877	546.16	398.35	-407.72	-358.08	348.70	-193.79	37.92	-16.34	-13.34	34.92	12.40
		368	341.24	550.06	162.19	363.55	348.70	-193.79	-2.43	-36.00	-6.24	-32.19	-10.65
		470	1400.70	381.22	-1762.04	363.55	-1744.37	-193.79	26.04	-22.63	16.93	-13.52	-18.98
243	2	142	1926.49	-487.97	-2240.00	-590.04	-2137.94	-410.38	-52.15	-240.91	-87.87	-205.19	-73.94
		877	886.75	224.53	-796.78	-590.04	17.79	-410.37	33.92	-172.06	5.17	-143.32	-71.38
		368	627.77	666.96	-241.63	407.54	17.79	-410.37	19.58	-62.59	19.52	-62.53	2.17

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		470	1857.97	472.06	-2202.46	407.54	-2137.93	-410.38	-73.52	-124.41	-73.52	-124.40	-0.39
244	1	32	932.15	-330.85	-1047.13	-346.74	-1031.25	-105.48	113.72	-38.21	-37.33	112.84	-11.52
		436	603.92	387.18	-361.90	-346.74	372.02	-105.48	72.26	-43.69	-25.24	53.81	42.41
		398	359.58	437.27	201.51	266.76	372.02	-105.48	7.85	-51.55	7.81	-51.51	1.56
		487	846.49	275.28	-1039.76	266.76	-1031.25	-105.48	54.32	-51.08	-4.28	7.52	-52.37
244	2	32	1118.71	-391.58	-1078.02	-429.72	-1039.88	-157.25	65.66	-186.54	60.24	-181.12	36.57
		436	702.12	349.33	-461.47	-429.72	317.59	-157.25	75.33	-89.38	50.21	-64.26	-59.21
		398	535.15	435.64	108.12	226.18	317.59	-157.25	141.68	-9.41	-6.57	138.83	20.54
		487	1099.29	245.42	-1059.12	226.18	-1039.88	-157.25	129.40	-103.97	3.45	21.97	116.32
245	1	437	564.97	52.13	-341.42	-236.55	-52.75	173.99	-7.61	-125.07	-79.74	-52.94	57.18
		263	993.78	-190.31	-891.25	-236.55	-845.01	173.99	65.23	-210.21	-113.09	-31.89	131.60
		517	1924.87	153.69	-875.32	123.38	-845.01	173.99	40.40	-469.74	-22.68	-406.65	167.93
		439	1387.51	230.33	-159.69	123.38	-52.75	173.99	29.78	-446.82	10.67	-427.71	93.51
245	2	437	787.44	70.93	-306.04	-208.29	-26.82	165.21	12.30	-245.79	-23.02	-210.47	88.70
		263	1313.56	-168.48	-893.87	-208.29	-854.06	165.21	-21.50	-305.77	-78.29	-248.98	113.66
		517	1375.00	183.00	-880.38	156.68	-854.06	165.21	-16.38	-282.59	-34.72	-264.25	67.43
		439	811.18	253.91	-124.04	156.68	-26.82	165.21	27.67	-232.85	20.55	-225.74	42.47
246	1	440	1535.64	336.22	-821.91	-618.97	133.28	440.29	451.44	-92.69	-35.45	394.21	-166.94
		320	3078.31	-521.70	-2611.92	-618.97	-2514.65	440.28	622.33	146.96	208.87	560.42	-159.99
		98	2022.86	475.24	-2579.49	410.41	-2514.65	440.28	180.66	71.45	164.74	87.38	38.54
		376	673.86	733.42	-189.73	410.41	133.28	440.29	-47.61	-110.80	-79.58	-78.83	31.59
246	2	440	1057.84	466.66	-511.58	-444.07	399.16	247.94	252.96	-39.57	-7.39	220.78	-91.53
		320	2113.84	-407.94	-2145.31	-444.07	-2109.17	247.94	353.81	100.03	142.82	311.02	-95.02
		98	1855.73	493.13	-2132.80	469.50	-2109.17	247.94	96.89	-26.03	96.12	-25.25	9.71
		376	571.78	684.76	183.91	469.50	399.16	247.94	-51.38	-118.21	-54.10	-115.50	13.20
247	1	438	785.80	445.16	-615.48	-567.36	397.05	220.72	28.68	-72.96	-66.95	22.66	-23.98
		272	1208.38	-508.94	-1401.27	-567.36	-1342.84	220.72	156.76	-161.64	-123.44	118.56	103.46
		318	1561.60	288.67	-1372.71	258.80	-1342.84	220.72	112.50	-235.91	-39.73	-83.68	172.82
		400	690.10	559.22	96.63	258.80	397.05	220.72	26.74	-189.56	16.76	-179.58	45.38
247	2	438	791.47	483.62	-506.32	-476.68	453.98	168.72	51.76	-126.13	13.91	-88.28	72.80
		272	1266.80	-444.84	-1370.53	-476.68	-1338.68	168.72	-2.78	-179.52	-13.35	-168.96	41.91
		318	1122.28	335.82	-1355.68	318.82	-1338.68	168.72	-22.09	-56.37	-25.59	-52.87	-10.38
		400	437.22	568.15	204.65	318.82	453.98	168.72	39.06	-9.59	1.66	27.81	20.52
248	1	449	1464.77	178.60	-266.30	172.28	-259.99	52.61	-22.90	-488.04	-47.55	-463.39	-104.19
		450	1608.22	175.19	-780.82	172.28	-777.92	52.61	6.41	-406.64	-24.20	-376.03	-108.20
		452	2176.15	-281.80	-783.50	-287.38	-777.92	52.61	-63.04	-682.48	-65.07	-680.45	-35.38
		82	2042.73	-219.32	-328.05	-287.38	-259.99	52.61	-86.97	-769.26	-88.41	-767.82	-31.36
248	2	449	557.31	96.40	-301.36	78.79	-283.74	81.83	-29.26	-164.51	-48.05	-145.71	-46.78
		450	731.55	88.34	-622.40	78.79	-612.85	81.83	-47.86	-141.31	-52.95	-136.23	-21.21
		452	1013.38	-158.37	-627.58	-173.10	-612.85	81.83	-39.63	-262.11	-40.34	-261.40	-12.53
		82	830.81	-129.65	-327.20	-173.10	-283.74	81.83	-29.43	-276.90	-35.44	-270.89	-38.11
249	1	451	1174.56	541.84	-267.26	278.79	-4.21	378.99	53.18	-238.76	-94.02	-91.56	-145.97
		23	1134.65	386.70	-1052.29	278.79	-944.38	378.99	14.60	-167.06	-84.70	-67.76	-90.44
		453	1215.85	404.22	-1050.88	297.71	-944.38	378.99	-13.64	-227.07	-40.59	-200.11	-70.90
		450	1144.42	554.70	-261.20	297.71	-4.21	378.99	16.56	-290.38	-49.91	-223.91	-126.43
249	2	451	842.55	411.92	-255.41	121.66	34.85	330.83	91.78	-119.40	-82.16	54.54	-80.49
		23	1215.77	213.62	-1068.45	121.66	-976.49	330.83	132.43	-51.23	-49.00	130.20	-20.10
		453	1058.27	289.25	-1062.96	202.78	-976.49	330.83	14.49	-87.05	-7.22	-65.34	41.64
		450	583.96	460.13	-222.50	202.78	34.85	330.83	-37.01	-144.38	-40.39	-141.00	-18.75
250	1	450	1608.59	355.65	-836.51	286.87	-767.73	277.97	-70.35	-463.62	-110.39	-423.58	-118.92
		453	1086.38	389.72	-464.36	286.87	-361.51	277.97	13.40	-310.99	-14.08	-283.51	-90.33
		81	1569.19	-11.50	-582.26	-232.25	-361.51	277.97	-9.32	-508.98	-10.15	-508.15	20.34
		452	2075.81	-114.05	-885.93	-232.25	-767.73	277.97	-106.34	-648.34	-106.47	-648.22	-8.24
250	2	450	735.58	236.40	-643.72	197.30	-604.63	181.33	-29.18	-151.86	-54.09	-126.95	-49.35
		453	477.54	246.06	-477.05	197.30	-428.29	181.33	29.82	-49.42	12.19	-31.79	-32.96
		81	830.72	-64.25	-518.61	-154.57	-428.29	181.33	21.38	-186.21	12.44	-177.28	42.14
		452	1079.80	-90.60	-668.59	-154.57	-604.63	181.33	-50.85	-275.42	-53.84	-272.43	25.75
251	1	454	1596.58	304.92	-263.52	247.80	-206.40	-170.90	-30.50	-515.20	-38.21	-507.50	-60.61
		455	1750.59	284.48	-548.35	247.80	-511.67	-170.90	-32.26	-500.47	-40.46	-492.27	-61.41
		457	2381.62	-156.08	-593.80	-238.21	-511.67	-170.90	-76.61	-815.71	-79.75	-812.58	-48.06
		93	2224.55	-50.67	-393.94	-238.21	-206.40	-170.90	-74.53	-830.77	-77.50	-827.80	-47.27
251	2	454	888.75	160.20	-281.46	150.86	-272.12	-63.56	6.74	-246.08	-34.97	-204.37	-93.84
		455	897.61	157.76	-434.49	150.86	-427.58	-63.56	7.04	-215.59	-29.21	-179.35	-82.19
		457	1143.30	-125.24	-440.95	-138.60	-427.58	-63.56	-22.63	-342.93	-34.80	-330.76	-61.24
		93	1122.02	-113.18	-297.54	-138.60	-272.12	-63.56	-24.53	-371.82	-40.56	-355.78	-72.88
252	1	456	778.84	932.49	51.97	928.24	56.22	61.02	11.72	-95.18	6.76	-90.23	22.48
		35	1485.69	930.80	-525.46	928.24	-522.90	61.02	97.02	-184.78	96.36	-184.12	-13.63
		449	1622.91	238.96	-527.78	234.08	-522.90	61.02	53.68	-432.01	30.40	-408.73	-103.75
		455	859.68	253.00	37.30	234.08	56.22	61.02	-42.40	-331.63	-59.20	-314.84	-67.65
252	2	456	770.35	586.72	41.71	567.99	60.44	99.27	53.19	-153.30	-65.31	-34.80	-102.11
		35	872.10	576.91	-537.01	567.99	-528.09	99.27	31.29	-116.01	-66.59	-18.13	-69.55
		449	589.49	150.97	-542.60	136.46	-528.09	99.27	-2.77	-122.09	-39.49	-85.37	-55.07

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		455	586.75	204.74	-7.85	136.46	60.44	99.27	23.14	-163.38	-38.20	-102.04	-87.63
253	1	455	1707.52	216.11	-516.21	215.73	-515.83	-16.64	-33.50	-503.08	-41.44	-495.14	-60.55
		449	1478.88	216.31	-257.26	215.73	-256.68	-16.64	-3.29	-465.28	-14.44	-454.13	-70.89
		82	2080.20	-247.00	-285.27	-275.59	-256.68	-16.64	-61.45	-772.20	-63.52	-770.12	-38.36
		457	2328.43	-274.44	-516.98	-275.59	-515.83	-16.64	-89.43	-812.21	-90.52	-811.12	-28.03
253	2	455	855.70	121.92	-431.25	121.79	-431.12	8.38	-15.82	-234.64	-60.23	-190.24	-88.01
		449	618.96	121.97	-281.06	121.79	-280.89	8.38	-5.56	-168.18	-34.51	-139.23	-62.21
		82	849.81	-167.86	-281.51	-168.48	-280.89	8.38	-21.10	-275.96	-22.83	-274.23	-20.93
		457	1074.77	-168.22	-431.39	-168.48	-431.12	8.38	-40.87	-332.92	-48.55	-325.24	-46.74
254	1	458	1609.79	237.29	-243.49	156.42	-162.62	-179.84	-36.28	-542.55	-46.22	-532.61	-70.25
		459	1769.74	203.27	-533.81	156.42	-486.95	-179.84	-38.20	-526.70	-47.06	-517.85	-65.17
		461	2467.59	-64.02	-563.42	-140.49	-486.95	-179.84	-76.67	-843.90	-80.26	-840.31	-52.37
		96	2300.61	28.63	-331.73	-140.49	-162.62	-179.84	-75.20	-859.30	-79.43	-855.07	-57.46
254	2	458	962.04	102.35	-247.87	92.15	-237.67	-58.90	10.95	-283.42	-28.14	-244.33	-99.89
		459	1022.40	98.78	-431.39	92.15	-424.76	-58.90	13.12	-265.22	-25.05	-227.05	-95.75
		461	1359.14	-63.88	-434.37	-73.49	-424.76	-58.90	-24.26	-420.27	-41.67	-402.86	-81.18
		96	1289.20	-54.55	-256.61	-73.49	-237.67	-58.90	-26.27	-438.63	-44.76	-420.15	-85.33
255	1	460	454.35	613.01	74.12	606.23	80.90	60.06	-36.75	-98.02	-38.77	-96.00	10.94
		47	1228.47	609.15	-630.79	606.23	-627.87	60.06	34.13	-180.63	33.18	-179.69	14.19
		454	1628.58	216.43	-632.15	212.16	-627.87	60.06	18.40	-424.22	8.53	-414.36	-65.33
		459	911.29	235.49	57.56	212.16	80.90	60.06	-46.85	-347.23	-63.42	-330.66	-68.58
255	2	460	561.98	389.94	35.88	348.00	77.82	114.41	46.25	-113.34	-25.10	-42.00	-79.35
		47	768.61	361.13	-648.97	348.00	-635.84	114.41	50.69	-113.63	0.31	-63.25	-75.77
		454	937.64	146.95	-652.56	130.23	-635.84	114.41	39.75	-205.99	-7.31	-158.94	-96.70
		459	698.06	221.40	-13.35	130.23	77.82	114.41	27.98	-198.38	-32.71	-137.68	-100.27
256	1	459	1748.27	215.87	-499.03	203.44	-486.60	-93.43	-45.20	-526.50	-51.16	-520.54	-53.22
		454	1547.10	223.77	-225.99	203.44	-205.66	-93.43	-32.62	-513.35	-37.77	-508.20	-49.49
		93	2220.58	-99.47	-287.87	-181.67	-205.66	-93.43	-69.78	-828.51	-71.92	-826.37	-40.25
		461	2425.71	-155.32	-512.95	-181.67	-486.60	-93.43	-82.75	-841.27	-85.31	-838.71	-43.98
256	2	459	1021.15	123.41	-426.19	121.93	-424.71	-28.46	1.91	-275.59	-39.28	-234.40	-98.66
		454	856.99	123.98	-273.73	121.93	-271.68	-28.46	22.20	-235.32	-16.82	-196.30	-92.34
		93	1122.15	-97.79	-276.34	-102.45	-271.68	-28.46	-18.50	-371.56	-29.69	-360.38	-61.85
		461	1302.27	-99.95	-427.21	-102.45	-424.71	-28.46	-39.21	-411.41	-52.15	-398.48	-68.16
257	1	462	1665.02	160.98	-218.15	85.92	-143.08	-151.07	-16.67	-571.26	-25.39	-562.54	-68.99
		463	1838.64	123.07	-528.39	85.92	-491.23	-151.07	-27.67	-557.88	-37.51	-548.04	-71.55
		465	2551.74	-35.44	-541.31	-85.51	-491.23	-151.07	-74.15	-869.80	-78.37	-865.57	-57.81
		99	2373.43	39.50	-268.09	-85.51	-143.08	-151.07	-62.52	-883.81	-66.26	-880.08	-55.25
257	2	462	930.98	66.02	-225.56	61.78	-221.33	-34.89	25.33	-273.26	-2.58	-245.34	-86.93
		463	1068.54	64.20	-441.06	61.78	-438.64	-34.89	6.83	-287.37	-23.29	-257.25	-89.19
		465	1546.28	-38.95	-441.69	-42.00	-438.64	-34.89	-29.52	-490.11	-51.09	-468.55	-97.30
		99	1398.81	-35.45	-227.87	-42.00	-221.33	-34.89	-10.15	-476.87	-30.38	-456.64	-95.04
258	1	464	343.93	354.13	70.23	335.80	88.56	69.77	-33.37	-103.15	-34.22	-102.30	-7.65
		59	1073.64	340.90	-618.20	335.80	-613.10	69.77	27.10	-181.06	27.10	-181.06	-0.55
		458	1629.81	127.44	-619.68	120.86	-613.10	69.77	17.15	-444.02	4.71	-431.58	-74.72
		463	1015.91	176.33	33.10	120.86	88.56	69.77	-35.51	-373.92	-56.61	-352.82	-81.82
258	2	464	504.44	278.22	5.65	197.95	85.92	124.25	38.77	-106.42	-16.52	-51.12	-70.51
		59	758.14	216.29	-643.73	197.95	-625.39	124.25	50.70	-124.00	10.15	-83.45	-73.75
		458	990.57	99.31	-646.69	78.01	-625.39	124.25	42.19	-233.41	-5.62	-185.60	-104.35
		463	737.92	206.27	-42.34	78.01	85.92	124.25	25.04	-210.60	-32.29	-153.27	-101.10
259	1	463	1785.49	122.35	-500.02	113.10	-490.78	-75.29	-41.53	-549.96	-49.51	-541.98	-63.21
		458	1547.45	132.30	-182.29	113.10	-163.09	-75.29	-29.03	-534.35	-36.52	-526.86	-61.06
		96	2299.14	-53.42	-214.78	-105.11	-163.09	-75.29	-70.95	-862.10	-74.04	-859.00	-49.38
		465	2541.56	-90.93	-504.96	-105.11	-490.78	-75.29	-83.68	-877.48	-87.04	-874.12	-51.54
259	2	463	1101.58	69.88	-439.07	69.76	-438.95	-7.64	-3.81	-312.45	-42.39	-273.87	-102.08
		458	930.09	69.95	-238.10	69.76	-237.91	-7.64	22.10	-278.84	-16.54	-240.20	-100.68
		96	1271.64	-54.84	-238.23	-55.16	-237.91	-7.64	-22.98	-435.80	-36.84	-421.94	-74.35
		465	1461.38	-55.01	-439.10	-55.16	-438.95	-7.64	-48.59	-469.71	-62.69	-455.61	-75.75
260	1	466	749.62	-82.38	-686.67	-82.65	-686.40	12.77	-3.36	-125.77	-8.65	-120.48	-24.89
		467	1079.50	-82.50	-1226.32	-82.65	-1226.18	12.77	-11.93	-116.86	-14.70	-114.10	-16.81
		469	1628.05	-459.19	-1226.39	-459.40	-1226.18	12.77	-35.75	-365.49	-36.10	-365.15	-10.69
		159	1300.99	-458.68	-687.12	-459.40	-686.40	12.77	-29.03	-372.56	-30.06	-371.54	-18.76
260	2	466	712.10	189.69	-703.77	-183.80	-330.28	440.69	-7.88	-114.29	-30.45	-91.72	-43.50
		467	689.12	265.52	-616.02	-183.80	-166.71	440.69	-1.68	-103.67	-14.01	-91.35	-33.25
		469	703.34	561.11	-433.54	294.28	-166.71	440.69	2.53	-133.90	-6.91	-124.46	-34.62
		159	750.48	522.11	-558.11	294.28	-330.28	440.69	-6.35	-141.83	-23.35	-124.84	-44.88
261	1	468	879.84	728.65	-650.10	155.82	-77.27	679.46	122.48	16.96	16.97	122.46	1.38
		142	1631.78	376.09	-1940.14	155.82	-1719.88	679.46	81.63	-17.63	-17.32	81.33	5.47
		470	1495.93	469.02	-1930.79	258.12	-1719.88	679.46	-5.01	-58.70	-27.07	-36.65	-26.41
		467	945.26	790.26	-609.42	258.12	-77.27	679.46	36.39	-24.67	7.23	4.49	-30.50
261	2	468	844.95	954.47	-410.03	35.03	509.42	639.69	39.67	-60.49	35.72	-56.55	19.48
		142	1934.49	210.30	-2299.67	35.03	-2124.40	639.69	-76.31	-166.24	-76.85	-165.70	6.95
		470	1756.26	185.24	-2301.57	8.07	-2124.40	639.69	-37.76	-200.62	-88.49	-149.88	-75.42

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		467	1135.72	945.80	-428.31	8.07	509.42	639.69	62.43	-79.07	24.08	-40.73	-62.89
262	1	467	1253.34	309.83	-1257.90	252.52	-1200.59	294.22	-44.19	-193.85	-67.32	-170.72	-54.10
		470	747.39	336.84	-774.16	252.52	-689.84	294.22	44.15	-66.27	25.18	-47.30	-41.66
		158	1080.02	-193.58	-864.28	-368.02	-689.84	294.22	34.03	-208.89	20.82	-195.68	55.08
		469	1576.28	-274.54	-1294.07	-368.02	-1200.59	294.22	-64.53	-326.25	-71.68	-319.10	42.64
262	2	467	366.73	105.54	-219.84	48.63	-162.93	123.60	-5.59	-116.74	-26.29	-96.05	-43.26
		470	686.07	66.75	-794.28	48.63	-776.15	123.60	-15.98	-93.83	-35.67	-74.14	-33.84
		158	793.50	141.48	-792.80	124.83	-776.15	123.60	-26.07	-103.44	-28.69	-100.81	-14.00
		469	453.89	170.63	-208.73	124.83	-162.93	123.60	-14.25	-127.78	-19.31	-122.72	-23.42
263	1	471	895.53	34.19	-718.03	-67.23	-616.61	-256.91	7.47	-151.63	0.52	-144.68	-32.52
		472	1102.02	2.24	-1017.26	-67.23	-947.79	-256.91	-18.13	-168.88	-22.07	-164.95	-24.05
		474	1701.11	-340.04	-1056.39	-448.63	-947.79	-256.91	-41.91	-442.68	-45.78	-438.81	-39.17
		103	1475.92	-262.34	-802.91	-448.63	-616.61	-256.91	-17.53	-424.20	-23.19	-418.54	-47.64
263	2	471	1012.74	387.22	-1057.34	-26.57	-643.55	653.09	6.83	-107.92	-21.89	-79.20	-49.71
		472	950.46	463.72	-896.51	-26.57	-406.22	653.09	6.65	-109.91	-11.62	-91.65	-42.37
		474	1022.62	683.74	-797.55	292.42	-406.22	653.09	8.49	-166.00	-10.35	-147.16	-54.15
		103	1078.19	627.88	-979.02	292.42	-643.55	653.09	6.21	-161.55	-20.62	-134.72	-61.49
264	1	473	1117.78	426.74	-499.58	424.74	-497.58	-43.02	241.93	-16.15	4.27	221.51	-69.66
		147	1459.74	426.14	-894.93	424.74	-893.52	-43.02	298.01	31.74	45.05	284.70	-58.03
		466	611.08	-36.52	-895.68	-38.68	-893.52	-43.02	31.90	15.61	26.03	21.47	-7.82
		472	437.14	-34.68	-501.58	-38.68	-497.58	-43.02	-4.56	-51.91	-14.75	-41.72	-19.45
264	2	473	920.12	257.02	-916.82	-318.45	-341.35	586.80	82.06	3.16	49.03	36.19	-38.92
		147	910.00	105.76	-1130.17	-318.45	-705.96	586.80	-6.11	-82.78	-68.04	-20.85	-30.21
		466	1046.19	312.32	-1044.12	-25.83	-705.96	586.80	-9.71	-146.01	-66.80	-88.92	-67.25
		472	1038.89	424.05	-791.23	-25.83	-341.35	586.80	95.55	-57.15	50.27	-31.87	-75.96
265	1	472	1088.98	-38.81	-962.77	-53.23	-948.34	-114.56	-15.60	-183.87	-29.98	-169.50	-47.03
		466	811.03	-33.11	-705.51	-53.23	-685.39	-114.56	21.85	-122.34	10.08	-110.57	-39.48
		159	1326.47	-422.00	-735.21	-471.83	-685.39	-114.56	-13.62	-377.38	-13.76	-377.25	7.13
		474	1621.34	-445.72	-974.45	-471.83	-948.34	-114.56	-53.82	-436.17	-53.82	-436.17	-0.42
265	2	472	727.47	239.26	-651.77	-6.59	-405.92	398.26	22.10	-119.40	-7.67	-89.63	-57.67
		466	705.78	264.48	-591.72	-6.59	-320.65	398.26	15.76	-107.57	-14.41	-77.41	-53.01
		159	711.44	476.51	-519.62	277.54	-320.65	398.26	-3.33	-149.52	-16.45	-136.40	-41.79
		474	797.79	460.59	-588.97	277.54	-405.92	398.26	4.38	-162.72	-9.71	-148.63	-46.44
266	1	475	992.53	59.17	-768.32	-150.01	-559.15	-359.63	32.13	-165.65	18.88	-152.41	-49.43
		476	1158.58	6.13	-978.35	-150.01	-822.21	-359.63	-6.68	-195.90	-19.36	-183.22	-47.32
		478	1829.65	-138.81	-1011.47	-328.06	-822.21	-359.63	-41.35	-489.79	-52.52	-478.62	-69.89
		111	1636.51	-65.86	-821.34	-328.06	-559.15	-359.63	-2.63	-459.46	-14.28	-447.81	-72.01
266	2	475	1288.37	364.68	-1363.89	-197.60	-801.61	809.81	29.57	-138.50	-10.61	-98.32	-71.69
		476	1253.87	456.58	-1200.06	-197.60	-545.88	809.81	22.18	-147.25	-12.52	-112.55	-68.37
		478	1312.72	623.11	-1106.87	62.12	-545.88	809.81	13.34	-222.55	-18.34	-190.88	-80.43
		111	1328.17	548.02	-1287.51	62.12	-801.61	809.81	19.35	-212.43	-16.43	-176.65	-83.74
267	1	477	834.93	199.74	-419.75	130.25	-350.26	-195.50	234.58	-11.24	11.32	212.02	-70.98
		133	1196.96	169.56	-841.95	130.25	-802.64	-195.50	281.80	37.31	59.56	259.55	-70.31
		479	649.85	-123.11	-858.88	-179.35	-802.64	-195.50	50.60	-25.25	28.72	-3.37	-34.36
		476	502.59	-51.45	-478.16	-179.35	-350.26	-195.50	3.17	-73.59	-19.51	-50.90	-35.03
267	2	477	1394.63	541.55	-1232.30	-333.63	-357.12	886.85	119.74	-20.05	53.19	46.51	-69.82
		133	1412.48	357.07	-1472.33	-333.63	-781.63	886.85	31.79	-113.80	-17.76	-10.25	-65.98
		479	1534.30	445.10	-1422.76	-196.04	-781.63	886.85	23.09	-180.87	-76.18	-81.61	-101.94
		476	1529.95	613.92	-1167.08	-196.04	-357.12	886.85	123.96	-100.04	48.77	-24.85	-105.78
268	1	476	1130.20	-109.03	-909.32	-192.19	-826.16	-244.21	-5.40	-211.91	-28.87	-188.44	-65.54
		479	915.18	-66.43	-666.43	-192.19	-540.67	-244.21	24.03	-175.66	3.38	-155.01	-60.80
		88	1480.00	-184.27	-708.01	-351.60	-540.67	-244.21	-22.93	-444.76	-25.91	-441.77	-35.34
		478	1722.48	-248.38	-929.38	-351.60	-826.16	-244.21	-54.34	-479.03	-58.16	-475.21	-40.08
268	2	476	1288.73	396.37	-1141.59	-202.49	-542.73	749.93	35.66	-167.57	-20.91	-111.00	-91.08
		479	1281.76	337.68	-1243.62	-202.49	-703.45	749.93	43.32	-139.11	-16.55	-79.23	-85.66
		88	1147.91	563.44	-1147.36	119.53	-703.45	749.93	0.49	-183.64	-20.69	-162.46	-58.75
		478	1172.15	608.18	-1031.38	119.53	-542.73	749.93	-3.46	-215.81	-25.04	-194.23	-64.17
269	1	479	948.27	55.88	-713.26	-118.65	-538.73	-322.14	11.52	-171.90	-0.68	-159.71	-45.69
		480	1135.92	3.13	-970.80	-118.65	-849.02	-322.14	-13.36	-192.15	-22.44	-183.06	-39.27
		482	1754.36	-226.17	-1015.63	-392.79	-849.02	-322.14	-41.09	-468.83	-48.87	-461.06	-57.13
		88	1540.89	-135.46	-796.06	-392.79	-538.73	-322.14	-17.49	-447.32	-27.10	-437.70	-63.55
269	2	479	1238.25	445.64	-1249.33	-109.85	-693.85	795.59	17.68	-127.26	-22.33	-87.26	-64.79
		480	1195.27	516.00	-1121.22	-109.85	-495.38	795.59	19.69	-127.59	-10.61	-97.28	-59.54
		482	1247.23	711.44	-1019.87	186.95	-495.38	795.59	13.70	-192.49	-13.14	-165.65	-69.38
		88	1282.20	655.90	-1162.80	186.95	-693.85	795.59	8.99	-189.47	-24.85	-155.62	-74.64
270	1	481	912.22	299.82	-470.51	262.49	-433.18	-165.42	222.61	-25.22	5.04	192.35	-81.13
		152	1259.29	287.43	-834.95	262.49	-810.02	-165.42	286.37	29.60	55.51	260.46	-77.33
		471	598.47	-95.85	-848.33	-134.16	-810.02	-165.42	44.23	-8.66	29.13	6.44	-23.89
		480	512.07	-60.70	-506.65	-134.16	-433.18	-165.42	-7.25	-75.76	-21.34	-61.67	-27.69
270	2	481	1290.28	429.30	-1158.01	-367.29	-361.41	793.65	110.63	-31.05	47.76	31.82	-70.39
		152	1278.55	259.79	-1371.75	-367.29	-744.66	793.65	23.02	-116.08	-80.05	-13.01	-60.94
		471	1364.81	398.24	-1295.78	-152.88	-744.66	793.65	11.31	-161.41	-77.05	-73.04	-86.34

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		480	1375.08	543.32	-1057.61	-152.88	-361.41	793.65	114.88	-92.33	50.76	-28.22	-95.78
271	1	480	1114.88	-89.84	-909.74	-147.82	-851.76	-210.17	-9.91	-206.18	-28.67	-187.42	-57.71
		471	895.43	-67.71	-699.20	-147.82	-619.09	-210.17	18.05	-161.06	3.07	-146.08	-49.58
		103	1425.80	-279.30	-749.09	-409.31	-619.09	-210.17	-19.85	-417.27	-20.60	-416.52	-17.26
		482	1661.85	-325.39	-935.68	-409.31	-851.76	-210.17	-50.76	-459.45	-52.34	-457.87	-25.39
271	2	480	1117.30	348.24	-997.65	-155.37	-494.04	651.29	30.71	-147.39	-16.71	-99.97	-78.72
		471	1099.92	292.84	-1101.76	-155.37	-653.54	651.29	29.65	-122.54	-18.37	-74.53	-70.73
		103	1020.33	594.58	-993.40	254.72	-653.54	651.29	-0.30	-155.69	-17.42	-138.58	-48.65
		482	1030.12	631.57	-870.89	254.72	-494.04	651.29	3.40	-183.18	-15.76	-164.02	-56.64
272	1	483	701.35	187.53	-380.91	181.51	-374.88	-58.20	10.83	-141.32	-6.71	-123.78	-48.59
		484	469.78	189.80	-226.84	181.51	-218.55	-58.20	2.02	-94.27	-11.21	-81.04	-33.15
		486	417.67	-118.36	-252.35	-152.17	-218.55	-58.20	-4.57	-112.53	-6.93	-110.17	-15.78
		86	646.46	-137.88	-389.17	-152.17	-374.88	-58.20	3.79	-159.13	-2.44	-152.91	-31.23
272	2	483	767.87	-11.73	-447.69	-11.79	-447.64	4.87	166.11	-33.59	-22.85	155.37	45.05
		484	376.52	-11.25	-55.62	-11.79	-55.07	4.87	79.71	-80.64	-32.35	31.42	73.56
		486	330.03	-46.74	-57.92	-49.58	-55.07	4.87	109.89	-14.15	-9.19	104.93	24.30
		86	892.63	-49.52	-447.70	-49.58	-447.64	4.87	228.95	0.24	0.32	228.87	-4.21
273	1	485	457.41	612.02	29.26	416.28	225.00	275.23	-35.75	-41.62	-35.81	-41.56	0.57
		32	1050.41	468.14	-1044.51	416.28	-992.65	275.23	5.79	-79.71	0.20	-74.12	-21.14
		487	812.78	210.02	-1055.64	147.03	-992.65	275.23	21.61	-53.48	-5.05	-26.83	-35.93
		484	424.67	464.00	-91.97	147.03	225.00	275.23	9.71	-45.04	-41.05	5.73	-14.23
273	2	485	398.67	383.58	-89.26	22.42	271.91	200.83	43.08	-4.98	-2.96	41.06	9.63
		32	1044.66	59.55	-1063.66	22.42	-1026.52	200.83	153.19	-30.27	-5.80	128.72	62.37
		487	869.52	34.70	-1064.53	-3.31	-1026.52	200.83	140.56	-61.72	13.17	65.67	97.67
		484	452.56	377.75	-109.16	-3.31	-1026.52	200.83	45.79	-51.77	16.01	-21.99	44.93
274	1	484	450.41	231.58	-310.22	140.95	-219.58	202.22	-33.60	-109.92	-37.99	-105.53	-17.77
		487	566.89	189.68	-698.14	140.95	-649.41	202.22	-19.53	-28.90	-21.47	-26.96	-3.80
		330	552.28	-59.54	-718.73	-128.87	-649.41	202.22	14.05	-39.81	-12.77	-12.99	26.93
		486	448.82	33.02	-381.47	-128.87	-219.58	202.22	-26.70	-94.16	-29.29	-91.57	12.96
274	2	484	301.08	56.09	-113.82	-3.55	-54.18	81.09	93.49	2.12	21.03	74.58	37.02
		487	734.68	5.72	-713.64	-3.55	-704.38	81.09	130.07	1.00	24.63	106.44	49.92
		330	725.91	-33.11	-714.17	-42.90	-704.38	81.09	140.18	-4.89	30.88	104.42	62.53
		486	352.12	32.75	-129.83	-42.90	-54.18	81.09	104.46	-4.63	27.28	72.55	49.62
275	1	488	792.01	158.09	-413.26	129.20	-384.36	-125.19	18.66	-162.78	-4.38	-139.73	-60.42
		489	589.98	174.47	-216.96	129.20	-171.68	-125.19	-4.35	-144.99	-25.55	-123.79	-50.32
		491	605.63	16.37	-255.02	-66.97	-171.68	-125.19	-12.66	-174.03	-25.01	-161.68	-42.91
		118	804.54	-23.54	-427.80	-66.97	-384.36	-125.19	11.04	-192.51	-3.85	-177.62	-53.01
275	2	488	652.79	-10.22	-488.30	-10.64	-487.87	-14.28	117.81	-28.66	-18.29	107.44	-37.58
		489	261.75	-6.78	-63.41	-10.64	-59.54	-14.28	86.50	-2.62	3.11	80.77	-21.86
		491	404.27	-20.31	-64.74	-25.50	-59.54	-14.28	146.84	9.14	17.89	138.09	-33.59
		118	789.60	-25.06	-488.31	-25.50	-487.87	-14.28	178.15	-16.88	-3.50	164.77	-49.31
276	1	490	425.66	561.45	140.22	498.15	203.52	150.52	-13.03	-48.92	-47.55	-14.40	6.88
		44	993.67	517.12	-696.11	498.15	-677.14	150.52	29.60	-92.87	28.17	-91.44	13.16
		483	924.41	226.00	-702.23	200.92	-677.14	150.52	29.38	-134.23	26.53	-131.39	-21.39
		489	406.92	352.75	51.69	200.92	203.52	150.52	-23.99	-79.55	-49.19	-54.35	-27.66
276	2	490	685.59	303.58	-39.31	49.10	215.17	150.00	96.34	-117.44	-7.59	-13.51	-106.85
		44	1050.17	79.39	-693.77	49.10	-663.48	150.00	131.25	-120.78	-105.41	115.87	-60.32
		483	1084.93	48.65	-695.07	17.06	-663.48	150.00	190.42	-73.11	-73.05	190.37	-3.72
		489	408.10	295.87	-63.64	17.06	215.17	150.00	96.28	-10.54	24.76	60.99	-50.24
277	1	489	490.37	197.12	-170.45	196.84	-170.17	10.12	-21.22	-131.06	-27.06	-125.21	-24.65
		483	641.96	197.02	-371.58	196.84	-371.40	10.12	-1.04	-122.13	-2.78	-120.39	-14.40
		86	629.73	-109.01	-371.79	-109.40	-371.40	10.12	-0.66	-156.95	-1.86	-155.75	-13.63
		491	496.17	-107.76	-171.81	-109.40	-170.17	10.12	-22.03	-164.69	-26.15	-160.57	-23.89
277	2	489	383.71	19.41	-64.78	13.68	-59.05	21.21	93.43	-49.78	-23.43	67.08	-55.49
		483	759.42	14.65	-446.61	13.68	-445.63	21.21	154.54	-31.57	-28.77	151.74	-22.67
		86	904.57	-40.52	-446.74	-41.63	-445.63	21.21	231.99	-3.26	-2.70	231.42	11.54
		491	432.23	-27.41	-73.26	-41.63	-59.05	21.21	149.84	-0.43	2.65	146.77	-21.28
278	1	492	850.10	46.66	-397.96	22.11	-373.41	-101.54	30.11	-199.08	-2.77	-166.20	-80.34
		493	645.15	66.58	-209.72	22.11	-165.25	-101.54	15.32	-172.17	-22.72	-134.13	-75.40
		495	689.43	30.74	-217.86	-21.87	-165.25	-101.54	-4.78	-204.11	-26.08	-182.81	-61.57
		131	911.78	5.35	-400.64	-21.87	-373.41	-101.54	13.27	-234.27	-6.12	-214.88	-66.51
278	2	492	561.56	-30.21	-472.75	-30.33	-472.63	-7.21	97.63	-37.88	-10.47	70.21	-54.44
		493	281.82	-28.71	-62.46	-30.33	-60.84	-7.21	80.61	-33.99	-3.31	49.92	-50.74
		495	366.88	-16.83	-62.02	-18.01	-60.84	-7.21	114.50	-28.79	2.54	83.17	-59.22
		131	655.07	-17.89	-472.74	-18.01	-472.63	-7.21	132.36	-33.52	-4.62	103.46	-62.92
279	1	494	331.52	353.17	35.15	176.61	211.71	158.04	-12.74	-56.11	-52.35	-16.50	-12.20
		56	864.05	204.20	-728.87	176.61	-701.28	158.04	24.94	-101.31	24.94	-101.31	-0.44
		488	916.96	99.55	-732.47	68.36	-701.28	158.04	33.74	-153.35	25.59	-145.20	-38.18
		493	490.13	313.57	-33.50	68.36	211.71	158.04	-5.92	-106.17	-51.70	-60.39	-49.94
279	2	494	658.44	301.14	-100.66	-22.51	222.99	159.04	94.85	-102.34	-4.37	-3.13	-98.59
		56	929.07	12.74	-740.21	-22.51	-704.97	159.04	116.34	-93.27	-48.89	71.96	-85.64
		488	918.84	13.53	-740.18	-21.67	-704.97	159.04	127.99	-54.90	-37.70	110.80	-53.38

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		493	495.77	301.30	-99.99	-21.67	222.99	159.04	89.15	-46.63	6.81	35.71	-66.33
280	1	493	493.95	66.61	-165.88	64.69	-163.96	21.05	-15.77	-154.36	-31.15	-138.98	-43.53
		488	657.86	65.67	-387.77	64.69	-386.79	21.05	4.62	-146.48	-3.56	-138.31	-34.18
		118	729.77	-41.63	-388.08	-42.91	-386.79	21.05	3.09	-185.75	-3.73	-178.93	-35.24
		495	570.65	-39.35	-167.52	-42.91	-163.96	21.05	-18.95	-191.98	-31.32	-179.60	-44.59
280	2	493	411.41	-3.01	-83.74	-25.74	-61.02	36.31	90.69	-65.22	-16.84	42.31	-72.12
		488	715.66	-22.91	-491.60	-25.74	-488.77	36.31	138.42	-37.74	-12.92	113.60	-61.29
		118	770.01	-22.61	-491.60	-25.43	-488.77	36.31	165.88	-8.41	-1.97	159.43	-32.88
		495	367.63	-2.79	-83.66	-25.43	-61.02	36.31	105.33	-23.07	-5.89	88.15	-43.72
281	1	496	983.16	-22.83	-473.32	-41.34	-454.81	-89.43	30.56	-239.20	2.48	-211.11	-82.38
		497	734.93	4.22	-216.88	-41.34	-171.32	-89.43	25.61	-207.09	-19.96	-161.52	-92.35
		499	758.23	32.69	-210.52	-6.51	-171.32	-89.43	-4.73	-230.33	-30.18	-204.88	-71.37
		327	1043.90	10.67	-471.99	-6.51	-454.81	-89.43	6.71	-268.91	-7.73	-254.47	-61.41
281	2	496	627.17	-49.95	-559.09	-50.46	-558.59	-16.09	117.70	-19.72	10.38	87.60	-56.84
		497	263.82	-39.99	-75.19	-50.46	-64.72	-16.09	64.06	-44.10	-12.89	32.85	-49.00
		499	346.36	-3.71	-68.96	-7.95	-64.72	-16.09	83.47	-61.83	-9.19	30.83	-69.84
		327	672.73	-7.48	-559.06	-7.95	-558.59	-16.09	135.34	-35.68	14.08	85.58	-77.68
282	1	498	317.12	343.40	-97.00	1.51	244.89	183.52	-3.51	-60.90	-58.19	-6.22	-12.18
		68	868.76	46.14	-753.05	1.51	-708.42	183.52	36.81	-118.89	36.81	-118.88	-0.65
		492	1001.54	33.32	-753.83	-12.08	-708.42	183.52	46.28	-192.48	35.12	-181.31	-50.41
		497	581.76	340.43	-107.62	-12.08	244.89	183.52	-2.16	-126.36	-59.87	-68.65	-61.94
282	2	498	611.08	338.82	-117.36	-39.03	260.49	172.04	73.31	-89.27	-4.87	-11.09	-81.23
		68	842.62	2.61	-749.98	-39.03	-708.35	172.04	98.51	-84.91	-24.66	38.25	-86.15
		492	832.41	5.88	-749.79	-35.56	-708.35	172.04	99.12	-58.74	-24.00	64.37	-65.41
		497	498.18	339.42	-114.50	-35.56	260.49	172.04	66.66	-55.84	-4.21	15.04	-60.49
283	1	497	516.83	3.52	-191.18	-17.04	-170.62	59.84	-13.62	-174.30	-31.60	-156.32	-50.65
		492	690.08	-7.32	-385.32	-17.04	-375.60	59.84	10.11	-174.06	-1.43	-162.52	-44.63
		131	834.20	-9.40	-385.38	-19.18	-375.60	59.84	5.46	-228.83	-5.09	-218.28	-48.57
		499	658.64	1.61	-191.41	-19.18	-170.62	59.84	-19.76	-227.58	-35.26	-212.08	-54.59
283	2	497	394.95	-1.37	-104.81	-41.02	-65.16	50.29	71.24	-73.35	-19.41	17.30	-69.92
		492	634.92	-35.25	-479.43	-41.02	-473.67	50.29	113.75	-47.90	-7.45	73.31	-70.01
		131	645.93	-19.04	-479.23	-24.60	-473.67	50.29	119.49	-22.93	-4.20	100.77	-48.12
		499	331.55	9.35	-99.10	-24.60	-65.16	50.29	71.18	-42.58	-16.16	44.77	-48.03
284	1	500	1575.98	-52.31	-362.59	-60.41	-354.49	-49.48	-112.63	-553.09	-123.40	-542.32	-68.02
		501	1509.49	-51.22	-326.58	-60.41	-317.39	-49.48	-116.71	-539.94	-116.96	-539.69	-10.22
		503	2357.21	-32.45	-325.98	-41.04	-317.39	-49.48	-91.71	-850.56	-91.81	-850.46	-8.62
		326	2407.45	-33.41	-362.11	-41.04	-354.49	-49.48	-92.45	-858.89	-98.25	-853.09	-66.42
284	2	500	1185.39	-23.78	-348.81	-26.39	-346.20	28.97	-29.64	-397.42	-90.59	-336.47	-136.76
		501	1021.33	-23.72	-341.20	-26.39	-338.54	28.97	-16.13	-325.78	-53.37	-288.53	-100.72
		503	1519.89	-11.06	-341.10	-13.63	-338.54	28.97	-30.89	-505.80	-39.48	-497.21	-63.29
		326	1644.47	-11.12	-348.71	-13.63	-346.20	28.97	-56.52	-565.34	-76.70	-545.15	-99.32
285	1	502	883.33	130.23	-157.50	-99.40	72.13	115.51	124.34	-201.02	-13.80	-62.89	160.82
		203	1440.49	-78.53	-738.68	-99.40	-717.81	115.51	194.00	-249.47	157.38	-212.84	122.07
		504	1970.83	2.03	-736.34	-16.51	-717.81	115.51	79.74	-520.48	78.72	-519.45	-24.77
		501	940.60	151.53	-95.91	-16.51	72.13	115.51	-91.75	-370.20	-92.46	-369.50	13.98
285	2	502	1165.73	183.90	-161.20	-57.12	79.81	158.39	141.37	-315.52	74.24	-248.39	161.75
		203	2181.41	-21.94	-770.32	-57.12	-735.14	158.39	68.71	-597.95	66.59	-595.83	37.55
		504	1757.84	44.37	-767.32	12.19	-735.14	158.39	103.22	-514.02	-40.52	-370.28	-260.88
		501	821.08	207.96	-115.95	12.19	79.81	158.39	108.92	-164.63	-32.87	-22.84	-136.68
286	1	501	1561.29	26.80	-358.44	-20.63	-311.00	-126.59	-18.51	-519.97	-19.28	-519.20	19.64
		504	1828.65	17.44	-441.51	-20.63	-403.43	-126.59	-21.45	-597.52	-21.76	-597.21	13.35
		325	2709.36	60.17	-438.00	25.61	-403.43	-126.59	-65.69	-937.51	-68.99	-934.20	-53.58
		503	2441.72	67.90	-353.29	25.61	-311.00	-126.59	-63.69	-859.01	-66.51	-856.19	-47.29
286	2	501	1030.67	13.45	-338.61	9.29	-334.45	-38.03	-35.06	-318.11	-49.62	-303.55	-62.52
		504	1162.82	13.07	-373.00	9.29	-369.22	-38.03	-51.76	-365.07	-56.28	-360.55	-37.37
		325	1685.02	22.45	-372.91	18.76	-369.22	-38.03	-35.94	-553.90	-50.56	-539.29	-85.78
		503	1562.00	22.81	-338.50	18.76	-334.45	-38.03	-17.43	-508.75	-43.90	-482.28	-110.93
287	1	505	2226.54	-71.68	-359.69	-75.25	-356.12	-31.86	-7.41	-760.07	-63.96	-703.51	-198.41
		506	1888.71	-70.52	-290.17	-75.25	-285.45	-31.86	73.11	-608.98	1.43	-537.31	-209.17
		508	2564.67	-17.73	-289.24	-21.52	-285.45	-31.86	-48.62	-914.97	-54.77	-908.82	-72.79
		332	2968.68	-18.51	-359.12	-21.52	-356.12	-31.86	-116.15	-1079.04	-120.16	-1075.02	-62.03
287	2	505	1697.89	-13.27	-355.12	-22.23	-346.16	54.60	34.90	-563.24	-48.71	-479.64	-207.41
		506	1461.11	-11.97	-312.98	-22.23	-302.72	54.60	112.14	-445.99	8.97	-342.82	-216.65
		508	1804.82	-2.48	-312.65	-12.41	-302.72	54.60	-13.06	-617.95	-31.79	-599.21	-104.78
		332	2115.19	-3.70	-354.87	-12.41	-346.16	54.60	-75.65	-749.85	-89.47	-736.03	-95.54
288	1	507	1260.93	97.18	-200.56	-167.07	63.70	94.06	87.35	-391.02	-180.70	-122.98	-237.44
		215	842.38	-146.91	-605.91	-167.07	-585.74	94.06	-29.04	-285.74	-224.41	-90.38	-109.47
		500	1152.92	-69.78	-602.89	-86.93	-585.74	94.06	-89.70	-352.12	-114.58	-327.24	-76.87
		506	1415.07	108.88	-132.11	-86.93	63.70	94.06	35.32	-466.03	-70.87	-359.84	-204.84
288	2	507	1281.20	158.75	-163.86	-72.76	67.66	145.22	137.49	-334.10	-113.81	-82.80	-235.28
		215	1016.10	-35.96	-645.72	-72.76	-608.92	145.22	59.29	-261.43	-142.38	-59.76	-154.95
		500	975.41	4.46	-643.30	-29.93	-608.92	145.22	8.17	-287.84	-73.20	-206.47	-132.15

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		506	1302.70	172.06	-134.33	-29.93	67.66	145.22	94.66	-368.79	-44.63	-229.51	-212.49
289	1	506	1786.46	-50.21	-324.70	-93.50	-281.41	-100.04	-72.62	-628.25	-121.43	-579.44	-157.29
		500	1634.76	-59.12	-384.56	-93.50	-350.17	-100.04	-94.33	-565.34	-116.30	-543.37	-99.33
		326	2446.29	86.89	-373.07	63.99	-350.17	-100.04	-84.34	-856.44	-90.52	-850.26	-68.79
		508	2550.10	90.87	-308.29	63.99	-281.41	-100.04	-75.82	-906.16	-95.65	-886.33	-126.75
289	2	506	1384.17	-35.91	-300.90	-36.12	-300.69	-7.44	4.11	-460.19	-79.40	-376.68	-178.32
		500	1240.98	-35.94	-344.03	-36.12	-343.85	-7.44	-7.25	-401.36	-71.73	-336.88	-145.79
		326	1690.12	35.52	-343.99	35.37	-343.85	-7.44	-36.03	-565.59	-61.03	-540.59	-112.31
		508	1805.99	35.54	-300.85	35.37	-300.69	-7.44	-30.55	-618.54	-68.70	-580.39	-144.84
290	1	509	2298.00	-88.40	-339.89	-88.49	-339.81	4.67	-27.08	-802.48	-42.61	-786.95	-108.63
		510	2048.70	-88.37	-268.13	-88.49	-268.00	4.67	41.06	-694.65	13.64	-667.23	-139.35
		512	3035.85	-16.48	-268.09	-16.57	-268.00	4.67	-70.42	-1107.16	-72.13	-1105.45	-42.06
		338	3331.38	-16.50	-339.87	-16.57	-339.81	4.67	-128.26	-1225.29	-128.38	-1225.17	-11.34
290	2	509	1817.00	10.43	-365.71	-12.50	-342.78	90.00	2.84	-615.70	-34.22	-578.64	-146.80
		510	1606.14	14.26	-315.22	-12.50	-288.46	90.00	78.47	-516.14	23.09	-460.76	-172.81
		512	2219.80	-5.47	-317.09	-34.10	-288.46	90.00	-35.27	-787.59	-43.27	-779.58	-77.21
		338	2492.59	-9.77	-367.10	-34.10	-342.78	90.00	-97.31	-900.74	-100.58	-897.46	-51.20
291	1	511	603.01	105.04	-262.81	-225.34	67.57	111.26	53.77	-131.24	53.35	-130.82	8.80
		227	1295.06	-193.52	-614.48	-225.34	-582.67	111.26	167.93	-281.09	163.43	-276.59	-44.71
		505	2172.31	-77.20	-607.16	-101.69	-582.67	111.26	112.59	-648.92	66.47	-602.80	-181.63
		510	1434.21	122.73	-156.86	-101.69	67.57	111.26	-7.13	-493.52	-43.61	-457.03	-128.12
291	2	511	664.05	180.70	-169.68	-57.37	68.38	163.52	70.12	-130.62	33.45	-93.94	-77.57
		227	1080.47	-11.68	-642.52	-57.37	-596.82	163.52	143.18	-220.60	106.31	-183.73	-109.78
		505	1691.55	20.04	-640.17	-23.31	-596.82	163.52	117.25	-478.41	44.84	-406.01	-194.65
		510	1273.87	192.36	-147.28	-23.31	68.38	163.52	45.02	-389.26	-28.02	-316.21	-162.44
292	1	510	2010.14	-79.18	-291.98	-107.72	-263.44	-72.52	2.88	-693.42	-8.98	-681.56	-90.09
		505	2101.77	-87.82	-371.95	-107.72	-352.05	-72.52	17.81	-698.07	-3.93	-676.34	-122.82
		332	3121.21	90.61	-363.93	78.74	-352.05	-72.52	-75.17	-1105.16	-89.08	-1091.26	-118.85
		512	3043.56	93.47	-278.17	78.74	-263.44	-72.52	-86.79	-1103.83	-94.13	-1096.48	-86.12
292	2	510	1556.61	-27.13	-287.85	-29.38	-285.60	24.12	26.02	-512.35	-8.44	-477.89	-131.78
		505	1595.12	-27.54	-345.86	-29.38	-344.02	24.12	47.23	-505.06	-0.32	-457.50	-154.93
		332	2244.12	31.99	-345.57	30.44	-344.02	24.12	-33.59	-775.56	-60.30	-748.86	-138.21
		512	2223.00	32.27	-287.43	30.44	-285.60	24.12	-50.00	-787.65	-68.41	-769.24	-115.06
293	1	513	2374.66	-53.52	-341.93	-57.69	-337.76	-34.43	42.67	-792.66	41.19	-791.19	35.13
		514	2301.39	-53.98	-377.51	-57.69	-373.80	-34.43	51.51	-749.23	48.37	-746.10	-50.01
		516	3463.99	-31.83	-377.27	-35.30	-373.80	-34.43	-104.94	-1258.37	-105.06	-1258.25	-11.92
		344	3562.86	-31.43	-341.63	-35.30	-337.76	-34.43	-107.76	-1307.82	-112.24	-1303.34	73.21
293	2	513	1933.11	18.89	-350.81	15.38	-347.30	35.83	53.15	-608.12	53.02	-607.99	-9.40
		514	1877.37	18.53	-392.76	15.38	-389.61	35.83	79.64	-567.52	65.87	-553.74	-93.40
		516	2692.57	-68.95	-393.62	-72.95	-389.61	35.83	-70.12	-955.06	-72.73	-952.44	-48.02
		344	2795.66	-68.35	-351.91	-72.95	-347.30	35.83	-84.18	-1008.09	-85.58	-1006.69	35.99
294	1	515	613.65	91.58	-227.65	-171.57	35.50	121.47	78.16	-155.75	65.72	-143.31	52.49
		239	1252.94	-137.85	-609.15	-171.57	-575.43	121.47	135.43	-267.46	135.03	-267.06	12.68
		509	2157.11	-50.84	-603.56	-78.97	-575.43	121.47	61.58	-656.25	47.06	-641.73	-101.06
		514	1464.11	112.55	-156.02	-78.97	35.50	121.47	-14.79	-525.43	-22.24	-517.98	-61.25
294	2	515	526.11	217.80	-121.50	57.00	39.30	169.42	73.65	-114.26	69.29	-109.90	-28.29
		239	1120.86	98.62	-632.52	57.00	-590.90	169.42	125.28	-205.76	112.46	-192.95	-63.85
		509	1772.87	57.72	-635.15	13.46	-590.90	169.42	76.18	-507.89	40.52	-472.23	-139.84
		514	1254.59	196.30	-143.53	13.46	39.30	169.42	23.69	-415.51	-2.65	-389.17	-104.28
295	1	514	2239.48	-86.62	-373.03	-88.97	-370.68	-25.87	-12.71	-763.55	-13.39	-762.87	-22.57
		509	2234.36	-86.29	-338.64	-88.97	-335.96	-25.87	-0.22	-763.95	-5.24	-758.93	-61.75
		338	3441.64	49.81	-337.69	48.07	-335.96	-25.87	-102.96	-1249.09	-106.02	-1246.03	-59.19
		516	3454.43	49.66	-372.27	48.07	-370.68	-25.87	-113.81	-1250.33	-114.16	-1249.97	-20.01
295	2	514	1804.06	11.18	-395.57	2.86	-387.25	57.59	5.83	-582.54	-3.28	-573.43	-72.65
		509	1762.27	12.25	-350.46	2.86	-341.07	57.59	30.72	-570.03	9.82	-549.13	-110.07
		338	2600.60	-10.96	-351.12	-21.01	-341.07	57.59	-65.34	-928.20	-74.94	-918.60	-90.51
		516	2662.91	-12.16	-396.09	-21.01	-387.25	57.59	-84.76	-946.18	-88.05	-942.89	-53.08
296	1	517	2055.30	-40.66	-486.74	-58.14	-469.25	86.58	11.46	-649.01	-33.68	-603.88	166.65
		518	2039.97	-7.12	-205.07	-58.14	-154.04	86.58	-48.58	-741.55	-105.05	-685.08	189.59
		520	2800.38	37.93	-193.09	-1.12	-154.04	86.58	-104.95	-1052.65	-122.29	-1035.30	127.04
		350	2851.14	14.38	-484.75	-1.12	-469.25	86.58	-39.07	-965.95	-50.92	-954.11	104.10
296	2	517	1635.87	20.52	-509.54	10.25	-499.27	73.05	47.27	-462.56	1.82	-417.11	145.29
		518	1646.00	28.58	-280.93	10.25	-262.60	73.05	-21.59	-554.44	-69.09	-506.94	151.84
		520	2259.99	-26.07	-285.16	-48.64	-262.60	73.05	-89.60	-823.08	-98.84	-813.85	81.80
		350	2253.80	-37.09	-510.82	-48.64	-499.27	73.05	-19.89	-732.05	-27.94	-724.01	75.25
297	1	519	2465.62	164.54	-177.94	-139.21	125.81	108.47	533.24	-493.41	134.81	-94.99	500.30
		251	2673.91	-111.69	-566.77	-139.21	-539.25	108.47	501.27	-539.47	366.82	-405.03	349.07
		513	2607.39	-98.04	-565.92	-124.70	-539.25	108.47	164.44	-764.06	160.79	-760.41	58.07
		518	1494.38	166.25	-165.14	-124.70	125.81	108.47	21.60	-543.19	-71.22	-450.37	209.30
297	2	519	2132.67	238.52	-35.25	101.46	101.81	136.89	464.75	-389.71	150.94	-75.91	411.90
		251	2407.62	128.61	-588.84	101.46	-561.69	136.89	437.68	-428.41	350.98	-341.71	259.95
		513	2210.44	-3.20	-595.25	-36.75	-561.69	136.89	155.75	-602.02	155.61	-601.88	10.36

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		518	1188.33	185.95	-120.89	-36.75	101.81	136.89	27.94	-408.44	-44.43	-336.08	162.31
298	1	518	2070.51	-38.00	-244.71	-129.22	-153.49	-102.64	142.74	-685.69	67.90	-610.85	237.48
		513	2430.40	-86.80	-377.59	-129.22	-335.18	-102.64	25.47	-845.67	-4.24	-815.95	158.13
		344	3505.77	103.18	-359.21	79.15	-335.18	-102.64	-146.53	-1288.26	-146.63	-1288.15	-11.06
		520	2926.87	117.96	-192.30	79.15	-153.49	-102.64	-69.89	-1087.64	-74.49	-1083.04	68.29
298	2	518	1702.56	-38.36	-271.11	-45.81	-263.66	-40.98	125.26	-523.37	70.83	-468.94	179.84
		513	1966.09	-40.34	-352.68	-45.81	-347.21	-40.98	35.34	-644.27	21.04	-629.97	97.53
		344	2745.02	-5.22	-352.12	-10.13	-347.21	-40.98	-109.81	-993.09	-111.28	-991.62	-36.02
		520	2316.02	-3.68	-270.11	-10.13	-263.66	-40.98	-58.71	-833.36	-61.49	-830.58	46.29
299	1	521	1230.96	-28.55	-907.40	-211.07	-724.88	-356.51	10.53	-239.65	-8.46	-220.66	-66.26
		522	1160.10	-0.95	-815.95	-211.07	-605.83	-356.51	6.53	-234.72	-18.71	-209.48	-73.84
		524	1858.32	-5.39	-817.50	-217.07	-605.83	-356.51	-59.06	-553.88	-67.25	-545.69	-63.15
		335	1955.68	-33.29	-908.65	-217.07	-724.88	-356.51	-50.90	-562.98	-57.00	-556.88	-55.57
299	2	521	1444.91	634.54	-1267.95	-6.91	-626.50	899.39	-17.45	-204.25	-72.21	-149.50	-85.03
		522	1453.09	561.24	-1430.64	-6.91	-862.49	899.39	50.93	-133.71	2.91	-85.69	-81.00
		524	1385.41	442.94	-1482.13	-176.70	-862.49	899.39	-1.90	-213.76	-7.44	-208.22	-33.81
		335	1334.36	525.48	-1328.68	-176.70	-626.50	899.39	-75.28	-279.30	-82.56	-272.02	-37.84
300	1	523	859.63	73.70	-431.00	-62.47	-294.83	-224.02	262.35	-37.91	11.36	213.08	-111.21
		277	1271.83	-4.70	-931.08	-62.47	-873.31	-224.02	331.65	28.11	71.70	288.06	-106.45
		525	786.09	-136.91	-941.45	-205.06	-873.31	-224.02	66.48	-47.02	39.83	-20.37	-48.11
		522	637.55	-21.47	-478.41	-205.06	-294.83	-224.02	6.85	-122.70	-20.50	-95.35	-52.87
300	2	523	1113.78	272.18	-1322.47	-340.83	-709.46	775.73	77.19	39.09	65.67	50.60	-17.50
		277	1161.39	180.74	-1494.58	-340.83	-973.01	775.73	-13.74	-79.47	-55.54	-37.68	-31.63
		525	1397.15	353.39	-1426.69	-100.28	-973.01	775.73	-5.48	-200.68	-81.27	-124.88	-95.13
		522	1310.88	428.52	-1238.26	-100.28	-709.46	775.73	91.25	-87.92	39.93	-36.60	-81.00
301	1	522	1226.44	30.60	-847.37	-213.43	-603.33	-393.32	-3.44	-253.27	-32.95	-223.76	-80.63
		525	1257.29	4.91	-921.97	-213.43	-703.63	-393.32	41.83	-224.74	15.47	-198.37	-79.58
		319	1897.22	37.71	-912.31	-170.97	-703.63	-393.32	-12.60	-515.87	-20.54	-507.93	-62.72
		524	1853.19	61.67	-835.97	-170.97	-603.33	-393.32	-60.37	-541.92	-68.97	-533.32	-63.77
301	2	522	1074.67	346.78	-1305.19	-87.02	-871.39	726.94	22.67	-107.09	7.70	-92.13	-41.45
		525	1028.47	430.97	-1107.21	-87.02	-589.22	726.94	-49.56	-189.97	-62.03	-177.50	-39.95
		319	1376.72	330.56	-1163.75	-243.97	-589.22	726.94	-29.44	-330.12	-73.44	-286.13	-106.27
		524	1344.07	234.06	-1349.43	-243.97	-871.39	726.94	43.79	-248.25	-3.70	-200.76	-107.77
302	1	526	1140.73	-79.87	-832.35	-206.74	-705.47	-281.73	1.09	-234.77	-10.71	-222.96	-51.43
		527	1095.30	-68.84	-782.33	-206.74	-644.43	-281.73	-7.77	-232.14	-23.44	-216.46	-57.20
		529	1891.16	3.36	-766.96	-119.16	-644.43	-281.73	-65.95	-566.43	-71.06	-561.32	-50.28
		337	1951.68	-5.73	-818.90	-119.16	-705.47	-281.73	-54.47	-571.68	-58.33	-567.82	-44.51
302	2	526	1447.70	559.29	-1163.52	1.01	-605.24	806.31	-19.03	-264.77	-85.06	-198.74	-108.93
		527	1439.41	589.15	-1104.38	1.01	-516.24	806.31	76.09	-164.83	5.80	-94.54	-109.51
		529	1160.58	360.66	-1257.63	-380.73	-516.24	806.31	-6.85	-230.78	-10.71	-226.92	-29.17
		337	1376.13	321.10	-1307.07	-380.73	-605.24	806.31	-98.07	-334.62	-101.58	-331.12	-28.58
303	1	528	811.20	-190.76	-714.28	-416.68	-488.36	-259.29	245.61	-7.64	14.64	223.34	-71.73
		280	1146.23	-294.14	-965.35	-416.68	-482.81	-259.29	311.59	58.60	89.53	280.67	-82.86
		521	793.06	-143.65	-938.97	-239.81	-842.81	-259.29	58.56	-51.22	39.91	-32.56	-41.23
		527	657.83	-76.55	-651.62	-239.81	-488.36	-259.29	-21.70	-103.17	-34.98	-89.89	-30.10
303	2	528	1793.60	1355.51	-625.37	795.46	-65.32	892.04	185.03	-98.50	10.01	76.52	-137.81
		280	2057.29	1198.92	-1176.81	795.46	-773.35	892.04	149.65	-147.28	-98.57	100.94	-109.95
		521	1476.81	498.94	-1398.78	-126.50	-773.35	892.04	19.86	-142.61	-85.11	-37.64	-77.69
		527	1535.38	796.66	-988.47	-126.50	-65.32	892.04	94.59	-133.19	23.47	-62.07	-105.55
304	1	527	1162.84	1.11	-883.95	-241.37	-641.46	-394.74	-12.42	-235.50	-26.30	-221.63	-53.88
		521	1233.08	-18.05	-939.09	-241.37	-715.77	-394.74	8.92	-237.06	-7.19	-220.95	-60.84
		335	2022.68	145.82	-896.62	-35.03	-715.77	-394.74	-47.33	-563.80	-54.94	-556.19	-62.24
		529	1946.82	159.51	-836.00	-35.03	-641.46	-394.74	-67.80	-563.11	-74.05	-556.86	-55.27
304	2	527	1357.05	587.31	-1264.81	-147.14	-530.35	906.02	26.97	-134.10	-8.50	-98.63	-66.74
		521	1334.74	540.82	-1340.34	-147.14	-652.39	906.02	-36.60	-181.18	-70.66	-147.13	-61.35
		335	1534.44	350.58	-1470.83	-467.87	-652.39	906.02	-40.07	-313.89	-80.05	-273.90	-96.69
		529	1581.08	407.45	-1405.67	-467.87	-530.35	906.02	23.91	-267.21	-17.89	-225.41	-102.08
305	1	530	1111.16	-84.30	-758.82	-178.42	-664.70	-233.72	-7.33	-245.85	-15.67	-237.51	-43.82
		531	1021.78	-68.11	-673.64	-178.42	-563.33	-233.72	-13.90	-234.54	-26.24	-222.19	-50.70
		306	1850.95	18.70	-657.18	-75.16	-563.33	-233.72	-73.48	-578.62	-76.12	-575.98	-36.42
		340	1959.95	6.26	-746.11	-75.16	-664.70	-233.72	-63.90	-592.95	-65.56	-591.29	-29.54
305	2	530	1293.08	489.67	-1264.30	26.70	-801.32	773.11	-44.56	-271.94	-80.77	-235.73	-83.20
		531	1332.64	509.15	-1212.18	26.70	-729.72	773.11	65.12	-174.59	19.74	-129.21	-93.91
		306	1399.28	152.64	-1407.11	-524.75	-729.72	773.11	-10.73	-292.04	-11.30	-291.48	-12.56
		340	1647.25	122.35	-1448.42	-524.75	-801.32	773.11	-111.80	-398.01	-111.81	-398.00	-1.86
306	1	532	854.13	-139.83	-603.75	-373.89	-369.69	-231.95	260.36	-29.17	-3.28	234.48	-82.61
		290	1200.93	-265.51	-870.30	-373.89	-761.91	-231.95	346.09	56.44	83.51	319.01	-84.32
		526	621.76	-182.77	-854.81	-275.66	-761.91	-231.95	49.06	-17.95	42.07	-10.95	-20.49
		531	562.85	-86.01	-559.34	-275.66	-369.69	-231.95	-38.54	-101.68	-44.73	-95.49	-18.78
306	2	532	1500.03	1245.49	-911.08	791.49	-457.08	879.18	150.91	11.57	90.59	71.89	-69.04
		290	1796.04	1176.26	-1217.41	791.49	-832.64	879.18	75.61	-111.96	-54.83	18.47	-86.33
		526	1616.59	602.82	-1371.12	64.34	-832.64	879.18	9.40	-228.06	-91.03	-127.63	-117.31

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		531	1480.87	720.65	-1113.39	64.34	-457.08	879.18	108.99	-128.82	54.38	-74.20	-100.02
307	1	531	1040.64	-82.16	-764.14	-283.56	-562.74	-311.11	-23.24	-235.76	-33.36	-225.65	-45.26
		526	1132.79	-117.54	-866.56	-283.56	-700.54	-311.11	1.09	-232.39	-10.14	-221.16	-49.95
		337	2012.12	153.19	-813.92	39.82	-700.54	-311.11	-52.45	-573.94	-57.00	-569.39	-48.49
		306	1903.75	171.62	-694.54	39.82	-562.74	-311.11	-76.36	-577.73	-80.22	-573.87	-43.80
307	2	531	1129.52	516.61	-1191.47	60.52	-735.38	755.66	26.29	-155.50	8.55	-137.76	-53.94
		526	1189.20	549.58	-1107.07	60.52	-618.00	755.66	-32.51	-216.56	-60.18	-188.89	-65.78
		337	1477.02	120.41	-1391.31	-652.90	-618.00	755.66	-53.46	-373.92	-90.70	-336.68	-102.70
		306	1409.81	62.64	-1450.93	-652.90	-735.38	755.66	6.32	-313.84	-21.97	-285.55	-90.87
308	1	307	1008.53	43.29	-584.09	-10.32	-530.48	-175.38	-21.66	-240.02	-27.15	-234.54	-34.18
		308	1077.91	34.15	-702.11	-10.32	-657.65	-175.38	-44.19	-246.48	-49.14	-241.53	-31.26
		435	2014.16	-58.08	-708.95	-109.38	-657.65	-175.38	-90.47	-633.44	-92.74	-631.17	-35.01
		341	1938.05	-45.90	-593.95	-109.38	-530.48	-175.38	-68.17	-626.77	-70.75	-624.18	-37.93
308	2	307	1126.46	152.98	-1046.70	-36.10	-857.62	437.13	-42.24	-244.44	-59.10	-227.59	-55.89
		308	1189.74	128.50	-1196.98	-36.10	-1032.38	437.13	3.99	-209.86	-14.62	-191.25	-60.27
		435	1526.14	-350.53	-1312.62	-630.77	-1032.38	437.13	-37.55	-374.45	-40.93	-371.07	-33.57
		341	1493.88	-292.59	-1195.80	-630.77	-857.62	437.13	-82.78	-410.03	-85.41	-407.41	-29.19
309	1	304	856.72	-122.28	-544.08	-262.47	-403.90	-198.69	263.44	-17.14	-0.27	246.57	-66.70
		300	1255.61	-194.85	-846.34	-262.47	-778.72	-198.69	355.63	70.87	93.90	332.60	-77.64
		530	634.94	-116.98	-838.38	-176.63	-778.72	-198.69	42.73	-21.95	39.88	-19.09	-13.28
		308	533.30	-61.38	-519.15	-176.63	-403.90	-198.69	-54.19	-105.23	-54.30	-105.12	-2.34
309	2	304	1422.01	1194.53	-836.25	897.04	-538.76	718.08	131.56	-7.19	60.70	63.67	-69.36
		300	1724.03	1159.13	-1070.38	897.04	-808.29	718.08	82.97	-110.89	-68.68	40.76	-80.00
		530	1290.03	412.53	-1230.66	-9.84	-808.29	718.08	-27.68	-202.85	-100.66	-129.87	-86.36
		308	1181.51	490.93	-1039.53	-9.84	-538.76	718.08	62.54	-140.78	28.72	-106.96	-75.71
310	1	308	1105.22	-78.20	-764.70	-184.61	-658.29	-248.45	-39.92	-255.84	-47.71	-248.05	-40.25
		530	1089.00	-78.05	-763.87	-184.61	-657.31	-248.45	-0.16	-233.47	-8.58	-225.05	-43.52
		340	2030.37	132.32	-735.48	54.15	-657.31	-248.45	-55.92	-603.33	-57.33	-601.92	-27.75
		435	2043.45	132.23	-736.38	54.15	-658.29	-248.45	-95.33	-626.05	-96.46	-624.92	-24.48
310	2	308	1269.48	292.98	-1378.16	-41.05	-1044.12	668.31	-5.87	-193.77	-18.58	-181.05	-47.20
		530	1168.76	342.20	-1206.45	-41.05	-823.19	668.31	-58.16	-229.31	-72.46	-215.00	-47.37
		340	1502.94	-154.04	-1490.66	-821.51	-823.19	668.31	-81.66	-431.02	-96.76	-415.92	-71.04
		435	1562.27	-255.30	-1610.33	-821.51	-1044.12	668.31	-28.66	-396.19	-42.88	-381.97	-70.87
311	1	98	1386.00	98.62	-952.35	90.48	-944.21	-92.12	23.37	-257.90	14.06	-248.59	-50.32
		122	869.60	107.90	-396.83	90.48	-379.41	-92.12	-4.75	-215.45	-15.80	-204.40	-46.97
		401	1881.50	-28.00	-403.56	-52.16	-379.41	-92.12	-64.96	-644.77	-65.02	-644.71	-5.83
		334	2409.44	-42.74	-953.63	-52.16	-944.21	-92.12	-35.03	-689.03	-35.16	-688.90	-9.18
311	2	98	1721.57	360.60	-1271.16	357.70	-1268.25	-68.82	0.53	-287.54	-14.90	-272.11	-64.86
		122	1643.07	360.32	-1445.15	357.70	-1442.52	-68.82	75.13	-181.74	45.33	-151.94	-82.26
		401	2034.06	-473.04	-1447.41	-477.93	-1442.52	-68.82	-9.78	-459.19	-10.28	-458.69	15.00
		334	2181.53	-471.98	-1274.20	-477.93	-1268.25	-68.82	-68.46	-580.92	-70.52	-578.86	32.41
312	1	176	1078.29	483.77	235.62	237.84	481.55	-23.36	309.33	-1.11	4.58	303.63	-41.66
		310	1474.41	238.36	-802.11	237.84	-801.59	-23.36	357.38	57.70	64.09	350.99	-43.27
		307	482.51	-326.75	-802.74	-327.90	-801.59	-23.36	23.07	-4.58	20.04	-1.55	-8.63
		122	517.58	482.22	-328.57	-327.90	481.55	-23.36	-35.73	-52.65	-39.46	-48.91	-7.02
312	2	176	827.69	867.02	-353.76	789.76	-276.49	297.25	105.44	47.06	60.06	92.44	-24.29
		310	1285.27	840.31	-958.05	789.76	-907.50	297.25	31.63	-77.54	-69.03	23.12	-29.26
		307	816.71	-38.82	-1009.21	-140.53	-907.50	297.25	-30.01	-184.30	-91.86	-122.45	-75.61
		122	692.18	96.41	-513.44	-140.53	-276.49	297.25	75.91	-91.81	37.23	-53.14	-70.65
313	1	122	963.59	-18.77	-742.64	-364.79	-396.63	-361.59	-40.38	-239.49	-46.59	-233.28	-34.61
		307	1051.42	-79.66	-823.34	-364.79	-538.22	-361.59	-16.66	-240.43	-22.88	-234.21	-36.78
		341	2058.52	276.58	-698.68	116.12	-538.22	-361.59	-69.13	-627.04	-72.02	-624.15	-40.04
		401	1936.66	303.00	-583.51	116.12	-396.63	-361.59	-93.03	-625.92	-95.73	-623.22	-37.86
313	2	122	1479.18	-181.02	-1524.56	-211.70	-1493.88	200.68	-21.61	-231.10	-33.40	-219.31	-48.28
		307	1066.14	-155.79	-932.09	-211.70	-876.18	200.68	-38.24	-238.11	-53.25	-223.10	-52.68
		341	1458.77	-612.09	-1028.68	-764.58	-876.18	200.68	-71.93	-419.18	-80.51	-410.61	-53.89
		401	1839.37	-713.01	-1545.46	-764.58	-1493.88	200.68	-53.73	-413.75	-60.66	-406.82	-49.49
314	1	403	1204.44	-39.59	-511.85	-42.87	-508.57	-39.22	35.71	-318.35	-1.14	-281.51	-108.11
		405	723.07	-12.24	-93.07	-42.87	-62.43	-39.22	27.48	-235.78	-29.55	-178.75	-108.45
		407	769.11	-15.23	-95.01	-47.81	-62.43	-39.22	-21.90	-281.24	-39.87	-263.27	-65.87
		354	1331.32	-44.50	-511.88	-47.81	-508.57	-39.22	0.27	-377.75	-11.45	-366.03	-65.53
314	2	403	586.88	-50.17	-468.91	-51.63	-467.45	-24.69	63.30	-116.64	-13.02	-40.31	-88.93
		405	431.23	-40.44	-106.11	-51.63	-94.91	-24.69	99.77	-74.79	7.36	17.63	-87.13
		407	329.27	5.31	-101.00	-0.77	-94.91	-24.69	79.84	-50.46	8.64	20.74	-64.87
		354	519.54	0.53	-468.75	-0.77	-467.45	-24.69	43.40	-92.35	-11.74	-37.20	-66.67
315	1	406	555.67	352.13	-101.21	-23.02	273.93	171.27	55.56	-119.29	-82.93	19.20	-70.97
		212	695.47	8.95	-940.48	-23.02	-908.51	171.27	62.51	3.90	47.87	18.54	25.37
		408	1162.47	-19.88	-941.52	-52.89	-908.51	171.27	76.24	-162.88	74.75	-161.39	18.81
		405	791.09	347.24	-126.20	-52.89	273.93	171.27	-14.85	-201.93	-56.05	-160.73	-77.53
315	2	406	392.86	341.16	-114.55	-34.38	260.99	173.52	41.66	-66.44	31.56	-56.34	31.46
		212	1439.74	0.29	-902.82	-34.38	-868.15	173.52	36.98	-347.32	3.18	-313.51	-108.86
		408	1198.78	-11.76	-903.30	-46.91	-868.15	173.52	118.71	-314.41	-47.58	-148.13	-210.64

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		405	540.53	339.01	-124.93	-46.91	260.99	173.52	140.09	-50.25	-19.20	109.04	-70.33
316	1	405	516.04	-33.86	-78.43	-52.77	-59.52	22.03	-9.01	-193.43	-27.12	-175.32	-54.89
		408	1067.78	-51.84	-573.99	-52.77	-573.06	22.03	44.72	-247.24	34.94	-237.45	-52.54
		353	1341.42	11.46	-573.89	10.63	-573.06	22.03	42.69	-345.63	25.24	-328.18	-80.45
		407	792.91	16.97	-65.86	10.63	-59.52	22.03	-10.05	-292.83	-36.83	-266.05	-82.80
316	2	405	436.63	-5.68	-135.77	-45.17	-96.28	59.81	72.04	-85.43	-13.49	0.11	-78.44
		408	514.66	-37.13	-489.87	-45.17	-481.83	59.81	35.17	-110.49	-51.45	-23.87	-71.51
		353	594.79	-22.29	-489.61	-30.07	-481.83	59.81	66.83	-100.69	-43.89	10.03	-79.30
		407	491.70	5.19	-131.54	-30.07	-96.28	59.81	102.55	-74.48	-5.94	34.01	-86.23
317	1	409	1333.94	-46.17	-501.21	-46.80	-500.58	-16.98	42.92	-368.96	3.38	-329.41	-121.35
		110	773.30	-36.32	-74.29	-46.80	-63.81	-16.98	45.83	-251.38	-15.70	-189.86	-120.42
		125	815.81	-34.57	-73.67	-44.43	-63.81	-16.98	-11.62	-298.31	-26.46	-283.47	-63.52
		358	1472.36	-43.80	-501.21	-44.43	-500.58	-16.98	2.37	-432.79	-7.39	-423.03	-64.45
317	2	409	626.61	-41.69	-457.34	-41.89	-457.14	9.13	52.02	-136.14	-7.21	-76.91	-87.38
		110	417.12	-39.87	-83.12	-41.89	-81.10	9.13	78.45	-98.13	-1.72	-17.95	-87.91
		125	314.06	2.37	-82.10	1.37	-81.10	9.13	49.87	-81.64	-3.26	-28.51	-64.53
		358	599.30	1.55	-457.32	1.37	-457.14	9.13	27.03	-123.24	-8.74	-87.47	-64.00
318	1	113	360.97	305.87	-178.91	-108.02	234.98	171.29	-18.22	-60.67	-60.67	-18.22	-0.24
		224	1068.51	-65.72	-801.73	-108.02	-759.44	171.29	60.00	-183.98	59.75	-183.73	7.77
		403	1288.16	-19.61	-799.09	-59.27	-759.44	171.29	65.58	-283.69	53.27	-271.37	-64.41
		110	658.98	313.66	-137.95	-59.27	234.98	171.29	-11.55	-161.48	-67.16	-105.86	-72.43
318	2	113	547.96	303.27	-177.25	-97.50	223.52	178.77	59.53	-76.42	-13.53	-3.37	-67.79
		224	651.64	-50.73	-780.85	-97.50	-734.09	178.77	55.99	-83.26	-0.43	-26.84	-68.36
		403	685.04	4.90	-777.33	-38.34	-734.09	178.77	61.09	-99.50	-1.88	-36.53	-78.40
		110	592.97	314.18	-129.00	-38.34	223.52	178.77	63.81	-91.86	-14.98	-13.06	-77.83
319	1	110	559.65	-35.40	-86.79	-61.74	-60.45	25.69	-9.69	-210.71	-24.85	-195.55	-53.08
		403	1086.20	-60.26	-506.73	-61.74	-505.24	25.69	7.99	-290.59	-1.03	-281.57	-51.11
		354	1359.23	27.69	-506.48	26.45	-505.24	25.69	9.89	-385.83	-10.15	-365.80	-86.76
		125	843.12	33.48	-67.48	26.45	-60.45	25.69	-5.29	-308.46	-33.97	-279.78	-88.73
319	2	110	411.07	5.96	-129.70	-40.80	-82.94	64.48	58.17	-88.23	-8.03	-22.03	-72.86
		403	467.41	-31.29	-478.08	-40.80	-468.58	64.48	51.15	-97.66	-9.92	-36.60	-73.20
		354	492.68	-21.10	-477.87	-30.39	-468.58	64.48	54.88	-105.82	-10.54	-40.40	-78.95
		125	437.73	12.96	-126.29	-30.39	-82.94	64.48	61.83	-96.33	-8.66	-25.84	-78.61
320	1	132	1637.27	-0.75	-503.62	-1.08	-503.28	13.01	48.85	-475.26	13.41	-439.82	-131.60
		161	924.51	2.07	-54.73	-1.08	-51.57	13.01	69.57	-301.73	0.59	-232.75	-144.41
		284	994.81	-41.00	-67.58	-57.01	-51.57	13.01	-11.03	-373.65	-21.51	-363.17	-60.73
		362	1837.96	-56.63	-503.66	-57.01	-503.28	13.01	-4.63	-574.30	-8.69	-570.24	-47.92
320	2	132	833.46	50.54	-476.29	45.51	-471.26	51.22	44.81	-199.13	0.88	-155.20	-93.74
		161	537.68	65.12	-88.27	45.51	-68.66	51.22	86.82	-126.04	10.26	-49.48	-102.15
		284	388.81	7.09	-103.29	-27.54	-68.66	51.22	32.56	-115.87	1.75	-85.06	-60.20
		362	824.20	-21.71	-477.10	-27.54	-471.26	51.22	6.00	-204.41	-7.63	-190.79	-51.78
321	1	283	344.28	315.25	-150.89	-71.17	235.54	175.51	-25.10	-66.40	-66.38	-25.11	-0.68
		236	1163.84	-27.44	-775.58	-71.17	-731.85	175.51	73.23	-213.22	72.80	-212.79	11.09
		409	1417.78	-4.20	-774.18	-46.53	-731.85	175.51	78.87	-329.94	66.19	-317.25	-70.89
		161	733.95	319.66	-130.65	-46.53	235.54	175.51	-13.92	-188.65	-73.00	-129.58	-82.66
321	2	283	548.52	332.79	-107.25	4.34	221.21	191.44	53.01	-80.03	-18.60	-8.43	-66.33
		236	603.46	52.94	-749.71	4.34	-701.10	191.44	44.71	-84.91	6.22	-46.42	-59.23
		409	676.67	54.47	-749.61	5.97	-701.10	191.44	53.55	-116.02	7.02	-69.50	-75.66
		161	638.99	333.21	-106.03	5.97	221.21	191.44	58.40	-107.69	-17.79	-31.50	-82.76
322	1	161	687.18	-5.02	-93.80	-49.50	-49.33	44.39	-15.49	-263.37	-29.36	-249.50	-56.97
		409	1207.37	-45.13	-500.71	-49.50	-496.34	44.39	16.60	-333.66	7.31	-324.37	-56.29
		358	1515.94	32.54	-500.07	28.82	-496.34	44.39	12.92	-444.90	-4.70	-427.28	-88.09
		284	997.18	48.88	-69.39	28.82	-49.33	44.39	-17.82	-375.95	-41.37	-352.40	-88.76
322	2	161	456.67	68.50	-137.12	3.06	-71.68	95.78	41.09	-112.30	-10.16	-61.05	-72.35
		409	544.39	22.22	-475.80	3.06	-456.65	95.78	41.30	-119.59	-4.65	-73.63	-72.68
		358	581.67	-14.59	-477.40	-35.34	-456.65	95.78	39.93	-136.95	-6.81	-90.21	-77.99
		284	494.17	43.98	-151.00	-35.34	-71.68	95.78	39.28	-129.22	-12.31	-77.63	-77.66
323	1	285	2028.52	94.11	-404.54	93.72	-404.15	-13.99	85.94	-600.00	77.86	-591.92	-73.99
		286	1283.15	94.61	-125.45	93.72	-124.55	-13.99	95.03	-386.06	38.41	-329.44	-155.03
		288	1583.72	-102.19	-133.31	-110.95	-124.55	-13.99	-28.79	-588.16	-32.91	-584.03	-47.84
		181	2502.77	-110.28	-404.81	-110.95	-404.15	-13.99	7.83	-847.80	6.54	-846.51	33.19
323	2	285	1081.88	204.81	-347.09	201.66	-343.94	41.55	55.48	-266.30	44.12	-254.94	-59.38
		286	712.33	206.74	-138.31	201.66	-133.23	41.55	91.98	-172.87	34.94	-115.83	-108.87
		288	687.54	-78.58	-164.82	-110.16	-133.23	41.55	8.31	-239.67	-3.42	-227.94	-52.63
		181	1180.61	-103.00	-351.11	-110.16	-343.94	41.55	5.79	-367.08	5.76	-367.05	-3.14
324	1	287	494.04	368.07	-33.19	144.48	190.39	199.31	9.38	-108.20	-77.94	-20.88	51.40
		248	1541.45	187.15	-786.62	144.48	-743.95	199.31	117.24	-284.45	112.65	-279.86	42.69
		132	1848.28	92.08	-791.47	44.57	-743.95	199.31	96.71	-460.52	87.67	-451.48	-70.37
		286	756.87	329.71	-94.75	44.57	190.39	199.31	-71.51	-223.92	-102.92	-192.51	-61.65
324	2	287	462.81	482.42	26.48	331.16	177.74	214.68	15.90	-48.17	-25.21	-7.06	-30.72
		248	930.80	373.49	-757.79	331.16	-715.46	214.68	44.03	-103.44	35.06	-94.47	-35.24
		132	1000.99	195.94	-766.03	145.38	-715.46	214.68	50.27	-186.02	24.85	-160.60	-73.21

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		286	627.98	376.84	-53.73	145.38	177.74	214.68	16.93	-125.54	-35.42	-73.19	-68.69
325	1	286	1037.37	84.94	-166.73	40.53	-122.32	95.95	-60.60	-385.10	-63.50	-382.19	-30.58
		132	1510.99	57.09	-515.16	40.53	-498.60	95.95	35.02	-424.96	29.36	-419.30	-50.71
		362	1904.02	-1.93	-517.13	-20.46	-498.60	95.95	7.24	-596.18	-1.01	-587.93	-70.07
		288	1441.72	37.23	-180.02	-20.46	-122.32	95.95	-88.48	-556.22	-93.87	-550.83	-49.93
325	2	286	502.42	204.31	-199.00	141.30	-135.99	146.43	-7.13	-169.23	-28.19	-148.17	-54.50
		132	774.01	174.59	-502.89	141.30	-469.61	146.43	35.68	-167.17	10.82	-142.31	-66.53
		362	829.78	-45.16	-520.12	-95.68	-469.61	146.43	17.51	-221.75	-2.38	-201.86	-66.05
		288	608.66	31.98	-263.65	-95.68	-135.99	146.43	-25.38	-223.74	-41.38	-207.73	-54.03
326	1	318	1194.54	16.53	-885.83	7.75	-877.04	-88.60	38.71	-284.31	-47.93	-197.67	143.11
		323	1065.17	84.18	-94.95	7.75	-18.52	-88.60	-30.25	-388.04	-119.99	-298.30	155.10
		373	1005.75	59.11	-119.64	-42.01	-18.52	-88.60	-65.38	-383.83	-117.92	-331.29	118.20
		197	1196.85	-32.71	-886.34	-42.01	-877.04	-88.60	2.52	-279.04	-45.86	-230.65	106.22
326	2	318	754.18	150.98	-925.03	130.30	-904.36	-147.71	58.52	-85.41	2.43	-29.32	70.20
		323	577.96	198.85	-187.97	130.30	-119.43	-147.71	6.24	-160.07	-52.69	-101.14	79.55
		373	496.79	40.34	-255.98	-96.22	-119.43	-147.71	-27.98	-167.24	-52.93	-142.30	53.40
		197	764.10	-70.07	-930.51	-96.22	-904.36	-147.71	22.96	-91.24	2.20	-70.48	44.04
327	1	372	2377.30	445.49	150.38	250.04	345.82	139.57	487.59	-465.24	-31.76	54.12	474.48
		260	2978.10	271.87	-642.28	250.04	-620.45	139.57	481.35	-587.08	363.88	-469.62	334.22
		285	2820.81	27.68	-650.50	-2.38	-620.45	139.57	274.69	-728.67	263.56	-717.54	105.10
		323	1334.63	394.86	-51.41	-2.38	345.82	139.57	84.34	-410.22	-132.08	-193.80	245.35
327	2	372	1285.31	734.74	234.99	662.95	306.78	175.28	234.29	-207.55	6.00	20.74	220.80
		260	1838.29	687.18	-605.21	662.95	-580.98	175.28	227.47	-253.94	189.19	-215.66	130.24
		285	1566.02	193.24	-620.66	153.56	-580.98	175.28	131.94	-327.45	130.40	-325.90	26.60
		323	744.40	421.45	38.88	153.56	306.78	175.28	47.43	-189.74	-52.80	-89.51	117.15
328	1	323	1384.79	36.06	-66.71	-11.41	-19.24	-51.24	237.31	-337.83	80.23	-180.75	256.26
		285	2113.67	-4.86	-412.44	-11.41	-405.89	-51.24	108.86	-648.88	66.18	-606.20	174.70
		181	2482.18	-27.93	-412.84	-34.87	-405.89	-51.24	-2.25	-834.72	-2.28	-834.69	4.72
		373	1197.72	24.77	-78.89	-34.87	-19.24	-51.24	28.77	-426.24	11.78	-409.24	86.28
328	2	323	692.71	143.04	-123.82	141.64	-122.42	19.28	121.70	-136.57	46.57	-61.44	117.30
		285	1090.18	142.39	-351.14	141.64	-350.38	19.28	53.93	-272.25	42.24	-260.56	60.63
		181	1154.10	-155.52	-352.29	-157.42	-350.38	19.28	2.53	-363.15	1.54	-362.16	-19.03
		373	516.67	-113.88	-165.96	-157.42	-122.42	19.28	13.87	-171.04	5.86	-163.03	37.64
329	1	83	1118.25	-93.97	-801.94	-187.14	-708.77	-239.34	-31.76	-243.98	-65.89	-209.85	-77.96
		84	1009.52	-89.90	-776.23	-187.14	-678.99	-239.34	-0.62	-195.96	-21.06	-175.52	-59.79
		87	1654.56	-158.66	-789.08	-268.75	-678.99	-239.34	-23.42	-477.14	-24.12	-476.44	-17.80
		305	1739.90	-163.67	-813.86	-268.75	-708.77	-239.34	-66.03	-513.68	-68.94	-510.77	-35.97
329	2	83	1220.65	566.90	-1142.99	-98.87	-477.22	833.75	51.28	-93.68	26.91	-69.31	-54.21
		84	1247.28	506.03	-1248.06	-98.87	-643.16	833.75	-7.74	-145.24	-41.82	-111.15	-59.37
		87	1488.84	504.88	-1248.67	-100.63	-643.16	833.75	-25.99	-327.36	-71.68	-281.66	-108.09
		305	1481.21	565.82	-1143.68	-100.63	-477.22	833.75	35.52	-278.29	-2.95	-239.82	-102.92
330	1	85	1315.56	28.10	-834.53	-47.52	-758.91	-243.96	347.11	-22.47	15.95	308.69	-112.79
		138	1451.41	20.33	-924.73	-47.52	-856.88	-243.96	420.94	86.55	128.03	379.46	-110.22
		475	802.15	-45.86	-930.26	-119.24	-856.88	-243.96	92.65	-19.52	85.66	-12.54	-27.10
		84	786.61	-36.82	-841.33	-119.24	-758.91	-243.96	-13.76	-95.96	-26.42	-83.30	-29.67
330	2	85	1443.50	68.00	-1518.75	-467.40	-983.36	750.26	139.95	-25.74	41.82	72.40	-81.42
		138	1338.71	170.05	-1350.44	-467.40	-712.98	750.26	83.38	-105.64	-63.38	41.13	-78.75
		475	1403.74	398.77	-1219.30	-107.54	-712.98	750.26	35.61	-176.00	-71.70	-68.70	-105.79
		84	1454.27	323.26	-1414.16	-107.54	-983.36	750.26	112.16	-116.08	33.50	-37.42	-108.47
331	1	84	1034.20	-31.35	-741.79	-96.27	-676.88	-204.71	22.41	-195.27	8.38	-181.24	-53.45
		475	966.33	-18.29	-633.64	-96.27	-555.66	-204.70	46.83	-181.09	21.88	-156.13	-71.16
		111	1479.62	-204.68	-675.05	-324.07	-555.66	-204.71	-41.74	-449.63	-45.15	-446.23	-37.11
		87	1589.49	-230.25	-770.70	-324.07	-676.88	-204.71	-57.74	-472.24	-58.65	-471.33	-19.40
331	2	84	1440.68	486.54	-1215.35	-91.95	-636.86	806.15	18.59	-208.44	-61.39	-128.46	-108.45
		475	1471.47	434.74	-1325.83	-91.95	-799.14	806.14	88.34	-146.33	12.10	-70.10	-109.90
		111	1318.51	498.33	-1300.01	-2.55	-799.14	806.14	-0.34	-216.36	-7.27	-209.44	-38.05
		87	1294.99	546.59	-1186.00	-2.55	-636.86	806.15	-73.85	-274.71	-80.76	-267.80	-36.60
332	1	26	428.37	95.69	-194.25	-67.96	-30.60	-143.76	52.02	28.66	51.74	28.94	2.55
		142	955.41	121.00	-193.96	-59.54	-13.42	-155.79	133.48	33.29	99.67	67.09	47.38
		468	1095.75	300.43	-90.75	223.11	-13.42	-155.79	195.79	112.30	155.84	152.24	41.71
		274	828.46	281.01	-96.93	214.69	-30.60	-143.76	115.39	106.61	107.91	114.09	-3.12
332	2	26	1009.19	315.67	-195.40	267.67	-147.40	149.09	157.58	106.10	118.75	144.93	-22.16
		142	1318.16	371.82	65.15	371.82	65.15	0.30	188.49	160.57	182.53	166.53	-11.44
		468	621.57	65.15	7.61	7.62	65.15	0.30	102.36	92.70	102.36	92.70	-0.02
		274	620.98	29.27	-273.21	-96.54	-147.40	149.09	74.33	35.35	38.58	71.11	-10.74
333	1	374	481.18	26.33	-89.83	19.22	-82.73	27.84	53.83	-15.37	-14.11	52.57	-9.26
		378	544.05	22.61	-124.79	6.48	-108.66	46.02	52.87	-26.34	-25.59	52.12	-7.68
		379	516.02	3.16	-127.59	-15.77	-108.66	46.02	55.25	-19.44	-18.60	54.41	-7.87
		375	457.21	5.73	-91.49	-3.03	-82.73	27.84	56.27	-8.53	-7.12	54.86	-9.45
333	2	374	469.07	110.85	-75.56	-72.25	107.53	24.64	56.16	-0.73	1.94	53.49	-12.03
		378	414.41	64.48	-148.75	-111.65	27.37	80.84	57.85	-5.61	-0.41	52.66	-17.40
		379	458.49	62.57	-158.28	-123.08	27.37	80.84	60.95	-6.49	-2.90	57.35	-15.15

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		375	509.19	110.66	-86.80	-83.68	107.53	24.64	59.77	-2.13	-0.55	58.18	-9.78
334	1	395	438.16	75.21	-147.17	-130.40	58.44	58.72	70.76	56.35	60.21	66.90	6.38
		382	572.10	111.00	-108.43	-105.84	108.42	23.68	83.36	22.24	35.20	70.40	24.98
		371	610.14	110.58	-150.61	-148.45	108.42	23.68	99.24	52.54	63.85	87.93	20.01
		397	624.99	72.49	-187.06	-173.01	58.44	58.72	89.26	84.03	88.86	84.43	1.40
334	2	395	731.21	243.08	-170.46	199.02	-126.40	-127.60	85.98	19.78	19.97	85.79	3.56
		382	765.78	234.68	-175.01	194.75	-135.09	-121.51	72.71	-3.66	-1.12	70.16	13.72
		371	729.87	226.11	-175.96	185.23	-135.09	-121.51	86.52	17.90	17.90	86.51	0.80
		397	728.63	234.60	-171.50	189.50	-126.40	-127.60	103.50	37.63	38.99	102.14	-9.36
335	1	397	644.67	58.74	-254.17	-183.57	-11.85	130.79	80.74	33.59	80.50	33.83	-3.36
		371	583.36	82.83	-185.55	-153.27	50.55	87.31	92.05	36.94	63.10	65.90	27.52
		384	774.44	84.66	-172.90	-138.79	50.55	87.31	139.49	64.10	112.89	90.71	36.03
		365	848.78	62.13	-243.07	-169.09	-11.85	130.79	130.65	58.28	130.28	58.64	5.15
335	2	397	610.38	218.60	-112.25	177.92	-71.56	-108.66	97.74	20.89	29.47	89.16	-24.20
		371	664.82	319.91	-79.04	221.88	18.98	-171.75	104.12	34.54	34.72	103.94	-3.53
		384	849.64	353.29	-69.26	265.05	18.98	-171.75	141.71	58.54	58.87	141.38	-5.21
		365	789.92	257.01	-107.49	221.08	-71.56	-108.66	134.86	45.36	53.61	126.61	-25.89
336	1	365	682.51	83.93	-425.61	-212.61	-129.07	251.32	27.22	-58.25	27.22	-58.25	-0.39
		384	1093.06	132.96	-142.62	-104.08	94.42	95.58	197.45	79.40	187.64	89.21	32.58
		277	1767.97	105.64	-719.90	-708.68	94.42	95.58	201.66	-55.15	120.77	25.75	119.29
		206	1649.30	-47.06	-899.22	-817.21	-129.07	251.32	14.90	-176.25	-39.65	-121.71	86.32
336	2	365	1705.41	1357.25	-312.91	505.68	538.66	-834.92	123.21	36.64	38.89	120.96	13.77
		384	1202.47	4.18	-543.09	-11.84	-527.07	-92.26	136.13	52.74	54.31	134.56	-11.33
		277	1329.44	428.15	-535.98	419.24	-527.07	-92.26	96.41	10.87	13.66	93.62	15.19
		206	2079.11	1596.03	-120.60	936.76	538.66	-834.92	96.53	-18.27	-1.76	80.02	40.28
337	1	375	450.13	16.88	-110.02	5.10	-98.24	36.83	50.22	-10.22	-9.35	49.35	-7.21
		379	571.19	11.40	-224.87	-34.23	-179.23	93.27	52.82	-16.65	-16.22	52.39	-5.43
		441	511.22	-2.03	-228.32	-51.12	-179.23	93.27	48.20	-10.27	-10.08	48.01	-3.34
		377	389.82	1.78	-111.80	-11.79	-98.24	36.83	45.51	-3.74	-3.20	44.98	-5.12
337	2	375	835.95	223.74	-92.12	-90.70	222.33	-21.11	88.02	-10.03	-7.75	85.74	-14.78
		379	791.57	260.30	-80.69	-75.02	254.63	-43.62	89.99	12.33	20.57	81.76	-23.92
		441	936.21	264.02	52.08	61.48	254.63	-43.62	111.27	-10.20	-5.21	106.27	-24.12
		377	989.72	224.82	43.30	45.79	222.33	-21.11	111.80	-35.07	-33.52	110.25	-14.98
338	1	382	455.19	82.59	-74.71	74.54	-66.66	-34.66	57.66	-2.34	-1.48	56.81	-7.13
		374	520.79	44.86	-128.25	44.46	-127.86	8.25	56.20	-8.84	-8.18	55.54	-6.52
		375	480.62	35.13	-128.27	34.71	-127.86	8.25	52.34	-5.92	-5.05	51.46	-7.09
		371	413.68	73.37	-75.23	64.80	-66.66	-34.66	53.86	0.51	1.65	52.72	-7.70
338	2	382	854.88	347.53	-219.04	-209.33	337.82	73.55	59.78	-8.87	-8.29	59.20	-6.26
		374	779.96	312.89	-251.96	-231.59	292.53	105.31	61.94	5.16	6.24	60.86	-7.74
		375	802.69	314.95	-201.89	-179.46	292.53	105.31	66.18	-1.99	-1.24	65.44	-7.08
		371	876.80	348.51	-167.90	-157.20	337.82	73.55	64.17	-16.16	-15.77	63.78	-5.60
339	1	371	426.98	61.05	-119.96	49.21	-108.12	44.76	53.13	12.14	12.29	52.98	-2.49
		375	495.58	60.35	-125.42	47.19	-112.27	47.65	48.86	-13.20	-12.83	48.48	-4.83
		377	436.62	120.54	-122.02	110.79	-112.27	47.65	40.09	-0.66	-0.14	39.58	-4.54
		384	369.40	121.53	-116.84	112.81	-108.12	44.76	44.33	24.72	24.97	44.08	-2.20
339	2	371	959.17	336.42	-177.83	-156.66	315.24	-102.18	88.32	1.62	3.07	86.88	-11.11
		375	968.50	258.87	-195.11	-187.65	251.41	-57.70	94.70	-7.60	-7.14	94.24	-6.88
		377	1239.19	257.19	-325.37	-319.59	251.41	-57.70	138.54	9.95	9.99	138.49	-2.41
		384	1219.63	332.06	-305.42	-288.60	315.24	-102.18	131.53	19.81	20.20	131.13	-6.65
340	1	384	422.94	140.10	-297.37	136.83	-294.09	37.69	27.17	17.02	26.39	17.80	-2.70
		377	779.77	85.74	-625.77	11.71	-551.74	217.23	25.15	-4.60	-3.46	24.00	5.73
		209	1084.44	478.28	-597.55	432.46	-551.74	217.23	25.18	-4.65	22.57	-2.03	8.44
		277	1087.36	559.24	-295.76	557.58	-294.09	37.69	52.41	-8.24	52.41	-8.24	0.01
340	2	384	1817.75	1032.16	-616.50	-422.62	838.29	531.08	127.13	50.28	52.72	124.68	-13.50
		377	3159.46	1867.94	52.19	69.15	1850.99	-174.62	241.84	45.03	45.04	241.83	1.13
		209	3759.71	1864.52	-402.93	-389.41	1850.99	-174.62	349.59	52.62	84.08	318.13	91.39
		277	2813.11	989.09	-1031.98	-881.17	838.29	531.08	240.57	52.17	91.77	200.98	76.76
341	1	101	343.75	118.36	-163.37	-155.52	110.52	46.34	22.72	-8.05	-3.34	18.00	-11.08
		441	343.75	118.36	-163.37	-155.52	110.52	46.34	22.72	-8.05	-3.34	18.00	-11.08
		278	343.75	118.36	-163.37	-155.52	110.52	46.34	22.72	-8.05	-3.34	18.00	-11.08
341	2	101	1744.59	181.34	-49.83	163.36	-31.85	-61.91	291.44	14.15	71.00	234.59	-111.95
		441	1744.59	181.34	-49.83	163.36	-31.85	-61.91	291.44	14.15	71.00	234.59	-111.95
		278	1744.59	181.34	-49.83	163.36	-31.85	-61.91	291.44	14.15	71.00	234.59	-111.95
342	1	377	576.14	254.80	-378.17	-80.69	-42.68	315.91	24.94	-1.88	-1.88	24.93	-0.36
		441	455.70	181.19	-148.47	73.45	-40.73	154.63	22.00	-19.23	-17.90	20.66	-7.29
		101	374.79	206.09	-155.14	-98.08	149.03	131.75	1.85	-13.75	-13.74	1.84	0.27
		209	707.91	75.26	-605.47	-297.76	-232.45	338.79	11.64	-3.26	2.28	6.11	7.20
342	2	377	2051.96	904.05	-598.84	248.50	56.70	-745.30	227.96	-38.97	-37.49	226.49	-19.78
		441	1781.70	232.68	-311.89	-218.07	138.86	-205.64	255.44	19.65	20.13	254.95	-10.71
		101	2312.15	14.94	-592.40	-40.70	-536.76	-175.21	289.08	-9.03	-8.64	288.69	10.79
		209	2572.57	1439.25	-118.91	588.02	732.32	-775.73	260.23	-66.28	-66.27	260.22	1.72
343	1	442	741.13	152.99	16.01	29.21	139.79	-40.42	90.84	-17.73	-15.93	89.04	-13.87

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		443	831.47	73.68	-4.05	-3.54	73.16	6.29	91.44	-53.27	-53.21	91.38	-2.95
		366	806.95	73.52	-38.10	-37.74	73.16	6.29	120.79	3.02	3.25	120.57	-5.11
		447	794.66	150.31	-15.51	-4.99	139.79	-40.42	121.40	37.35	40.53	118.23	-16.02
343	2	442	770.10	-28.01	-283.01	-61.37	-249.64	85.99	66.14	-40.75	-40.75	66.14	-0.32
		443	810.07	-23.05	-221.94	-39.61	-205.38	54.96	68.98	-56.07	-55.94	68.85	3.95
		366	1052.62	64.01	-216.59	52.80	-205.38	54.96	119.73	-28.55	-28.35	119.53	5.40
		447	1019.34	55.29	-273.89	31.04	-249.64	85.99	116.83	-13.16	-13.15	116.82	1.13
344	1	447	492.54	15.29	-63.77	-44.96	-3.53	33.67	83.26	16.21	26.73	72.74	-24.39
		366	448.95	52.84	-17.90	-17.47	52.40	-5.54	65.87	2.45	2.46	65.86	0.73
		395	485.38	52.70	-52.93	-52.64	52.40	-5.54	81.63	30.44	34.47	77.60	-13.79
		448	664.01	9.17	-92.83	-80.13	-3.53	33.67	112.59	30.63	58.74	84.47	-38.91
344	2	447	699.35	80.07	-65.82	69.42	-55.17	-37.96	99.66	-4.07	-3.49	99.08	-7.73
		366	701.45	52.42	-92.89	51.39	-91.86	-12.23	82.48	-22.77	-22.46	82.16	5.71
		395	690.55	28.59	-93.10	27.35	-91.86	-12.23	96.34	-3.34	-2.38	95.38	-9.73
		448	724.90	58.10	-67.89	45.38	-55.17	-37.96	117.61	11.28	16.59	112.30	-23.18
345	1	882	157.71	56.81	5.93	30.58	32.16	-25.43	25.84	6.68	18.28	14.24	9.37
		536	92.41	8.74	-34.14	1.60	-26.99	15.98	10.27	-0.66	9.98	-0.36	1.77
		275	341.26	-8.21	-40.58	-21.80	-26.99	15.98	26.39	-33.89	-8.08	0.58	-29.83
		29	299.76	48.00	-8.66	7.18	32.16	-25.43	31.15	-15.75	0.22	15.18	-22.23
345	2	882	468.36	202.04	13.60	99.47	116.17	-93.85	57.98	-1.98	43.10	12.90	25.90
		536	311.39	26.11	-46.40	21.88	-42.17	16.99	22.10	-25.96	21.55	-25.41	5.09
		275	821.90	-33.73	-76.34	-67.89	-42.17	16.99	43.07	-107.17	-32.17	-31.92	-75.12
		29	750.75	170.83	-44.97	9.70	116.17	-93.85	52.86	-57.09	-10.63	6.40	-54.31
346	1	535	422.94	77.20	-34.61	-12.58	55.17	-44.47	59.95	-0.22	40.81	18.93	-28.03
		537	442.72	-23.68	-64.91	-55.72	-32.86	17.15	68.66	9.14	52.55	25.25	-26.45
		276	305.55	90.32	-35.25	87.93	-32.86	17.15	23.57	-18.58	20.30	-15.31	-11.27
		144	311.16	151.58	34.66	131.07	55.17	-44.47	13.29	-26.37	8.56	-21.63	-12.86
346	2	535	1124.41	567.99	21.15	248.93	340.21	-269.58	100.18	1.29	68.76	32.71	-46.04
		537	852.83	32.42	-334.64	-44.20	-258.01	149.17	112.03	17.81	93.09	36.74	-37.75
		276	988.72	-38.42	-359.35	-139.76	-258.01	149.17	102.74	-21.81	57.24	23.69	-59.97
		144	1247.39	532.10	-38.52	153.37	340.21	-269.58	94.86	-42.30	32.91	19.66	-68.26
347	1	533	380.12	35.25	-77.14	14.49	-56.38	43.62	55.59	6.90	53.75	8.73	9.27
		882	84.01	78.05	24.82	62.09	40.77	-24.39	-1.59	-8.44	-4.33	-5.70	-3.36
		29	370.98	46.39	-64.94	-59.32	40.77	-24.39	60.61	45.86	60.42	46.05	1.68
		142	712.19	-31.24	-132.06	-106.92	-56.38	43.62	121.84	57.15	118.50	60.48	14.31
347	2	533	777.93	-27.69	-255.47	-164.53	-118.63	111.56	100.77	-20.51	100.40	-20.14	6.68
		882	339.50	170.02	-61.24	-35.64	144.41	-72.57	-18.08	-46.95	-25.37	-39.67	-12.54
		29	897.78	237.88	88.06	181.53	144.41	-72.57	141.49	85.10	139.86	86.73	9.43
		142	1538.44	107.64	-173.63	52.64	-118.63	111.56	270.63	101.26	265.64	106.26	28.65
348	1	536	76.15	-0.74	-37.39	-13.88	-24.25	17.58	9.45	-2.43	9.40	-2.38	-0.75
		534	71.24	20.55	-0.84	5.14	14.57	-9.60	3.89	-8.70	3.08	-7.89	-3.09
		143	187.68	23.10	3.77	12.30	14.57	-9.60	24.48	-5.97	11.10	7.40	-15.11
		275	195.00	4.15	-35.13	-6.72	-24.25	17.58	28.14	2.20	17.42	12.91	-12.77
348	2	536	322.42	5.10	-49.55	-4.03	-40.42	20.39	29.30	-25.73	29.17	-25.61	2.58
		534	337.56	5.07	-50.49	-4.34	-41.07	20.84	14.38	-42.06	13.89	-41.58	-5.20
		143	469.97	-8.90	-54.57	-22.41	-41.07	20.84	44.24	-40.69	19.89	-16.33	-38.41
		275	414.66	-8.90	-53.61	-22.09	-40.42	20.39	52.81	-18.01	35.17	-0.36	-30.63
349	1	537	496.93	-29.93	-105.43	-99.79	-35.58	19.86	74.92	19.33	66.06	28.18	-20.34
		883	699.62	81.41	-69.68	-51.41	63.15	-49.25	120.38	40.11	120.00	40.49	-5.51
		26	551.74	231.47	48.74	217.06	63.15	-49.25	33.15	-41.47	18.82	-27.14	-29.39
		276	593.28	170.60	-37.49	168.69	-35.58	19.86	6.99	-81.55	-35.11	-39.46	-44.22
349	2	537	935.41	-36.04	-376.03	-177.32	-234.75	167.56	120.61	23.91	111.83	32.69	-27.79
		883	1120.91	184.07	-42.91	4.61	136.54	-92.35	195.30	42.66	195.28	42.68	-1.91
		26	1171.93	274.53	74.74	212.72	136.54	-92.35	115.78	-68.01	56.77	-9.00	-85.81
		276	1476.15	111.80	-315.76	30.79	-234.75	167.56	88.91	-134.58	-26.68	-18.99	-111.68
350	1	883	599.48	148.88	18.29	106.60	60.58	-61.11	74.54	-11.94	70.90	-8.30	-17.37
		533	500.48	48.98	-87.09	39.09	-77.20	35.33	77.53	17.41	77.11	17.82	4.98
		142	801.90	-49.99	-123.07	-95.86	-77.20	35.33	140.92	55.75	135.27	61.40	21.20
		26	744.77	91.69	-59.46	-28.35	60.58	-61.11	129.07	35.26	129.06	35.28	-1.15
350	2	883	997.66	154.19	-102.68	-63.47	114.98	-92.38	138.79	-14.10	137.43	-12.74	-14.38
		533	979.89	-77.67	-287.47	-200.49	-164.65	103.36	134.04	-14.22	134.01	-14.19	2.12
		142	1321.08	277.36	-188.81	253.19	-164.65	103.36	195.68	51.56	190.53	56.71	-26.74
		26	1510.08	418.34	86.85	390.21	114.98	-92.38	206.55	45.55	193.95	58.15	-43.25
351	1	269	2181.52	1.20	-162.55	-79.55	-81.80	81.87	305.84	-55.16	147.91	102.77	-179.08
		425	2317.90	1.80	-144.27	-73.34	-69.13	73.00	312.88	-84.49	106.09	122.31	-198.52
		541	933.42	9.33	-137.05	-58.59	-69.13	73.00	145.10	9.09	135.91	18.28	-34.15
		545	1134.81	9.01	-155.61	-64.80	-81.80	81.87	178.93	-2.45	177.73	-1.25	-14.71
351	2	269	1768.04	-43.37	-364.31	-183.42	-224.25	159.17	215.99	-42.25	102.82	70.91	-128.13
		425	1833.18	315.75	-50.73	37.80	227.22	-156.86	223.01	-52.98	81.74	88.29	-137.96
		541	807.64	342.91	14.52	130.21	227.22	-156.86	103.29	7.49	96.91	13.87	-23.89
		545	833.80	14.92	-330.18	-91.01	-224.25	159.17	119.60	-5.11	118.00	-3.51	-14.06
352	1	322	969.10	-29.49	-207.63	-89.04	-148.09	84.03	79.74	-85.28	39.39	-44.93	-70.92

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		428	795.78	63.62	-29.51	0.16	33.95	-43.39	96.29	-44.23	67.39	-15.33	-56.80
		542	635.57	89.02	-0.24	54.83	33.95	-43.39	55.96	-63.34	55.67	-63.05	5.87
		540	780.55	10.23	-192.69	-34.37	-148.09	84.03	28.24	-93.22	27.68	-92.66	-8.26
352	2	322	604.14	-11.16	-100.65	-41.56	-70.25	42.39	56.69	-47.56	28.28	-19.15	-46.42
		428	578.65	129.86	-11.18	34.24	84.45	-65.90	68.45	-19.99	48.05	0.40	-37.25
		542	430.59	137.33	2.33	55.22	84.45	-65.90	34.95	-36.52	34.72	-36.29	4.04
		540	444.40	3.71	-94.54	-20.58	-70.25	42.39	15.31	-56.22	14.94	-55.85	-5.13
353	1	320	2178.38	571.93	73.51	571.91	73.54	3.52	277.31	-49.49	189.85	37.97	-144.68
		269	2103.58	518.19	-96.38	498.36	-76.55	108.59	324.07	17.31	231.24	110.14	-140.92
		545	1526.07	-46.79	-472.75	-442.99	-76.55	108.59	172.63	-21.16	172.28	-20.81	-8.19
		538	1574.33	73.57	-369.48	-369.45	73.54	3.52	131.53	-93.62	130.89	-92.99	-11.95
353	2	320	1585.17	453.39	166.60	364.93	255.05	-132.45	197.68	-9.04	144.71	43.93	-90.25
		269	1531.69	223.89	-276.75	143.66	-196.52	183.65	237.36	30.82	181.55	86.63	-91.72
		545	1082.55	-74.75	-473.48	-351.71	-196.52	183.65	114.46	-20.05	113.67	-19.26	-10.27
		538	1064.17	296.17	-171.56	-130.44	255.05	-132.45	77.39	-62.52	76.83	-61.96	-8.80
354	1	425	2138.70	-39.51	-165.87	-114.77	-90.60	62.01	323.20	-18.32	145.74	159.13	-170.63
		321	2266.45	76.15	-57.07	-40.96	60.04	-43.44	335.98	-50.05	116.11	169.82	-191.14
		539	941.70	110.31	22.51	72.78	60.04	-43.44	140.41	-0.48	94.98	44.95	-65.85
		541	872.57	30.67	-122.31	-1.04	-90.60	62.01	143.44	15.43	124.61	34.26	-45.34
354	2	425	1749.12	351.31	51.77	158.82	244.26	-143.55	230.09	-16.20	102.08	111.82	-123.05
		321	2028.02	52.20	-451.12	-104.93	-294.00	233.23	239.63	-36.28	82.54	120.81	-136.62
		539	1052.02	-25.67	-496.72	-228.39	-294.00	233.23	99.26	0.53	68.27	31.51	-45.81
		541	766.44	317.34	-37.73	35.35	244.26	-143.55	101.05	9.28	87.81	22.51	-32.24
355	1	428	1376.57	61.81	-44.19	-17.96	35.57	-45.75	78.38	-167.47	-30.77	-58.32	-122.15
		266	1016.85	27.87	-44.60	-29.25	12.52	-29.61	93.88	-91.98	3.18	-1.28	-92.90
		546	558.18	54.40	-8.42	33.46	12.52	-29.61	76.34	-24.10	65.49	-13.26	31.17
		542	553.11	86.14	-5.81	44.76	35.57	-45.75	31.58	-70.33	31.54	-70.29	1.92
355	2	428	879.94	150.02	22.93	87.26	85.68	-63.54	59.83	-88.41	-6.55	-22.03	-73.72
		266	802.27	29.21	-206.24	-27.83	-149.20	100.88	70.01	-46.70	12.90	10.41	-58.34
		546	453.48	-20.24	-228.12	-99.16	-149.20	100.88	44.86	-13.40	39.92	-8.46	16.22
		542	413.00	123.29	-21.67	15.94	85.68	-63.54	20.49	-40.91	20.48	-40.89	0.85
356	1	266	1483.12	69.13	-574.68	-572.89	67.33	-33.96	187.12	94.54	182.27	99.40	-20.64
		320	2393.75	89.73	-567.00	-563.58	86.32	-47.25	350.56	133.88	350.37	134.08	6.51
		538	1263.06	282.05	74.91	270.64	86.32	-47.25	131.11	-69.50	130.83	-69.22	-7.50
		546	712.04	267.11	61.56	261.34	67.33	-33.96	-22.53	-118.64	-37.27	-103.90	-34.64
356	2	266	1379.64	-132.94	-878.42	-873.10	-138.26	62.72	116.92	54.58	107.75	63.75	-22.08
		320	1841.70	267.09	-732.67	-693.62	228.04	-193.69	209.74	90.97	209.72	90.99	-1.66
		538	1137.07	638.02	136.54	546.51	228.04	-193.69	87.28	-39.49	87.17	-39.38	-3.74
		546	732.70	374.69	-145.93	367.02	-138.26	62.72	-5.27	-76.14	-14.80	-66.62	-24.17
357	1	564	819.65	-3.59	-219.28	-194.66	-28.21	68.59	68.22	-217.90	-215.25	65.56	27.42
		380	377.32	-58.65	-257.93	-227.46	-89.12	71.71	49.03	-94.32	-68.73	23.44	-54.89
		81	746.37	261.48	-100.23	246.55	-85.30	71.96	-49.46	-241.98	-173.63	-117.82	-92.13
		550	927.98	231.85	-49.73	214.15	-32.03	68.34	-75.30	-320.54	-320.15	-75.70	-9.82
357	2	564	359.77	-1.84	-106.90	-84.87	-23.87	42.77	56.02	-79.53	-79.48	55.97	2.55
		380	642.32	-27.31	-126.74	-99.17	-54.88	44.52	-11.04	-233.61	-224.00	-20.66	-45.24
		81	874.45	118.77	-64.75	107.25	-53.24	44.51	-12.79	-296.80	-268.26	-41.33	-85.40
		550	509.33	106.97	-39.33	93.16	-25.52	42.78	43.74	-132.18	-123.74	35.30	-37.60
358	1	590	92.40	76.80	40.80	73.26	44.34	-10.72	8.59	-20.08	-17.09	5.61	-8.76
		564	257.88	64.03	-46.49	60.73	-43.19	-18.80	16.36	-82.38	-18.82	-47.20	47.29
		550	230.69	-36.94	-96.79	-91.64	-42.09	-16.79	75.20	59.55	64.17	70.58	7.14
		576	398.90	44.33	-104.41	-103.31	43.24	-12.72	151.37	37.91	65.90	123.38	-48.91
358	2	590	98.12	54.96	30.36	47.82	37.50	-11.17	16.95	-18.93	-4.61	2.63	-17.57
		564	152.90	44.64	-35.26	40.51	-31.13	-17.68	42.22	1.59	39.92	3.89	-9.40
		550	311.66	-20.97	-57.05	-47.44	-30.58	-15.95	127.84	65.81	68.18	125.48	-11.88
		576	359.60	38.74	-55.87	-54.08	36.95	-12.90	128.06	19.80	23.65	124.21	-20.05
359	1	550	1299.06	307.21	-215.10	239.44	-147.33	175.51	49.13	-351.27	-314.41	12.27	-115.75
		81	786.69	301.10	-197.27	230.02	-126.19	174.27	68.31	-159.54	-159.07	67.84	-10.35
		452	695.93	155.97	-233.06	48.01	-125.10	174.20	213.14	-20.30	-18.04	210.89	22.83
		566	1045.49	143.90	-253.89	38.44	-148.42	175.58	174.89	-192.97	-173.39	155.32	-82.57
359	2	550	780.73	150.15	-70.61	108.30	-28.76	86.53	43.43	-220.07	-180.20	3.55	-94.43
		81	846.49	140.39	-110.14	104.47	-74.22	87.80	79.25	-216.96	-199.12	61.40	-70.49
		452	647.93	84.76	-123.81	34.54	-73.60	89.17	78.59	-165.20	-164.93	78.32	-8.07
		566	514.47	91.18	-89.53	31.03	-29.38	85.16	26.42	-151.96	-146.01	20.47	-32.02
360	1	576	523.21	-7.75	-217.64	-134.22	-91.17	102.72	196.12	68.07	68.16	196.03	-3.32
		550	837.53	-72.84	-278.61	-148.91	-202.54	99.33	276.04	54.69	102.61	228.12	-91.16
		566	622.48	173.26	-224.44	149.08	-200.26	95.02	97.18	-75.57	-47.79	69.40	-63.46
		592	415.06	177.71	-135.69	135.48	-93.45	107.02	42.09	-87.03	-82.25	37.31	24.38
360	2	576	259.61	2.87	-90.39	-64.89	-22.63	41.56	106.16	46.24	46.57	105.83	4.44
		550	391.53	-21.31	-104.68	-71.69	-54.31	40.77	137.66	25.96	49.35	114.27	-45.45
		566	272.21	80.07	-64.97	68.44	-53.34	39.40	12.66	-69.81	-40.27	-16.88	-39.54
		592	137.72	79.78	-41.43	61.95	-23.60	42.94	-20.56	-47.81	-43.05	-25.32	10.35
361	1	566	910.67	70.27	-197.22	57.32	-184.28	57.41	121.50	-210.77	-210.69	121.42	5.25

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		452	626.63	59.92	-212.88	46.90	-199.86	58.15	162.82	-21.78	-20.63	161.67	-14.54
		82	452.42	275.62	-205.81	268.45	-198.64	58.33	-41.41	-100.24	-98.78	-42.87	9.15
		551	899.92	265.40	-192.77	258.14	-185.50	57.23	-79.13	-292.84	-288.85	-83.12	28.94
361	2	566	472.22	39.59	-84.66	35.30	-80.37	22.69	36.27	-135.32	-133.24	34.20	18.77
		452	616.70	35.68	-111.96	31.33	-107.61	24.96	31.42	-188.07	-187.98	31.33	-4.48
		82	707.13	116.67	-109.90	114.01	-107.24	24.41	-13.12	-229.50	-229.48	-13.14	2.02
		551	560.41	113.05	-83.53	110.26	-80.74	23.24	-6.48	-178.53	-174.74	-10.28	25.27
362	1	592	427.81	116.24	-308.32	113.38	-305.46	-34.74	30.92	-48.34	-48.30	30.88	-1.78
		566	458.20	105.95	-207.47	104.29	-205.81	-22.75	54.28	-80.30	-53.90	27.88	53.44
		551	359.66	-76.11	-209.65	-81.78	-203.99	-26.91	99.74	-18.90	54.85	25.99	57.54
		577	261.68	-87.81	-311.54	-92.07	-307.28	-30.58	60.63	28.82	60.45	28.99	2.32
362	2	592	153.80	59.39	-68.15	56.56	-65.32	-18.79	-32.91	-52.60	-41.95	-43.56	-9.81
		566	159.81	54.60	-92.54	51.51	-89.45	-21.10	-6.54	-50.60	-27.21	-29.93	21.99
		551	306.66	-35.76	-96.96	-43.75	-88.98	-20.62	101.77	13.33	47.02	68.09	42.95
		577	181.16	-36.03	-78.28	-48.51	-65.79	-19.28	59.09	27.65	32.28	54.45	11.14
363	1	551	1124.44	280.50	-306.94	264.87	-291.32	94.53	-52.71	-340.93	-319.39	-74.24	-75.78
		82	474.01	270.91	-216.40	253.46	-198.94	90.56	2.68	-129.13	-94.01	-32.44	58.27
		457	642.27	75.98	-226.50	47.35	-197.87	88.54	236.95	59.78	88.86	207.88	65.62
		567	993.44	61.51	-318.73	35.17	-292.39	96.54	180.83	-151.29	-136.53	166.07	-68.44
363	2	551	684.94	137.92	-86.45	122.63	-71.16	56.54	-47.54	-234.36	-220.36	-61.55	-49.20
		82	612.31	130.92	-124.50	117.19	-110.76	57.61	-11.97	-192.54	-192.10	-12.41	8.88
		457	562.00	47.78	-132.03	25.69	-109.94	59.02	103.51	-120.40	-106.89	90.00	53.31
		567	480.27	46.27	-97.68	20.56	-71.97	55.13	40.99	-135.29	-135.16	40.86	-4.77
364	1	577	500.15	-89.71	-375.06	-96.08	-368.70	42.15	126.95	66.63	69.88	123.70	13.62
		551	678.36	-99.66	-341.71	-108.16	-333.22	44.55	204.35	45.07	90.48	158.93	-71.91
		567	554.18	135.06	-336.22	130.73	-331.89	44.99	62.91	-64.18	-50.89	49.62	-38.89
		593	508.58	121.75	-373.56	118.21	-370.02	41.71	34.84	-91.95	-71.50	14.39	46.64
364	2	577	217.96	-42.81	-111.84	-53.92	-100.73	25.37	79.65	17.01	44.89	51.77	31.13
		551	240.18	-45.58	-106.87	-60.33	-92.12	26.20	77.09	34.74	43.74	68.09	-17.32
		567	145.49	69.39	-95.59	65.16	-91.36	26.09	-29.67	-39.89	-39.75	-29.81	-1.19
		593	299.39	62.59	-105.44	58.63	-101.49	25.48	5.05	-89.78	-38.60	-46.13	47.27
365	1	567	974.06	77.84	-272.92	75.01	-270.09	-31.37	135.82	-198.26	-194.16	131.72	36.78
		457	527.04	71.62	-191.93	65.19	-185.50	-40.66	176.59	94.72	95.92	175.39	9.82
		93	413.32	270.84	-186.89	267.77	-183.82	-37.36	0.42	-77.92	-8.62	-68.88	25.03
		552	956.25	259.38	-274.03	257.12	-271.77	-34.67	-99.02	-312.24	-298.70	-112.56	51.99
365	2	567	602.67	34.11	-100.83	33.86	-100.58	-5.81	68.44	-159.13	-139.10	48.41	64.47
		457	517.25	28.92	-89.75	28.46	-89.29	-7.34	56.74	-136.26	-124.53	45.01	46.11
		93	580.27	137.03	-88.75	136.84	-88.56	-6.64	-8.37	-179.54	-168.29	-19.61	42.41
		552	654.57	131.50	-101.50	131.32	-101.32	-6.51	3.59	-202.66	-182.86	-16.21	60.76
366	1	593	533.73	106.48	-457.59	93.70	-444.80	-83.96	36.62	-53.48	-43.81	26.95	27.88
		567	578.54	95.11	-281.33	84.64	-270.87	-61.88	78.78	-100.28	-42.44	20.93	83.74
		552	510.18	-71.70	-292.69	-96.09	-268.30	-69.24	119.90	-63.50	66.83	-10.43	83.16
		578	374.14	-91.13	-463.84	-107.60	-447.37	-76.59	74.86	-13.82	65.45	-4.41	27.31
366	2	593	217.38	58.83	-114.75	52.31	-108.23	-33.01	-12.25	-74.53	-39.01	-47.77	30.83
		567	351.33	53.37	-110.55	46.87	-104.04	-32.01	40.16	-94.18	-17.93	-36.08	66.56
		552	476.92	-35.28	-118.93	-50.89	-103.31	-32.60	143.78	-26.20	65.17	52.41	84.75
		578	313.75	-40.95	-124.41	-56.40	-108.96	-32.42	91.47	-6.65	44.10	40.72	49.03
367	1	552	1039.37	272.63	-311.08	270.12	-308.57	38.18	-94.75	-333.14	-321.37	-106.52	-51.66
		93	535.24	259.02	-119.66	256.63	-117.26	30.00	47.89	-130.98	-23.55	-59.54	87.61
		461	660.73	29.74	-120.60	25.50	-116.37	24.88	270.78	85.10	158.84	197.04	90.85
		568	902.17	15.93	-315.23	10.17	-309.47	43.29	157.94	-146.87	-138.98	150.05	-48.42
367	2	552	655.49	154.26	-74.41	147.62	-67.77	38.39	-75.54	-231.05	-229.70	-76.89	-14.43
		93	494.82	147.34	-53.09	140.23	-45.97	37.08	-6.61	-163.54	-140.73	-29.42	55.31
		461	537.41	37.18	-61.62	20.71	-45.15	36.83	137.77	-87.76	-43.90	93.91	89.26
		568	473.50	28.48	-83.98	13.10	-68.60	38.65	48.54	-134.97	-132.87	46.44	19.52
368	1	578	475.29	-98.23	-417.29	-99.32	-416.20	18.64	121.75	52.40	81.25	92.91	34.18
		552	575.89	-109.87	-344.37	-112.17	-342.07	23.11	173.15	54.36	99.86	127.64	-57.75
		568	481.10	129.67	-342.24	128.35	-340.92	24.93	38.67	-56.90	-48.77	30.54	-26.66
		594	533.65	114.97	-417.89	114.44	-417.36	16.82	36.73	-108.30	-67.39	-4.19	65.27
368	2	578	351.87	-51.73	-129.84	-57.78	-123.80	20.87	120.88	-14.10	61.88	44.90	66.96
		552	210.94	-51.19	-103.19	-65.22	-89.16	23.08	69.72	49.22	61.95	56.99	9.95
		568	185.43	76.43	-91.88	72.99	-88.44	23.83	-16.24	-54.95	-33.21	-37.98	19.20
		594	424.20	67.16	-126.63	65.05	-124.52	20.12	35.00	-118.35	-33.27	-50.08	76.21
369	1	568	940.63	69.55	-255.10	59.85	-245.40	-55.27	131.79	-194.25	-184.64	122.18	55.14
		461	490.72	77.87	-128.80	48.54	-99.47	-72.11	181.11	131.71	146.70	166.12	22.71
		96	502.99	284.19	-108.72	272.64	-97.17	-66.37	33.35	-106.10	24.61	-97.36	33.80
		553	979.24	266.91	-254.94	259.68	-247.71	-61.02	-118.06	-329.99	-306.74	-141.31	66.23
369	2	568	675.61	35.79	-83.43	33.24	-80.88	-17.25	94.21	-169.46	-130.65	55.40	93.42
		461	468.04	35.42	-37.71	26.97	-29.26	-23.38	77.86	-106.08	-75.34	47.13	68.62
		96	507.87	150.92	-30.67	148.41	-28.16	-21.19	-15.27	-161.07	-136.48	-39.85	54.59
		553	708.07	143.23	-83.66	141.56	-81.98	-19.43	1.09	-224.46	-191.79	-31.58	79.39
370	1	594	543.78	107.63	-464.87	89.87	-447.11	-99.25	40.01	-65.87	-37.28	11.42	47.01

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		568	617.57	95.12	-252.23	80.12	-237.23	-70.61	86.31	-122.75	-36.25	-0.18	102.96
		553	588.87	-67.64	-272.56	-106.25	-233.95	-80.13	126.15	-98.60	73.40	-45.85	95.26
		579	465.48	-96.67	-473.15	-119.44	-450.39	-89.73	85.30	-47.17	72.38	-34.25	39.30
370	2	594	338.65	66.36	-126.75	56.17	-116.56	-43.17	20.13	-100.04	-29.65	-50.26	59.20
		568	489.60	59.93	-90.56	49.76	-80.39	-37.78	70.53	-124.49	-8.19	-45.78	95.68
		553	569.00	-29.17	-110.90	-60.85	-79.21	-39.82	160.54	-53.08	76.67	30.79	104.32
		579	400.87	-44.70	-140.90	-67.86	-117.74	-41.13	110.11	-28.60	55.21	26.30	67.83
371	1	553	1010.89	276.45	-271.79	273.96	-269.31	36.84	-133.34	-341.16	-330.96	-143.54	-44.89
		96	658.21	261.85	-44.13	259.53	-41.82	26.52	71.32	-163.04	1.63	-93.35	107.12
		465	740.20	32.87	-46.39	27.53	-41.05	19.87	305.83	89.43	197.92	197.33	108.20
		569	857.42	17.16	-276.66	10.58	-270.07	43.49	153.80	-141.32	-134.67	147.15	-43.81
371	2	553	667.78	166.64	-51.10	158.61	-43.07	41.05	-101.71	-242.39	-242.28	-101.82	-3.90
		96	474.28	159.65	-7.34	150.19	2.13	38.62	0.73	-166.74	-113.56	-52.46	77.96
		465	607.22	51.76	-26.04	22.75	2.97	37.62	171.27	-69.08	-2.13	104.31	107.75
		569	476.63	35.95	-66.04	13.82	-43.92	42.04	58.48	-134.39	-130.85	54.94	25.88
372	1	579	447.23	-105.62	-394.43	-106.84	-393.21	18.76	129.95	36.43	93.85	72.53	45.53
		553	520.09	-118.75	-308.64	-121.97	-305.43	24.49	160.85	51.48	106.89	105.44	-54.68
		569	448.12	144.50	-305.76	142.90	-304.16	26.79	26.70	-61.82	-52.67	17.55	-26.95
		595	525.58	126.85	-395.00	126.33	-394.48	16.46	36.94	-118.01	-65.71	-15.36	73.27
372	2	579	449.16	-57.15	-125.85	-66.50	-116.50	23.55	146.73	-28.73	78.66	39.34	85.49
		553	226.92	-44.82	-99.00	-75.85	-67.96	26.80	83.38	38.64	74.53	47.48	17.82
		569	196.16	92.05	-72.06	87.12	-67.13	28.00	-18.47	-61.37	-35.74	-44.10	21.04
		595	480.58	79.50	-119.87	76.96	-117.33	22.35	47.39	-131.24	-31.61	-52.25	88.72
373	1	569	935.51	81.16	-215.75	66.91	-201.50	-63.46	129.38	-201.10	-190.65	118.93	57.83
		465	524.04	100.22	-93.20	53.54	-46.53	-82.76	208.83	143.33	187.53	164.63	30.68
		99	568.92	319.44	-59.72	303.49	-43.77	-76.12	74.29	-98.62	65.60	-89.93	37.79
		555	1008.20	297.87	-214.04	288.08	-204.26	-70.10	-114.36	-333.85	-312.58	-135.64	64.93
373	2	569	719.27	43.02	-62.53	38.44	-57.96	-21.49	104.45	-179.56	-138.09	62.98	100.29
		465	443.08	48.74	-16.04	30.23	2.48	-29.27	100.65	-74.80	-31.28	57.12	75.77
		99	460.79	184.18	0.05	180.30	3.94	-26.46	3.44	-131.93	-99.06	-29.44	58.05
		555	769.75	173.81	-61.94	171.28	-59.41	-24.30	8.25	-237.70	-205.87	-23.58	82.56
374	1	595	574.25	120.21	-433.86	99.20	-412.85	-105.82	53.60	-72.83	-35.58	16.34	57.64
		569	641.40	105.13	-209.78	87.06	-191.71	-73.24	98.21	-128.38	-26.11	-4.06	112.76
		555	612.45	-68.75	-247.30	-128.39	-187.65	-84.21	133.56	-95.04	87.09	-48.57	92.00
		581	423.79	-114.89	-446.70	-144.68	-416.91	-94.85	89.21	-39.76	77.62	-28.17	36.88
374	2	595	406.51	79.76	-112.78	66.38	-99.40	-48.95	38.80	-107.51	-27.77	-40.94	72.86
		569	558.96	71.68	-70.98	57.93	-57.24	-42.10	91.44	-132.25	1.51	-42.32	109.68
		555	613.09	-20.80	-113.13	-78.27	-55.66	-44.76	174.39	-52.36	90.55	31.49	109.46
		581	436.03	-47.48	-141.03	-87.53	-100.98	-46.29	121.09	-26.94	61.27	32.87	72.64
375	1	555	1156.20	323.15	-248.91	315.95	-241.71	63.78	-241.48	-419.05	-397.62	-262.91	-57.85
		99	1036.37	299.93	-32.51	291.47	-24.06	52.34	115.77	-251.96	77.26	-213.45	112.60
		97	798.71	118.23	-37.32	103.01	-22.10	46.21	309.64	91.75	211.49	189.91	108.41
		554	1180.79	90.35	-258.30	75.72	-243.66	69.91	149.76	-272.71	-263.39	140.44	-62.04
375	2	555	784.49	214.97	-41.81	197.70	-24.54	64.31	-186.43	-286.67	-285.29	-187.82	-11.70
		99	542.56	200.45	-15.22	180.98	4.25	61.81	-13.54	-185.38	-71.40	-127.52	81.21
		97	604.42	99.50	-34.80	58.49	6.20	61.85	172.51	-54.69	6.84	110.99	100.96
		554	670.35	80.12	-65.23	41.38	-26.49	64.27	50.94	-207.30	-207.05	50.69	8.06
376	1	581	503.49	-121.73	-304.59	-132.15	-294.17	42.38	165.91	32.49	85.78	112.62	65.35
		555	594.94	-149.47	-314.90	-162.69	-301.68	44.85	188.75	65.98	139.26	115.47	-60.22
		554	468.18	122.70	-301.89	118.49	-297.69	42.04	69.68	-81.54	22.39	-34.25	-70.11
		580	420.84	93.23	-303.38	88.01	-298.17	45.19	21.45	-89.64	-31.08	-37.10	55.47
376	2	581	589.64	-29.54	-112.86	-86.14	-56.26	38.89	193.39	-31.47	76.40	85.52	112.34
		555	296.79	-39.09	-130.05	-105.59	-63.55	40.33	107.24	45.03	100.82	51.45	18.92
		554	318.05	83.40	-71.22	73.18	-60.99	38.43	14.02	-86.90	12.59	-85.47	-11.92
		580	459.55	67.04	-72.04	53.82	-58.82	40.78	52.24	-115.47	-11.83	-51.40	81.49
377	1	580	338.75	89.94	-431.30	89.78	-431.14	9.14	23.34	12.99	18.96	17.38	5.11
		554	441.07	90.05	-208.01	89.78	-207.74	9.00	100.01	-3.08	-0.96	97.89	-14.64
		603	410.50	11.21	-208.11	10.84	-207.74	9.00	83.93	-50.09	-25.46	59.29	51.91
		604	482.13	11.02	-431.33	10.84	-431.14	9.14	58.71	-85.46	-5.54	-21.22	71.66
377	2	580	321.83	53.20	-130.63	52.60	-130.04	10.45	53.72	-58.19	16.90	-21.37	52.58
		554	231.19	53.78	-38.99	52.60	-37.81	10.40	53.52	-38.55	-12.71	27.68	41.37
		603	402.97	9.22	-40.10	6.92	-37.81	10.40	75.13	-95.27	-26.53	6.40	83.59
		604	495.35	7.72	-130.83	6.92	-130.04	10.45	77.74	-117.31	3.08	-42.65	94.81
378	1	554	580.87	111.00	-205.72	107.72	-202.44	-32.07	-15.55	-170.23	-169.97	-15.80	6.25
		97	272.65	118.53	11.81	107.72	22.62	-32.20	101.44	55.86	84.99	72.31	21.89
		575	602.64	96.20	8.53	82.10	22.62	-32.20	253.77	90.05	116.59	227.23	60.35
		603	842.15	85.67	-206.01	82.10	-202.44	-32.07	146.14	-145.40	-138.38	139.12	44.71
378	2	554	445.38	61.96	-34.66	61.59	-34.28	6.04	-33.68	-167.42	-151.07	-50.03	43.81
		97	347.00	62.70	29.22	61.59	30.33	6.00	61.33	-84.33	-53.16	30.16	59.74
		575	636.35	58.13	29.03	56.84	30.33	6.00	187.66	-78.97	-27.15	135.85	105.50
		603	629.54	57.24	-34.68	56.84	-34.28	6.04	92.53	-161.94	-125.06	55.65	89.58
379	1	603	764.74	98.02	-162.16	81.79	-145.92	-62.93	101.82	-164.24	-132.49	70.07	86.26

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		575	423.85	108.64	-65.98	81.79	-39.13	-62.99	138.32	-0.89	81.73	55.70	68.38
		157	344.31	115.15	-64.85	89.44	-39.13	-62.99	98.96	-29.12	67.75	2.09	54.98
		601	673.50	105.21	-161.69	89.44	-145.92	-62.93	44.29	-174.30	-146.47	16.46	72.86
379	2	603	657.34	59.51	-19.64	55.44	-15.58	-17.47	81.99	-179.43	-111.07	13.62	114.88
		575	562.62	59.72	-15.92	55.44	-11.64	-17.47	83.28	-143.33	-62.26	2.21	108.63
		157	535.98	63.48	-15.70	59.41	-11.64	-17.47	66.06	-146.42	-66.79	-13.57	102.85
		601	630.36	63.28	-19.45	59.41	-15.58	-17.47	64.09	-181.85	-115.60	-2.16	109.11
380	1	604	467.66	15.25	-450.52	13.04	-448.31	-32.01	24.46	-71.41	4.02	-50.97	39.26
		603	466.84	19.03	-159.82	13.04	-153.82	-32.19	85.55	-77.18	-39.87	48.24	68.40
		601	633.83	31.42	-159.42	25.83	-153.82	-32.19	139.11	-98.22	-23.27	64.16	110.32
		583	549.25	27.98	-450.46	25.83	-448.31	-32.01	78.60	-93.03	20.61	-35.04	81.18
380	2	604	406.81	8.56	-144.06	7.18	-142.68	-14.46	51.66	-104.62	4.93	-57.88	71.55
		603	481.05	13.35	-27.06	7.18	-20.89	-14.53	84.60	-114.77	-30.87	0.70	98.42
		601	602.56	23.78	-25.62	19.05	-20.89	-14.53	135.34	-116.22	-13.50	32.61	123.65
		583	478.78	20.33	-143.96	19.05	-142.68	-14.46	97.91	-101.57	22.30	-25.97	96.77
381	1	601	878.61	113.91	-184.17	91.09	-161.35	-79.27	76.37	-222.73	-188.34	41.98	95.41
		157	350.22	138.01	-43.14	91.09	3.78	-79.36	128.33	9.26	115.08	22.51	37.45
		549	544.33	166.56	-34.91	127.87	3.78	-79.36	73.86	-133.72	72.15	-132.01	18.77
		599	770.42	148.17	-181.65	127.87	-161.35	-79.27	-74.88	-268.92	-231.26	-112.54	76.74
381	2	601	752.61	65.46	-44.31	59.80	-38.65	-24.28	93.96	-201.61	-132.72	25.06	124.97
		157	475.88	70.93	6.70	59.80	17.83	-24.31	61.62	-124.96	-46.78	-16.56	92.06
		549	444.56	88.20	9.43	79.80	17.83	-24.31	-3.14	-153.68	-69.14	-87.68	74.70
		599	676.49	84.58	-43.44	79.80	-38.65	-24.28	20.06	-221.19	-155.08	-46.06	107.61
382	1	583	545.99	39.53	-386.22	29.38	-376.07	-64.96	45.63	-114.41	13.12	-81.91	64.39
		601	613.36	48.99	-186.53	29.38	-166.91	-65.08	76.66	-152.14	-34.05	-41.43	114.34
		599	717.27	111.73	-182.11	96.53	-166.91	-65.08	140.70	-125.65	-1.88	16.94	132.84
		558	534.15	105.29	-384.83	96.53	-376.07	-64.96	100.62	-78.88	45.28	-23.54	82.89
382	2	583	444.98	32.01	-108.14	20.58	-96.70	-38.37	66.60	-114.90	8.48	-56.78	84.68
		601	623.79	38.93	-59.78	20.58	-41.42	-38.40	106.01	-144.80	-10.65	-28.13	125.10
		599	694.02	84.86	-53.10	73.18	-41.42	-38.40	168.44	-107.65	18.19	42.60	137.51
		558	500.54	81.44	-104.96	73.18	-96.70	-38.37	123.43	-72.15	37.32	13.95	97.09
383	1	599	1291.36	215.98	-236.10	106.85	-126.96	-193.47	-13.21	-410.72	-370.72	-53.21	119.59
		549	800.96	270.87	-111.94	125.58	33.35	-185.76	260.02	50.07	248.69	61.39	-47.43
		112	1301.84	444.95	-53.92	359.77	31.26	-187.71	131.61	-329.13	129.52	-327.04	-30.95
		600	1625.66	442.71	-189.49	378.09	-124.87	-191.52	-327.58	-603.95	-489.89	-441.64	136.06
383	2	599	1099.39	115.05	-94.70	67.39	-47.03	-87.90	117.39	-294.94	-226.29	48.74	153.60
		549	283.03	148.74	-21.61	80.50	46.64	-83.47	63.84	-21.58	38.98	3.28	38.80
		112	558.79	275.68	14.14	244.68	45.15	-84.55	-37.33	-206.25	-37.48	-206.10	5.01
		600	1074.47	280.65	-68.66	257.54	-45.55	-86.83	-92.40	-370.99	-302.75	-160.65	119.81
384	1	558	456.22	114.12	-270.30	97.31	-253.49	-78.60	12.53	-124.41	-51.74	-60.15	68.34
		599	1172.99	143.81	-209.87	124.13	-190.19	-81.08	134.82	-336.37	36.96	-238.50	191.14
		600	732.41	-141.08	-318.96	-266.72	-193.32	-81.02	167.29	-86.63	127.35	-46.69	92.45
		582	451.34	-166.40	-324.05	-240.10	-250.36	-78.66	140.69	29.62	38.65	131.67	-30.35
384	2	558	466.57	104.09	-38.85	71.20	-5.97	-60.16	40.73	-120.18	-53.34	-26.11	79.29
		599	802.51	105.60	-98.28	89.63	-82.31	-54.78	174.36	-160.52	70.86	-57.01	154.75
		600	787.92	-58.33	-207.74	-181.33	-84.73	-56.99	248.65	-13.04	130.85	104.76	130.19
		582	452.54	15.33	-181.52	-162.65	-3.54	-57.95	155.76	-13.44	6.65	135.67	54.74
385	1	600	1189.46	344.81	-190.95	340.84	-186.97	46.00	-191.78	-414.50	-414.39	-191.89	-4.92
		112	1060.64	360.76	-14.01	354.09	-7.34	49.55	153.13	-219.97	106.56	-173.39	123.32
		325	852.76	155.40	-25.98	138.52	-9.10	52.70	317.64	87.74	245.58	159.79	106.65
		602	1178.06	156.65	-190.59	151.27	-185.22	42.86	142.41	-276.48	-275.37	141.29	-21.60
385	2	600	838.52	253.86	-21.90	235.55	-3.58	68.67	-165.95	-308.52	-303.52	-170.95	26.24
		112	676.71	263.48	-9.96	245.00	8.52	68.63	43.13	-188.28	-26.83	-118.33	106.28
		325	668.90	127.89	-32.23	88.29	7.36	69.08	194.05	-45.19	58.67	90.19	118.58
		602	709.95	132.27	-36.98	97.72	-2.43	68.22	43.25	-223.71	-218.02	37.56	38.54
386	1	582	466.32	-162.07	-337.95	-249.62	-250.40	87.94	154.23	-7.73	34.27	112.23	70.98
		600	548.09	-130.91	-307.97	-230.04	-208.85	87.89	162.41	70.21	146.25	86.38	-35.06
		602	470.66	80.29	-236.92	54.68	-211.30	86.42	55.87	-105.72	34.83	-84.68	-54.38
		584	441.30	97.30	-271.10	74.14	-247.94	89.42	-15.52	-120.46	-77.15	-58.83	51.67
386	2	582	684.42	-22.11	-186.60	-165.42	-43.29	55.09	192.50	-66.01	33.68	92.81	125.83
		600	337.80	1.54	-172.57	-152.93	-18.10	55.08	114.49	7.41	90.17	31.72	44.86
		602	330.73	63.92	-54.77	28.82	-19.67	54.17	4.61	-107.94	4.06	-107.39	7.89
		584	494.16	69.46	-69.93	41.25	-41.72	56.00	39.54	-138.27	-52.44	-46.30	88.85
387	1	602	725.74	160.18	-147.46	147.26	-134.53	-61.72	54.76	-175.25	-172.03	51.54	27.02
		325	430.05	184.01	43.72	147.26	80.47	-61.69	158.41	105.17	124.97	138.60	25.73
		503	526.28	129.64	3.09	52.27	80.47	-61.69	196.38	28.55	119.26	105.67	83.64
		570	751.04	70.81	-153.08	52.27	-134.53	-61.72	50.25	-209.38	-177.75	18.61	84.92
387	2	602	579.93	90.69	-11.40	90.33	-11.05	-6.01	28.35	-180.47	-156.41	4.29	66.67
		325	403.51	91.84	66.42	90.33	67.92	-6.00	108.87	-60.22	-20.84	69.49	71.47
		503	614.28	68.76	24.61	25.44	67.92	-6.00	151.90	-111.26	-15.62	56.27	126.58
		570	702.94	26.41	-12.01	25.44	-11.05	-6.01	60.97	-221.10	-151.20	-8.93	121.78
388	1	584	334.58	71.61	-349.87	71.38	-349.63	-9.90	21.53	-16.75	-12.68	17.46	11.79

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		602	352.69	71.84	-138.41	71.38	-137.95	-9.87	87.70	-0.11	-0.03	87.61	2.80
		570	505.78	71.96	-138.41	71.49	-137.95	-9.87	97.43	-98.86	-23.17	21.74	95.54
		596	581.67	71.73	-349.87	71.49	-349.63	-9.90	62.61	-146.85	-35.83	-48.41	104.54
388	2	584	308.38	37.15	-108.70	37.13	-108.68	1.59	43.11	-77.07	-10.32	-23.65	59.72
		602	277.07	37.19	-12.09	37.13	-12.04	1.61	65.02	-51.37	-10.61	24.26	55.52
		570	563.95	62.21	-12.07	62.18	-12.04	1.61	113.03	-128.83	-20.13	4.33	120.31
		596	605.34	62.20	-108.70	62.18	-108.68	1.59	93.37	-156.79	-19.83	-43.58	124.51
389	1	570	867.33	119.98	-183.79	-62.26	-1.55	-148.82	-42.60	-293.96	-159.72	-176.83	125.39
		503	595.05	196.57	-73.38	255.28	97.91	-129.99	170.57	-19.59	136.05	14.94	-73.31
		326	640.13	289.11	14.38	213.58	89.91	-122.66	-44.92	-238.32	-46.01	-237.23	14.47
		559	1620.09	355.94	-63.33	286.16	6.45	-156.16	-167.80	-602.96	-341.77	-429.00	213.16
389	2	570	890.21	35.66	-68.73	-29.31	-3.76	-50.61	89.18	-258.98	-66.01	-103.78	173.05
		503	288.32	95.01	11.37	39.48	66.89	-39.51	39.44	-62.75	23.83	-47.14	36.76
		326	537.80	196.45	52.05	188.75	59.75	-32.44	-78.55	-201.79	-104.43	-175.91	50.20
		559	1135.67	260.11	-9.58	247.15	3.38	-57.68	-25.94	-400.88	-194.27	-232.55	186.49
390	1	596	391.24	67.89	-214.68	65.17	-211.96	-27.56	4.37	-125.35	-63.90	-57.08	64.77
		570	1186.59	157.70	-152.29	155.35	-149.94	-26.90	59.24	-377.61	-231.20	-87.18	206.21
		559	830.62	-136.39	-235.94	-208.78	-163.55	-44.34	172.74	-162.80	-35.39	45.33	162.85
		585	411.69	-128.76	-199.82	-130.23	-198.35	-10.12	139.10	68.23	131.91	75.43	21.40
390	2	596	453.44	68.51	-71.04	43.87	-46.40	-53.21	42.83	-114.67	-76.22	4.38	67.66
		570	871.36	102.02	-62.45	99.99	-60.42	-18.13	120.85	-222.03	-135.30	34.13	149.05
		559	864.87	-60.71	-174.04	-155.57	-79.17	-41.85	233.53	-115.46	-17.83	135.90	156.65
		585	462.88	-16.13	-103.10	-91.58	-27.65	-29.49	155.66	-8.26	41.25	106.15	75.26
391	1	559	854.31	193.50	-145.03	192.33	-143.86	-19.86	-13.33	-265.48	-243.75	-35.07	70.77
		326	419.08	244.54	95.30	244.42	95.41	4.06	109.73	-27.71	59.92	22.09	66.07
		508	733.79	99.65	11.51	41.33	69.82	41.70	256.16	-2.01	193.70	60.46	110.57
		571	710.97	75.06	-135.38	57.96	-118.28	-57.50	75.09	-181.77	-109.97	3.30	115.27
391	2	559	688.92	176.29	-67.33	169.11	-60.15	41.20	-39.13	-255.67	-198.39	-96.41	95.51
		326	624.68	216.83	32.04	202.89	45.98	48.80	86.74	-148.98	-3.85	-58.39	114.66
		508	858.02	106.93	-29.47	44.82	32.63	67.92	224.04	-106.14	120.26	-2.35	153.29
		571	661.83	67.46	-51.07	63.20	-46.81	22.07	77.88	-192.53	-74.28	-40.37	134.14
392	1	585	328.02	-76.80	-338.34	-150.91	-264.24	117.85	65.65	-22.09	2.01	41.55	39.17
		559	212.78	16.53	-181.43	-99.23	-65.67	97.55	66.66	43.08	57.99	51.75	11.37
		571	310.45	45.48	-120.85	20.17	-95.54	59.74	52.26	-70.00	-58.20	40.46	36.10
		597	538.57	103.52	-306.08	31.81	-234.37	155.66	54.47	-138.39	-114.18	30.26	63.90
392	2	585	474.90	-41.65	-185.38	-99.48	-127.54	70.48	92.34	-80.59	-26.21	37.96	80.29
		559	350.86	46.67	-90.35	-62.54	18.86	55.11	79.93	-38.27	3.85	37.81	56.61
		571	444.50	38.73	-21.15	20.50	-2.92	27.55	78.14	-107.53	-79.56	50.17	66.41
		597	613.69	79.70	-157.59	27.87	-105.76	98.04	90.82	-150.12	-109.62	50.32	90.09
393	1	571	755.81	5.73	-172.39	-108.53	-58.13	-85.42	-28.23	-274.36	-126.20	-176.40	120.48
		508	637.20	112.35	-26.09	10.16	76.10	-60.87	219.27	-12.02	188.41	18.84	-78.65
		332	777.24	287.13	53.32	275.47	64.97	-50.89	19.67	-255.27	18.34	-253.93	19.08
		560	1574.49	395.37	-67.57	374.80	-47.00	-95.39	-141.51	-603.94	-296.27	-449.17	218.21
393	2	571	846.66	-42.33	-95.76	-58.38	-79.71	-24.50	108.00	-242.82	-36.57	-98.25	172.68
		508	293.53	45.04	31.50	32.85	43.68	4.07	86.80	-35.32	82.57	-31.09	22.33
		332	534.92	233.69	36.96	233.34	37.31	8.33	-38.34	-202.54	-51.42	-189.45	44.47
		560	1135.68	308.33	-75.51	306.16	-73.34	-28.76	-14.08	-413.10	-170.57	-256.61	194.81
394	1	597	480.35	113.47	-290.41	108.73	-285.67	43.53	-18.01	-136.86	-76.02	-78.85	59.40
		571	1295.02	221.49	-154.17	221.24	-153.92	9.68	41.18	-430.45	-281.19	-108.08	219.35
		560	854.37	-160.70	-213.53	-213.51	-160.72	0.99	191.55	-171.26	-45.33	65.61	172.71
		586	480.16	-113.47	-295.36	-129.96	-278.87	52.22	162.26	92.42	159.85	94.84	12.76
394	2	597	410.03	66.33	-148.62	65.28	-147.57	14.99	25.91	-118.75	-83.23	-9.61	62.26
		571	956.94	137.00	-111.30	135.07	-109.36	21.86	110.80	-266.54	-175.08	19.34	161.70
		560	892.37	-120.66	-158.95	-157.92	-121.69	6.18	253.36	-122.11	-22.61	153.86	165.71
		586	457.05	-77.77	-151.60	-94.14	-135.24	30.67	168.95	25.20	69.24	124.91	66.26
395	1	560	864.68	314.26	-220.13	312.88	-218.75	-27.10	18.12	-214.32	-188.93	-7.28	72.51
		332	624.01	388.45	108.13	388.39	108.19	3.84	166.77	26.52	148.31	44.97	47.41
		512	771.57	128.99	17.95	73.54	73.39	55.52	289.41	60.06	259.98	89.49	76.71
		572	707.33	122.57	-204.20	102.32	-183.95	-78.79	96.80	-136.81	-77.26	37.25	101.81
395	2	560	692.94	258.43	-156.14	256.40	-154.11	28.97	-9.71	-220.20	-160.56	-69.35	94.85
		332	651.82	316.08	31.63	308.73	38.98	45.11	126.96	-90.55	68.31	-31.91	96.52
		512	823.49	127.18	-37.32	72.86	17.00	77.37	249.04	-41.27	176.31	31.46	125.80
		572	628.68	97.87	-132.18	97.82	-132.13	-3.28	97.02	-155.56	-52.56	-5.98	124.12
396	1	586	378.04	-111.33	-523.63	-206.90	-428.06	173.98	70.01	-6.40	10.12	53.50	31.45
		560	269.58	14.46	-262.31	-137.28	-110.57	137.74	71.03	49.51	63.61	56.93	10.22
		572	339.45	39.41	-188.68	5.15	-154.43	81.49	72.81	-37.57	-32.85	68.09	22.33
		598	588.95	117.83	-489.79	12.24	-384.21	230.24	76.32	-98.01	-86.35	64.66	43.56
396	2	586	494.06	-74.66	-376.38	-148.08	-302.96	129.46	94.15	-62.22	-16.27	48.20	71.23
		560	369.83	30.91	-172.80	-95.77	-46.12	98.79	81.57	-27.29	12.25	42.02	52.35
		572	397.32	28.69	-107.75	1.70	-80.76	54.35	92.95	-74.65	-57.00	75.30	51.44
		598	580.87	88.08	-353.18	3.23	-268.33	173.90	107.15	-111.18	-85.52	81.48	70.32
397	1	572	720.66	26.52	-261.53	-132.98	-102.04	-143.19	9.61	-218.43	-81.19	-127.63	111.63

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		512	919.42	149.47	-59.46	-11.41	101.42	-87.92	323.92	-0.31	263.55	60.06	-126.21
		338	871.22	298.50	57.73	259.64	96.59	-88.58	54.93	-263.51	49.19	-257.77	-42.37
		561	1515.80	392.65	-138.68	351.18	-97.21	-142.53	-161.15	-579.85	-295.55	-445.45	195.47
397	2	572	855.13	-32.65	-200.41	-83.71	-149.36	-77.19	135.20	-198.66	-7.18	-56.28	165.11
		512	393.23	51.50	2.65	13.87	40.28	-20.55	149.09	7.06	145.92	10.24	-21.00
		338	528.48	230.33	35.74	226.96	39.10	-25.37	-26.37	-190.11	-26.71	-189.77	-7.48
		561	1109.01	307.54	-159.67	296.05	-148.18	-72.37	-35.36	-400.73	-179.81	-256.28	178.64
398	1	598	510.93	164.74	-439.85	154.82	-429.93	76.80	-16.13	-98.09	-53.78	-60.44	40.84
		572	1263.65	282.98	-247.50	282.32	-246.85	18.67	46.16	-403.85	-258.90	-98.79	210.29
		561	741.31	-199.35	-254.35	-204.71	-248.99	16.31	181.02	-131.04	-9.51	59.49	152.17
		587	599.92	-98.62	-446.83	-117.66	-427.79	79.16	198.57	94.88	195.61	97.84	-17.27
398	2	598	414.55	107.40	-313.63	99.17	-305.39	58.32	26.79	-83.92	-63.00	5.87	43.34
		572	959.45	187.10	-223.13	182.92	-218.96	41.19	112.98	-250.32	-161.86	24.51	155.93
		561	823.07	-142.57	-238.53	-154.71	-226.39	31.91	246.59	-82.50	10.01	154.08	147.94
		587	497.12	-68.69	-317.89	-88.62	-297.96	67.60	159.92	84.39	108.87	135.44	35.35
399	1	561	820.07	319.84	-241.48	308.77	-230.40	-78.06	43.16	-162.65	-156.17	36.68	35.94
		338	627.98	390.94	103.73	383.64	111.03	-45.20	173.20	89.43	171.28	91.35	-12.54
		516	602.08	81.17	65.78	70.52	76.42	7.11	241.08	135.24	239.50	136.82	12.85
		573	710.80	147.60	-245.29	98.11	-195.80	-130.37	101.96	-107.75	-87.95	82.16	61.32
399	2	561	670.26	267.67	-198.36	266.45	-197.14	-23.88	6.18	-167.21	-138.59	-22.44	64.37
		338	471.96	320.69	20.28	320.62	20.35	-4.69	111.39	-4.46	89.50	17.43	45.35
		516	556.62	88.68	-12.74	78.81	-2.87	30.05	205.15	43.43	163.10	85.48	70.93
		573	637.11	114.95	-185.81	103.05	-173.91	-58.62	95.90	-115.27	-64.98	45.61	89.95
400	1	587	451.11	-148.36	-604.55	-232.06	-520.85	176.57	42.96	40.82	41.34	42.44	-0.91
		561	394.35	-18.16	-289.96	-151.84	-156.27	135.88	99.23	30.82	92.07	37.98	-20.93
		573	368.40	43.41	-226.24	22.58	-205.41	71.98	73.65	-3.87	1.49	68.29	-19.67
		556	660.68	129.61	-567.87	33.44	-471.71	240.47	72.76	-49.25	-49.25	72.76	0.35
400	2	587	379.34	-110.48	-500.75	-180.05	-431.17	149.38	70.27	-11.40	15.17	43.70	38.26
		561	227.08	-2.35	-226.50	-115.59	-113.26	112.07	57.12	14.19	41.45	29.86	20.67
		573	365.84	29.82	-173.04	11.75	-154.97	57.79	84.45	-23.25	-22.47	83.66	9.16
		556	612.43	100.18	-474.16	15.48	-389.46	203.65	102.25	-53.48	-48.74	97.50	26.76
401	1	573	613.11	120.83	-335.77	-152.21	-62.72	-223.87	-12.24	-164.84	-117.20	-59.87	70.71
		516	1217.72	245.08	-137.15	-29.52	137.45	-171.92	414.35	34.53	293.99	154.89	-176.72
		344	875.88	376.25	11.29	256.01	131.53	-171.54	101.42	-205.08	83.40	-187.07	-72.08
		562	1514.27	449.78	-156.07	350.50	-56.80	-224.25	-185.60	-544.03	-327.79	-401.83	175.35
401	2	573	822.68	47.12	-289.25	-103.82	-138.32	-167.30	125.76	-145.89	-36.41	16.28	133.25
		516	606.75	142.12	-85.50	-3.02	59.65	-109.41	216.97	61.58	173.69	104.86	-69.65
		344	507.94	283.88	0.09	225.93	58.04	-114.40	6.38	-142.32	-6.12	-129.83	-41.25
		562	1155.02	352.13	-190.60	298.23	-136.71	-162.31	-55.67	-378.96	-216.22	-218.41	161.64
402	1	556	459.91	202.47	-434.55	200.33	-432.42	36.82	-28.22	-51.93	-28.28	-51.87	-1.24
		573	1055.39	335.24	-265.88	335.17	-265.81	-6.41	21.86	-315.67	-210.24	-83.57	156.43
		562	576.16	-203.93	-276.81	-207.33	-273.42	-15.36	141.42	-72.23	18.47	50.73	105.60
		588	633.41	-100.28	-431.26	-106.73	-424.81	45.77	220.11	62.74	200.42	82.43	-52.07
402	2	556	417.97	148.02	-354.92	145.57	-352.47	35.01	18.68	-35.49	-35.38	18.57	-2.44
		573	825.49	241.03	-272.95	239.69	-271.60	26.26	95.83	-176.12	-120.92	40.63	109.38
		562	711.87	-155.89	-284.10	-157.06	-282.93	12.19	221.67	-15.08	47.13	159.46	104.20
		588	533.61	-69.06	-349.99	-77.91	-341.14	49.08	143.01	127.06	132.67	137.39	-7.62
403	1	562	845.71	348.36	-157.66	297.91	-107.21	-151.60	113.17	-130.20	-125.61	108.57	33.12
		344	728.43	447.87	120.67	383.87	184.67	-129.79	203.40	92.57	160.72	135.25	-53.93
		520	490.68	181.84	-67.85	-37.99	151.98	-81.01	161.52	-1.58	123.83	36.11	-68.75
		574	575.86	172.24	-237.23	9.52	-74.52	-200.38	11.36	-164.42	-162.50	9.44	18.30
403	2	562	714.22	294.78	-132.06	264.24	-101.52	-110.02	70.12	-127.28	-111.22	54.06	53.97
		344	369.45	367.48	49.36	332.38	84.45	-99.66	68.36	64.23	68.34	64.25	-0.26
		520	174.32	96.71	-60.42	-24.93	61.22	-65.70	52.15	9.09	46.02	15.23	-15.05
		574	533.94	122.38	-181.60	19.07	-78.29	-143.98	15.35	-143.85	-133.54	5.04	39.18
404	1	588	406.52	-178.62	-439.77	-225.26	-393.13	100.02	75.97	6.03	58.30	23.69	-30.39
		562	476.69	-52.49	-211.75	-139.70	-124.54	79.27	139.38	10.47	112.60	37.25	-52.30
		574	233.04	120.14	-167.60	117.78	-165.24	25.93	36.04	-16.13	7.83	12.08	-26.00
		557	442.70	197.90	-395.16	155.17	-352.43	153.36	-1.11	-46.84	-46.47	-1.47	-4.08
404	2	588	301.90	-144.73	-391.42	-181.55	-354.59	87.91	44.32	29.73	44.30	29.76	0.58
		562	276.26	-41.94	-175.43	-109.45	-107.91	66.74	76.49	21.11	69.86	27.74	-17.98
		574	252.67	98.78	-145.52	97.22	-143.96	19.43	40.87	-6.30	-2.67	37.24	-12.58
		557	438.62	162.78	-356.53	124.79	-318.54	135.22	39.78	-28.76	-28.24	39.26	5.99
405	1	574	642.07	206.58	-353.63	-209.34	62.28	-244.98	-78.06	-227.67	-214.73	-91.00	42.06
		520	1660.20	332.29	-197.21	-61.83	196.91	-230.99	485.61	-68.56	221.80	195.24	-276.77
		350	988.15	470.57	22.01	313.16	179.41	-214.07	8.42	-298.40	-67.85	-222.13	-132.60
		563	1928.15	581.17	-57.03	444.36	79.78	-261.90	-320.15	-692.60	-504.38	-508.37	186.22
405	2	574	737.97	128.60	-314.96	-166.49	-19.87	-209.32	67.22	-173.29	-122.76	16.70	97.97
		520	1081.28	242.76	-160.33	-43.38	125.81	-182.93	299.59	-41.64	96.62	161.34	-167.52
		350	752.85	378.49	-0.20	264.01	114.28	-173.92	-29.58	-251.72	-154.08	-127.21	-110.26
		563	1450.83	468.42	-108.33	368.44	-8.34	-218.33	-159.32	-485.99	-373.46	-271.85	155.23
406	1	557	557.55	302.03	-206.51	256.65	-161.12	-144.99	-30.52	-135.66	-31.35	-134.83	-9.31

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		574	1046.29	422.09	-170.23	410.32	-158.46	-82.66	-23.33	-325.68	-193.03	-155.99	150.04
		563	708.65	-111.64	-403.09	-316.69	-198.03	-133.10	117.31	-106.85	32.02	-21.55	108.83
		589	597.28	-42.41	-234.50	-155.36	-121.55	-94.54	206.06	-12.76	193.69	-0.40	-50.52
406	2	557	395.97	251.34	-173.34	207.33	-129.33	-129.43	2.97	-69.35	-23.95	-42.44	-34.96
		574	673.39	327.00	-192.92	322.80	-188.72	-46.53	41.43	-146.28	-88.48	-16.36	86.65
		563	663.43	-142.82	-339.55	-253.97	-228.40	-97.53	186.69	15.59	86.74	115.54	84.33
		589	429.22	-24.10	-183.50	-117.96	-89.65	-78.43	168.80	71.95	151.28	89.47	-37.28
407	1	589	338.41	61.74	-96.88	-96.78	61.65	-3.83	74.48	-29.12	74.45	-29.10	-1.67
		563	589.22	-56.28	-115.04	-79.70	-91.62	28.77	120.35	-126.40	90.10	-96.15	-80.92
		565	524.45	29.36	-98.12	13.54	-82.30	42.03	45.30	-155.23	-45.43	-64.49	-99.81
		591	204.63	73.59	38.58	59.84	52.33	-17.10	8.62	-67.14	-61.08	2.56	-20.56
407	2	589	272.21	30.54	-72.86	-72.54	30.21	-5.77	79.57	-0.49	79.12	-0.04	5.94
		563	479.79	-42.98	-71.70	-57.80	-56.88	14.35	106.52	-94.61	77.11	-65.20	-71.07
		565	462.97	15.37	-58.85	9.12	-52.60	20.61	36.57	-145.59	-49.66	-59.35	-90.95
		591	161.39	47.41	19.20	40.67	25.94	-12.03	9.22	-51.07	-47.65	5.81	-13.94
408	1	563	947.47	236.71	-87.49	226.71	-77.48	-56.08	-9.56	-296.87	-294.22	-12.20	-27.44
		350	481.20	425.46	73.38	407.47	91.38	-77.53	51.91	-74.41	-66.11	43.62	-31.29
		416	470.24	50.80	-401.98	-400.90	49.72	-22.09	133.66	34.87	44.32	124.21	29.05
		565	741.42	13.56	-287.68	-238.30	-35.82	-111.52	72.62	-188.02	-183.79	68.39	32.91
408	2	563	876.39	197.42	-49.47	191.64	-43.70	-37.33	-8.56	-281.06	-279.80	-9.82	-18.50
		350	574.38	350.66	30.92	338.09	43.49	-62.14	35.32	-118.63	-117.88	34.57	-10.70
		416	516.33	13.98	-335.63	-334.20	12.56	-22.30	114.79	-34.26	-22.88	103.41	39.59
		565	711.91	15.43	-223.98	-195.79	-12.76	-77.17	63.10	-188.87	-184.80	59.02	31.79
409	1	380	913.79	28.20	-103.45	24.27	-99.51	-22.43	-29.87	-343.83	-330.44	-43.25	-63.43
		619	444.68	37.30	-14.53	24.27	-1.49	-22.49	46.63	-134.09	-95.09	7.62	-74.35
		605	407.10	10.69	-42.99	-30.80	-1.49	-22.49	-10.14	-145.54	-110.67	-45.01	-59.21
		81	866.97	-24.12	-106.18	-30.80	-99.51	-22.43	-86.89	-355.02	-346.02	-95.89	-48.29
409	2	380	744.49	-20.76	-99.54	-54.82	-65.48	-39.03	3.16	-266.02	-256.83	-6.03	-48.87
		619	380.70	10.69	-78.11	-54.82	-12.59	-39.06	29.92	-104.72	-84.23	9.43	-48.36
		605	358.94	23.64	-54.69	-18.46	-12.59	-39.06	1.75	-118.24	-88.38	-28.12	-51.88
		81	704.52	3.59	-87.53	-18.46	-65.48	-39.03	-31.60	-272.95	-260.98	-43.57	-52.39
410	1	81	1759.69	-23.77	-197.42	-28.11	-193.09	-27.10	-60.99	-685.95	-613.16	-133.78	-200.48
		605	467.75	47.93	-59.67	-6.35	-5.39	-53.80	164.84	-1.95	155.98	6.91	-37.41
		621	1078.43	3.01	-250.80	-241.88	-5.91	-46.74	423.22	317.89	318.04	423.08	3.94
		452	1914.13	-170.75	-246.05	-224.24	-192.57	-34.16	315.43	-484.14	-451.10	282.39	-159.14
410	2	81	1289.57	7.14	-134.16	-12.87	-114.15	-49.26	-31.62	-489.97	-428.42	-93.16	-156.27
		605	407.19	35.41	-90.22	-2.71	-52.10	-57.75	129.83	-2.57	95.79	31.47	-57.87
		621	730.89	-20.17	-148.17	-115.68	-52.66	-55.71	291.77	192.97	192.97	291.77	-0.21
		452	1290.79	-58.81	-161.64	-106.87	-113.58	-51.30	185.93	-350.05	-331.24	167.13	-98.62
411	1	452	1773.28	-157.87	-306.76	-242.68	-221.95	73.72	187.26	-528.45	-528.36	187.17	-7.85
		621	885.49	-59.57	-252.54	-224.86	-87.25	67.64	323.71	255.87	256.13	323.45	-4.23
		606	535.62	3.87	-128.76	-34.06	-90.83	59.93	118.36	-84.68	101.97	-68.28	55.32
		82	1650.60	9.91	-247.41	-19.13	-218.36	81.43	-199.03	-688.05	-682.52	-204.56	51.71
411	2	452	1084.54	-113.08	-124.79	-113.17	-124.70	1.03	84.10	-349.36	-349.31	84.05	-4.81
		621	451.36	-75.84	-102.80	-102.78	-75.86	-0.78	168.90	114.17	116.90	166.17	11.91
		606	316.89	12.92	-77.84	12.75	-77.67	-3.92	73.72	-48.96	52.26	-27.50	46.61
		82	1038.23	22.22	-123.01	22.10	-122.89	4.16	-106.71	-416.86	-413.95	-109.62	29.89
412	1	82	1831.75	2.07	-250.72	-2.88	-245.77	35.05	-197.39	-744.66	-711.45	-230.59	-130.65
		606	565.11	24.02	-20.18	23.54	-19.70	4.59	82.64	-150.09	42.97	-110.41	87.52
		622	1088.88	-19.96	-281.25	-280.64	-20.57	12.58	443.42	218.97	288.45	373.94	103.76
		457	1799.94	-223.88	-279.72	-258.70	-244.90	27.05	271.51	-483.72	-465.98	253.76	-114.40
412	2	82	1182.09	16.34	-136.13	16.34	-136.13	-0.52	-126.54	-480.93	-460.22	-147.25	-83.13
		606	318.34	31.81	-79.71	31.33	-79.23	-7.29	69.57	-49.01	53.12	-32.56	40.98
		622	825.00	-80.02	-149.74	-149.21	-80.55	-6.06	330.26	135.85	190.67	275.45	87.47
		457	1170.50	-133.30	-136.83	-135.32	-134.82	-1.75	163.53	-325.44	-322.68	160.77	-36.64
413	1	457	1748.57	-118.82	-349.97	-280.58	-188.21	105.95	159.42	-517.01	-515.78	158.18	28.88
		622	728.43	-1.52	-300.15	-262.18	-39.49	99.49	289.42	175.62	201.48	263.57	47.68
		607	627.26	43.07	-140.21	-53.99	-43.15	91.48	113.53	-127.59	85.92	-99.97	76.79
		93	1544.15	23.84	-246.86	-38.47	-184.55	113.95	-197.61	-639.09	-631.34	-205.36	57.98
413	2	457	1116.98	-62.76	-168.78	-136.88	-94.66	48.62	96.92	-337.96	-330.59	89.55	56.11
		622	473.07	-33.34	-151.73	-128.00	-57.07	47.39	195.33	58.94	106.58	147.69	65.02
		607	467.07	7.82	-89.09	-22.73	-58.54	45.02	77.43	-99.40	34.53	-56.50	75.80
		93	1022.67	10.51	-118.26	-14.56	-93.19	50.99	-99.86	-417.42	-402.64	-114.64	66.89
414	1	93	1682.23	-4.11	-165.20	-12.54	-156.77	35.86	-221.52	-702.36	-678.31	-245.58	-104.82
		607	704.62	55.06	10.95	12.98	53.03	9.24	97.31	-197.38	42.68	-142.75	114.52
		623	1061.31	52.65	-301.51	-300.77	51.91	16.12	429.92	193.90	296.42	327.40	116.99
		461	1681.76	-149.18	-285.46	-278.99	-155.65	28.98	240.33	-440.32	-424.57	224.58	-102.35
414	2	93	1119.34	-8.73	-72.24	-9.96	-71.01	8.75	-152.45	-472.67	-465.94	-159.18	-45.93
		607	479.08	5.14	-34.49	4.49	-33.84	5.04	94.31	-105.43	48.73	-59.85	83.83
		623	845.99	-35.14	-181.93	-181.73	-35.33	5.37	339.45	104.82	196.02	248.24	114.37
		461	1178.54	-68.80	-168.64	-167.93	-69.52	8.42	149.42	-319.16	-318.65	148.91	-15.38
415	1	461	1698.98	-57.29	-341.25	-300.39	-98.16	99.67	147.36	-484.85	-481.15	143.66	48.26

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		623	734.91	61.66	-307.94	-282.04	35.76	94.35	286.73	182.68	227.28	242.14	51.49
		608	653.08	85.33	-111.72	-58.74	32.35	87.36	114.96	-157.11	92.53	-134.68	74.83
		96	1523.97	41.05	-178.51	-42.71	-94.74	106.65	-220.20	-628.85	-615.90	-233.16	71.60
415	2	461	1186.06	-22.48	-185.15	-172.36	-35.27	43.79	95.47	-347.23	-331.19	79.44	82.71
		623	532.85	4.48	-173.10	-161.85	-6.77	43.25	208.58	38.40	117.16	129.82	84.85
		608	522.56	24.39	-60.33	-27.60	-8.34	41.25	78.82	-130.10	34.42	-85.70	85.46
		96	1074.55	20.86	-72.13	-17.57	-33.70	45.79	-113.01	-437.01	-413.93	-136.08	83.33
416	1	96	1618.67	-14.88	-90.79	-18.04	-87.62	15.17	-248.04	-691.17	-670.70	-268.51	-93.02
		608	852.77	126.25	6.11	7.01	125.34	-10.38	111.70	-223.40	59.50	-171.19	121.53
		624	1077.97	124.17	-321.26	-321.23	124.14	-3.77	425.61	189.23	311.23	303.60	118.13
		465	1677.80	-86.07	-299.90	-299.56	-86.42	8.57	220.81	-433.49	-418.96	206.28	-96.42
416	2	96	1149.24	-8.84	-34.20	-13.32	-29.72	-9.67	-178.70	-488.72	-484.90	-182.52	-34.19
		608	591.07	22.35	-7.63	1.61	13.11	-13.84	106.81	-140.86	53.11	-87.16	102.06
		624	895.94	12.42	-203.14	-202.31	11.59	-13.37	352.75	99.81	211.58	240.98	125.61
		465	1224.71	-27.56	-188.68	-188.04	-28.20	-10.15	145.86	-326.67	-326.43	145.62	-10.64
417	1	465	1733.76	-26.52	-346.39	-324.40	-48.51	80.93	156.55	-478.39	-470.85	149.01	68.77
		624	761.23	114.36	-317.37	-303.78	100.77	75.39	283.97	196.63	244.78	235.82	43.44
		610	648.21	125.76	-64.03	-35.33	97.06	68.00	81.26	-173.44	68.95	-161.12	54.64
		99	1585.33	58.51	-120.31	-17.00	-44.80	88.32	-232.49	-662.12	-646.68	-247.93	79.97
417	2	465	1262.55	-3.62	-199.71	-195.52	-7.81	28.35	110.70	-359.43	-336.25	87.51	101.80
		624	559.43	34.98	-186.68	-183.21	31.51	27.49	216.80	40.82	130.49	127.12	81.77
		610	469.89	40.56	-27.78	-16.88	29.66	25.02	57.89	-137.90	23.10	-103.11	74.84
		99	1139.07	25.26	-36.38	-5.16	-5.96	30.81	-118.55	-467.83	-443.65	-142.73	88.66
418	1	99	1417.83	9.41	-55.87	6.12	-52.58	-14.29	-239.97	-605.55	-604.63	-240.89	18.40
		610	745.61	170.35	-55.55	-43.50	158.30	50.76	75.60	-191.39	71.54	-187.33	32.70
		609	845.86	174.90	-279.71	-278.38	173.57	24.50	255.09	41.16	243.65	52.61	48.13
		97	1368.26	-67.33	-341.83	-341.31	-67.85	11.97	1.67	-435.15	-432.52	-0.96	33.83
418	2	99	1031.94	14.14	-31.08	-0.62	-16.31	-21.21	-188.83	-442.99	-435.88	-195.94	41.91
		610	576.66	38.49	-33.98	-33.98	38.48	-0.42	90.16	-141.42	76.91	-128.17	53.79
		609	724.11	46.10	-182.87	-182.38	45.61	-10.59	248.28	36.78	206.32	78.73	84.34
		97	1022.39	-22.82	-220.00	-219.38	-23.44	-11.04	26.72	-322.23	-306.47	10.96	72.46
419	1	97	2221.69	14.63	-419.71	-318.11	-86.97	183.87	379.21	-490.37	-471.76	360.59	125.87
		609	2060.92	127.60	-481.86	-398.30	44.03	209.64	828.53	475.02	532.83	770.72	-130.75
		632	1011.47	221.02	-203.72	-35.04	52.35	207.83	411.55	216.63	402.62	225.55	40.75
		575	2177.19	76.83	-295.59	-123.47	-95.29	185.68	-29.98	-756.56	-601.96	-184.57	297.36
419	2	97	1620.89	15.56	-260.84	-212.77	-32.51	104.76	271.10	-359.84	-317.87	229.13	157.23
		609	1231.18	65.34	-309.18	-266.56	22.73	118.93	475.57	361.29	370.74	466.12	-31.48
		632	777.53	119.67	-117.85	-27.32	29.14	115.36	297.47	56.68	276.79	77.35	67.46
		575	1651.46	48.89	-172.57	-84.76	-38.92	108.33	-0.21	-571.24	-411.82	-159.64	256.17
420	1	575	1549.70	-28.32	-177.63	-142.62	-63.33	63.26	124.00	-474.12	-446.53	96.41	125.46
		632	532.98	151.24	-156.18	-142.62	137.67	63.14	213.05	140.68	192.08	161.65	32.83
		612	661.69	153.87	-108.40	-92.20	137.67	63.14	124.49	-110.61	120.85	-106.97	29.04
		157	1418.21	-12.88	-142.65	-92.20	-63.33	63.26	-133.67	-556.30	-517.76	-172.21	121.67
420	2	575	1207.45	-18.00	-100.74	-91.32	-27.41	26.28	102.83	-370.37	-320.63	53.09	145.13
		632	467.86	63.21	-95.77	-91.32	58.76	26.22	181.96	24.60	119.67	86.90	76.95
		612	542.30	64.39	-63.31	-57.67	58.76	26.22	94.62	-124.04	68.77	-98.19	70.61
		157	1125.16	-12.22	-72.86	-57.67	-27.41	26.28	-68.45	-435.08	-371.54	-131.99	138.78
421	1	157	1281.75	6.57	-116.25	-90.63	-19.05	49.90	-26.60	-465.86	-441.17	-51.30	101.18
		612	439.24	130.68	-101.85	-90.63	119.46	49.82	79.33	-76.33	64.14	-61.15	46.18
		630	681.65	131.55	-85.86	-73.77	119.46	49.82	26.41	-203.41	24.16	-201.16	22.62
		549	1234.85	10.50	-103.32	-73.77	-19.05	49.90	-171.83	-500.63	-481.15	-191.30	77.62
421	2	157	1048.27	10.95	-64.55	-57.12	3.52	22.48	11.69	-369.60	-322.66	-35.24	125.27
		612	444.50	42.03	-62.21	-57.12	36.94	22.46	85.07	-103.85	36.56	-55.34	82.53
		630	532.32	42.84	-48.60	-42.71	36.94	22.46	27.01	-176.82	6.44	-156.25	61.40
		549	988.38	12.65	-51.83	-42.71	3.52	22.48	-94.21	-394.73	-352.78	-136.15	104.14
422	1	549	1197.50	-4.00	-91.48	-72.13	-23.36	36.31	-168.76	-487.58	-466.25	-190.09	79.67
		630	601.58	157.03	-78.01	-72.13	151.15	36.71	20.60	-172.18	13.95	-165.53	35.17
		611	603.52	157.41	-64.28	-58.03	151.15	36.71	-11.59	-189.68	-13.84	-187.44	19.89
		112	1226.31	-0.46	-80.93	-58.03	-23.36	36.31	-197.99	-508.04	-494.03	-212.00	64.38
422	2	549	975.51	16.81	-45.95	-41.60	12.46	15.94	-86.53	-388.64	-351.45	-123.72	99.26
		630	483.91	49.35	-44.42	-41.60	46.53	16.02	43.63	-147.13	11.72	-115.23	71.19
		611	462.38	49.30	-46.16	-43.39	46.53	16.02	13.78	-155.64	-6.49	-135.36	54.99
		112	975.36	16.69	-47.62	-43.39	12.46	15.94	-116.59	-396.93	-369.67	-143.85	83.07
423	1	112	1489.90	-8.92	-46.39	-43.01	-12.29	-10.73	-272.44	-632.08	-631.94	-272.57	-6.94
		611	950.80	225.67	-114.28	-102.67	214.06	61.74	158.28	-174.52	157.74	-173.98	13.41
		613	1040.78	234.01	-294.84	-292.91	232.08	31.87	339.51	79.21	322.20	96.52	64.85
		325	1496.27	-29.23	-368.50	-367.42	-30.32	19.14	2.14	-471.70	-467.48	-2.07	44.49
423	2	112	1115.29	7.23	-43.63	-37.19	0.79	-16.92	-223.89	-473.91	-472.20	-225.61	20.62
		611	722.80	83.10	-77.10	-76.11	82.11	12.55	151.40	-125.85	142.46	-116.91	48.98
		613	912.26	91.33	-195.24	-195.23	91.32	-1.14	329.85	68.42	277.06	121.20	104.94
		325	1129.73	-8.38	-239.70	-239.66	-8.43	-3.23	28.52	-353.61	-337.59	12.50	76.58
424	1	325	2027.10	47.39	-367.40	-327.20	7.19	122.71	362.35	-409.29	-359.31	312.37	189.92

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		613	1519.11	112.22	-427.67	-388.71	73.25	139.70	587.02	374.72	439.93	521.81	-97.94
		625	630.12	209.91	-61.49	67.90	80.51	135.55	171.33	-81.49	170.70	-80.86	-12.59
		503	2029.35	127.78	-125.95	1.89	-0.07	126.86	-136.34	-782.49	-628.53	-290.30	275.27
424	2	325	1538.77	45.78	-245.28	-223.25	23.76	76.98	272.40	-320.04	-239.38	191.74	203.17
		613	966.91	63.26	-289.07	-266.61	40.79	86.07	336.28	311.48	322.26	325.50	-12.29
		625	589.95	128.49	-33.52	48.26	46.71	81.00	126.56	-112.93	121.43	-107.80	34.68
		503	1610.68	93.03	-71.70	3.50	17.84	82.05	-71.75	-610.02	-440.20	-241.57	250.14
425	1	503	1167.58	7.68	-28.86	-13.38	-7.80	18.05	-279.75	-499.17	-486.67	-292.25	50.85
		625	882.40	219.15	-58.83	-34.60	194.92	78.41	118.77	-197.32	118.76	-197.31	-1.86
		614	812.58	213.81	-228.08	-220.77	206.50	56.35	230.55	5.64	225.14	11.05	34.46
		326	1174.92	-12.76	-262.30	-255.68	-19.38	40.11	-60.15	-404.03	-380.29	-83.89	87.18
425	2	503	926.16	30.92	-5.24	7.62	18.06	17.31	-182.26	-398.91	-354.29	-226.88	87.62
		625	681.39	101.40	-27.24	-12.88	87.03	40.52	118.97	-155.31	112.80	-149.14	40.68
		614	673.16	96.65	-171.56	-168.00	93.08	30.72	208.75	-9.91	181.15	17.69	72.63
		326	1011.23	15.53	-196.81	-193.29	12.01	27.12	-8.52	-337.47	-285.94	-60.05	119.56
426	1	326	1844.63	112.35	-319.55	-233.97	26.77	172.16	313.97	-378.51	-316.04	251.50	198.39
		614	1501.60	173.36	-367.33	-290.17	96.20	189.12	581.34	369.29	445.14	505.49	-101.64
		626	634.19	296.13	-75.88	117.69	102.56	185.85	152.66	-74.43	150.81	-72.58	20.39
		508	2175.03	214.84	-137.88	56.55	20.41	175.43	-118.03	-818.90	-610.36	-326.57	320.43
426	2	326	1517.27	73.48	-231.98	-182.01	23.51	112.99	247.52	-329.37	-231.10	149.25	216.87
		614	951.99	122.59	-269.84	-224.17	76.91	125.85	337.15	304.73	327.53	314.36	-14.81
		626	633.19	205.40	-41.59	82.16	81.64	123.49	117.59	-121.58	104.06	-108.05	55.26
		508	1789.05	143.17	-88.19	36.20	18.77	115.35	-62.93	-664.80	-454.57	-273.15	286.94
427	1	508	1256.59	96.22	-69.35	38.85	-11.99	78.78	-255.44	-535.86	-495.05	-296.25	98.89
		626	915.61	331.77	-77.54	2.05	252.18	162.00	115.27	-204.51	114.96	-204.20	10.00
		615	819.57	298.16	-326.46	-297.86	269.55	130.57	171.20	-44.99	165.38	-39.17	34.98
		332	1456.37	4.55	-387.61	-353.71	-29.36	110.22	-88.17	-487.67	-444.62	-131.22	123.87
427	2	508	1062.29	67.95	-31.80	29.80	6.35	48.48	-171.55	-448.52	-381.87	-238.21	118.40
		626	718.11	190.67	-46.57	-0.11	144.21	94.14	112.20	-170.51	103.99	-162.31	47.46
		615	653.63	169.45	-242.95	-228.50	155.01	75.82	168.47	-39.97	141.17	-12.68	70.31
		332	1238.03	11.49	-284.41	-268.48	-4.45	66.80	-25.98	-407.29	-344.69	-88.58	141.25
428	1	332	2051.76	112.00	-359.45	-276.05	28.59	179.90	323.66	-444.11	-375.40	254.95	219.17
		615	1449.28	260.17	-406.75	-334.57	187.99	207.20	563.08	340.16	411.13	492.11	-103.85
		627	591.90	361.55	-68.82	100.83	191.90	210.31	96.45	-106.52	96.40	-106.47	-3.25
		512	2304.24	204.65	-148.98	30.99	24.68	176.79	-153.20	-880.56	-690.13	-343.63	319.76
428	2	332	1694.32	57.35	-263.93	-215.58	9.00	114.88	264.63	-382.18	-282.57	165.03	233.46
		615	944.23	193.61	-302.11	-260.21	151.71	137.90	342.01	289.19	309.47	321.74	-25.69
		627	515.79	262.60	-31.41	77.15	154.04	141.89	64.07	-135.77	59.60	-131.30	29.56
		512	1902.64	125.74	-96.60	22.47	6.67	110.89	-96.71	-723.74	-532.44	-288.01	288.71
429	1	512	1392.26	27.47	-42.36	-25.60	10.71	29.82	-289.69	-592.78	-569.05	-313.42	81.43
		627	986.33	364.25	-96.61	-56.92	324.56	129.30	65.92	-235.28	65.61	-234.97	-9.58
		616	827.11	356.83	-338.50	-325.86	344.19	92.91	124.20	-60.92	124.13	-60.85	-3.56
		338	1540.50	2.51	-392.47	-381.04	-8.92	66.21	-119.73	-530.10	-510.53	-139.30	87.45
429	2	512	1165.64	2.87	-19.73	-17.67	0.80	6.51	-207.11	-497.21	-453.45	-250.87	103.83
		627	746.28	222.12	-63.71	-44.31	202.71	71.91	67.49	-185.37	65.09	-182.97	24.52
		616	590.51	221.06	-264.32	-259.66	216.41	47.30	110.04	-33.95	102.13	-26.04	32.81
		338	1324.47	-9.58	-305.05	-301.73	-12.89	31.12	-58.79	-451.56	-416.41	-93.94	112.12
430	1	338	2078.94	58.34	-336.63	-295.80	17.51	120.25	307.80	-484.21	-444.59	268.18	172.64
		616	1479.32	259.92	-372.86	-335.23	222.30	149.65	591.76	293.86	398.99	486.62	-142.36
		628	751.41	300.13	-101.94	-23.43	221.61	159.39	128.37	-100.40	110.32	-82.35	-61.68
		516	2179.78	90.67	-150.33	-77.86	18.20	110.51	-183.96	-850.09	-733.26	-300.79	253.32
430	2	338	1736.97	-7.67	-258.40	-237.39	-28.68	69.47	256.19	-421.31	-357.31	192.20	198.15
		616	1001.99	197.21	-286.88	-266.59	176.92	97.02	392.58	250.57	304.46	338.69	-68.91
		628	578.17	222.75	-69.87	-21.76	174.64	108.45	65.96	-112.84	61.03	-107.91	-29.29
		516	1845.42	15.14	-107.45	-65.91	-26.40	58.03	-133.43	-721.72	-600.74	-254.40	237.76
431	1	516	1960.04	12.36	-142.71	-107.11	-23.24	-65.22	-315.48	-807.92	-791.18	-332.23	-89.25
		628	1207.13	339.79	-116.61	-107.11	330.29	-65.17	165.77	-238.21	162.91	-235.35	33.86
		617	1225.80	336.02	-409.64	-403.90	330.29	-65.17	383.01	140.44	382.20	141.26	14.04
		344	1936.52	-12.38	-414.76	-403.90	-23.24	-65.22	63.12	-590.63	-571.90	44.39	-109.07
431	2	516	1663.46	2.18	-142.45	-87.12	-53.16	-70.29	-246.63	-685.00	-679.94	-251.69	-46.83
		628	900.27	218.40	-103.28	-87.12	202.25	-70.26	135.58	-172.68	128.57	-165.67	45.94
		617	931.93	211.53	-329.47	-320.19	202.25	-70.26	306.12	149.87	298.54	157.45	33.56
		344	1693.90	-35.78	-337.56	-320.19	-53.16	-70.29	77.41	-515.94	-509.97	71.44	-59.21
432	1	344	1912.90	86.61	-411.15	-407.10	82.56	-44.68	158.05	-515.62	-505.46	147.89	82.10
		617	1026.75	174.48	-410.54	-407.10	171.05	-44.67	344.53	201.64	336.57	209.59	-32.76
		629	932.62	180.75	-34.65	-24.94	171.05	-44.67	142.31	-219.25	125.05	-201.99	-77.09
		520	1704.29	98.71	-41.09	-24.94	82.56	-44.68	-260.57	-720.11	-716.98	-263.69	37.78
432	2	344	1624.62	14.15	-328.56	-320.74	6.33	-51.16	120.99	-467.81	-505.62	103.81	99.12
		617	761.45	139.29	-326.43	-320.74	133.60	-51.14	240.55	133.50	240.39	133.66	4.11
		629	707.55	149.42	-31.76	-15.94	133.60	-51.14	81.05	-188.86	69.02	-176.84	-55.68
		520	1479.06	47.55	-57.16	-15.94	6.33	-51.16	-203.00	-625.68	-621.99	-206.69	39.33
433	1	520	2043.69	162.11	-182.80	-29.06	8.36	-171.44	-324.71	-830.34	-744.53	-410.53	-189.80

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		629	1253.61	273.74	-126.09	-29.06	176.71	-171.41	119.05	-339.87	118.62	-339.45	13.98
		618	1415.18	221.32	-481.83	-437.21	176.71	-171.41	467.13	149.45	465.52	151.07	-22.59
		350	1928.09	66.69	-495.53	-437.21	8.36	-171.44	170.23	-487.87	-397.63	79.99	-226.37
433	2	520	1801.00	125.31	-171.13	-20.49	-25.34	-148.20	-257.93	-730.74	-670.98	-317.69	-157.11
		629	922.09	192.57	-123.55	-20.49	89.51	-148.18	97.02	-249.09	96.24	-248.30	16.46
		618	1137.83	134.47	-398.80	-353.83	89.51	-148.18	395.80	199.61	395.39	200.03	-9.05
		350	1747.25	31.64	-410.81	-353.83	-25.34	-148.20	190.01	-431.19	-371.83	130.64	-182.63
434	1	350	1994.73	48.84	-449.18	-442.93	42.59	-55.43	162.76	-534.87	-534.86	162.75	-1.86
		618	1823.33	53.31	-449.12	-442.93	47.12	-55.43	696.45	310.29	638.50	368.24	-137.91
		620	1496.43	258.49	32.58	243.95	47.12	-55.43	500.26	-1.24	481.74	17.29	-94.59
		416	1819.39	258.20	28.34	243.95	42.59	-55.43	-184.81	-695.02	-691.63	-188.20	41.47
434	2	350	1686.97	6.56	-360.84	-354.20	-0.09	-48.95	133.35	-467.23	-466.95	133.07	12.81
		618	1409.90	63.93	-359.93	-354.20	58.19	-48.98	533.05	246.79	500.17	279.67	-91.28
		620	1168.08	199.14	41.17	182.11	58.19	-48.98	393.22	-2.69	380.12	10.41	-70.80
		416	1552.00	194.43	-12.40	182.11	-0.09	-48.95	-133.75	-589.45	-587.01	-136.19	33.28
435	1	619	206.09	72.26	-5.46	68.75	-1.95	16.14	7.53	-60.63	-29.68	-23.43	-33.94
		647	66.90	73.84	17.64	68.75	22.73	16.12	-0.42	-12.81	-3.89	-9.34	-5.56
		633	116.25	25.12	-86.08	-83.69	22.73	16.12	29.69	20.32	28.38	21.63	3.25
		605	145.57	1.12	-86.76	-83.69	-1.95	16.14	30.31	-20.18	2.59	7.54	-25.13
435	2	619	158.94	30.54	-9.55	30.09	-9.10	4.23	8.94	-49.51	-27.43	-13.14	-28.34
		647	45.10	30.95	9.39	30.09	10.25	4.22	-1.30	-14.20	-3.92	-11.59	-5.19
		633	86.75	10.56	-46.40	-46.08	10.25	4.22	25.54	10.17	22.37	13.34	-6.22
		605	144.52	-8.62	-46.56	-46.08	-9.10	4.23	35.39	-24.75	-1.14	11.78	-29.37
436	1	605	240.34	37.48	-101.42	-95.22	31.28	-28.69	66.29	-2.78	38.06	25.45	33.96
		633	208.64	-11.52	-108.53	-79.57	-40.48	-44.39	66.19	1.03	4.57	62.65	14.77
		649	992.01	94.63	-54.54	84.10	-44.00	-38.21	345.05	-2.48	8.33	334.24	60.33
		621	851.92	116.95	20.01	102.15	34.81	-34.87	319.78	19.07	41.82	297.03	79.52
436	2	605	151.72	-4.41	-79.83	-61.45	-22.80	-32.38	45.25	21.85	35.47	31.63	11.54
		633	179.30	-6.63	-80.66	-51.78	-35.51	-36.11	48.91	-12.77	-8.04	44.17	16.42
		649	744.75	57.34	-49.47	44.96	-37.09	-34.19	270.41	18.68	24.47	264.61	37.76
		621	655.29	68.23	-34.37	55.08	-21.22	-34.30	257.77	62.29	67.98	252.07	32.88
437	1	621	943.40	82.47	-119.48	73.36	-110.37	41.92	326.27	24.02	27.78	322.51	-33.50
		649	856.74	138.60	31.32	88.48	81.45	53.52	317.71	16.97	16.97	317.71	0.92
		634	332.25	101.26	-98.53	-74.02	76.74	65.55	48.30	-55.32	48.23	-55.25	2.71
		606	301.67	-49.07	-121.45	-64.86	-105.66	29.89	67.57	-58.97	59.04	-50.45	-31.71
437	2	621	512.14	35.13	-76.44	34.77	-76.09	6.27	182.54	29.45	31.39	180.60	-17.15
		649	502.39	42.56	-35.73	41.67	-34.83	8.32	189.20	31.22	31.22	189.20	0.06
		634	187.38	-28.10	-51.80	-43.57	-36.33	11.29	45.36	-34.04	42.24	-30.92	15.43
		606	213.08	-37.65	-74.89	-37.94	-74.59	3.30	42.45	-39.56	42.41	-39.52	-1.78
438	1	606	658.42	22.28	-132.64	-120.80	10.45	-41.15	153.69	-90.69	100.11	-37.11	101.11
		634	304.70	64.70	-108.94	-101.43	57.20	-35.31	76.67	-7.89	58.24	10.54	34.91
		650	661.53	116.05	34.27	94.98	55.34	-35.77	202.68	-57.48	-23.17	168.38	88.02
		622	826.80	127.44	-2.08	113.06	12.30	-40.70	232.15	-92.72	18.71	120.72	154.22
438	2	606	471.32	-28.84	-94.33	-61.39	-61.78	-32.75	127.46	-53.21	83.45	-9.20	77.56
		634	284.54	-21.10	-88.79	-50.92	-58.97	-33.60	71.60	-28.55	31.98	11.06	48.97
		650	613.83	66.62	-68.71	58.26	-60.35	-32.58	189.52	-26.18	5.26	158.09	76.11
		622	638.35	77.00	-68.70	68.70	-60.39	-33.77	209.55	-15.00	56.72	137.83	104.70
439	1	622	686.04	112.08	-86.96	94.10	-68.98	57.06	238.71	19.94	20.36	238.29	9.57
		650	709.46	207.17	59.95	111.10	156.03	70.10	225.66	-8.79	0.39	216.48	45.49
		635	484.28	177.69	-109.71	-82.99	150.97	83.45	43.89	-109.95	39.71	-105.77	25.01
		607	351.59	-24.22	-112.03	-72.33	-63.93	43.70	60.50	-84.78	59.68	-83.96	-10.91
439	2	622	378.87	54.90	-75.76	48.78	-69.64	27.61	135.39	21.94	29.93	127.40	29.04
		650	383.19	66.83	-33.25	57.04	-23.46	29.74	142.98	3.83	23.34	123.47	48.31
		635	360.53	-2.89	-73.95	-51.71	-25.12	32.95	58.43	-88.56	41.01	-71.14	47.51
		607	326.82	-29.33	-83.38	-44.73	-67.97	24.40	54.17	-73.78	47.60	-67.22	28.23
440	1	607	802.72	86.22	-136.47	-131.23	80.97	-33.78	160.36	-141.27	94.23	-75.14	124.80
		635	460.05	140.13	-114.26	-111.43	137.29	-26.70	81.84	-60.84	60.79	-39.79	50.60
		651	527.31	151.12	86.81	102.47	135.46	-27.60	144.24	-77.44	-34.68	101.47	87.47
		623	804.76	139.82	63.85	120.86	82.80	-32.88	197.59	-132.70	-1.24	66.13	161.68
440	2	607	647.77	-9.75	-77.99	-68.71	-19.03	-23.39	150.97	-110.90	84.29	-44.21	114.08
		635	419.18	0.36	-66.91	-57.84	-8.71	-22.97	86.10	-79.15	38.97	-32.02	74.61
		651	537.20	68.49	-16.39	62.11	-10.02	-22.37	151.82	-56.97	-5.28	100.14	90.11
		623	664.73	78.71	-23.69	72.74	-17.72	-23.99	195.77	-67.79	40.04	87.95	129.58
441	1	623	544.81	139.83	-28.65	102.51	8.67	69.96	198.90	10.60	11.11	198.39	9.79
		651	677.96	282.29	77.57	119.67	240.19	82.75	184.20	-24.22	-11.42	171.40	50.03
		636	601.08	261.45	-116.45	-90.39	235.40	95.75	41.82	-132.80	38.63	-129.61	23.37
		608	456.23	40.57	-106.21	-79.10	13.46	56.96	62.89	-104.35	61.17	-102.63	-16.88
441	2	623	316.73	72.04	-34.14	55.71	-17.82	38.30	113.19	2.23	21.76	93.65	42.26
		651	411.96	95.48	9.99	64.71	40.76	41.03	122.87	-24.29	14.76	83.83	64.97
		636	439.73	56.31	-76.36	-58.98	38.94	44.75	61.12	-118.96	41.14	-98.98	56.55
		608	363.95	5.14	-72.58	-51.45	-15.99	34.58	56.04	-97.05	48.15	-89.16	33.84
442	1	608	880.35	161.06	-142.35	-139.08	157.79	-31.33	157.93	-162.95	93.54	-98.56	128.51

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		636	553.06	221.47	-120.92	-119.26	219.81	-23.75	79.47	-80.02	65.22	-65.78	45.49
		652	484.18	223.45	104.66	110.13	217.98	-24.90	108.62	-84.08	-43.85	68.39	78.32
		624	789.53	178.04	110.16	128.58	159.63	-30.18	173.40	-153.32	-15.53	35.61	161.35
442	2	608	754.29	38.64	-85.12	-79.88	33.40	-24.92	159.28	-141.30	85.14	-67.16	129.57
		636	501.20	54.53	-72.73	-68.19	49.99	-23.62	88.34	-102.12	43.66	-57.44	80.70
		652	501.92	84.62	33.57	69.53	48.65	-23.29	131.73	-72.15	-14.37	73.95	91.88
		624	693.49	92.01	23.61	80.88	34.74	-25.25	187.64	-96.30	27.11	64.23	140.75
443	1	624	500.96	166.83	20.49	108.64	78.68	71.62	180.95	4.69	4.84	180.80	-5.10
		652	672.01	335.03	93.50	126.68	301.85	83.14	162.96	-35.50	-22.24	149.70	49.55
		638	690.81	318.23	-136.45	-115.59	297.37	95.12	57.84	-133.87	55.71	-131.74	20.07
		610	578.26	100.66	-120.11	-102.61	83.16	59.65	89.10	-106.94	82.79	-100.64	-34.59
443	2	624	302.11	87.40	-0.93	61.96	24.51	40.00	98.78	-2.39	14.44	81.95	37.67
		652	436.44	119.88	34.28	71.77	82.39	42.47	116.55	-39.71	6.81	70.03	71.45
		638	509.70	93.32	-85.55	-72.80	80.57	46.02	77.41	-121.92	55.77	-100.29	62.01
		610	412.88	39.18	-77.13	-64.29	26.34	36.45	68.48	-93.45	63.40	-88.37	28.23
444	1	610	795.29	171.80	-84.88	-59.38	146.30	-76.79	138.91	-156.07	13.60	-30.76	145.81
		638	767.02	318.91	-143.62	-103.36	278.64	-130.40	82.55	-136.33	28.86	-82.63	94.18
		637	508.37	365.68	134.28	206.65	293.30	-107.28	114.55	-70.04	-41.22	85.73	67.01
		609	806.70	241.15	40.50	150.02	131.63	-99.90	193.84	-112.71	-56.48	137.60	118.64
444	2	610	714.97	45.72	-53.19	-36.65	29.18	-36.91	151.50	-139.08	6.28	6.14	145.29
		638	612.16	111.10	-86.84	-64.34	88.59	-62.83	84.09	-140.25	-13.57	-42.59	111.23
		637	602.36	163.45	57.85	124.77	96.53	-50.88	156.41	-81.05	-47.63	122.99	82.58
		609	793.24	116.38	-3.86	91.29	21.24	-48.86	225.45	-81.51	-27.78	171.72	116.64
445	1	609	769.52	312.08	180.21	281.93	210.36	55.38	273.20	8.68	20.61	261.28	-54.89
		637	698.17	239.15	157.88	174.01	223.03	32.41	102.60	-179.12	-121.02	44.50	113.98
		684	599.76	246.95	-83.48	-75.93	239.40	49.37	157.12	1.05	2.05	156.12	-12.49
		632	1291.55	197.83	-190.19	-186.35	193.98	38.43	472.83	43.75	143.69	372.89	-181.36
445	2	609	498.65	213.06	89.24	188.68	113.62	49.24	176.29	1.93	2.00	176.23	3.36
		637	612.08	131.62	16.18	112.36	35.44	43.04	129.62	-130.17	-88.14	87.59	95.67
		684	478.13	79.20	-83.74	-54.69	50.15	62.37	131.52	-28.31	-18.06	121.27	39.15
		632	616.40	102.84	-129.49	-125.57	98.92	29.90	228.04	53.95	72.07	209.91	-53.17
446	1	632	300.68	156.79	-118.85	-105.51	143.46	59.15	65.97	-2.30	42.84	20.83	-32.32
		684	445.18	363.65	-112.94	-105.51	356.22	59.02	47.42	-19.04	-18.58	46.95	5.54
		682	376.84	364.98	-41.54	-32.79	356.22	59.02	42.98	-9.15	-0.97	34.79	18.97
		612	276.11	161.47	-50.80	-32.79	143.46	59.15	66.61	2.52	60.45	8.68	-18.89
446	2	632	196.36	72.71	-86.16	-75.32	61.86	40.06	48.27	-25.43	29.96	-7.12	31.85
		684	333.40	131.76	-83.05	-75.32	124.02	40.03	60.87	-46.11	-3.01	17.76	52.47
		682	356.06	134.26	-32.46	-22.22	124.02	40.03	70.22	-57.86	6.01	6.35	64.04
		612	263.91	77.90	-38.26	-22.22	61.86	40.06	62.30	-41.85	38.98	-18.53	43.42
447	1	612	484.71	130.55	-33.39	-29.93	127.09	23.59	23.35	-131.42	22.33	-130.40	-12.51
		682	408.21	421.50	-31.14	-29.93	420.29	23.41	13.76	-39.18	11.84	-37.27	9.89
		680	471.64	421.57	-8.06	-6.78	420.29	23.41	47.69	-67.99	22.47	-42.77	47.76
		630	507.78	131.12	-10.82	-6.78	127.09	23.59	36.68	-139.62	32.95	-135.90	25.36
447	2	612	392.65	44.83	-24.10	-20.60	41.34	15.12	30.67	-121.42	15.71	-106.46	45.29
		682	363.50	172.70	-21.78	-20.60	171.53	15.04	50.67	-80.86	12.82	-43.01	59.55
		680	457.31	172.79	-7.07	-5.81	171.53	15.04	79.61	-101.72	20.10	-42.21	85.15
		630	464.91	45.77	-10.24	-5.81	41.34	15.12	54.38	-137.05	22.99	-105.66	70.88
448	1	630	663.23	152.86	-5.87	-5.51	152.50	-7.57	31.15	-192.62	29.83	-191.30	17.15
		680	595.60	416.30	-5.62	-5.50	416.18	-6.97	29.13	-113.00	12.49	-96.36	45.71
		681	709.13	416.28	-106.05	-105.96	416.18	-6.97	100.08	-119.63	37.02	-56.57	99.39
		611	723.94	152.72	-106.18	-105.96	152.50	-7.57	76.38	-173.53	54.37	-151.51	70.83
448	2	630	538.75	48.15	-5.74	-5.28	47.69	-4.93	44.77	-164.03	23.40	-142.66	63.28
		680	525.11	174.01	-5.40	-5.28	173.89	-4.64	63.42	-129.26	11.06	-76.90	85.72
		681	643.41	173.98	-62.16	-62.06	173.89	-4.64	125.80	-128.84	31.66	-34.70	122.92
		611	619.12	47.91	-62.29	-62.06	47.69	-4.93	95.52	-151.99	44.00	-100.47	100.49
449	1	611	796.70	237.75	-70.18	-29.19	196.76	-104.60	142.24	-147.13	-9.57	4.69	144.51
		681	747.59	305.74	-130.31	-82.04	257.47	-136.82	55.46	-156.36	-7.59	-93.31	96.85
		683	502.16	356.27	104.02	190.62	269.67	-119.77	103.78	-76.22	-55.31	82.87	57.67
		613	816.28	282.52	33.50	131.46	184.56	-121.65	220.76	-97.19	-57.29	180.86	105.33
449	2	611	772.84	98.48	-46.83	-20.25	71.90	-56.18	175.29	-133.98	-5.15	46.47	152.47
		681	640.37	109.93	-80.44	-52.74	82.24	-67.12	76.68	-159.38	-38.72	-43.98	118.00
		683	612.20	159.41	38.36	109.46	88.30	-59.59	151.15	-89.85	-61.29	122.59	77.89
		613	840.54	134.59	6.79	75.55	65.83	-63.71	257.32	-72.02	-27.73	213.03	112.36
450	1	613	549.65	254.68	164.21	238.35	180.54	34.80	185.29	-14.09	16.31	154.88	-71.67
		683	799.49	298.92	179.07	179.88	298.12	9.78	156.15	-153.27	-143.81	146.69	53.27
		653	365.46	303.26	-152.06	-151.87	303.07	9.40	63.75	-11.61	19.45	32.69	37.09
		625	772.24	178.69	-223.97	-220.87	175.60	35.18	222.15	-1.69	179.57	40.89	-87.85
450	2	613	352.53	180.03	89.51	160.69	108.85	37.11	118.60	-7.13	-6.85	118.32	-5.86
		683	649.02	140.67	79.70	118.03	102.33	29.46	153.19	-118.89	-101.54	135.84	66.49
		653	463.84	115.50	-107.71	-101.39	109.18	37.04	95.11	-68.90	-6.68	32.89	79.58
		625	345.01	105.50	-147.56	-144.07	102.01	29.53	88.72	14.67	88.00	15.38	7.24
451	1	625	743.98	214.97	-101.48	-81.01	194.50	-77.84	64.86	-179.04	-6.25	-107.92	110.85

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		653	809.20	331.67	-139.24	-106.54	298.96	-119.72	72.57	-156.15	31.91	-115.49	87.45
		642	519.84	362.14	109.86	162.61	309.40	-102.59	107.64	-76.84	-28.80	59.60	80.96
		614	661.20	254.49	56.00	126.42	184.07	-94.97	124.16	-123.95	-66.96	67.17	104.36
451	2	625	694.95	100.24	-74.20	-65.13	91.17	-38.73	94.17	-174.76	-17.72	-62.87	132.56
		653	685.67	159.94	-99.22	-83.72	144.45	-61.45	80.37	-161.52	-4.85	-76.30	115.55
		642	604.14	183.84	70.41	103.51	150.74	-51.57	153.81	-92.14	-39.05	100.73	101.19
		614	712.72	130.82	33.44	79.38	84.88	-48.61	175.57	-113.34	-51.92	114.15	118.20
452	1	614	579.01	271.82	164.19	208.83	227.19	53.03	198.45	37.46	50.61	185.31	-44.09
		642	877.84	352.05	146.15	149.68	348.52	26.70	172.29	-146.79	-133.92	159.42	62.79
		654	415.30	354.62	-175.82	-174.53	353.33	26.10	52.83	-17.91	6.32	28.60	33.57
		626	783.87	228.45	-251.25	-245.18	222.38	53.62	222.77	22.56	190.84	54.49	-73.30
452	2	614	436.29	204.98	112.02	150.25	166.75	45.74	135.95	9.43	11.06	134.32	14.29
		642	728.50	194.75	91.16	104.56	181.35	34.76	160.01	-123.60	-99.99	136.39	78.36
		654	490.57	193.30	-131.47	-126.15	187.98	41.21	83.70	-77.14	-16.02	22.58	78.07
		626	398.30	164.68	-178.33	-173.77	160.12	39.30	97.57	17.97	95.03	20.51	14.00
453	1	626	840.49	301.73	-90.42	-76.86	288.18	-71.64	68.70	-204.09	-17.10	-118.29	126.67
		654	957.68	469.85	-130.56	-100.39	439.68	-131.16	74.61	-184.98	22.84	-133.21	103.72
		643	568.89	489.47	130.67	167.00	453.14	-108.24	92.16	-97.47	-40.19	34.89	87.07
		615	676.52	320.89	81.06	127.22	274.72	-94.56	112.60	-142.93	-80.13	49.81	110.01
453	2	626	769.45	174.99	-69.38	-62.85	168.45	-39.41	93.61	-197.58	-28.22	-75.75	143.64
		654	824.05	302.50	-98.85	-80.16	283.81	-84.58	78.22	-189.75	-14.28	-97.25	127.40
		643	594.16	316.71	95.31	118.08	293.94	-67.26	138.74	-103.87	-48.62	83.50	101.74
		615	702.47	190.00	56.73	88.41	158.32	-56.73	165.93	-123.48	-62.56	105.00	117.99
454	1	615	579.03	331.61	172.62	175.02	329.21	19.39	165.61	15.57	31.55	149.63	-46.28
		643	922.60	538.70	121.12	121.82	538.00	-17.09	131.17	-169.81	-151.99	113.35	71.05
		655	509.82	539.32	-185.67	-184.70	538.35	-26.53	21.81	-37.75	2.01	-17.95	28.05
		627	886.51	330.28	-259.48	-258.07	328.86	28.84	224.25	-20.37	185.55	18.33	-89.27
454	2	615	427.82	253.54	129.05	132.23	250.36	19.65	110.10	-3.32	-3.20	109.99	3.61
		643	761.13	344.36	89.32	89.33	344.36	-0.72	128.33	-143.14	-117.39	102.58	79.55
		655	425.14	347.53	-139.13	-139.12	347.53	-1.68	51.59	-81.35	-17.02	-12.74	66.43
		627	505.38	248.16	-192.37	-191.40	247.19	20.62	98.04	-6.21	97.17	-5.33	-9.51
455	1	627	901.31	355.76	-71.90	-49.49	333.35	-95.30	35.30	-228.48	-26.81	-166.37	111.92
		655	1154.20	650.89	-119.40	-65.69	597.18	-196.18	52.05	-225.55	14.46	-187.96	94.98
		644	617.81	670.12	131.45	184.23	617.33	-160.15	47.52	-89.35	-35.43	-6.41	66.88
		616	597.31	383.55	68.06	138.41	313.20	-131.32	64.83	-126.34	-76.70	15.18	83.83
455	2	627	770.64	218.69	-54.55	-42.56	206.70	-55.97	57.16	-207.70	-34.31	-116.23	125.93
		655	955.52	464.13	-91.64	-54.08	426.57	-139.52	49.15	-211.56	-18.15	-144.26	114.09
		644	520.22	478.41	101.75	137.17	443.00	-109.93	94.99	-86.75	-43.15	51.38	77.61
		616	582.48	242.13	49.14	101.01	190.27	-85.56	123.24	-103.14	-59.30	79.41	89.45
456	1	616	577.09	337.36	143.56	145.95	334.97	-21.39	149.44	-25.47	29.43	94.54	-81.17
		644	811.56	617.73	98.58	106.63	609.68	-64.15	76.40	-155.29	-148.24	69.35	39.80
		656	537.22	613.74	-152.73	-143.78	604.80	-82.30	10.82	-20.10	8.70	-17.98	7.81
		628	922.30	339.88	-210.62	-210.60	339.86	-3.24	241.11	-47.53	186.37	7.21	-113.15
456	2	616	371.78	260.41	108.49	109.16	259.74	-10.09	82.88	-18.21	-2.98	67.65	-36.17
		644	658.61	434.05	73.17	77.26	429.96	-38.20	78.84	-127.08	-115.75	67.52	46.95
		656	426.87	432.39	-116.72	-112.47	428.15	-48.11	30.61	-49.71	-6.19	-12.91	40.02
		628	564.13	261.55	-161.54	-161.54	261.55	-0.19	120.51	-26.71	106.58	-12.78	-43.09
457	1	628	809.77	375.30	-153.23	-138.37	360.44	-87.37	56.73	-157.09	27.77	-128.13	73.17
		656	866.46	572.83	-149.10	-138.37	562.10	-87.34	68.44	-117.80	68.42	-117.79	1.43
		645	414.12	579.08	112.92	129.90	562.10	-87.34	-23.57	-46.48	-42.38	-27.67	8.79
		617	574.41	389.81	100.53	129.90	360.44	-87.37	23.10	-144.14	-83.03	-38.01	80.53
457	2	628	712.27	238.35	-122.99	-110.77	226.12	-65.33	83.00	-143.59	30.43	-91.02	95.65
		656	713.91	436.86	-118.56	-110.77	429.07	-65.31	51.19	-110.80	41.74	-101.35	37.97
		645	360.13	441.61	88.88	101.42	429.07	-65.31	25.80	-48.93	-41.65	18.51	22.16
		617	480.57	254.08	73.46	101.42	226.12	-65.33	77.65	-101.76	-52.96	28.84	79.84
458	1	617	601.89	197.36	112.48	114.97	194.87	14.34	156.67	-84.37	-24.92	97.23	-103.90
		645	585.17	479.48	114.41	114.97	478.91	14.38	75.52	-74.63	-72.20	73.09	-18.95
		657	904.65	479.24	-150.14	-149.81	478.91	14.38	52.68	-170.25	43.68	-161.25	-43.88
		629	952.12	195.46	-150.41	-149.81	194.87	14.34	148.97	-195.12	90.96	-137.11	-128.83
458	2	617	387.15	155.02	89.22	92.13	152.11	13.53	83.30	-77.32	-37.29	43.27	-69.48
		645	360.61	349.06	91.42	92.13	348.35	13.56	29.80	-54.29	-54.25	29.77	-1.70
		657	711.42	348.74	-120.43	-120.03	348.35	13.56	42.58	-136.28	40.91	-134.61	-17.18
		629	707.78	152.78	-120.71	-120.03	152.11	13.53	91.78	-155.02	57.88	-121.11	-84.96
459	1	629	887.45	258.88	-220.51	-167.93	206.30	-149.81	55.09	-202.02	45.75	-192.68	48.12
		657	788.79	222.92	-225.35	-167.93	165.49	-149.81	82.99	-173.97	80.96	-171.94	-22.73
		646	276.60	330.81	29.73	195.05	165.49	-149.81	-24.09	-46.70	-24.10	-46.69	-0.43
		618	583.52	350.59	50.76	195.05	206.30	-149.81	7.16	-133.89	-59.31	-67.43	70.41
459	2	629	704.38	159.68	-181.49	-135.26	113.45	-116.77	64.63	-152.15	45.92	-133.44	60.87
		657	613.73	176.88	-178.94	-135.26	133.21	-116.76	51.39	-135.18	51.36	-135.15	2.38
		646	217.53	264.21	29.13	160.14	133.21	-116.76	25.91	-28.49	-28.48	25.90	-0.83
		618	446.57	255.87	17.71	160.14	113.45	-116.77	62.21	-68.51	-33.92	27.62	57.66
460	1	618	656.24	178.46	55.67	172.45	61.68	26.50	222.81	-25.85	48.30	148.65	-113.76

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		646	495.68	175.36	-69.53	172.45	-66.62	26.57	55.71	-104.66	-94.63	45.67	38.85
		648	267.95	-57.01	-140.15	-130.55	-66.62	26.57	76.40	10.08	57.12	29.36	-30.11
		620	1026.44	65.27	-134.13	-130.55	61.68	26.50	352.02	-19.64	200.05	132.34	-182.72
460	2	618	558.06	154.40	60.97	145.19	70.18	27.85	173.35	-43.71	20.96	108.67	-99.27
		646	402.93	148.71	-76.22	145.19	-72.70	27.94	47.94	-75.76	-71.46	43.64	22.67
		648	225.02	-59.60	-132.29	-119.19	-72.70	27.94	62.91	17.21	49.76	30.36	-20.68
		620	797.25	74.19	-123.20	-119.19	70.18	27.85	263.32	-25.75	142.18	95.39	-142.63
461	1	711	830.10	48.38	-173.76	-170.74	45.36	25.72	44.14	-235.92	-233.15	41.36	27.73
		393	968.74	-126.70	-219.38	-194.35	-151.73	41.14	39.17	-317.53	-312.19	33.83	-43.32
		158	1075.69	144.66	-154.34	139.95	-149.62	37.24	-97.46	-393.43	-388.14	-102.75	-39.19
		698	807.71	128.05	32.90	117.71	43.25	29.62	-90.57	-313.74	-309.10	-95.21	31.86
461	2	711	1045.62	34.69	-419.42	-148.58	-236.15	222.79	345.50	100.43	303.52	142.41	-92.33
		393	1625.12	182.71	-266.39	-150.22	66.54	196.67	-191.94	-663.96	-638.31	-217.59	-107.00
		158	2269.34	201.48	-246.32	-112.85	68.01	204.82	223.57	-688.80	-589.37	124.13	-284.31
		698	1972.66	45.89	-400.12	-116.61	-237.61	214.64	695.87	140.73	352.46	484.13	-269.65
462	1	736	124.02	2.64	-45.64	-1.10	-41.90	12.91	36.41	3.36	6.55	33.22	-9.76
		711	278.49	44.26	-12.91	-3.72	35.06	21.00	-18.97	-107.94	-59.23	-67.68	44.28
		698	202.47	39.98	-44.93	-40.75	35.80	18.37	73.84	2.47	19.97	56.33	-30.71
		722	564.88	-27.83	-58.94	-44.14	-42.63	15.54	213.47	29.52	85.76	157.23	-84.74
462	2	736	383.87	242.99	121.35	143.78	220.55	-47.17	34.02	-113.47	-17.27	-62.18	-70.25
		711	1445.02	147.84	-260.24	125.45	-237.85	-92.93	523.41	63.94	362.47	224.88	-219.20
		698	1281.66	-46.57	-270.93	-79.50	-238.00	-79.40	497.04	234.29	236.42	494.90	-23.59
		722	1122.54	232.03	-104.63	-93.30	220.70	-60.70	248.00	-183.48	-143.32	207.85	125.36
463	1	698	1433.29	151.06	-351.19	117.21	-317.33	125.93	357.10	-119.79	-113.67	350.98	-53.67
		158	1890.25	153.91	-267.85	114.42	-228.36	122.87	228.61	-485.35	-482.94	226.20	-41.41
		469	1633.43	98.84	-272.83	54.31	-228.30	120.69	73.16	-506.84	-476.84	43.16	-128.44
		713	1177.21	91.08	-357.56	50.90	-317.38	128.11	227.10	-166.73	-107.57	167.94	-140.71
463	2	698	2531.61	610.28	-107.30	-58.84	561.82	180.08	-240.39	-895.63	-390.09	-745.93	-275.10
		158	1742.18	300.41	-160.75	-57.84	197.50	192.01	187.88	-435.41	-7.46	-240.07	-289.13
		469	1184.78	320.80	-133.45	-11.21	198.56	201.46	231.60	-171.34	15.04	45.23	200.90
		713	1608.96	608.04	-54.97	-7.69	560.75	170.63	-194.20	-634.03	-367.59	-460.64	214.94
464	1	722	1133.20	4.12	-179.79	-84.48	-91.19	91.90	423.14	38.41	39.76	421.78	-22.83
		698	1465.80	-71.42	-378.45	-95.36	-354.51	82.32	516.99	140.39	161.30	496.09	-86.23
		713	576.40	115.88	-363.62	104.34	-352.08	73.50	119.45	17.81	20.31	116.94	-15.75
		738	460.57	139.56	-137.13	96.05	-93.62	100.72	56.99	-115.57	-101.22	42.63	47.65
464	2	722	1660.81	-4.42	-58.67	-52.11	-10.98	-17.69	85.15	-569.31	78.17	-562.32	67.27
		698	2101.43	536.93	-52.49	-52.47	536.91	3.72	-218.29	-737.65	-223.05	-732.88	49.52
		713	1441.91	535.55	18.10	18.94	534.71	20.78	-153.84	-484.92	-208.79	-429.96	-123.19
		738	1003.82	38.63	-34.27	13.15	-8.79	-34.76	121.60	-288.57	92.42	-259.39	-105.44
465	1	713	963.80	69.97	-203.35	69.27	-202.65	13.88	53.14	-281.44	-274.30	46.00	-48.34
		469	1355.34	63.83	-327.16	62.24	-325.57	24.87	149.80	-337.36	-321.47	133.91	-86.54
		159	1191.43	203.71	-326.16	202.81	-325.27	21.72	-97.36	-405.75	-403.48	-99.63	26.36
		699	992.74	197.52	-203.67	196.79	-202.95	17.03	-165.68	-378.18	-356.32	-187.54	64.56
465	2	713	1256.34	187.27	-287.37	-41.91	-58.20	237.18	248.23	-188.70	142.67	-83.14	187.03
		469	1601.41	426.65	-124.51	-38.29	340.44	200.21	-244.82	-637.34	-477.16	-404.99	192.91
		159	1503.52	429.01	-171.79	-84.63	341.85	211.59	178.93	-389.14	-371.24	161.03	-99.25
		699	1371.70	154.18	-298.09	-84.29	-59.61	225.80	523.14	208.34	248.59	482.88	-105.13
466	1	738	338.18	79.28	-414.96	78.42	-414.10	-20.66	15.19	-18.92	-8.99	5.26	-15.49
		713	346.57	73.36	-218.76	73.35	-218.75	1.78	-11.53	-95.19	-82.95	-23.77	29.57
		699	308.41	-44.43	-216.97	-44.60	-216.80	-5.45	-2.24	-68.22	-3.00	-67.45	7.08
		723	513.11	-51.52	-416.54	-52.01	-416.05	-13.43	82.85	-50.31	70.95	-38.42	-37.98
466	2	738	906.36	386.56	5.36	6.91	385.01	24.27	-126.39	-293.55	-143.50	-276.44	-50.66
		713	677.53	11.61	-90.72	3.18	-82.29	-28.13	98.42	-165.65	90.28	-157.51	-45.66
		699	1340.49	-19.50	-87.15	-21.69	-84.96	-11.98	544.43	167.41	186.89	524.95	83.45
		723	1463.36	387.84	-19.99	-19.83	387.68	8.11	419.22	-60.09	-46.88	406.02	78.45
467	1	699	1226.18	184.81	-513.13	183.62	-511.94	28.86	172.65	-183.11	-179.30	168.84	-36.61
		159	1684.24	177.85	-358.00	176.87	-357.02	22.96	41.13	-513.14	-511.75	39.74	27.71
		474	1354.90	47.92	-357.63	47.03	-356.74	18.92	25.10	-430.87	-419.22	13.45	-71.95
		714	1103.70	40.97	-514.17	39.01	-512.21	32.90	205.98	-150.21	-86.77	142.55	-136.28
467	2	699	1894.82	757.20	-115.03	-41.20	683.37	242.78	-268.94	-614.22	-334.59	-548.58	-135.49
		159	1345.03	476.61	-165.77	-40.40	351.25	254.59	175.77	-241.70	65.31	-131.24	-184.15
		474	1324.65	493.59	-141.02	0.21	352.36	263.97	248.64	-173.23	20.83	54.58	210.26
		714	1705.91	754.79	-68.80	3.73	682.27	233.40	-111.86	-629.97	-379.07	-362.76	258.92
468	1	723	960.65	-60.07	-412.90	-61.52	-411.45	22.56	279.38	34.80	36.64	277.54	-21.12
		699	1232.07	-69.81	-534.41	-70.50	-533.72	17.99	385.94	106.09	133.85	358.18	-83.66
		714	506.20	88.50	-532.25	88.22	-531.96	13.27	45.03	0.39	0.53	44.89	-2.47
		739	496.16	82.17	-414.71	80.66	-413.20	27.27	1.14	-133.57	-96.68	-35.74	60.07
468	2	723	1386.23	61.88	-2.67	-0.48	59.69	11.68	118.88	-439.27	79.30	-399.70	143.25
		699	1830.10	644.55	0.24	2.30	642.49	36.38	-122.89	-596.41	-158.88	-560.42	125.48
		714	1209.10	644.25	17.75	22.86	639.15	56.34	-140.24	-348.71	-149.57	-339.39	-43.09
		739	668.20	64.53	17.26	18.75	63.03	-8.27	91.00	-181.05	88.62	-178.67	-25.32
469	1	714	992.55	98.56	-341.98	79.91	-323.33	-88.70	19.71	-293.22	-292.24	18.72	-17.53

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		474	1064.86	89.76	-370.48	73.04	-353.76	-86.12	123.34	-241.14	-233.74	115.95	-51.39
		103	1013.07	220.10	-366.15	207.00	-353.06	-86.64	-112.37	-336.81	-320.50	-128.68	58.27
		700	1137.80	214.85	-338.46	200.42	-324.03	-88.18	-182.67	-422.22	-379.00	-225.90	92.12
469	2	714	1578.55	270.39	-300.47	-38.45	8.37	284.47	358.38	-185.41	175.42	-2.46	256.94
		474	1825.18	496.89	-149.20	-34.51	382.20	246.87	-203.82	-688.81	-528.64	-364.00	228.09
		103	1738.47	498.90	-195.97	-80.77	383.70	258.42	164.68	-485.34	-470.54	149.88	-96.96
		700	1334.99	239.59	-313.18	-80.46	6.86	272.92	527.22	217.71	233.51	511.42	-68.12
470	1	739	495.51	73.88	-587.29	64.17	-577.58	-79.52	-13.65	-41.19	-15.27	-39.58	6.48
		714	419.10	64.77	-320.53	58.97	-314.73	-46.91	-15.92	-129.42	-81.52	-63.83	56.06
		700	512.78	-50.01	-324.50	-62.57	-311.94	-57.37	20.83	-124.45	8.80	-112.41	40.04
		724	721.34	-62.26	-589.58	-71.47	-580.38	-69.06	75.60	-88.72	75.04	-88.17	-9.54
470	2	739	769.37	417.19	-3.59	-0.25	413.86	37.29	-116.55	-226.09	-117.41	-225.23	9.66
		714	574.11	4.34	-36.82	-3.92	-28.56	-16.49	117.11	-125.99	116.27	-125.14	14.29
		700	1449.88	-21.47	-31.67	-21.47	-31.67	0.14	604.65	180.57	216.24	568.99	117.70
		724	1651.69	417.96	-19.92	-18.95	416.98	20.66	493.90	-42.44	-17.44	468.90	113.06
471	1	700	1190.07	197.62	-555.22	195.91	-553.51	-35.83	132.75	-195.16	-195.05	132.64	-5.96
		103	1491.15	191.51	-317.49	187.40	-313.38	-45.55	18.85	-456.37	-445.08	7.56	72.38
		482	1069.41	39.17	-321.10	31.37	-313.30	-52.44	17.56	-340.33	-337.11	14.34	-33.81
		715	1013.06	22.01	-555.05	20.55	-553.60	-28.93	185.55	-133.21	-87.07	139.42	-112.15
471	2	700	1876.91	791.00	-145.09	-41.78	687.69	293.32	-285.47	-600.19	-353.32	-532.34	-129.42
		103	1319.10	528.99	-204.75	-40.68	364.93	305.72	111.25	-265.86	-25.44	-129.17	-181.28
		482	1400.78	548.97	-178.45	4.42	366.10	315.56	203.20	-223.66	-69.80	49.34	204.95
		715	1768.25	789.42	-94.31	8.60	686.51	283.47	-118.01	-633.50	-397.67	-353.83	256.81
472	1	724	871.48	-68.12	-461.57	-68.24	-461.45	-6.87	238.31	45.93	45.98	238.26	3.22
		700	1124.38	-77.83	-563.76	-78.07	-563.52	-10.82	344.39	123.21	144.58	323.02	-65.35
		715	501.41	84.09	-562.00	83.73	-561.64	-15.24	44.68	-3.71	5.70	35.27	19.16
		740	582.42	75.31	-463.34	75.30	-463.33	-2.44	19.17	-161.56	-92.89	-49.49	87.72
472	2	724	1379.10	75.92	-17.22	-5.96	64.66	30.36	183.82	-394.69	116.69	-327.55	185.28
		700	1749.31	637.09	-8.81	-3.82	632.11	56.54	-76.75	-558.73	-125.27	-510.22	145.02
		715	1264.74	638.26	26.72	36.71	628.28	77.49	-144.46	-373.18	-156.92	-360.72	-51.91
		740	651.80	70.72	28.74	30.97	68.49	9.41	85.55	-178.58	85.03	-178.06	-11.65
473	1	715	984.63	109.92	-347.56	69.55	-307.19	-129.77	22.43	-285.09	-284.77	22.11	9.86
		482	879.69	100.93	-357.30	60.94	-317.31	-129.33	123.55	-169.97	-166.32	119.90	-32.53
		88	936.22	249.71	-345.72	220.26	-316.28	-129.09	-116.41	-307.28	-275.48	-148.20	71.12
		701	1241.37	242.45	-338.91	211.76	-308.21	-130.01	-184.48	-455.45	-393.94	-245.99	113.51
473	2	715	1631.92	295.29	-362.42	-42.68	-24.45	328.73	340.58	-203.70	140.36	-3.48	262.47
		482	2012.44	467.06	-210.05	-39.65	296.66	293.84	-224.33	-750.34	-603.32	-371.35	236.05
		88	1862.51	470.97	-238.80	-66.05	298.23	304.58	172.65	-545.36	-533.38	160.67	-91.97
		701	1409.71	272.32	-364.97	-66.64	-26.01	317.99	541.51	197.33	210.30	528.53	-65.55
474	1	740	512.01	79.58	-578.69	63.70	-562.81	-101.00	10.17	-66.95	-9.37	-47.40	33.54
		715	519.52	69.13	-298.06	57.63	-286.56	-63.97	9.89	-159.78	-74.01	-75.87	84.83
		701	597.23	-50.56	-307.91	-75.34	-283.12	-75.92	41.70	-161.43	19.51	-139.24	63.36
		725	771.60	-69.94	-582.22	-85.91	-566.24	-89.05	84.90	-111.51	84.15	-110.77	12.08
474	2	740	758.18	388.93	3.46	8.72	383.68	44.71	-110.64	-230.52	-113.44	-227.72	18.11
		715	629.24	6.71	-76.97	3.86	-74.11	-15.19	118.69	-135.15	116.38	-132.83	24.11
		701	1529.56	-23.39	-78.08	-23.59	-77.88	3.33	627.64	187.12	223.81	590.94	121.73
		725	1693.28	389.11	-22.70	-21.03	387.44	26.19	521.44	-31.40	-6.01	496.05	115.72
475	1	701	1150.33	218.18	-512.26	213.68	-507.76	-57.18	105.89	-209.88	-209.62	105.64	8.92
		88	1407.41	213.11	-274.61	203.48	-264.99	-67.83	8.01	-433.42	-408.93	-16.48	101.05
		478	923.20	50.15	-282.79	32.18	-264.82	-75.24	22.78	-284.97	-284.72	22.52	-8.85
		716	961.31	23.96	-512.58	19.30	-507.93	-49.77	182.68	-123.45	-85.41	144.65	-100.98
475	2	701	1879.48	758.68	-162.64	-28.39	624.42	325.07	-297.11	-611.41	-382.63	-525.90	-139.87
		88	1302.77	475.30	-258.45	-27.69	244.54	340.69	82.46	-283.22	-80.88	-119.87	-181.80
		478	1473.21	502.86	-239.78	16.91	246.17	353.19	209.44	-243.19	-107.54	73.79	207.36
		716	1778.06	755.88	-111.30	21.79	622.79	312.57	-118.52	-623.00	-409.29	-332.23	249.28
476	1	725	792.41	-79.36	-403.34	-79.63	-403.07	-9.35	228.38	57.83	61.31	224.89	24.14
		701	1036.39	-91.50	-514.97	-91.95	-514.51	-13.86	323.47	137.88	154.97	306.38	-53.66
		716	473.26	96.86	-512.71	96.26	-512.11	-19.18	45.37	-12.00	3.17	30.20	25.30
		741	614.78	85.74	-405.50	85.71	-405.47	-4.02	34.06	-175.83	-90.49	-51.29	103.10
476	2	725	1359.54	35.16	-47.65	-15.12	2.63	40.45	207.81	-363.02	132.11	-287.32	193.60
		701	1613.15	564.82	-21.73	-13.71	556.80	68.10	-64.99	-521.84	-113.26	-473.57	140.43
		716	1228.94	568.02	30.69	46.23	552.48	90.03	-148.76	-377.93	-166.20	-360.49	-60.77
		741	613.91	47.21	-1.57	38.69	6.94	18.52	79.40	-174.46	79.17	-174.24	-7.61
477	1	716	990.04	140.08	-305.61	75.27	-240.80	-157.11	23.41	-292.14	-291.35	22.62	15.77
		478	758.38	127.49	-320.33	64.06	-256.90	-156.15	139.09	-112.40	-108.99	135.68	-29.07
		111	908.64	302.29	-299.17	258.71	-255.59	-155.93	-86.84	-279.71	-229.08	-137.46	84.86
		702	1349.10	293.88	-288.30	247.69	-242.11	-157.34	-178.35	-483.61	-411.44	-250.52	129.70
477	2	716	1630.05	275.97	-421.42	-30.96	-114.48	346.19	322.21	-208.06	103.76	10.39	260.99
		478	2074.32	409.62	-248.78	-28.11	188.95	310.79	-218.09	-768.10	-622.76	-363.43	242.52
		111	1909.12	414.66	-271.32	-47.33	190.67	321.69	225.30	-548.68	-536.55	213.17	-96.12
		702	1630.96	254.70	-419.30	-48.41	-116.20	335.29	601.63	175.32	189.96	586.98	-77.65
478	1	741	461.60	98.07	-497.35	77.60	-476.87	-108.49	40.75	-73.48	-0.72	-32.01	54.93

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		716	605.84	85.15	-231.33	68.60	-214.78	-70.45	32.98	-179.28	-68.05	-78.25	106.01
		702	583.12	-58.12	-255.78	-103.23	-210.67	-82.95	46.26	-172.14	27.86	-153.75	60.65
		727	714.83	-93.35	-504.75	-117.12	-480.98	-95.99	95.65	-107.96	95.20	-107.51	9.58
478	2	741	697.70	313.48	9.05	13.77	308.76	37.62	-131.33	-225.81	-132.71	-224.42	11.36
		716	649.88	13.96	-174.25	9.18	-169.48	-29.60	129.99	-109.03	128.02	-107.06	21.61
		702	1736.57	-2.15	-174.67	-2.59	-174.23	-8.72	687.95	200.26	249.63	638.57	147.11
		727	1739.89	314.40	0.81	1.71	313.51	16.74	554.34	-44.23	-11.10	521.21	136.87
479	1	702	1301.38	266.41	-474.02	260.71	-468.32	-64.72	132.81	-244.54	-241.62	129.89	33.05
		111	1310.97	253.29	-251.67	241.50	-239.88	-76.25	-65.72	-445.89	-359.98	-151.63	158.99
		87	919.43	110.44	-258.43	90.66	-238.65	-83.09	37.82	-260.93	-260.93	37.82	0.09
		346	1516.01	74.67	-475.71	68.51	-469.55	-57.87	351.40	-174.64	-142.57	319.33	-125.85
479	2	702	2631.54	806.89	-192.45	1.95	612.49	395.57	-309.53	-890.19	-398.18	-801.54	-208.84
		111	1807.06	493.79	-350.88	-0.29	143.19	416.20	160.02	-401.14	-153.41	-87.72	-278.65
		87	1251.35	515.25	-361.47	7.91	145.87	432.90	132.36	-217.33	-168.19	83.22	121.53
		346	1863.77	793.42	-171.96	11.65	609.82	378.87	-301.67	-741.89	-412.96	-630.60	191.33
480	1	727	686.46	-107.18	-259.84	-108.82	-258.20	15.75	218.57	34.81	35.15	218.23	7.96
		702	1245.37	-136.20	-484.07	-136.31	-483.96	6.30	422.36	195.66	217.58	400.43	-67.00
		346	737.88	96.16	-478.52	96.11	-478.47	-5.45	206.12	110.72	131.94	184.90	39.68
		726	590.12	74.93	-265.92	72.69	-263.69	27.50	93.78	-141.58	-50.49	2.69	114.64
480	2	727	1621.23	-1.85	-40.92	-4.37	-38.40	9.60	399.14	-293.38	165.91	-60.15	327.29
		702	1996.41	533.07	0.78	3.67	530.18	39.16	-84.34	-677.30	-143.66	-617.98	177.92
		346	2295.74	531.63	-24.25	-16.84	524.22	63.74	-199.14	-815.13	-264.64	-749.63	-189.88
		726	628.08	-9.45	-42.21	-19.22	-32.45	-14.98	51.67	-198.55	44.93	-191.81	-40.51
481	1	726	426.56	92.08	-376.51	91.48	-375.91	-16.75	86.15	9.36	39.22	56.28	37.44
		346	550.38	92.19	-307.87	91.48	-307.17	-16.79	121.44	7.73	7.73	121.44	0.67
		749	373.68	2.60	-308.08	1.69	-307.17	-16.79	27.64	-88.47	-45.65	-15.17	56.02
		750	606.48	2.43	-376.66	1.69	-375.91	-16.75	51.26	-145.75	-14.16	-80.33	92.78
481	2	726	816.14	94.13	-68.85	-56.49	81.76	43.15	-4.72	-284.19	-8.37	-280.53	31.75
		346	860.17	186.45	-64.13	-56.49	178.80	43.09	-85.68	-321.57	-111.67	-295.57	73.87
		749	433.59	189.59	6.59	17.38	178.80	43.09	5.43	-146.76	-45.27	-96.06	71.73
		750	374.16	103.41	-4.27	17.38	81.76	43.15	64.07	-87.06	58.03	-81.02	29.61
482	1	346	672.64	122.03	-343.97	82.53	-304.46	-129.80	-19.82	-199.35	-197.95	-21.22	-15.78
		87	898.02	136.32	-231.02	82.53	-177.22	-129.88	43.22	-266.64	-264.74	41.32	-24.22
		305	1110.61	115.76	-234.79	58.18	-177.22	-129.88	149.00	-260.31	-259.02	147.71	22.97
		749	901.77	99.85	-346.14	58.18	-304.46	-129.80	88.68	-195.74	-192.23	85.17	31.41
482	2	346	866.10	410.85	-188.56	36.32	185.97	290.21	-178.49	-311.72	-238.45	-251.75	66.28
		87	1039.46	296.04	-288.25	36.32	-28.53	290.34	-20.72	-310.54	-253.69	-77.56	115.08
		305	1499.58	297.31	-287.23	38.62	-28.54	290.34	153.79	-354.98	-203.19	2.01	232.78
		749	1258.17	411.71	-187.13	38.62	185.97	290.21	4.08	-364.22	-187.95	-172.18	183.98
483	1	749	838.07	130.09	-261.62	62.60	-194.13	-147.92	-6.72	-249.88	-227.30	-29.29	70.57
		305	923.39	126.83	-278.02	62.60	-213.80	-147.90	16.84	-267.96	-254.97	3.85	59.42
		316	903.76	120.44	-279.25	54.99	-213.80	-147.90	-27.61	-287.51	-265.99	-49.12	71.62
		747	839.85	123.80	-262.95	54.99	-194.13	-147.92	-46.55	-274.04	-238.33	-82.27	82.76
483	2	749	1084.14	245.63	-263.53	26.13	-44.03	252.15	141.61	-199.66	-23.22	-34.83	170.54
		305	1408.25	262.38	-242.94	26.13	-6.69	252.13	-51.98	-473.48	-370.21	-155.25	181.28
		316	1315.28	265.25	-240.45	31.49	-6.69	252.13	-3.76	-423.85	-355.63	-71.98	154.93
		747	962.44	248.69	-261.23	31.49	-44.03	252.15	166.89	-127.08	-8.64	48.45	144.19
484	1	750	602.99	14.49	-379.60	8.28	-373.38	-49.11	34.08	-133.81	12.17	-111.90	56.55
		749	469.67	19.32	-211.01	8.28	-199.96	-49.21	24.32	-132.47	-77.57	-30.58	74.79
		747	607.85	20.95	-210.93	9.99	-199.96	-49.21	56.22	-168.88	-69.83	-42.82	111.74
		729	717.84	16.18	-379.57	9.99	-373.38	-49.11	65.91	-170.14	19.91	-124.14	93.50
484	2	750	197.46	122.32	-10.05	5.44	106.82	42.55	10.90	-56.75	-2.25	-43.60	26.77
		749	550.47	29.69	-69.53	5.44	-45.27	42.64	74.98	-135.12	21.27	-81.40	91.65
		747	468.74	54.30	-63.53	36.04	-45.27	42.64	170.97	16.59	76.96	110.60	75.33
		729	421.30	126.78	16.09	36.04	106.82	42.55	149.54	52.31	53.45	148.40	10.45
485	1	747	960.15	150.71	-245.66	59.09	-154.04	-167.10	-51.77	-318.71	-279.20	-91.28	94.79
		316	800.16	143.83	-270.35	59.09	-185.61	-167.08	-22.42	-242.73	-225.11	-40.04	59.76
		303	834.84	163.01	-265.69	82.93	-185.61	-167.08	-121.41	-296.54	-254.61	-163.35	74.73
		745	1034.21	169.29	-240.40	82.93	-154.04	-167.10	-142.22	-381.07	-308.70	-214.59	109.76
485	2	747	1179.16	225.91	-404.81	19.79	-198.69	295.84	333.19	-23.66	92.03	217.50	167.03
		316	1461.38	284.03	-311.23	19.79	-46.99	295.75	-62.61	-500.89	-441.90	-121.60	149.58
		303	1292.78	278.98	-315.32	10.65	-46.99	295.75	12.39	-441.36	-433.93	4.95	57.62
		745	974.73	219.79	-407.83	10.65	-198.69	295.84	365.30	78.76	100.01	344.06	75.07
486	1	729	695.10	28.34	-329.01	15.89	-316.56	-65.55	49.68	-176.99	19.54	-146.84	76.97
		747	708.19	37.84	-180.42	15.89	-158.48	-65.64	10.63	-248.05	-85.28	-152.13	124.95
		745	687.95	68.86	-177.43	49.91	-158.48	-65.64	52.40	-207.27	-54.85	-100.02	127.86
		705	637.12	61.28	-327.93	49.91	-316.56	-65.55	85.40	-130.15	49.97	-94.73	79.88
486	2	729	413.53	148.09	29.38	29.66	147.81	5.79	112.99	-17.01	-16.67	112.66	6.55
		747	575.47	29.82	-192.78	29.66	-192.62	5.99	216.59	113.53	151.01	179.11	49.58
		745	1092.35	108.36	-192.74	108.24	-192.62	5.99	422.41	178.50	199.32	401.58	68.16
		705	932.10	148.64	107.41	108.24	147.81	5.79	337.21	29.57	31.64	335.14	25.13
487	1	745	1295.40	289.59	-255.47	63.78	-29.66	-268.50	-189.13	-468.60	-405.15	-252.58	117.08

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		303	653.00	253.03	-361.03	78.18	-186.17	-277.13	6.88	-137.51	-132.89	2.26	25.42
		293	1104.17	392.03	-317.74	262.36	-188.08	-274.26	-120.32	-368.07	-210.27	-278.13	119.14
		746	1930.05	435.97	-186.54	277.18	-27.75	-271.36	-295.46	-720.04	-482.53	-532.97	210.79
487	2	745	2718.85	185.19	-697.67	13.52	-526.00	349.42	1013.49	134.28	211.46	936.31	248.79
		303	1422.93	377.24	-374.93	20.90	-18.60	375.56	-127.30	-502.63	-471.65	-158.27	103.27
		293	2455.44	416.96	-329.39	106.52	-18.95	367.87	165.10	-684.05	-524.89	5.94	-331.39
		746	3374.64	272.37	-685.46	112.56	-525.65	357.11	1135.86	122.88	158.22	1100.53	-185.87
488	1	705	486.18	65.37	-268.65	55.82	-259.11	-55.65	41.19	-130.00	-38.24	-50.57	85.37
		745	1476.14	98.66	-106.84	75.41	-83.59	-65.10	69.88	-511.17	-26.29	-415.00	215.94
		746	689.79	-59.14	-233.87	-207.42	-85.58	-62.62	73.70	-186.84	70.90	-184.04	26.86
		728	700.56	-155.24	-290.27	-188.40	-257.11	-58.12	239.84	-0.51	58.95	180.38	-103.71
488	2	705	702.19	354.38	69.81	89.36	334.82	-71.98	92.33	-138.63	-122.25	75.95	-59.28
		745	2642.86	102.48	-498.37	101.66	-497.54	-22.23	1004.29	378.49	408.47	974.30	-133.66
		746	3260.92	-91.28	-504.56	-94.88	-500.96	-38.39	1227.04	280.96	384.03	1123.98	294.76
		728	1985.12	345.57	-87.21	-79.89	338.24	-55.83	452.89	-373.96	-146.69	225.63	369.14
489	1	746	1483.82	244.00	-360.60	231.22	-347.83	-86.97	219.80	-271.67	-256.22	204.34	85.77
		293	1409.05	255.64	-213.06	240.10	-197.52	-83.92	6.58	-450.40	-329.33	-114.49	201.67
		319	828.03	117.46	-219.65	96.53	-198.72	-81.35	4.08	-247.53	-235.61	-7.84	53.45
		748	1394.93	122.08	-363.73	104.98	-346.63	-89.54	319.10	-170.60	-162.51	311.00	-62.46
489	2	746	2945.11	778.02	-150.37	154.34	473.32	435.94	-377.23	-1050.48	-473.53	-954.19	-235.70
		293	1506.77	462.16	-428.77	157.56	-124.18	422.61	40.10	-366.78	-167.61	-159.08	-203.40
		319	1390.81	409.26	-444.57	88.75	-124.07	413.44	276.18	-181.94	-109.56	203.80	167.09
		748	1657.61	767.31	-200.43	93.67	473.20	445.10	-342.47	-664.32	-415.48	-591.31	134.78
490	1	728	751.00	-79.49	-245.85	-201.11	-124.23	73.77	262.91	-24.27	-23.87	262.51	10.65
		746	1294.97	-156.27	-405.35	-184.98	-376.64	79.54	459.25	223.21	241.09	441.37	-62.47
		748	550.04	72.50	-393.67	56.97	-378.14	83.65	168.00	114.70	139.45	143.26	26.58
		730	595.73	96.05	-144.90	73.87	-122.73	69.66	28.81	-189.93	-125.52	-35.60	99.70
490	2	728	1828.35	-50.10	-117.60	-50.11	-117.59	0.57	415.39	-369.09	181.29	-135.00	358.95
		746	2495.17	489.25	-49.99	-49.73	488.99	-11.72	-121.91	-882.21	-220.81	-783.31	255.76
		748	2004.93	488.81	-60.91	-59.95	-487.85	-23.00	-275.79	-733.36	-295.59	-713.56	-93.10
		730	432.69	-58.96	-118.90	-61.41	-116.45	11.86	107.10	-65.84	106.51	-65.25	10.10
491	1	748	837.64	177.49	-235.56	122.25	-180.32	-140.60	33.86	-235.13	-234.52	33.25	-12.79
		319	849.01	193.87	-153.70	122.25	-82.08	-140.58	129.54	-179.76	-179.72	129.51	-3.07
		524	891.70	140.87	-170.72	52.23	-82.08	-140.58	101.55	-208.39	-173.52	66.69	97.93
		717	875.93	118.40	-246.49	52.23	-180.32	-140.60	3.93	-261.82	-228.31	-29.57	88.21
491	2	748	1021.49	317.03	-245.35	35.51	36.17	281.19	-45.30	-305.39	-204.27	-146.41	126.79
		319	1329.00	237.32	-356.20	35.51	-154.39	281.16	-51.77	-432.83	-335.47	-149.13	166.20
		524	1322.27	213.91	-369.03	-0.74	-154.39	281.16	62.56	-365.81	-266.35	-36.90	180.87
		717	1033.04	299.51	-264.08	-0.74	36.18	281.19	65.53	-234.86	-135.15	-34.18	141.46
492	1	730	383.01	74.18	-249.86	72.98	-248.65	-19.73	87.75	-5.52	24.91	57.32	43.73
		748	453.64	74.48	-185.30	72.98	-183.79	-19.72	117.29	4.14	9.20	112.24	23.37
		717	504.65	45.93	-185.49	44.23	-183.79	-19.72	48.77	-151.83	-45.67	-57.38	100.13
		742	693.10	45.56	-249.98	44.23	-248.65	-19.73	56.20	-198.46	-29.96	-112.30	120.49
492	2	730	668.47	25.70	-90.82	-71.95	6.83	42.92	-68.90	-273.53	-72.16	-270.27	25.64
		748	668.76	52.84	-86.72	-71.95	38.07	42.93	-77.40	-275.71	-96.79	-256.33	58.89
		717	505.44	153.02	22.04	136.99	38.07	42.93	150.49	-42.32	2.96	105.21	81.73
		742	350.10	149.87	-6.05	136.99	6.83	42.92	117.43	1.42	27.58	91.27	48.48
493	1	717	1098.52	270.12	-193.37	-63.79	140.54	-208.01	-202.31	-399.27	-253.17	-348.42	86.20
		524	643.18	283.60	-280.68	-19.59	22.51	-281.36	-101.63	-187.40	-158.10	-130.94	40.68
		335	1214.20	305.74	-202.07	104.37	-0.70	-248.41	-61.13	-384.60	-236.91	-208.82	161.12
		706	1681.01	408.71	-73.26	171.69	163.76	-240.95	-167.19	-591.10	-331.99	-426.30	206.65
493	2	717	2619.30	74.09	-678.39	40.63	-644.93	155.09	947.95	3.78	338.42	613.31	451.63
		524	1394.95	325.07	-416.24	156.95	-248.12	310.43	103.30	-378.46	-273.01	-2.15	199.20
		335	2215.07	469.39	-336.29	361.69	-228.59	274.18	128.88	-586.44	-507.65	50.10	-223.94
		706	2217.86	442.93	-697.53	409.87	-664.47	191.34	667.00	102.33	103.77	665.56	28.49
494	1	742	452.58	66.49	-177.64	65.18	-176.33	-17.87	-2.30	-159.08	-76.68	-84.70	78.29
		717	1696.83	175.10	-61.70	156.79	-43.38	-63.26	4.93	-595.47	-349.45	-241.09	295.27
		706	784.74	-17.58	-200.66	-174.69	-43.56	-63.88	150.13	-164.41	-48.90	34.63	151.62
		731	709.88	-110.44	-180.68	-114.97	-176.15	-17.24	274.83	140.05	223.86	191.02	-65.36
494	2	742	977.20	203.27	-94.77	0.98	107.52	-139.17	270.18	-61.40	-13.54	222.33	-116.52
		717	2712.00	26.66	-474.20	-45.11	-402.42	175.49	1019.21	294.87	545.00	769.09	-344.40
		706	1717.75	-109.94	-500.90	-121.97	-488.87	67.52	622.97	250.66	264.14	609.49	69.54
		731	1660.63	198.33	-29.15	-24.79	193.97	-31.20	231.07	-462.74	-294.40	62.73	297.42
495	1	706	1025.73	196.95	-177.00	82.51	-62.55	-172.34	103.49	-254.29	-232.19	81.40	86.13
		335	990.15	284.24	-21.47	126.78	136.00	-152.79	106.82	-253.20	-212.95	66.56	113.46
		529	694.82	179.23	-113.05	-48.40	114.57	-121.31	19.40	-210.21	-141.01	-49.79	105.36
		718	704.72	166.52	-241.17	-33.53	-41.13	-203.81	2.46	-197.68	-160.26	-34.96	78.03
495	2	706	1328.93	504.07	-238.20	330.89	-65.02	313.93	-386.15	-515.76	-406.71	-495.20	47.35
		335	1642.82	394.00	-599.35	334.07	-539.42	236.52	-139.48	-500.63	-226.88	-413.23	154.68
		529	1572.43	114.15	-564.22	58.50	-508.57	186.16	296.27	-269.18	26.83	0.26	282.41
		718	1265.72	401.90	-362.48	135.29	-95.87	364.30	61.32	-296.03	-153.01	-81.71	175.08
496	1	731	454.93	-38.57	-134.75	-98.54	-74.77	46.60	174.87	29.10	31.50	172.46	18.57

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		706	600.39	-27.59	-167.42	-71.96	-123.05	65.08	222.04	98.17	101.64	218.58	-20.42
		718	404.65	88.53	-143.20	69.50	-124.17	63.62	8.08	-120.00	-67.94	-43.98	62.91
		743	602.17	119.76	-85.60	107.81	-73.65	48.06	-9.41	-218.77	-138.08	-90.10	101.89
496	2	731	1133.37	-46.51	-175.85	-60.71	-161.65	40.44	31.42	-371.11	-35.35	-304.34	149.74
		706	1215.82	127.36	-10.64	-10.60	127.32	2.20	-92.03	-468.49	-143.22	-417.30	129.04
		718	436.76	120.82	22.30	53.89	89.22	-45.98	87.59	-86.45	-85.14	86.28	-15.07
		743	603.65	82.56	-161.65	44.46	-123.55	88.62	199.42	22.55	22.73	199.24	5.63
497	1	718	1086.43	313.47	-156.31	-97.34	254.50	-155.64	-205.86	-387.29	-245.74	-347.41	75.13
		529	513.80	291.35	-224.38	-36.93	103.89	-248.06	-118.43	-155.69	-152.16	-121.96	10.91
		337	1131.77	313.37	-103.34	135.49	74.55	-206.12	-104.83	-380.18	-251.65	-233.36	137.37
		707	1724.26	453.86	54.21	224.22	283.84	-197.59	-192.58	-611.46	-345.23	-458.81	201.60
497	2	718	2794.53	11.18	-845.92	1.50	-836.24	90.57	964.39	8.72	341.00	632.12	455.12
		529	1255.89	216.30	-526.85	132.36	-442.92	235.22	152.00	-341.57	-257.37	67.80	185.66
		337	2277.90	431.76	-477.44	382.97	-428.65	204.90	161.44	-571.88	-507.64	97.19	-207.33
		707	2365.08	460.84	-861.66	449.69	-850.52	120.90	668.19	84.04	90.73	661.50	62.14
498	1	743	463.55	148.13	-114.30	134.48	-100.65	-58.27	-40.76	-178.24	-78.43	-140.57	61.31
		718	1795.44	313.93	20.11	260.08	73.95	-113.68	-33.21	-619.61	-372.68	-280.14	289.53
		707	859.79	113.65	-252.62	-210.47	71.50	-116.87	148.29	-174.56	-51.11	24.84	156.89
		732	700.79	-54.84	-168.14	-124.78	-98.20	-55.07	285.23	122.31	243.14	164.41	-71.32
498	2	743	1042.19	162.41	-109.48	-38.79	91.72	-119.26	292.13	-73.86	-24.74	243.02	-124.75
		718	2808.01	19.34	-675.88	-103.14	-553.39	264.86	996.13	270.98	496.38	770.74	-335.62
		707	1924.05	-125.57	-690.23	-160.05	-655.75	135.21	665.91	239.28	250.19	654.99	67.35
		732	1682.04	194.52	-51.58	-51.14	194.08	10.39	270.30	-413.96	-270.93	127.27	278.23
499	1	707	975.17	197.37	-74.07	109.97	13.33	-126.83	89.95	-264.93	-250.28	75.29	70.61
		337	897.13	282.66	57.35	153.60	186.41	-111.45	96.06	-240.50	-210.28	65.84	96.21
		306	593.85	197.00	-66.31	-36.63	167.32	-83.27	22.70	-186.10	-130.64	-32.76	92.22
		719	635.00	164.40	-149.62	-17.64	32.42	-155.00	2.35	-196.29	-170.63	-23.31	66.62
499	2	707	1314.07	454.87	-291.16	348.60	-184.89	260.75	-359.52	-499.87	-409.03	-450.36	67.06
		337	1603.90	385.37	-716.76	355.35	-686.74	179.40	-116.48	-471.95	-226.13	-362.30	164.18
		306	1562.18	69.79	-678.35	47.39	-655.95	127.52	307.29	-281.66	6.17	19.47	294.40
		719	1321.99	314.01	-400.20	129.50	-215.69	312.63	81.90	-327.22	-176.74	-68.59	197.28
500	1	732	416.99	26.25	-112.09	-109.90	24.06	17.27	155.13	39.20	40.30	154.03	11.24
		707	514.39	-13.33	-102.42	-79.61	-36.14	38.88	206.18	102.64	111.38	197.44	-28.78
		719	314.06	96.88	-47.74	86.14	-37.01	37.91	-5.49	-107.15	-59.18	-53.46	50.75
		744	550.76	133.45	21.86	130.39	24.93	18.24	-21.28	-205.86	-130.26	-96.87	90.77
500	2	732	1120.44	-28.73	-296.87	-63.62	-261.98	90.21	33.83	-332.41	-32.29	-266.29	140.87
		707	1060.08	48.51	-65.14	-18.13	1.51	55.97	-90.45	-422.09	-139.82	-372.72	118.04
		719	535.76	47.57	-34.27	45.59	-32.29	12.57	118.55	-92.86	-91.63	117.32	-16.07
		744	750.76	94.00	-283.58	38.59	-228.18	133.61	223.97	15.68	15.90	223.76	6.76
501	1	719	1057.32	341.31	-118.82	-83.66	306.15	-122.23	-214.75	-374.76	-256.67	-332.84	70.36
		306	457.13	291.69	-184.90	-19.83	126.61	-226.77	-97.18	-138.40	-132.36	-103.21	-14.57
		340	1056.24	317.28	-51.47	171.11	94.69	-180.37	-135.32	-364.48	-249.34	-250.46	114.58
		708	1767.40	474.83	130.15	266.92	338.07	-168.63	-220.38	-633.35	-373.64	-480.08	199.51
501	2	719	2961.79	1.13	-932.37	-0.36	-930.88	37.23	987.90	-12.97	339.19	635.74	477.96
		306	1460.06	173.14	-580.55	127.06	-534.47	180.57	154.58	-390.95	-313.62	77.25	190.28
		340	2507.78	404.37	-545.06	380.05	-520.74	149.99	157.50	-661.11	-603.38	99.76	-209.59
		708	2487.88	448.76	-947.92	445.46	-944.62	67.80	668.11	39.57	49.43	658.25	78.09
502	1	744	491.28	177.67	-52.02	140.27	-14.63	-84.80	-45.56	-178.66	-70.83	-153.39	52.20
		719	1794.52	350.00	63.77	266.82	146.95	-129.96	-42.92	-614.90	-368.30	-289.52	283.27
		708	859.82	186.54	-272.43	-227.12	141.23	-136.90	139.51	-167.12	-40.71	13.10	150.94
		733	727.47	28.15	-172.47	-135.41	-8.91	-77.86	299.49	106.51	256.76	149.24	-80.13
502	2	744	1015.23	62.52	-123.67	-38.50	-22.64	-92.76	307.20	-79.87	-30.31	257.64	-129.33
		719	2820.56	20.74	-794.70	-98.04	-675.92	287.66	972.01	268.82	469.60	771.22	-317.61
		708	2090.62	-128.46	-815.06	-167.54	-775.98	159.08	705.86	243.86	257.05	692.67	76.94
		733	1648.86	86.27	-67.56	-58.70	77.42	35.83	307.01	-370.78	-242.86	179.09	265.22
503	1	708	966.70	192.39	-14.37	136.73	41.28	-91.70	94.46	-266.24	-256.87	85.09	57.38
		340	842.56	262.46	102.33	177.24	187.56	-79.90	99.21	-225.74	-208.59	82.07	72.65
		435	519.94	186.78	-27.54	-11.96	171.20	-55.64	29.03	-170.87	-139.20	-2.64	73.00
		720	631.34	151.62	-85.46	8.52	57.64	-115.96	16.71	-203.80	-187.48	0.39	57.73
503	2	708	1311.87	408.34	-298.77	347.69	-238.11	198.01	-372.11	-515.06	-449.73	-437.44	71.21
		340	1540.22	363.50	-797.27	352.71	-786.48	111.39	-169.04	-507.61	-335.87	-340.78	169.27
		435	1641.90	40.92	-757.49	37.13	-753.70	54.89	289.65	-364.61	-124.19	49.23	315.43
		720	1383.98	246.74	-396.03	121.61	-270.89	254.51	94.61	-380.09	-238.05	-47.43	217.38
504	1	733	419.57	94.74	-107.90	-107.70	94.55	6.27	144.51	51.39	51.40	144.50	-0.85
		708	502.20	17.83	-89.39	-78.77	7.21	32.02	206.45	100.17	122.88	183.73	-43.57
		720	214.66	108.81	-3.06	96.78	8.96	34.65	-19.55	-82.19	-52.30	-49.45	31.29
		703	507.55	144.79	92.54	144.53	92.80	3.64	-30.17	-182.29	-123.78	-88.68	74.01
504	2	733	1125.15	-36.61	-382.88	-73.38	-346.11	106.69	43.77	-308.95	-18.51	-246.67	134.50
		708	1048.00	23.90	-137.30	-26.12	-87.28	74.58	-90.88	-396.37	-131.95	-355.30	104.21
		720	668.92	59.58	-125.76	53.97	-120.15	31.77	139.04	-102.94	-99.67	135.78	-27.92
		703	874.48	104.98	-366.68	51.54	-313.24	149.50	244.43	13.74	13.76	244.40	2.37
505	1	720	1003.77	345.56	-82.52	-55.95	318.99	-103.29	-250.40	-361.42	-304.20	-307.62	55.48

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		435	483.26	274.08	-190.90	1.21	81.96	-228.96	-23.11	-112.24	-96.29	-39.06	-34.17
		341	993.62	308.98	-71.94	189.97	47.07	-176.55	-65.99	-320.31	-195.28	-191.02	127.14
		709	1812.09	479.53	160.95	286.61	353.88	-155.70	-212.76	-650.00	-403.19	-459.57	216.79
505	2	720	3292.64	-0.78	-929.95	-3.11	-927.62	-46.51	1044.57	-72.69	270.78	701.10	515.53
		435	1986.55	120.41	-575.71	110.74	-566.04	81.48	236.17	-509.60	-411.62	138.19	251.93
		341	2548.64	349.28	-557.66	346.05	-554.43	54.03	140.40	-701.13	-676.61	115.87	-141.55
		709	2639.09	406.00	-939.49	405.73	-939.22	-19.06	700.24	-15.66	5.79	678.79	122.06
506	1	703	458.29	192.37	-28.03	137.00	27.33	-95.59	-52.10	-159.69	-69.06	-142.73	39.21
		720	1700.19	363.72	82.72	265.04	181.39	-134.13	-49.05	-579.05	-357.84	-270.26	261.36
		709	804.42	217.34	-296.11	-252.23	173.46	-143.54	130.85	-151.48	-43.75	23.11	137.15
		734	718.26	68.41	-188.80	-155.66	35.26	-86.18	295.06	100.62	245.03	150.65	-85.00
506	2	703	1201.04	76.64	-146.75	-14.07	-56.04	-109.71	365.30	-100.07	-27.53	292.76	-168.81
		720	2921.91	33.06	-830.59	-66.62	-730.90	275.96	1004.30	274.49	463.69	815.09	-319.82
		709	2398.72	-136.11	-861.68	-166.25	-831.54	144.78	822.80	294.31	306.85	810.25	80.46
		734	1590.33	49.17	-56.35	-51.78	44.60	21.47	382.44	-278.89	-184.37	287.92	231.47
507	1	709	1082.63	178.93	2.82	146.80	34.95	-68.01	155.12	-264.70	-243.78	134.19	91.36
		341	835.18	251.27	145.14	186.25	210.16	-51.70	128.39	-206.87	-173.45	94.96	100.44
		401	491.80	196.16	10.08	13.52	192.73	-25.04	-66.53	-179.86	-134.52	-111.87	55.52
		721	589.97	136.33	-54.39	29.55	52.39	-94.67	-57.96	-219.53	-204.85	-72.64	46.45
507	2	709	1233.21	344.42	-172.34	315.07	-143.00	119.60	-323.31	-508.10	-419.04	-412.37	92.33
		341	1747.06	323.60	-651.36	321.91	-649.68	40.47	-242.22	-681.10	-496.78	-426.54	216.61
		401	1624.96	21.18	-621.16	21.00	-620.98	-10.58	141.39	-457.96	-306.77	-9.81	260.31
		721	965.72	181.27	-254.21	98.76	-171.70	170.65	66.89	-291.55	-229.02	4.36	136.03
508	1	734	447.66	89.27	-129.82	-126.93	86.38	25.01	153.63	47.36	47.47	153.52	-3.43
		709	536.48	45.65	-107.46	-91.49	29.68	46.81	224.24	103.53	120.45	207.31	-41.91
		721	319.10	121.04	6.43	100.18	27.29	44.22	-9.61	-111.84	-51.06	-70.39	50.20
		704	558.43	158.96	77.92	148.12	88.77	27.59	-35.44	-212.78	-124.03	-124.18	88.67
508	2	734	1045.06	-53.97	-364.48	-78.19	-340.26	83.28	77.26	-265.47	36.53	-224.74	110.91
		709	972.78	12.24	-91.83	-23.78	-55.80	49.51	-94.11	-381.72	-121.77	-354.06	84.80
		721	615.17	82.47	-91.51	82.43	-91.47	2.39	150.40	-76.33	-51.37	125.45	-70.96
		704	870.08	123.93	-344.26	84.25	-304.58	130.39	267.31	94.39	106.93	254.77	-44.85
509	1	721	1073.81	303.70	-83.23	-59.65	280.12	-92.56	-301.40	-392.79	-338.16	-356.04	44.81
		401	734.24	274.79	-108.15	30.85	135.80	-184.14	50.12	-169.70	-73.14	-46.44	-109.09
		334	935.55	371.25	31.83	298.92	104.16	-138.99	-175.08	-320.30	-234.80	-260.58	71.46
		710	2057.81	509.72	215.97	413.92	311.76	-137.71	-306.91	-763.09	-499.82	-570.18	225.36
509	2	721	3396.95	-12.97	-751.03	-34.13	-729.87	-123.17	1100.96	-23.17	232.38	845.41	471.13
		401	2172.25	97.10	-306.36	95.61	-304.87	24.45	293.64	-559.42	-490.13	224.36	233.03
		334	3087.79	374.18	-292.10	374.09	-292.01	-7.63	425.24	-741.22	-705.45	389.48	-201.11
		710	3333.24	449.82	-749.68	442.86	-742.73	-91.08	1011.90	15.69	17.07	1010.52	36.99
510	1	704	547.44	192.23	-41.64	147.84	2.75	-91.71	-58.24	-208.57	-72.59	-194.22	44.17
		721	1870.73	351.09	74.90	280.40	145.59	-120.53	-51.21	-650.69	-366.12	-335.77	299.35
		710	914.11	174.08	-316.66	-276.80	134.23	-134.05	141.31	-171.23	-9.95	-19.97	156.19
		735	847.09	42.66	-200.07	-171.52	14.11	-78.19	330.49	74.68	283.58	121.59	-98.99
510	2	704	1967.92	256.70	-142.73	62.28	51.70	-199.65	581.02	-140.80	35.65	404.58	-310.20
		721	3258.04	70.16	-696.37	18.80	-645.01	191.65	1192.77	310.11	605.40	897.48	-416.46
		710	2784.03	-116.31	-751.81	-121.54	-746.58	57.40	1014.09	492.59	496.32	1010.35	-43.97
		735	1602.92	177.45	-23.65	0.52	153.27	-65.40	523.94	-79.92	-73.43	517.45	62.29
511	1	735	456.31	154.07	-106.02	-102.97	151.02	27.99	153.28	77.98	78.05	153.21	-2.34
		710	556.83	-9.97	-161.14	-85.29	-85.81	75.58	197.06	77.91	148.05	126.92	-58.63
		712	360.98	93.73	-128.78	34.60	-69.65	98.29	42.98	-71.01	7.03	-35.05	-52.97
		737	201.70	135.58	96.35	97.07	134.86	5.28	-8.56	-63.17	-62.97	-8.76	3.32
511	2	735	654.07	13.84	-155.92	12.93	-155.01	-12.39	181.93	-61.37	168.52	-47.96	55.53
		710	763.99	206.67	11.99	36.52	182.14	-64.60	30.95	-254.84	-18.92	-204.97	-108.46
		712	1056.93	207.23	-56.97	0.99	149.26	-109.33	14.20	-349.02	-198.26	-136.56	-178.97
		737	174.38	-26.29	-133.04	-37.19	-122.13	32.34	26.47	-16.84	-10.82	20.45	-14.98
512	1	710	1025.09	239.99	-107.27	233.96	-101.23	-45.39	94.81	-248.88	-242.99	88.92	44.61
		334	1188.10	364.52	80.38	355.99	88.91	-48.48	60.66	-332.91	-314.71	42.46	82.66
		429	896.35	56.52	-163.11	-163.06	56.47	-3.26	79.20	-245.90	-220.24	53.54	87.66
		712	666.88	24.48	-156.81	-63.54	-68.79	-90.61	109.54	-158.06	-148.52	100.00	49.62
512	2	710	1791.47	387.80	125.16	339.59	173.37	101.67	-209.77	-669.69	-664.25	-215.21	-49.72
		334	1029.56	443.73	-279.67	443.66	-279.60	6.92	-69.42	-298.82	-265.29	-102.95	81.04
		429	1074.02	-209.77	-277.22	-214.62	-272.38	-17.42	301.65	-113.01	-1.73	190.36	183.74
		712	1347.00	224.63	-105.39	-46.90	166.15	126.01	83.89	-406.48	-400.69	78.10	52.98
513	1	393	1068.06	-38.13	-189.59	-66.42	-161.30	-59.03	1.74	-394.88	-388.58	-4.55	-49.57
		765	666.02	28.25	-103.34	-66.42	-8.67	-59.12	38.18	-199.74	-167.36	5.81	-81.58
		751	688.98	55.54	-63.10	1.10	-8.67	-59.12	-10.26	-246.20	-201.59	-54.87	-92.39
		158	1116.60	20.29	-180.49	1.10	-161.30	-59.03	-55.31	-432.73	-422.81	-65.23	-60.38
513	2	393	1215.88	61.25	-41.27	-40.95	60.93	-5.72	46.88	-412.28	-392.10	26.69	-94.13
		765	334.76	-13.29	-42.12	-40.95	-14.45	-5.67	33.13	-97.57	-96.60	32.16	-11.21
		751	173.85	-1.50	-16.94	-3.99	-14.45	-5.67	23.42	-48.60	-30.40	5.22	-31.30
		158	1040.02	61.43	-4.49	-3.99	60.93	-5.72	35.82	-361.96	-325.89	-0.25	-114.23
514	1	158	1949.33	8.96	-271.17	6.01	-268.22	28.60	31.77	-677.73	-616.51	-29.46	-199.23

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		751	307.71	52.09	13.40	24.26	41.23	-17.38	47.37	-77.84	-2.53	-27.94	-61.30
		767	899.15	42.78	-155.56	-155.48	42.70	-4.02	341.38	33.29	121.33	253.33	-139.19
		469	2219.82	-142.26	-271.52	-144.08	-269.69	15.24	343.64	-584.47	-492.64	251.82	-277.11
514	2	158	1706.37	270.55	-122.17	-5.57	153.96	-179.43	-177.10	-657.24	-534.07	-300.27	-209.69
		751	1226.55	27.41	-331.08	-10.84	-292.82	-110.68	450.63	43.92	266.44	228.10	-202.45
		767	1811.17	49.42	-347.96	-0.80	-297.74	-132.04	642.35	116.43	261.54	497.24	235.07
		469	1833.49	257.43	-94.67	3.88	158.88	-158.07	56.10	-626.21	-538.97	-31.13	227.84
515	1	469	2353.79	-129.15	-383.14	-178.79	-333.49	100.72	224.07	-723.27	-713.04	213.84	-97.92
		767	1304.09	-103.21	-319.76	-164.84	-258.13	97.72	486.10	223.76	251.33	458.54	-80.44
		752	656.23	19.81	-291.53	-11.07	-260.65	93.06	133.90	-74.21	94.93	-35.24	81.19
		159	2113.29	31.88	-361.57	1.28	-330.97	105.38	-273.13	-876.24	-869.43	-279.94	63.70
515	2	469	1371.70	412.94	-80.05	48.42	284.47	-216.40	-0.28	-401.29	-89.46	-312.12	166.76
		767	2029.30	534.56	-56.66	47.26	430.64	-225.04	-258.59	-721.31	-383.25	-596.65	205.29
		752	952.42	532.52	-90.97	12.15	429.41	-231.64	-98.19	-318.02	-258.52	-157.69	-97.67
		159	998.07	398.38	-104.90	7.78	285.70	-209.79	224.75	-62.63	35.27	126.84	-136.20
516	1	159	1994.35	49.38	-401.60	20.53	-372.76	110.35	-159.58	-763.81	-740.29	-183.10	-116.87
		752	651.13	77.68	-80.38	43.87	-46.57	64.82	-52.02	-239.44	-112.57	-178.88	87.65
		768	495.56	-15.01	-241.62	-210.75	-45.88	77.74	189.48	106.47	106.57	189.38	2.92
		474	2041.00	-151.20	-416.16	-193.92	-373.44	97.43	238.65	-574.64	-521.15	185.16	-201.59
516	2	159	1708.79	443.83	-201.23	-28.28	270.88	-285.75	-185.11	-624.82	-527.12	-282.81	-182.79
		752	1340.34	140.41	-323.16	-34.84	-147.91	-224.78	454.92	56.45	306.00	205.36	-192.77
		768	1827.26	179.45	-330.93	0.39	-151.87	-243.57	660.40	174.61	287.78	547.23	205.35
		474	1944.19	438.28	-161.20	2.25	274.84	-266.96	127.94	-614.22	-545.34	59.06	215.34
517	1	474	2140.83	-116.99	-447.78	-227.28	-337.49	155.94	166.77	-695.41	-693.75	165.11	-37.77
		768	1052.10	-91.69	-409.99	-213.04	-288.64	154.60	374.75	191.54	191.63	374.66	-4.02
		753	902.14	28.87	-362.48	-42.71	-290.90	151.30	147.94	-142.85	79.36	-74.28	123.45
		103	1974.08	38.46	-403.09	-29.40	-335.23	159.24	-268.85	-821.00	-806.02	-283.83	89.70
517	2	474	1439.61	506.82	-174.34	33.37	299.11	-313.59	-5.82	-393.51	-137.03	-262.30	183.45
		768	2017.12	674.87	-128.85	36.51	509.51	-324.91	-206.37	-660.73	-330.27	-536.83	202.35
		753	1040.13	682.90	-129.24	46.39	507.27	-334.35	-103.63	-321.06	-258.06	-166.63	-98.64
		103	1062.14	503.34	-156.61	45.39	301.34	-304.15	167.39	-124.31	-64.82	107.90	-117.54
518	1	103	1771.93	39.78	-359.89	-1.01	-319.11	120.99	-183.89	-700.58	-690.91	-193.56	-70.02
		753	896.18	79.86	-100.11	20.85	-41.10	84.49	-18.68	-310.39	-114.92	-214.15	137.16
		769	445.37	-2.83	-275.73	-237.53	-41.03	94.68	165.70	95.39	116.46	144.63	32.21
		482	1780.56	-148.66	-391.17	-220.66	-319.18	110.80	210.88	-505.20	-459.53	165.21	-174.97
518	2	103	1990.53	517.08	-256.73	-0.27	260.62	-364.26	-225.09	-731.27	-638.49	-317.87	-195.84
		753	1384.75	235.91	-395.83	-4.04	-155.89	-306.61	438.55	57.56	305.61	190.50	-181.59
		769	2036.49	255.41	-413.37	1.81	-159.77	-324.48	720.20	191.09	315.97	595.33	224.67
		482	2190.11	504.82	-234.75	5.57	264.50	-346.38	144.29	-685.46	-628.13	86.96	210.43
519	1	482	2004.34	-109.38	-436.62	-251.58	-294.41	162.21	160.74	-639.15	-639.09	160.68	-6.64
		769	1008.14	-90.09	-416.13	-237.01	-269.22	162.22	359.27	219.68	220.61	358.34	11.40
		754	972.84	34.77	-354.96	-48.91	-271.28	160.03	157.52	-163.39	91.91	-97.79	129.42
		88	1927.25	45.30	-372.39	-34.75	-292.35	164.40	-270.49	-792.73	-767.79	-295.44	111.38
519	2	482	1529.58	487.85	-262.55	30.06	195.24	-366.00	-33.26	-435.37	-212.13	-256.50	199.83
		769	2073.72	677.32	-188.48	35.22	453.63	-378.99	-183.04	-667.70	-327.10	-523.64	221.51
		754	1017.05	694.28	-174.39	68.99	450.91	-390.10	-119.44	-308.15	-262.55	-165.04	-80.78
		88	1097.30	494.42	-226.87	69.60	197.96	-354.89	138.77	-184.25	-147.58	102.10	-102.47
520	1	88	1646.42	33.69	-312.16	-7.47	-270.99	111.99	-197.75	-666.08	-661.07	-202.76	-48.19
		754	977.74	81.23	-82.57	14.24	-15.57	80.53	8.39	-331.63	-91.92	-231.33	155.06
		770	488.16	12.88	-291.94	-263.13	-15.93	89.17	176.03	89.79	139.02	126.79	42.69
		478	1626.89	-153.96	-362.18	-245.50	-270.63	103.35	196.51	-471.28	-430.13	155.36	-160.57
520	2	88	2150.47	466.61	-323.67	15.69	127.25	-391.18	-241.44	-800.53	-716.75	-325.23	-199.56
		754	1330.02	243.02	-491.72	15.33	-264.04	-339.78	406.99	65.32	288.53	183.78	-162.61
		770	2207.13	233.96	-520.13	-18.43	-267.74	-355.84	761.21	198.46	329.18	630.49	237.65
		478	2356.10	441.15	-322.66	-12.46	130.95	-375.11	169.13	-723.75	-676.10	121.48	200.69
521	1	478	1969.62	-100.07	-408.58	-273.59	-235.06	153.05	173.47	-599.55	-598.87	172.79	22.86
		770	1003.89	-95.06	-404.84	-258.55	-241.35	154.65	356.86	239.54	240.50	355.90	10.57
		756	899.91	36.13	-327.86	-48.52	-243.21	153.77	131.13	-163.08	73.24	-105.19	116.96
		111	1952.14	50.25	-316.78	-33.35	-233.19	153.93	-255.58	-798.85	-766.13	-288.30	129.25
521	2	478	1619.06	431.35	-340.81	12.09	78.44	-384.65	-23.28	-467.98	-269.70	-221.56	221.04
		770	2073.50	584.98	-256.98	19.27	308.72	-395.32	-153.32	-672.11	-313.90	-511.53	239.83
		756	1075.92	617.34	-220.62	90.59	306.13	-404.88	-116.55	-328.73	-262.39	-182.88	-98.36
		111	1228.86	462.75	-287.55	94.17	81.03	-375.09	144.89	-255.99	-218.19	107.09	-117.15
522	1	111	1387.43	17.12	-257.26	15.38	-255.52	21.79	-149.89	-562.15	-536.53	-175.50	99.52
		756	757.72	57.45	-112.92	-14.86	-40.62	84.21	-16.42	-265.21	-39.82	-241.81	72.63
		755	550.38	-5.40	-190.23	-167.44	-28.19	60.77	58.21	-143.79	58.07	-143.66	5.24
		87	1183.72	-186.07	-292.92	-211.05	-267.94	45.22	-74.52	-441.48	-438.64	-77.36	32.13
522	2	111	2252.09	400.48	-328.91	-94.67	166.24	-340.56	-351.53	-880.05	-847.10	-384.48	-127.79
		756	1064.84	249.52	-638.47	-141.40	-247.55	-440.81	271.65	47.40	199.37	119.68	-104.81
		755	2317.88	137.88	-688.80	-295.65	-255.27	-412.85	819.95	304.38	413.51	710.82	210.61
		87	2348.45	371.14	-514.78	-317.59	173.95	-368.52	246.68	-672.98	-632.96	206.66	187.62
523	1	87	2043.39	-42.74	-440.15	-214.26	-268.63	196.83	282.59	-576.84	-576.84	282.59	0.97

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		755	2644.14	-133.02	-540.77	-280.59	-393.21	195.94	1019.03	463.88	504.49	978.42	-144.55
		777	1604.96	59.94	-452.03	-11.71	-380.38	177.62	657.97	326.41	434.37	550.02	155.37
		305	2266.45	62.98	-415.86	-71.42	-281.46	215.16	-4.83	-787.94	-646.96	-145.81	300.88
523	2	87	3075.77	313.86	-532.65	-274.09	55.29	-389.90	478.03	-691.26	-321.17	107.94	543.85
		755	2616.02	700.54	-415.38	-304.40	589.56	-333.96	7.20	-745.73	-59.73	-678.80	214.27
		777	2989.64	693.28	-214.36	-101.40	580.32	-299.61	-168.72	-1063.43	-187.74	-1044.41	-129.04
		305	1711.65	390.09	-488.32	-162.76	64.53	-424.25	-131.20	-575.65	-449.18	-257.67	200.54
524	1	305	1635.67	-26.81	-302.94	-100.09	-229.66	121.92	96.71	-546.01	-524.24	74.93	116.28
		777	748.45	-25.90	-300.45	-100.09	-226.26	121.92	279.92	169.65	189.51	260.06	42.37
		758	639.93	10.23	-289.12	-52.62	-226.26	121.92	160.81	-40.16	126.45	-5.81	75.66
		316	1622.82	9.52	-291.81	-52.62	-229.66	121.92	-140.83	-637.40	-587.30	-190.93	149.56
524	2	305	1483.26	346.96	-394.83	-34.24	-13.63	-370.75	-34.63	-456.97	-371.79	-119.81	169.47
		777	1387.80	440.38	-324.01	-34.24	150.61	-370.85	-134.70	-443.25	-191.16	-386.79	119.30
		758	1100.55	449.71	-309.20	-10.11	150.61	-370.85	-208.30	-382.21	-211.34	-379.17	22.79
		316	1202.79	358.89	-382.63	-10.11	-13.63	-370.75	-94.31	-409.85	-391.97	-112.19	72.95
525	1	316	1432.04	6.81	-254.59	-49.07	-198.71	107.17	-25.22	-531.28	-492.76	-63.73	134.19
		758	557.76	6.98	-253.97	-49.07	-197.92	107.16	100.44	-76.06	45.25	-20.87	81.82
		776	730.99	19.42	-250.76	-33.43	-197.92	107.16	34.50	-190.39	6.21	-162.10	74.58
		303	1435.96	19.26	-251.40	-33.43	-198.71	107.17	-161.44	-575.31	-531.79	-204.96	126.95
525	2	316	1252.77	290.21	-363.05	-22.84	-50.00	-326.35	-58.98	-437.95	-426.27	-70.66	65.51
		758	810.87	302.29	-350.44	-22.84	-25.30	-326.36	-134.98	-262.92	-155.69	-242.20	47.13
		776	708.51	322.95	-331.15	17.10	-25.30	-326.36	-153.15	-222.71	-160.27	-215.59	-21.09
		303	1178.38	311.62	-344.52	17.10	-50.00	-326.35	-44.03	-430.87	-430.85	-44.05	-2.71
526	1	303	1369.08	18.60	-279.64	-30.71	-230.33	110.79	-97.32	-530.02	-477.18	-150.16	141.68
		776	699.36	44.00	-195.75	-30.71	-121.04	111.04	-0.43	-209.05	-42.18	-167.30	83.47
		757	653.43	45.01	-195.30	-29.25	-121.04	111.04	-60.67	-220.49	-79.44	-201.72	51.46
		293	1362.69	19.82	-279.40	-29.25	-230.33	110.79	-151.45	-547.58	-514.44	-184.59	109.67
526	2	303	1471.93	322.40	-318.49	8.24	-4.34	-320.38	-84.08	-541.42	-530.80	-94.70	-68.88
		776	501.93	235.10	-445.59	8.24	-218.73	-320.87	-42.17	-68.57	-47.93	-62.80	-10.91
		757	525.15	233.78	-446.26	6.26	-218.73	-320.87	4.03	-46.78	-10.24	-32.50	-22.84
		293	1439.46	321.39	-319.47	6.26	-4.34	-320.38	-49.68	-507.83	-493.11	-64.40	-80.81
527	1	293	1354.72	46.15	-258.08	24.41	-236.34	78.35	-173.86	-560.32	-544.56	-189.63	76.45
		757	823.93	141.98	-159.06	-17.71	0.64	150.24	46.51	-253.77	32.49	-239.75	63.36
		759	694.37	79.45	-220.98	-157.85	16.32	122.40	132.50	-133.34	127.74	-128.58	35.25
		319	1247.38	-125.90	-341.45	-215.33	-252.03	106.20	-72.27	-455.51	-449.31	-78.47	48.34
527	2	293	2305.07	325.98	-483.09	-129.69	-27.43	-401.29	-324.33	-877.62	-840.45	-361.50	-138.51
		757	1078.94	212.98	-800.64	-179.48	-408.17	-493.74	348.34	185.78	257.91	276.21	-80.76
		759	2736.97	117.46	-827.81	-295.39	-414.95	-468.84	957.35	356.13	474.84	838.65	239.33
		319	2228.58	280.84	-623.13	-321.64	-20.64	-426.19	239.15	-661.74	-623.52	200.93	181.58
528	1	319	2072.40	5.06	-379.40	-204.19	-170.15	191.48	353.37	-493.49	-475.42	335.30	122.38
		759	1929.19	-105.59	-481.93	-250.69	-336.82	183.18	720.98	387.85	433.55	675.27	-114.62
		771	894.70	105.85	-388.02	43.27	-325.44	164.28	238.51	-15.31	208.55	14.66	81.90
		524	2356.28	142.76	-318.00	6.29	-181.53	210.37	-142.91	-882.83	-700.42	-325.31	318.90
528	2	319	2590.13	213.20	-557.88	-292.78	-51.90	-366.25	330.96	-607.65	-194.83	-81.87	465.89
		759	1746.17	449.46	-457.32	-318.60	310.74	-326.41	12.55	-469.75	-64.70	-392.50	176.89
		771	1470.44	479.69	-222.67	-47.65	304.68	-303.80	-245.21	-599.85	-312.34	-532.71	-138.93
		524	1496.41	319.06	-460.24	-95.35	-45.83	-388.86	-146.09	-518.46	-442.47	-222.08	150.07
529	1	524	1288.17	59.55	-221.31	17.85	-179.61	99.86	-164.36	-517.90	-447.70	-234.56	141.03
		771	725.94	155.59	-153.20	-1.19	3.59	154.37	39.23	-220.87	30.01	-211.66	48.09
		760	598.82	85.28	-239.75	-168.51	14.03	134.46	32.15	-168.26	32.08	-168.20	3.64
		335	1285.35	-75.12	-314.86	-199.92	-190.06	119.77	-158.60	-478.13	-445.63	-191.10	96.58
529	2	524	1700.58	338.05	-410.30	-89.10	16.85	-370.41	-233.97	-665.48	-664.16	-235.29	-23.90
		771	967.58	226.68	-823.96	-128.26	-469.02	-496.92	117.53	-48.89	95.79	-27.15	-56.08
		760	1682.70	74.67	-861.69	-304.51	-482.50	-459.64	505.39	205.45	243.35	467.49	99.66
		335	2041.55	301.40	-582.85	-311.79	30.34	-407.69	281.14	-538.38	-516.59	259.35	131.84
530	1	335	2012.75	106.70	-321.71	-188.01	-27.00	198.50	286.55	-501.94	-488.16	272.78	103.30
		760	1828.49	-66.68	-433.73	-235.47	-264.94	182.93	689.75	356.70	416.94	629.51	-128.20
		772	857.40	106.59	-320.82	36.74	-250.96	158.04	232.69	-20.94	202.55	9.20	82.07
		529	2353.04	205.98	-243.07	3.89	-40.98	223.40	-164.72	-885.37	-702.55	-347.53	313.57
530	2	335	2520.34	115.60	-716.39	-320.90	-279.89	-415.49	268.73	-611.21	-221.65	-120.84	437.07
		760	1638.97	323.69	-554.89	-353.84	122.64	-369.07	-1.54	-455.79	-71.32	-386.00	163.80
		772	1349.41	395.97	-306.57	-26.47	115.87	-343.99	-236.54	-507.49	-291.59	-452.44	-109.02
		529	1615.27	271.29	-629.67	-85.26	-273.13	-440.58	-106.77	-522.42	-441.91	-187.28	164.26
531	1	529	1277.51	81.85	-142.89	19.71	-80.75	100.52	-200.95	-524.44	-463.30	-262.09	126.65
		772	722.62	182.31	-120.09	-3.42	65.64	147.21	33.34	-243.95	27.43	-238.05	40.04
		761	701.90	128.53	-240.84	-188.03	75.71	129.30	49.12	-175.29	49.09	-175.26	-2.69
		337	1264.02	-20.97	-291.60	-221.75	-90.82	118.43	-173.08	-467.86	-441.64	-199.30	83.92
531	2	529	1656.42	258.95	-528.34	-65.06	-204.33	-387.44	-170.59	-653.94	-653.56	-170.97	-13.60
		772	976.07	194.65	-958.75	-108.27	-655.84	-507.57	126.16	-6.14	91.27	28.74	-58.30
		761	1818.56	17.88	-994.15	-307.83	-668.44	-472.80	527.40	193.93	218.99	502.34	87.91
		337	2147.01	171.35	-682.70	-319.63	-191.72	-422.21	323.34	-546.55	-525.84	302.63	132.61
532	1	337	2009.85	149.15	-317.40	-213.62	45.38	194.03	287.95	-481.63	-470.05	276.37	93.70

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		761	1867.74	-67.25	-423.36	-269.10	-221.51	176.45	712.30	356.16	431.39	637.06	-145.37
		773	801.15	108.19	-274.31	38.77	-204.90	147.42	232.51	-4.41	212.21	15.89	66.31
		306	2305.49	238.21	-208.79	0.65	28.77	223.06	-166.42	-867.62	-689.24	-344.81	305.39
532	2	337	2598.21	4.39	-801.69	-331.05	-466.25	-397.33	313.07	-609.28	-248.31	-47.90	450.16
		761	1282.38	176.71	-588.42	-367.28	-44.44	-346.84	-2.17	-353.69	-55.08	-300.78	125.70
		773	1536.48	286.38	-354.97	-16.60	-51.99	-320.19	-240.71	-557.42	-335.25	-462.87	-144.93
		306	1815.24	193.89	-734.15	-81.56	-458.70	-423.98	-129.26	-609.21	-528.48	-209.99	179.52
533	1	306	1206.98	82.84	-103.14	19.36	-39.66	88.18	-213.59	-502.79	-452.08	-264.30	109.97
		773	759.21	179.47	-98.66	-6.10	86.90	131.06	40.45	-242.87	38.25	-240.67	24.89
		762	784.17	135.84	-237.14	-198.23	96.92	114.02	67.93	-183.48	66.75	-182.29	-17.24
		340	1196.48	-1.87	-281.27	-233.46	-49.68	105.22	-186.51	-443.00	-423.59	-205.92	67.84
533	2	306	1873.18	196.37	-582.55	-51.84	-334.33	-362.94	-171.44	-743.52	-743.10	-171.86	-15.49
		773	1103.74	155.28	-1034.63	-96.39	-782.97	-485.93	146.94	-38.68	73.09	35.17	-90.86
		762	1800.66	-29.91	-1061.02	-294.51	-796.41	-450.36	507.16	167.50	175.22	499.45	50.60
		340	2415.54	85.15	-712.02	-305.99	-320.89	-398.51	309.12	-657.67	-640.97	292.42	125.97
534	1	340	1973.23	157.40	-332.18	-234.41	59.64	195.72	293.26	-458.05	-451.35	286.56	70.60
		762	1916.31	-68.61	-433.30	-291.84	-210.06	177.70	730.23	364.12	460.47	633.88	-161.22
		774	784.46	92.08	-268.79	15.74	-192.45	147.38	263.14	34.39	256.87	40.66	37.36
		435	2144.70	237.82	-218.94	-23.15	42.03	226.04	-160.20	-801.41	-654.95	-306.65	269.19
534	2	340	2672.61	-77.15	-865.34	-320.55	-621.94	-364.14	276.66	-679.59	-395.90	-7.04	436.80
		762	914.92	68.89	-578.26	-357.68	-151.69	-306.74	16.44	-231.34	-9.70	-205.20	76.11
		774	1466.15	211.57	-365.41	7.58	-161.42	-275.84	-170.25	-507.67	-293.34	-384.58	-162.43
		435	2205.65	143.18	-818.81	-63.42	-612.21	-395.05	-116.59	-749.37	-679.54	-186.42	198.27
535	1	435	1454.37	49.36	-139.48	-31.88	-58.23	93.50	-259.26	-618.16	-618.15	-259.26	1.74
		774	1058.36	196.67	-70.15	-31.88	158.40	93.53	164.68	-263.14	139.18	-237.64	101.29
		763	1077.27	176.63	-321.50	-303.28	158.40	93.53	310.64	1.70	308.88	3.47	23.31
		341	1378.35	-26.63	-334.88	-303.28	-58.23	93.50	-5.05	-461.56	-448.45	-18.16	-76.24
535	2	435	2633.45	112.58	-618.15	19.17	-524.74	-243.99	-128.65	-1011.95	-980.85	-159.75	-162.81
		774	1063.60	79.33	-970.66	19.17	-910.50	-244.04	305.71	55.67	195.41	165.96	-124.15
		763	2333.15	-72.19	-981.54	-143.23	-910.50	-244.04	745.88	301.48	317.85	729.50	83.72
		341	3196.31	-24.28	-643.69	-143.23	-524.74	-243.99	405.39	-860.02	-858.41	403.78	45.05
536	1	341	2092.84	212.74	-368.43	-308.00	152.32	177.39	263.24	-493.46	-480.09	249.87	99.72
		763	1308.06	-21.22	-417.67	-308.00	-130.89	177.35	451.82	366.75	420.22	398.35	-41.10
		775	895.94	108.64	-262.20	-22.67	-130.89	177.35	150.27	-195.19	150.21	-195.13	4.43
		401	1962.22	262.61	-132.97	-22.67	152.32	177.39	-297.05	-796.66	-750.09	-343.62	145.25
536	2	341	2047.15	-90.19	-638.03	-103.37	-624.85	-83.94	-86.73	-762.00	-658.37	-190.36	243.39
		763	995.74	-38.19	-211.29	-103.37	-146.11	-83.87	-27.97	-382.10	-80.41	-329.66	125.77
		775	886.42	91.40	-175.73	61.78	-146.11	-83.87	-121.27	-339.86	-234.14	-226.99	-109.23
		401	2307.59	71.89	-634.96	61.78	-624.85	-83.94	-87.59	-812.20	-812.10	-87.69	8.38
537	1	401	1570.50	48.31	-62.81	-13.56	-0.94	55.20	-352.57	-678.62	-675.37	-355.82	-32.36
		775	1336.90	189.26	-28.60	-13.56	174.22	55.22	65.61	-429.10	48.18	-411.67	91.21
		764	1321.03	179.02	-461.02	-456.22	174.22	55.22	270.56	-130.21	258.14	-117.79	-69.45
		334	1686.50	5.65	-462.82	-456.22	-0.94	55.20	15.53	-542.88	-465.41	-61.94	-193.02
537	2	401	3249.02	64.41	-348.90	47.20	-331.69	-82.56	-97.05	-1231.45	-1177.68	-150.82	-241.06
		775	971.47	56.44	-691.50	47.20	-682.27	-82.61	306.67	71.49	175.54	202.63	-116.81
		764	2848.28	-303.05	-700.26	-321.05	-682.27	-82.61	1052.81	435.28	451.38	1036.72	98.39
		334	3696.01	-243.64	-409.10	-321.05	-331.69	-82.56	683.69	-902.26	-901.83	683.27	-25.86
538	1	334	2737.65	67.41	-502.96	-470.06	34.51	132.98	227.13	-770.27	-770.13	226.99	-11.77
		764	2109.77	-49.74	-512.18	-470.06	-91.86	133.06	789.14	379.65	671.04	497.76	-185.51
		766	1433.71	32.52	-234.20	-109.82	-91.86	133.06	501.84	13.43	470.32	44.95	-120.00
		429	2458.05	113.65	-188.95	-109.82	34.51	132.98	-221.96	-974.70	-970.85	-225.82	53.74
538	2	334	2237.06	-225.03	-382.73	-264.77	-343.00	-68.46	93.07	-780.76	-706.06	18.37	244.33
		764	1018.63	275.79	-273.53	-264.77	267.03	-68.83	152.88	-193.47	41.59	-82.17	161.74
		766	534.10	279.00	-128.53	-116.55	267.03	-68.83	-19.19	-126.31	-31.82	-113.68	34.54
		429	2193.79	-97.46	-362.09	-116.55	-343.00	-68.46	4.35	-796.96	-779.46	-13.15	117.12
539	1	765	349.27	73.56	-8.85	70.45	-5.73	15.71	1.69	-112.47	-89.64	-21.14	-45.66
		792	124.36	75.26	19.24	70.45	24.05	15.69	1.58	-33.12	-14.51	-17.03	-17.31
		778	158.25	26.19	-90.68	-88.53	24.05	15.69	31.86	-12.79	16.36	2.71	-21.25
		751	299.14	-2.85	-91.41	-88.53	-5.73	15.71	27.22	-87.39	-58.76	-1.40	-49.61
539	2	765	128.84	-8.42	-57.39	-55.49	-10.32	-9.46	37.21	-13.97	17.98	5.26	-24.79
		792	117.45	-5.80	-57.29	-55.49	-7.60	-9.46	1.82	-35.28	-0.98	-32.48	9.81
		778	172.47	80.44	-8.61	79.43	-7.60	-9.46	50.91	8.02	40.02	18.90	-18.66
		751	317.31	80.41	-11.31	79.43	-10.32	-9.46	111.09	4.53	58.98	56.64	-53.26
540	1	751	432.82	73.11	-103.69	-96.07	65.49	-35.90	17.14	-126.95	-72.15	-37.66	-69.95
		778	284.27	-18.80	-151.25	-83.91	-86.14	-66.21	67.51	-32.72	-22.16	56.95	-30.78
		794	1060.77	75.19	-109.37	56.52	-90.70	-55.66	384.60	48.04	68.16	364.48	79.81
		767	734.85	118.35	25.37	73.68	70.04	-46.45	276.27	11.77	18.17	269.87	40.63
540	2	751	1056.31	46.22	-264.76	46.22	-264.75	-1.10	411.99	85.29	266.20	231.09	162.40
		778	673.65	233.00	8.38	47.64	193.74	85.31	109.71	-130.22	-36.83	16.32	116.98
		794	942.52	217.56	-16.96	-1.62	202.22	57.99	259.03	-102.14	-70.17	227.06	-102.58
		767	1215.29	-12.51	-275.87	-15.15	-273.24	26.22	456.44	218.25	232.86	441.83	-57.16
541	1	767	1508.58	48.84	-280.24	48.36	-279.75	-12.63	527.97	79.63	83.30	524.30	-40.41

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		794	1319.47	63.06	20.90	61.91	22.05	6.86	504.90	25.13	25.74	504.29	-17.15
		779	317.89	24.03	-60.26	-52.25	16.02	24.72	15.00	-95.29	4.31	-84.60	-32.63
		752	526.03	-44.08	-277.77	-48.13	-273.72	-30.49	83.03	-85.75	61.87	-64.59	-55.89
541	2	767	1785.52	483.23	-2.71	12.62	467.89	84.96	-111.97	-600.24	-112.52	-599.69	-16.37
		794	1520.39	63.25	-45.21	4.82	13.23	54.07	69.92	-526.41	67.89	-524.38	-34.71
		779	414.79	41.51	-18.21	2.67	20.63	28.48	107.59	-66.81	97.81	-57.03	40.13
		752	598.00	486.11	-16.49	9.13	460.49	110.55	-43.94	-171.00	-82.60	-132.34	58.46
542	1	752	374.50	-13.82	-109.34	-86.55	-36.62	-40.72	17.04	-122.01	15.56	-120.54	14.25
		779	218.44	-39.22	-182.92	-74.78	-147.37	-62.01	53.77	-13.26	53.30	-12.79	-5.56
		795	750.46	76.06	-163.88	63.01	-150.83	-54.42	216.36	-37.46	34.94	143.96	114.60
		768	694.60	96.12	-51.21	78.07	-33.16	-48.31	152.52	-119.12	-2.81	36.21	134.41
542	2	752	962.37	-11.01	-92.52	-12.50	-91.04	-10.90	359.30	15.19	216.56	157.93	169.54
		779	811.68	428.81	-19.48	-5.31	414.64	78.43	75.10	-213.39	-80.46	-57.82	143.80
		795	1242.76	428.15	-3.03	3.01	422.12	50.66	328.95	-76.07	-61.20	314.08	-76.16
		768	1309.52	-1.63	-101.46	-4.57	-98.52	16.88	538.24	227.42	235.83	529.84	-50.42
543	1	768	1220.19	58.86	-320.58	58.85	-320.57	1.77	406.99	79.99	81.17	405.81	19.59
		795	1013.84	78.21	-13.46	73.15	-8.40	20.93	373.44	5.13	10.31	368.26	43.37
		780	412.21	7.27	-83.46	-62.02	-14.18	38.54	-2.59	-151.44	-2.81	-151.23	5.65
		753	606.63	-55.58	-315.76	-56.55	-314.80	-15.84	69.84	-115.47	68.05	-113.68	-18.13
543	2	768	1708.65	576.71	11.05	18.36	569.39	63.92	-113.23	-547.29	-114.20	-546.33	-20.41
		795	1453.28	139.03	2.99	12.83	129.19	35.24	75.68	-471.13	73.62	-469.07	-33.50
		780	496.69	136.38	-8.71	-7.74	135.40	11.84	119.70	-65.09	108.72	-54.11	43.70
		753	666.61	576.39	-13.99	-0.78	563.18	87.32	-42.72	-167.75	-79.10	-131.37	56.79
544	1	753	572.87	-17.05	-112.03	-93.96	-35.12	-37.28	33.14	-182.89	16.05	-165.80	58.32
		780	366.67	-48.35	-183.33	-81.54	-150.13	-58.13	65.29	-78.28	60.99	-73.97	24.49
		796	680.44	82.52	-164.38	71.63	-153.48	-50.70	164.50	-85.92	19.36	59.22	123.61
		769	786.46	102.03	-46.70	87.10	-31.77	-44.70	128.39	-186.57	-25.58	-32.61	157.44
544	2	753	1032.63	-13.06	-104.36	-38.15	-79.27	-40.76	368.15	3.81	223.50	148.46	178.26
		780	810.58	436.54	-32.59	-28.40	432.35	44.13	84.79	-216.71	-76.70	-55.23	150.37
		796	1327.71	439.29	15.03	15.79	438.53	17.96	358.88	-64.91	-57.26	351.23	-56.43
		769	1342.00	14.35	-87.58	12.22	-85.45	-14.59	557.51	240.35	242.94	554.92	-28.53
545	1	769	1109.40	66.78	-300.93	66.34	-300.49	12.66	366.56	69.20	72.68	363.08	31.98
		796	912.67	91.04	-7.65	80.66	2.74	30.28	329.00	-14.48	-3.40	317.92	60.69
		781	467.04	21.10	-94.44	-70.88	-2.47	46.56	-1.36	-168.86	-2.58	-167.64	14.24
		754	618.63	-64.22	-295.35	-64.27	-295.29	-3.61	74.56	-123.55	73.50	-122.49	-14.47
545	2	769	1626.01	527.49	19.35	22.65	524.19	40.83	-113.87	-528.92	-114.13	-528.66	-10.31
		796	1360.43	75.52	16.11	18.96	72.67	12.70	81.00	-449.16	80.09	-448.25	-21.97
		781	548.20	79.08	-23.24	-22.27	78.11	-9.91	132.33	-80.16	114.72	-62.55	58.58
		754	696.78	526.19	-21.86	-14.42	518.75	63.43	-34.16	-188.30	-79.50	-142.96	70.23
546	1	754	669.30	6.18	-114.33	-100.63	-7.53	-38.26	45.65	-203.97	20.76	-179.08	74.80
		781	419.57	-47.22	-175.33	-88.12	-134.43	-59.72	74.08	-97.55	69.45	-92.92	27.81
		797	629.89	88.73	-149.72	76.72	-137.70	-52.17	131.15	-107.04	6.57	17.54	118.97
		770	838.32	110.49	-22.55	92.20	-4.26	-45.82	111.11	-221.85	-42.12	-68.62	165.95
546	2	754	1132.82	-26.61	-210.40	-58.85	-178.16	-69.90	379.12	-17.31	221.70	140.11	193.97
		781	810.45	325.09	-47.10	-46.91	324.90	8.26	98.22	-228.73	-75.11	-55.41	163.18
		797	1318.70	330.53	34.42	35.25	329.70	-15.64	383.88	-60.65	-57.72	380.95	-35.96
		770	1453.33	44.88	-192.25	35.59	-182.96	-46.00	576.55	239.01	239.09	576.47	-5.17
547	1	770	1057.76	67.07	-266.24	66.58	-265.75	12.78	354.60	67.51	70.02	352.10	26.71
		797	896.70	87.65	-12.62	79.71	-4.69	27.06	310.82	-32.82	-18.85	296.84	67.88
		783	470.95	9.91	-95.64	-76.84	-8.89	40.38	6.53	-165.77	5.76	-165.00	11.49
		756	612.88	-69.64	-261.55	-69.64	-261.55	-0.54	98.85	-113.97	94.62	-109.74	-29.68
547	2	770	1510.57	381.84	34.76	35.62	380.99	17.21	-131.64	-528.00	-132.10	-527.55	-13.46
		797	1334.53	37.65	-69.00	36.76	-68.11	-9.74	90.78	-425.71	90.44	-425.37	-13.24
		783	696.56	-37.18	-98.91	-72.14	-63.96	-30.60	191.22	-87.63	153.56	-49.96	95.31
		756	717.01	380.12	-64.01	-60.72	376.84	38.07	-6.78	-214.34	-68.98	-152.14	95.09
548	1	756	672.48	13.78	-102.03	-61.22	-27.03	-55.33	57.30	-197.12	-48.80	-91.02	125.45
		783	572.60	-90.45	-157.55	-104.91	-143.10	-27.58	110.67	-129.55	58.49	-77.37	99.05
		782	575.28	143.83	-145.38	140.36	-141.91	-31.50	101.56	-129.22	-0.01	-27.65	114.56
		755	779.73	123.93	-45.59	106.56	-28.22	-51.41	70.46	-219.07	-107.31	-41.30	140.95
548	2	756	861.35	32.14	-387.73	18.51	-374.09	74.43	290.56	-7.29	153.58	129.70	148.44
		783	832.54	236.03	-19.57	34.02	182.44	-104.05	-29.12	-284.18	-211.49	-101.81	115.14
		782	1875.66	224.68	62.63	77.44	209.87	-46.69	589.26	-125.42	-121.80	585.64	-50.76
		755	2205.39	43.36	-402.17	42.70	-401.52	17.08	817.68	242.74	243.27	817.15	-17.45
549	1	755	1464.92	234.89	-265.46	212.64	-243.21	103.13	514.63	115.07	115.09	514.60	-3.01
		782	1078.51	158.09	-106.09	137.94	-85.94	70.13	167.73	-281.55	-147.71	33.88	205.47
		829	687.25	5.00	-136.53	-51.61	-79.92	69.34	225.65	-15.24	-6.03	216.44	-46.17
		777	2193.48	-77.44	-312.09	-140.30	-249.23	103.92	813.62	140.31	256.77	697.16	-254.66
549	2	755	1603.72	451.67	105.16	107.84	448.99	-30.35	-176.99	-568.60	-185.52	-560.07	-57.16
		782	1709.50	39.27	-287.86	34.46	-283.06	39.37	533.58	-94.59	92.46	346.53	-287.24
		829	938.29	-0.47	-297.85	-52.93	-245.40	113.35	80.09	-235.58	-38.24	-117.25	152.82
		777	3291.47	433.10	-88.60	-66.83	411.33	-104.34	-148.69	-1191.39	-316.21	-1023.86	382.90
550	1	777	498.26	-43.99	-234.64	-57.14	-221.49	48.33	156.94	87.61	90.51	154.03	-13.89

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		829	465.08	-5.96	-102.59	-57.14	-51.40	48.23	158.37	-24.07	-22.76	157.07	15.36
		827	290.72	18.81	-84.53	-14.32	-51.40	48.23	92.33	-20.78	-16.31	87.86	22.03
		758	345.51	-3.60	-232.21	-14.32	-221.49	48.33	100.33	81.46	96.96	84.83	-7.23
550	2	777	1150.27	150.41	-124.14	-119.01	145.28	-37.18	-111.66	-429.89	-135.63	-405.92	83.99
		829	1033.44	-93.55	-172.80	-119.01	-147.35	-37.01	83.38	-325.50	73.64	-315.77	62.34
		827	949.78	-11.49	-157.43	-21.57	-147.35	-37.01	92.54	-277.27	70.01	-254.75	88.44
		758	1049.78	153.19	-29.48	-21.57	145.28	-37.18	-91.44	-392.72	-139.26	-344.90	110.09
551	1	758	356.25	-4.85	-199.27	-10.26	-193.86	31.98	37.44	-62.21	36.52	-61.29	9.52
		827	112.54	21.13	-42.62	-10.26	-11.24	31.87	38.04	11.63	19.67	30.00	12.15
		825	286.10	25.03	-39.25	-2.99	-11.24	31.87	46.68	-61.22	13.97	-28.51	49.60
		776	555.19	2.23	-199.08	-2.99	-193.86	31.98	44.28	-133.25	30.83	-119.81	46.97
551	2	758	775.58	41.51	-98.80	-31.05	-26.23	-70.11	-55.19	-302.98	-79.10	-279.08	73.16
		827	931.05	4.43	-169.36	-31.05	-133.88	-70.05	48.01	-311.43	14.90	-278.32	103.95
		825	689.22	33.45	-163.20	4.12	-133.88	-70.05	86.27	-196.56	45.12	-155.41	99.72
		776	532.23	60.68	-82.79	4.12	-26.23	-70.11	-15.18	-189.87	-48.87	-156.17	68.93
552	1	776	575.96	2.15	-123.26	1.10	-122.21	11.43	16.84	-176.52	8.63	-168.30	39.01
		825	356.82	7.29	-20.90	1.10	-14.71	11.67	41.77	-101.54	23.77	-83.54	47.49
		826	538.71	-12.92	-90.63	-88.84	-14.71	11.67	77.37	-148.15	27.84	-98.63	93.36
		757	689.82	-85.30	-125.74	-88.84	-122.21	11.43	44.34	-215.02	12.70	-183.39	84.88
552	2	776	583.14	12.81	-240.60	-8.39	-219.39	-70.18	27.58	-166.55	10.75	-149.73	54.62
		825	682.59	20.48	-178.17	-8.39	-149.29	-70.02	58.04	-212.26	-12.15	-142.08	118.51
		826	709.06	56.76	-173.08	32.97	-149.29	-70.02	194.01	-55.56	58.74	79.71	124.35
		757	465.20	51.17	-237.59	32.97	-219.39	-70.18	137.50	16.20	81.63	72.06	60.46
553	1	757	674.76	75.09	-85.32	-49.14	38.91	-67.04	32.08	-207.45	-83.31	-92.06	119.68
		826	591.26	-101.98	-160.35	-107.36	-154.97	-16.88	85.17	-158.79	24.56	-98.17	105.42
		828	578.94	142.86	-157.79	140.49	-155.42	-26.60	99.23	-126.26	-14.09	-12.94	112.75
		759	750.93	133.87	4.58	99.10	39.35	-57.32	75.06	-203.84	-121.96	-6.82	127.01
553	2	757	1309.51	53.19	-562.51	35.99	-545.32	101.44	467.73	100.07	220.89	346.91	172.70
		826	841.42	84.30	-106.11	77.46	-99.27	-35.45	39.21	-259.51	-213.06	-7.24	108.25
		828	1841.15	-36.44	-83.12	-37.01	-82.55	5.12	589.37	-148.42	-138.98	579.93	-82.92
		759	2563.24	-28.69	-568.98	-35.64	-562.03	60.86	934.61	294.44	294.97	934.08	-18.47
554	1	759	993.07	219.50	-227.16	190.24	-197.90	110.51	331.21	80.94	82.87	329.28	-21.89
		828	1049.97	183.07	-4.77	145.44	32.86	75.18	248.16	-198.62	-168.40	217.94	112.20
		798	246.88	52.00	-163.40	-143.12	31.72	62.91	51.32	-7.47	-7.45	51.29	-1.19
		771	1040.77	-79.30	-325.11	-207.65	-196.76	122.78	344.46	61.99	243.82	162.63	-135.28
554	2	759	904.21	175.46	38.44	40.20	173.70	-15.44	-164.95	-351.92	-180.90	-335.96	-52.24
		828	942.18	13.31	-550.37	6.76	-543.82	60.39	257.30	-101.77	133.95	21.58	-170.52
		798	1205.10	38.24	-542.73	9.01	-513.50	127.01	120.39	-262.35	-3.47	-138.49	179.07
		771	1921.12	187.44	-9.44	34.63	143.37	-82.06	-96.84	-717.52	-318.33	-496.03	297.35
555	1	771	601.59	64.89	-101.83	-85.09	48.15	-50.10	25.63	-184.68	-46.41	-112.64	99.80
		798	567.33	-39.06	-121.84	-113.81	-47.08	-24.50	80.95	-144.47	35.72	-99.24	90.28
		787	538.99	111.81	-53.02	106.36	-47.57	-29.48	55.71	-160.30	-21.54	-83.04	103.53
		760	654.65	116.52	18.64	86.52	48.64	-45.12	13.06	-213.17	-103.67	-96.44	113.06
555	2	771	1044.14	-32.94	-622.19	-51.26	-603.86	102.29	119.19	-189.66	39.71	-110.19	135.02
		798	887.62	-44.76	-305.50	-44.77	-305.48	1.88	-29.48	-297.78	-111.22	-216.05	123.49
		787	1675.64	16.96	-293.36	13.06	-289.46	34.56	542.46	-22.15	-22.07	542.38	-6.84
		760	1990.96	-1.79	-627.72	-9.63	-619.88	69.62	648.28	128.82	128.86	648.24	4.69
556	1	760	844.17	184.38	-163.89	156.80	-136.31	94.05	302.35	99.99	101.50	300.84	-17.42
		787	990.90	162.79	36.93	117.76	81.96	60.33	215.66	-202.10	-169.34	182.91	112.30
		799	209.29	90.41	-140.86	-130.49	80.03	47.87	26.95	-11.09	-10.49	26.34	-4.77
		772	1030.91	-51.82	-271.79	-189.24	-134.38	106.51	348.80	55.83	260.36	144.27	-134.49
556	2	760	728.13	84.33	-24.98	74.15	-14.80	31.76	-159.51	-313.23	-166.36	-306.38	-31.72
		787	937.51	45.27	-767.64	30.08	-752.45	110.07	230.89	-89.08	138.09	3.71	-145.19
		799	1229.15	37.97	-762.07	-5.79	-718.31	181.93	105.66	-227.56	3.18	-125.08	153.78
		772	1629.75	33.70	-68.40	14.25	-48.94	-40.10	-92.72	-643.73	-301.28	-435.18	267.25
557	1	772	687.87	127.69	-99.34	-74.72	103.07	-70.59	25.51	-201.82	-44.25	-132.06	104.84
		799	636.50	-5.74	-116.72	-104.25	-18.20	-35.05	79.77	-166.55	37.29	-124.07	93.06
		788	558.10	118.70	-33.82	105.29	-20.41	-43.19	43.79	-170.23	-25.28	-101.15	100.06
		761	686.27	159.65	33.55	87.92	105.27	-62.45	3.87	-219.84	-106.83	-109.15	111.85
557	2	772	1033.10	-43.01	-812.52	-74.14	-781.39	151.61	114.98	-145.15	41.60	-71.77	117.06
		799	907.34	-63.71	-502.73	-69.92	-496.53	51.81	-38.62	-263.67	-116.21	-186.08	106.96
		788	1885.19	22.66	-494.09	8.38	-479.82	84.68	570.58	-22.95	-20.91	568.54	-34.72
		761	2203.50	0.56	-815.75	-17.10	-798.10	118.73	683.96	135.80	136.91	682.85	-24.62
558	1	761	777.11	196.56	-122.15	171.61	-97.19	85.62	282.52	95.80	100.70	277.62	-29.83
		788	954.86	167.83	58.03	127.96	97.90	52.80	189.08	-214.91	-181.52	155.69	111.24
		800	197.08	105.11	-137.32	-129.47	97.25	42.92	27.25	-7.88	-4.52	23.88	-10.34
		773	1105.21	-37.47	-250.94	-191.86	-96.55	95.50	376.91	46.61	277.70	145.82	-151.41
558	2	761	781.21	109.71	-182.17	82.67	-155.13	84.63	-134.37	-315.22	-163.10	-286.49	-66.11
		788	1152.40	58.28	-943.60	29.94	-915.25	166.12	263.41	-99.65	137.32	26.44	-172.86
		800	1267.92	34.62	-942.23	-30.25	-877.36	243.23	82.77	-202.68	10.77	-130.67	123.98
		773	1568.49	-13.01	-193.34	-13.33	-193.03	7.51	-123.40	-609.84	-289.65	-443.59	230.72
559	1	773	689.42	143.72	-104.89	-77.44	116.27	-77.92	20.87	-199.26	-38.86	-139.53	97.88

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		800	640.92	10.22	-124.41	-109.70	-4.49	-42.00	77.93	-164.06	44.28	-130.41	83.74
		789	556.45	133.74	-24.28	116.01	-6.56	-49.87	32.26	-175.17	-26.47	-116.43	93.45
		762	696.23	178.34	36.56	96.56	118.33	-70.05	-9.69	-225.48	-109.60	-125.56	107.60
559	2	773	1106.37	-47.78	-931.20	-95.04	-883.94	198.79	84.95	-148.89	41.87	-105.80	90.66
		800	996.68	-75.85	-617.84	-93.19	-600.50	95.39	-58.39	-262.00	-102.81	-217.58	84.09
		789	1951.27	37.49	-609.55	10.26	-582.32	129.91	573.61	-6.14	-0.29	567.76	-57.94
		762	2281.52	10.23	-931.69	-19.35	-902.12	164.27	684.43	139.50	144.38	679.54	-51.37
560	1	762	721.02	212.76	-106.32	191.59	-85.16	79.41	256.33	80.24	93.49	243.09	-46.44
		789	871.34	164.98	60.91	137.20	88.69	46.03	162.98	-210.21	-183.14	135.91	96.80
		801	278.11	96.60	-162.87	-156.62	90.35	39.79	51.79	-8.05	-6.93	50.67	-8.12
		774	1099.39	-46.57	-269.14	-228.90	-86.81	85.65	375.13	52.42	269.70	157.85	-151.36
560	2	762	758.78	148.16	-272.75	89.52	-214.11	145.75	-83.85	-298.39	-135.32	-246.92	-91.62
		789	1349.43	79.95	-958.72	30.95	-909.73	220.21	313.10	-88.85	154.43	69.82	-196.48
		801	1114.29	35.45	-967.35	-59.98	-871.93	294.25	103.06	-120.45	40.72	-58.10	100.24
		774	1447.97	-28.48	-274.92	-51.49	-251.90	71.71	-97.41	-526.47	-249.03	-374.85	205.10
561	1	774	651.98	187.36	-145.74	-136.72	178.35	-54.05	39.35	-158.70	2.55	-121.90	77.03
		801	461.83	-27.78	-163.57	-136.72	-54.62	-54.08	103.26	-65.99	102.88	-65.61	7.99
		790	458.87	147.68	-69.08	133.22	-54.62	-54.08	12.50	-157.68	-21.15	-124.02	67.78
		763	874.44	214.35	97.22	133.22	178.35	-54.05	-10.95	-290.85	-121.48	-180.32	136.82
561	2	774	1011.68	-120.45	-905.99	-120.58	-905.87	9.93	283.71	-18.74	165.46	99.52	147.59
		801	672.44	-120.33	-524.77	-120.58	-524.52	9.99	36.57	-181.59	-88.50	-56.51	107.90
		790	2158.30	75.14	-524.69	74.97	-524.52	9.99	625.19	-80.14	-74.68	619.73	-61.79
		763	2488.95	75.07	-905.97	74.97	-905.87	9.93	776.58	178.46	179.28	775.76	-22.10
562	1	763	834.06	146.80	-131.34	126.92	-111.47	71.64	277.45	29.77	35.93	271.29	-38.57
		790	764.43	200.27	56.87	126.92	130.22	71.68	211.41	-89.81	-84.75	206.35	38.72
		802	660.36	148.39	-152.52	-134.35	130.22	71.68	4.21	-187.38	-0.43	-182.74	-29.45
		775	809.74	-50.36	-195.46	-134.35	-111.47	71.64	161.10	-158.66	120.24	-117.80	-106.75
562	2	763	1081.72	145.35	-174.67	112.50	-141.82	97.13	-136.09	-447.15	-197.27	-385.97	-123.65
		790	1272.83	124.46	-675.10	112.50	-663.14	97.06	83.25	-273.00	58.31	-248.06	-90.91
		802	824.62	-65.89	-678.91	-81.66	-663.14	97.06	155.27	-48.10	139.72	-32.55	54.04
		775	527.60	-10.06	-213.42	-81.66	-141.82	97.13	-108.53	-177.79	-115.86	-170.47	21.30
563	1	775	952.35	214.91	-137.09	-124.20	202.01	-66.13	-1.98	-286.21	-14.90	-273.29	59.21
		802	832.09	16.97	-155.20	-124.20	-14.04	-66.16	112.35	-219.05	111.80	-218.50	-13.51
		791	721.26	144.61	-41.63	117.02	-14.04	-66.16	-9.64	-263.54	-16.10	-257.08	39.96
		764	1028.17	238.13	80.91	117.02	202.01	-66.13	-86.46	-368.20	-142.79	-311.87	112.69
563	2	775	1042.12	-74.75	-667.73	-78.07	-664.42	44.21	335.15	44.40	183.82	195.72	145.25
		802	637.24	-35.07	-123.69	-78.07	-80.69	44.29	90.32	-160.26	-107.57	37.63	102.11
		791	2521.02	112.48	-90.85	102.32	-80.69	44.29	861.87	-86.76	-82.38	857.50	-64.29
		764	2941.07	104.86	-666.96	102.32	-664.42	44.21	1016.14	208.46	209.01	1015.59	-21.15
564	1	764	723.49	105.55	-59.90	102.15	-56.50	23.48	269.59	49.97	76.71	242.85	-71.81
		791	665.05	107.13	-8.35	102.15	-3.37	23.45	87.27	-183.15	-133.54	37.66	104.67
		793	269.84	2.56	-96.18	-90.25	-3.37	23.45	63.32	-26.93	39.35	-2.96	-39.86
		766	1222.36	-44.45	-102.29	-90.25	-56.50	23.48	443.53	8.29	249.60	202.23	-216.33
564	2	764	1005.86	348.90	80.17	146.15	282.93	115.66	29.49	-296.48	-167.39	-99.61	-159.43
		791	1070.50	174.64	-326.12	146.15	-297.63	116.00	287.58	-56.92	75.70	154.96	-167.63
		793	453.16	-165.06	-399.13	-266.56	-297.63	116.00	118.32	59.39	62.55	115.16	13.27
		766	633.61	306.28	-289.91	-266.56	282.93	115.66	-130.24	-189.71	-180.54	-139.41	21.48
565	1	856	236.48	-5.33	-81.90	-70.39	-16.84	27.37	44.82	-44.64	-44.03	44.21	-7.35
		411	716.20	-6.70	-87.60	-77.33	-16.97	26.93	-12.71	-260.61	-254.00	-19.33	-39.95
		330	815.15	37.45	-30.05	23.50	-16.11	27.33	4.02	-291.76	-276.00	-11.74	-66.44
		843	347.38	31.39	-32.52	16.56	-17.70	26.98	60.82	-75.06	-66.03	51.79	-33.84
565	2	856	447.04	9.01	-49.94	-6.06	-34.87	25.72	173.15	21.31	161.45	33.01	-40.49
		411	727.68	34.78	-12.42	1.15	21.21	21.36	-61.43	-297.64	-293.58	-65.49	-30.69
		330	902.80	24.56	-105.23	-101.23	20.55	22.44	89.91	-260.40	-248.10	77.61	-64.47
		843	675.05	-25.41	-103.19	-94.40	-34.21	24.64	267.38	115.67	206.93	176.11	-74.27
566	1	662	94.83	24.49	17.09	20.43	21.14	-3.68	25.36	-11.37	4.25	9.75	-18.16
		856	154.92	17.68	-20.34	16.15	-18.81	-7.48	51.46	-0.71	40.72	10.03	-21.09
		843	312.05	-16.30	-37.62	-35.43	-18.48	-6.47	130.42	46.55	54.45	122.52	-24.50
		299	345.85	21.18	-39.69	-39.32	20.82	-4.69	126.52	13.69	17.98	122.24	-21.56
566	2	662	140.87	9.58	-15.50	-15.50	9.58	0.07	42.28	-14.25	21.68	6.34	-27.20
		856	510.95	-11.67	-31.09	-12.64	-30.12	-4.22	192.63	3.05	122.79	72.88	-91.44
		843	473.67	25.62	-30.83	25.49	-30.69	-2.76	188.88	44.53	64.32	169.08	-49.65
		299	347.72	28.86	10.05	28.75	10.15	-1.39	104.06	-38.30	-36.79	102.55	-14.59
567	1	843	639.69	75.58	-87.83	23.91	-36.16	75.98	93.14	-144.38	-108.91	57.66	-84.66
		330	864.54	67.09	-110.44	22.68	-66.04	76.89	103.67	-227.52	-211.37	87.52	-71.33
		486	721.47	52.52	-116.86	1.45	-65.79	77.73	93.04	-189.80	-187.06	90.30	-27.72
		858	451.31	59.38	-95.35	0.43	-36.40	75.14	71.26	-95.40	-84.59	60.44	-41.05
567	2	843	369.76	90.43	-104.22	-99.87	86.07	-28.78	116.40	-12.60	84.20	19.59	-55.82
		330	846.74	0.52	-101.19	-94.36	-6.31	-25.45	142.74	-197.96	-122.32	67.10	-141.60
		486	620.14	32.04	-20.73	18.00	-6.69	-23.32	-49.57	-252.71	-233.11	-69.17	-59.98
		858	368.05	99.18	11.41	24.14	86.45	-30.91	-19.72	-123.54	-26.59	-116.68	25.80
568	1	299	328.95	0.98	-71.62	-48.62	-22.02	33.78	133.20	34.60	34.62	133.18	-1.25

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		843	426.46	-20.19	-85.93	-53.25	-52.87	32.87	158.16	34.25	47.47	144.94	-38.26
		858	235.38	50.78	-61.90	41.05	-52.17	31.65	39.47	-34.97	-21.67	26.17	-28.52
		664	150.66	52.92	-38.91	36.73	-22.72	35.00	15.85	-35.95	-34.52	14.41	8.49
568	2	299	74.63	78.50	-9.54	42.05	26.91	-43.36	7.95	-10.67	7.61	-10.33	2.49
		843	179.66	123.38	25.29	47.07	101.59	-40.77	-9.93	-43.21	-18.66	-34.48	14.64
		858	293.81	109.75	-59.62	-50.54	100.66	-38.16	-2.55	-81.97	-4.07	-80.45	-10.87
		664	233.66	49.84	-68.25	-46.25	27.84	-45.97	28.46	-62.56	22.20	-56.31	-23.02
569	1	858	433.25	12.66	-76.21	2.46	-66.01	28.33	59.98	-108.95	-108.95	59.98	-0.25
		486	615.83	6.78	-115.75	-2.13	-106.84	31.83	68.40	-167.64	-167.48	68.25	-6.06
		86	661.31	97.55	-111.14	92.87	-106.46	30.91	49.71	-178.68	-178.00	49.04	12.40
		844	475.76	93.94	-71.72	88.60	-66.39	29.24	42.81	-121.52	-119.47	40.77	18.22
569	2	858	234.95	33.86	-11.90	6.41	15.55	-22.42	41.85	-53.98	40.50	-52.63	11.31
		486	650.40	19.72	-34.51	12.95	-27.73	-17.93	-106.29	-274.27	-274.16	-106.40	4.42
		86	803.36	-25.10	-133.81	-130.16	-28.75	-19.58	54.63	-241.41	-240.63	53.84	-15.24
		844	278.17	19.59	-126.28	-123.26	16.57	-20.76	109.58	72.07	74.03	107.62	-8.35
570	1	664	152.59	31.64	-77.32	31.29	-76.97	-6.21	9.31	-32.71	-29.67	6.26	-10.90
		858	155.86	28.55	-76.03	28.22	-75.71	-5.81	21.87	-20.80	-17.35	18.43	11.63
		844	307.96	-30.43	-76.14	-31.26	-75.31	-6.08	110.05	24.97	37.05	97.97	29.69
		309	251.40	-33.53	-78.17	-34.34	-77.36	-5.94	86.64	23.90	24.73	85.81	7.17
570	2	664	354.21	173.49	-34.43	-34.39	173.45	2.98	-4.10	-92.94	-15.01	-82.03	-29.16
		858	278.09	27.86	-35.82	-32.60	24.64	-13.95	42.32	-70.94	25.84	-54.46	-39.93
		844	308.94	29.43	11.16	17.17	23.41	-8.59	121.32	25.21	26.13	120.39	-9.38
		309	377.34	174.71	20.71	20.75	174.67	-2.38	92.84	-14.73	-14.71	92.82	1.39
571	1	844	530.50	98.55	-81.51	95.36	-78.31	23.77	37.30	-139.27	-133.12	31.15	-32.36
		86	607.99	93.20	-72.50	89.91	-69.21	23.11	50.20	-163.79	-163.78	50.19	-1.68
		491	502.11	1.95	-76.16	-5.65	-68.57	23.14	81.67	-121.78	-119.77	79.66	20.14
		859	392.48	-3.69	-86.44	-11.18	-78.95	23.74	61.37	-89.85	-89.11	60.63	-10.55
571	2	844	204.72	151.42	-111.87	-111.21	150.76	-13.18	30.14	-9.51	19.40	1.23	-17.62
		86	681.87	-20.46	-106.37	-105.83	-21.00	-6.77	65.22	-195.35	-172.11	41.98	-74.27
		491	584.49	1.83	-21.25	1.62	-21.04	-2.18	-57.32	-240.15	-240.06	-57.40	-3.96
		859	412.52	152.99	6.23	8.41	150.80	-17.77	-15.12	-131.58	-48.56	-98.15	52.69
572	1	309	318.90	-32.95	-112.89	-36.17	-109.67	15.71	108.72	23.33	30.11	101.93	23.10
		844	339.64	-35.22	-95.78	-40.32	-90.67	16.82	121.46	42.09	43.21	120.34	-9.37
		859	142.49	44.87	-92.44	42.68	-90.25	17.20	12.79	-20.11	-17.52	10.21	8.85
		665	224.45	39.87	-111.66	38.30	-110.09	15.33	23.40	-62.23	-30.62	-8.20	41.32
572	2	309	211.60	172.08	16.07	17.41	170.74	-14.40	10.77	-40.26	-3.97	-25.52	23.13
		844	272.76	165.89	18.93	20.45	164.36	-14.89	10.35	-69.81	-20.78	-38.68	39.07
		859	376.79	165.10	-40.44	-39.35	164.01	-14.92	7.98	-92.44	0.26	-84.72	26.75
		665	351.39	172.08	-37.22	-36.23	171.08	-14.37	18.37	-72.86	17.08	-71.56	10.81
573	1	859	475.93	8.27	-75.01	4.85	-71.58	-16.54	67.71	-116.83	-104.21	55.09	46.59
		491	458.22	10.45	-42.74	0.43	-32.71	-20.80	61.28	-123.54	-119.47	57.22	27.11
		118	515.76	94.60	-34.89	91.66	-31.95	-19.29	-4.11	-167.57	-160.24	-11.44	33.83
		845	523.85	88.87	-74.37	86.85	-72.35	-18.05	5.34	-163.89	-144.98	-13.57	53.31
573	2	859	315.98	65.26	-14.58	-13.29	63.97	10.07	49.35	-78.69	17.14	-46.49	55.56
		491	738.77	15.89	-19.88	-9.38	5.40	16.29	-89.52	-305.61	-288.35	-106.78	58.59
		118	792.45	6.63	-94.22	-92.18	4.60	14.19	51.95	-243.23	-240.35	49.07	29.01
		845	323.67	65.74	-88.66	-87.70	64.77	12.17	121.36	53.13	65.13	109.36	25.98
574	1	665	177.65	37.66	-118.66	31.52	-112.52	-30.37	1.48	-46.76	-25.40	-19.88	23.96
		859	272.02	33.65	-75.88	27.70	-69.93	-24.82	38.30	-64.47	-12.39	-13.79	51.38
		845	356.95	-27.87	-86.45	-45.22	-69.10	-26.75	109.53	-14.23	50.20	45.10	61.82
		543	250.52	-38.79	-124.20	-49.64	-113.36	-28.44	72.51	3.68	37.19	39.01	34.41
574	2	665	404.83	253.78	-23.84	-21.20	251.14	26.92	-15.37	-94.05	-15.58	-93.84	4.06
		859	273.87	64.02	-20.31	-20.13	63.84	3.91	27.15	-66.77	27.15	-66.77	-0.36
		845	347.96	64.92	16.72	19.46	62.18	11.16	128.45	31.33	41.79	117.99	30.11
		543	443.83	254.47	21.49	23.16	252.80	19.67	102.46	-12.48	-0.94	90.92	34.54
575	1	845	465.12	97.64	-57.36	96.17	-55.89	15.00	-23.85	-154.65	-154.28	-24.23	-7.02
		118	484.73	91.47	-4.80	89.80	-3.13	12.58	-0.70	-162.22	-155.23	-7.69	32.86
		495	425.28	3.84	-22.57	-16.18	-2.55	11.31	61.95	-113.38	-99.37	47.94	47.54
		860	325.63	-16.46	-63.08	-23.07	-56.47	16.27	31.85	-98.86	-98.41	31.40	7.65
575	2	845	182.04	182.66	-75.48	-75.16	182.34	9.02	13.50	-14.06	4.66	-5.22	12.86
		118	558.22	6.48	-74.75	-71.42	3.15	16.11	32.58	-175.32	-169.90	27.16	-33.14
		495	550.75	24.88	-17.92	3.54	3.41	21.40	-50.08	-225.36	-221.67	-53.77	25.17
		860	446.80	182.16	8.92	9.00	182.08	3.73	7.16	-140.43	-47.11	-86.15	71.17
576	1	543	295.80	-43.72	-105.86	-47.20	-102.38	14.29	104.37	3.94	46.55	61.76	49.64
		845	226.72	-42.39	-78.60	-52.63	-68.37	16.30	79.17	55.73	58.12	76.78	7.10
		860	171.25	51.73	-70.37	49.27	-67.90	17.17	-4.30	-47.34	-17.49	-34.15	19.84
		666	353.16	44.58	-104.07	43.36	-102.85	13.42	24.07	-102.30	-29.06	-49.17	62.38
576	2	543	326.31	194.01	13.98	13.98	194.01	0.54	55.99	-62.89	11.61	-18.51	57.50
		845	372.78	188.83	16.40	16.40	188.83	0.10	48.01	-87.65	-2.13	-37.51	65.49
		860	440.40	188.55	-27.78	-27.78	188.55	0.08	23.68	-109.00	6.30	-91.62	44.77
		666	400.95	194.29	-25.28	-25.27	194.29	0.56	32.87	-85.45	20.04	-72.62	36.79
577	1	860	497.39	-1.61	-50.41	-4.98	-47.04	-12.37	58.64	-141.14	-111.68	29.18	70.83

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		495	393.64	22.44	-22.26	-11.25	11.43	-19.25	42.09	-120.88	-106.00	27.21	46.94
		131	500.80	113.84	9.78	111.04	12.58	-16.83	-28.58	-173.94	-156.93	-45.59	46.73
		846	579.31	105.52	-49.61	104.10	-48.18	-14.79	-10.77	-195.46	-162.61	-43.62	70.62
577	2	860	411.51	82.96	-18.80	-13.56	77.71	22.49	74.96	-97.63	14.94	-37.61	82.20
		495	759.30	34.89	-29.72	-10.57	15.74	29.50	-71.00	-303.99	-270.54	-104.44	81.69
		131	762.89	22.79	-79.73	-71.93	14.99	27.19	48.68	-235.71	-229.42	42.39	41.82
		846	378.65	82.55	-72.32	-68.24	78.47	24.81	132.62	32.65	56.06	109.22	42.33
578	1	666	256.35	43.18	-104.42	35.81	-97.06	-32.14	8.32	-84.69	-20.98	-55.39	43.20
		860	376.27	38.50	-52.99	31.13	-45.62	-24.90	45.29	-106.55	-7.86	-53.40	72.43
		846	427.51	-20.78	-76.21	-52.48	-44.52	-27.43	117.99	-44.63	60.46	12.89	77.76
		544	295.45	-42.30	-113.85	-58.00	-98.16	-29.61	80.97	-22.71	47.34	10.91	48.53
578	2	666	423.24	257.93	-16.12	-12.87	254.68	29.66	-0.37	-102.22	-8.94	-93.66	28.27
		860	322.84	74.06	-12.90	-12.52	73.68	5.75	40.67	-77.16	34.92	-71.42	25.38
		846	393.03	74.81	11.52	14.43	71.90	13.27	142.64	26.36	53.59	115.41	49.25
		544	482.13	258.50	15.69	17.73	256.46	22.14	118.22	-15.32	9.73	93.17	52.13
579	1	846	489.62	119.38	-40.34	114.44	-35.41	27.65	-57.99	-174.44	-174.40	-58.03	2.28
		131	482.43	113.17	16.80	106.37	23.60	24.67	-21.24	-174.80	-154.20	-41.84	52.34
		499	450.61	34.70	-27.60	-17.23	24.34	23.20	66.92	-111.10	-84.87	40.68	63.10
		861	333.57	-1.50	-60.61	-25.96	-36.14	29.11	25.79	-106.37	-105.07	24.49	13.05
579	2	846	191.79	188.25	-56.72	-55.42	186.95	17.81	16.67	-33.64	-6.98	-9.98	25.11
		131	494.17	15.25	-62.29	-52.80	5.75	25.42	22.38	-160.58	-159.12	20.92	-16.28
		499	535.12	35.43	-27.21	1.98	6.24	31.25	-39.69	-212.64	-204.26	-48.07	37.14
		861	454.33	187.25	5.80	6.60	186.45	11.99	14.12	-145.22	-52.12	-78.97	78.53
580	1	544	346.47	-45.49	-104.68	-56.20	-93.98	22.78	119.58	-12.27	61.56	45.75	65.45
		846	214.89	-32.58	-84.46	-63.52	-53.52	25.45	78.10	50.39	70.34	58.15	12.44
		861	213.54	70.03	-58.60	64.32	-52.89	26.49	-10.75	-63.60	-20.80	-53.56	20.74
		667	427.45	59.41	-97.68	56.34	-94.61	21.75	28.19	-123.73	-29.57	-65.96	73.75
580	2	544	391.22	185.28	6.46	6.88	184.86	8.64	85.63	-70.77	25.34	-10.49	76.12
		846	410.84	189.78	8.14	8.56	189.36	8.71	67.49	-90.64	11.31	-34.46	75.68
		861	449.68	189.50	-19.13	-18.74	189.11	9.02	25.70	-114.60	6.63	-95.52	48.08
		667	412.36	185.45	-17.47	-17.12	185.11	8.33	41.48	-92.37	20.66	-71.55	48.52
581	1	861	533.40	-2.94	-37.74	-3.78	-36.90	-5.34	58.58	-158.82	-124.25	24.01	79.50
		499	378.37	38.25	-16.44	-12.34	34.16	-14.39	43.41	-112.38	-90.43	21.47	54.20
		327	497.77	145.95	34.60	144.82	35.73	-11.17	-27.28	-168.19	-147.34	-48.13	50.04
		847	641.06	135.74	-38.89	135.32	-38.47	-8.56	-12.02	-214.72	-181.15	-45.59	75.35
581	2	861	459.43	80.85	-23.24	-14.08	71.69	29.48	82.79	-104.78	8.93	-30.92	91.65
		499	748.11	51.50	-30.40	-11.99	33.09	34.19	-58.79	-293.21	-254.26	-97.75	87.26
		327	746.46	43.63	-63.60	-52.53	32.56	32.63	53.37	-227.41	-220.15	46.10	44.57
		847	410.89	79.66	-57.37	-49.94	72.22	31.05	138.14	17.84	43.04	112.93	48.96
582	1	667	306.54	53.18	-106.43	45.23	-98.47	-34.72	18.21	-99.10	-19.19	-61.70	54.67
		861	442.68	46.78	-45.41	39.09	-37.72	-25.48	56.06	-124.86	-2.73	-66.07	84.74
		847	460.29	-18.04	-81.66	-63.45	-36.24	-28.75	127.37	-46.49	71.38	9.51	81.24
		548	320.17	-50.67	-120.02	-70.73	-99.96	-31.45	89.53	-20.73	54.92	13.88	51.17
582	2	667	419.52	238.67	-10.50	-7.10	235.27	28.88	8.35	-106.20	-6.69	-91.16	38.68
		861	344.42	66.08	-7.45	-7.12	65.75	4.89	50.32	-82.17	38.88	-70.73	37.21
		847	419.22	66.77	10.71	13.62	63.86	12.44	154.10	24.25	61.23	117.12	58.61
		548	495.04	239.21	14.71	16.76	237.17	21.33	128.63	-16.28	15.66	96.69	60.07
583	1	847	586.14	169.00	-66.86	152.52	-50.38	60.12	-107.32	-210.83	-210.74	-107.41	-3.09
		327	479.99	163.01	17.51	137.95	42.57	54.94	-63.45	-193.87	-142.95	-114.37	63.63
		404	444.83	89.02	-17.39	27.71	43.92	52.58	68.33	-103.57	-84.66	49.42	53.79
		347	547.69	50.23	-90.02	11.94	-51.73	62.48	57.18	-153.25	-152.45	56.38	-12.93
583	2	847	215.03	189.52	-44.20	-38.18	183.49	37.05	16.96	-37.10	3.48	-23.62	23.39
		327	543.73	49.57	-59.15	-36.59	27.00	44.09	9.96	-187.56	-186.41	8.80	-15.04
		404	543.93	59.62	-48.97	-16.96	27.60	49.52	-30.97	-206.70	-205.20	-32.47	16.17
		347	353.73	187.86	-18.34	-13.37	182.89	31.62	19.87	-100.06	-15.30	-64.89	54.60
584	1	548	455.19	-28.67	-96.13	-69.40	-55.41	33.00	155.94	-13.58	58.24	84.11	83.77
		847	297.94	-51.63	-117.42	-84.70	-84.36	32.89	102.91	75.39	99.41	78.89	9.17
		347	258.60	60.26	-88.64	53.76	-82.14	30.42	27.06	-49.18	27.01	-49.13	-1.94
		547	405.32	50.58	-69.25	38.96	-57.63	35.47	45.13	-103.20	-14.15	-43.92	72.66
584	2	548	482.44	166.31	6.65	6.78	166.18	4.43	127.36	-67.16	31.48	28.72	97.25
		847	437.13	185.85	9.53	9.68	185.69	5.19	77.92	-90.87	21.65	-34.59	79.57
		347	425.04	185.35	-15.46	-15.27	185.15	6.25	15.26	-109.09	3.72	-97.56	36.07
		547	334.28	166.79	-12.78	-12.72	166.73	3.37	48.48	-69.17	13.55	-34.25	53.75
585	1	547	289.39	39.17	-126.32	38.40	-125.55	11.29	48.38	-49.54	19.02	-20.18	44.87
		347	172.88	39.85	-48.38	38.40	-46.93	11.24	39.09	-27.59	-9.24	20.74	29.78
		675	321.99	-2.51	-49.77	-5.35	-46.93	11.24	49.23	-83.20	-27.66	-6.31	65.35
		676	437.51	-4.30	-126.60	-5.35	-125.55	11.29	60.60	-107.23	0.60	-47.22	80.43
585	2	547	397.38	201.58	-15.84	-15.84	201.58	-0.11	49.36	-85.28	10.78	-46.70	60.88
		347	359.90	119.99	-15.84	-15.84	119.99	-0.07	35.72	-96.64	-7.75	-53.17	62.16
		675	329.00	119.99	-3.19	-3.19	119.99	-0.07	38.13	-84.97	-5.08	-41.76	58.75
		676	364.51	201.58	-3.19	-3.19	201.58	-0.11	51.51	-73.35	13.45	-35.29	57.47
586	1	347	355.26	34.39	-52.41	29.15	-47.17	20.67	-38.86	-141.26	-135.08	-45.04	24.39

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		404	366.12	39.59	-11.66	29.15	-1.21	20.64	31.52	-114.70	-109.00	25.82	28.30
		324	588.03	19.83	-21.47	-0.42	-1.21	20.64	127.98	-120.51	-96.37	103.83	73.60
		675	498.43	7.40	-55.00	-0.42	-47.17	20.67	59.64	-149.12	-122.44	32.97	69.69
586	2	347	248.77	130.37	-28.69	-18.72	120.40	38.55	-18.01	-92.46	-49.70	-60.77	36.81
		404	456.29	12.03	-67.28	-18.72	-36.53	38.64	1.13	-161.44	-149.04	-11.27	43.16
		324	569.76	28.59	-59.46	5.66	-36.53	38.64	44.04	-179.83	-141.61	5.82	84.23
		675	415.52	132.15	-6.09	5.66	120.40	38.55	34.91	-120.86	-42.28	-43.67	77.89
587	1	675	514.19	4.16	-39.18	-3.66	-31.36	16.66	44.52	-162.37	-115.62	-2.23	86.52
		324	520.83	0.26	-74.79	-3.66	-70.87	16.68	61.88	-154.15	-116.92	24.65	81.58
		394	550.82	15.05	-74.11	11.81	-70.87	16.68	60.42	-165.64	-120.16	14.94	90.62
		673	542.38	17.49	-37.04	11.81	-31.36	16.66	44.10	-174.90	-118.86	-11.94	95.56
587	2	675	376.72	91.39	-3.99	2.34	85.06	23.75	43.99	-105.70	-25.50	-36.20	74.65
		324	566.79	10.78	-64.97	2.34	-56.53	23.84	18.34	-199.39	-160.60	-20.45	83.32
		394	612.81	6.25	-65.58	-2.80	-56.53	23.84	50.83	-196.80	-153.57	7.59	94.00
		673	428.22	91.07	-8.81	-2.80	85.06	23.75	72.18	-98.81	-18.47	-8.16	85.34
588	1	676	378.81	-5.48	-143.02	-5.51	-142.99	-2.04	40.75	-95.56	5.82	-60.63	59.51
		675	385.51	-5.35	-32.35	-5.51	-32.18	-2.11	59.06	-104.41	-34.94	-10.41	80.81
		673	489.84	0.59	-32.32	0.45	-32.18	-2.11	103.12	-106.29	-20.84	17.68	102.92
		639	431.39	0.48	-143.02	0.45	-142.99	-2.04	79.42	-92.05	19.92	-32.55	81.62
588	2	676	329.19	205.53	-5.22	-5.07	205.37	5.65	44.92	-67.85	5.91	-28.83	53.65
		675	345.49	85.12	-5.43	-5.07	84.75	5.72	53.02	-87.57	3.67	-38.22	67.10
		673	304.30	85.14	-0.41	-0.03	84.75	5.72	72.11	-55.52	15.20	1.39	63.44
		639	279.73	205.53	-0.18	-0.03	205.37	5.65	64.20	-35.99	17.43	10.78	49.98
589	1	673	622.85	14.64	-61.16	12.34	-58.87	12.98	70.61	-187.19	-129.13	12.54	107.69
		394	482.30	15.70	-37.76	12.34	-34.40	12.97	50.57	-149.23	-107.67	9.00	81.10
		328	473.57	37.61	-36.74	35.28	-34.40	12.97	-0.13	-175.59	-125.89	-49.83	79.06
		671	607.61	37.04	-60.63	35.28	-58.87	12.98	20.29	-213.94	-147.35	-46.30	105.66
589	2	673	449.56	72.10	-12.57	-3.64	63.17	26.01	103.92	-74.21	8.41	21.29	88.84
		394	641.76	8.30	-60.56	-3.64	-48.62	26.07	24.25	-222.41	-179.98	-18.18	93.09
		328	649.78	-1.31	-62.99	-15.68	-48.62	26.07	53.23	-207.34	-173.63	19.52	87.45
		671	454.40	70.97	-23.49	-15.68	63.17	26.01	122.96	-49.21	14.76	58.99	83.19
590	1	639	391.21	1.90	-118.35	0.42	-116.87	-13.26	53.49	-101.41	7.55	-55.48	70.75
		673	511.05	3.27	-61.63	0.42	-58.78	-13.29	81.90	-132.36	-17.31	-33.15	106.83
		671	570.33	50.81	-60.40	49.20	-58.78	-13.29	137.62	-97.47	8.62	31.53	116.99
		850	398.98	50.25	-117.92	49.20	-116.87	-13.26	103.14	-60.46	33.49	9.19	80.90
590	2	639	279.03	202.40	-1.46	-1.40	202.34	3.55	54.00	-43.07	0.61	10.32	48.29
		673	299.44	65.09	-1.60	-1.40	64.89	3.63	86.18	-37.60	33.60	14.99	61.19
		671	353.42	65.13	10.95	11.20	64.89	3.63	122.32	-3.19	46.94	72.19	61.47
		850	373.22	202.40	11.13	11.20	202.34	3.55	96.20	-14.73	13.95	67.51	48.57
591	1	671	916.24	41.85	-83.74	27.97	-69.87	-39.37	100.87	-256.29	-188.19	32.78	140.30
		328	346.89	61.73	-18.42	39.42	3.89	-35.92	36.14	-89.40	-54.93	1.67	56.03
		381	471.30	190.06	-4.61	182.86	2.59	-36.73	-94.20	-177.88	-113.28	-158.80	35.10
		672	910.57	199.65	-74.11	194.11	-68.56	-38.56	-53.77	-320.46	-246.54	-127.69	119.37
591	2	671	729.06	43.17	-49.53	-12.64	6.28	45.37	256.96	0.74	76.83	180.87	117.08
		328	741.02	39.83	-51.36	-12.51	0.98	45.09	1.06	-261.66	-213.72	-46.88	101.47
		381	628.37	40.67	-50.43	-10.71	0.95	45.18	19.28	-219.15	-217.74	17.87	18.25
		672	624.31	43.93	-48.20	-10.56	6.30	45.29	252.02	66.41	72.80	245.63	33.86
592	1	850	369.42	48.38	-75.00	44.28	-70.90	-22.11	37.94	-99.58	-46.05	-15.59	67.05
		671	689.61	61.33	-95.98	58.71	-93.36	-20.11	145.59	-145.01	56.43	-55.85	134.02
		672	628.56	-88.25	-159.67	-152.74	-95.18	-21.14	207.99	-5.05	110.06	92.88	106.17
		631	413.06	-63.16	-144.15	-138.23	-69.08	-21.08	144.37	-3.65	7.58	133.14	39.20
592	2	850	316.04	220.23	6.24	7.30	219.17	-14.99	50.24	-43.60	-28.57	35.21	34.41
		671	468.60	17.75	6.77	7.68	16.85	-3.02	198.84	90.92	94.89	194.88	20.29
		672	737.44	18.60	-4.26	-1.99	16.33	-6.84	296.09	48.28	92.42	251.95	94.82
		631	658.90	220.25	-1.52	-0.95	219.69	-11.17	155.80	-94.55	-31.04	92.29	108.94
593	1	672	665.29	206.97	-116.19	175.84	-85.06	95.34	-85.67	-242.04	-233.00	-94.71	36.49
		381	686.46	225.98	-33.56	182.14	10.29	97.25	-1.14	-228.32	-117.74	-111.72	113.55
		353	599.95	149.72	-60.28	79.99	9.45	98.90	105.93	-112.47	-45.43	38.89	100.73
		674	614.72	127.48	-125.68	86.02	-84.22	93.69	58.46	-163.25	-160.69	55.90	23.67
593	2	672	268.50	173.99	-13.02	-1.83	162.80	44.35	-1.34	-73.91	-13.29	-61.96	26.92
		381	479.52	50.78	-33.77	-1.23	18.23	41.14	-7.26	-177.07	-175.34	-8.99	17.04
		353	553.23	43.99	-40.62	-14.91	18.28	38.92	-27.48	-207.12	-190.86	-43.75	51.55
		674	408.58	174.28	-25.43	-13.90	162.75	46.58	7.42	-132.95	-28.81	-96.72	61.42
594	1	631	601.71	-59.03	-204.26	-145.03	-118.25	71.37	175.35	-47.14	20.34	107.87	102.27
		672	330.28	-36.85	-186.17	-133.88	-89.15	71.23	129.35	43.90	93.15	80.10	42.22
		674	339.96	60.82	-123.20	28.18	-90.56	70.29	28.93	-70.87	23.33	-65.28	22.96
		640	491.95	67.60	-145.19	39.25	-116.84	72.31	39.73	-126.72	-49.48	-37.50	83.01
594	2	631	541.18	146.88	4.67	5.55	146.00	-11.20	142.94	-85.07	21.68	36.18	113.77
		672	522.86	164.17	3.38	4.22	163.32	-11.60	81.04	-123.82	-2.86	-39.93	100.74
		674	434.22	164.24	-16.50	-15.72	163.46	-11.88	12.54	-123.23	-20.58	-90.12	58.30
		640	372.28	146.59	-17.84	-17.11	145.86	-10.92	66.88	-76.92	3.96	-14.01	71.34
595	1	674	491.78	79.72	-90.42	76.77	-87.47	22.19	4.46	-160.79	-142.92	-13.41	51.33

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		353	396.22	90.32	40.38	76.77	53.94	22.21	61.21	-105.94	-81.25	36.52	59.32
		407	587.08	63.59	2.85	12.51	53.94	22.21	103.04	-136.39	-69.95	36.59	107.21
		862	572.92	17.21	-92.18	12.51	-87.47	22.19	43.04	-187.99	-131.62	-13.34	99.23
595	2	674	342.19	107.84	-34.14	-21.25	94.95	40.79	-3.01	-115.41	-60.46	-57.96	56.18
		353	540.47	32.92	-51.95	-21.25	2.23	40.78	-13.09	-193.60	-164.86	-41.83	66.05
		407	629.37	34.03	-50.06	-18.26	2.23	40.78	28.94	-203.30	-148.96	-25.40	98.32
		862	469.92	108.12	-31.43	-18.26	94.95	40.79	45.42	-131.51	-44.57	-41.52	88.45
596	1	640	352.61	35.56	-225.01	34.45	-223.89	16.98	46.35	-67.40	-0.20	-20.86	55.93
		674	253.99	36.76	-91.07	34.45	-88.76	17.00	56.47	-46.20	-4.49	14.76	50.43
		862	484.72	35.64	-91.09	33.31	-88.76	17.00	85.27	-113.33	-16.93	-11.13	99.26
		668	570.55	34.43	-225.01	33.31	-223.89	16.98	76.45	-135.84	-12.64	-46.75	104.76
596	2	640	411.80	152.24	-20.86	-20.54	151.92	7.47	42.39	-106.45	0.65	-64.72	66.86
		674	389.47	97.89	-21.01	-20.54	97.42	7.46	38.86	-111.24	-8.46	-63.92	69.74
		862	347.89	98.15	21.23	21.96	97.42	7.46	62.09	-84.68	1.24	-23.82	72.31
		668	357.16	152.35	21.53	21.96	151.92	7.47	64.45	-78.73	10.35	-24.63	69.42
597	1	862	755.95	-6.11	-97.39	-30.79	-72.71	-40.54	75.17	-225.10	-57.05	-92.88	149.06
		407	310.67	39.25	-3.73	26.19	9.33	-19.77	8.61	-103.05	-35.17	-59.27	54.52
		354	518.61	148.08	3.81	145.80	6.09	-18.00	-80.77	-199.69	-133.50	-146.96	59.08
		851	906.52	196.61	-76.20	189.89	-69.47	-42.31	-13.84	-322.11	-155.38	-180.57	153.62
597	2	862	725.77	42.02	-73.94	2.33	-34.25	55.02	204.01	-73.52	87.88	42.61	136.91
		407	726.24	75.32	-56.38	20.41	-1.46	64.94	16.40	-240.10	-131.42	-92.28	126.75
		354	443.26	98.48	-43.01	57.19	-1.72	64.32	-7.45	-165.24	-155.15	-17.54	38.61
		851	390.21	94.11	-58.15	69.95	-33.99	55.63	146.30	35.20	64.15	117.36	48.77
598	1	668	335.85	20.42	-186.25	16.63	-182.45	27.76	31.28	-89.72	-62.16	3.73	50.74
		862	731.97	65.40	-121.98	64.89	-121.47	9.80	99.45	-194.24	-114.00	19.21	130.87
		851	707.45	-110.57	-127.46	-114.70	-123.33	7.26	210.28	-77.45	1.17	131.65	128.23
		641	417.41	-72.18	-189.06	-80.65	-180.60	30.30	142.13	27.05	53.01	116.17	48.10
598	2	668	297.02	137.12	-19.78	-0.34	117.68	-51.69	59.29	-45.61	-40.88	54.56	21.77
		862	351.47	22.72	-11.50	-9.59	20.81	7.86	145.98	62.97	62.97	145.98	-0.62
		851	520.85	9.48	-26.94	-21.99	4.53	-12.48	200.17	12.54	39.52	173.20	65.83
		641	562.37	140.75	-10.86	-4.06	133.96	-31.36	123.27	-105.82	-64.33	81.78	88.22
599	1	851	611.71	161.66	-158.07	161.61	-158.02	3.80	-20.87	-200.96	-159.04	-62.79	76.10
		354	476.81	211.62	37.27	208.66	40.23	22.51	37.19	-145.07	-65.43	-42.46	90.40
		125	596.99	71.56	-37.65	15.60	18.31	54.59	107.84	-123.70	9.34	-25.21	114.47
		863	547.47	37.98	-140.69	33.39	-136.10	-28.28	37.12	-166.93	-84.28	-45.54	100.17
599	2	851	418.57	121.71	-27.83	49.59	44.28	74.72	-40.49	-156.69	-72.42	-124.77	51.87
		354	598.49	83.90	-64.77	49.43	-30.30	62.74	-18.68	-209.51	-103.78	-124.41	94.86
		125	615.30	50.02	-65.00	10.35	-25.32	54.67	55.32	-173.31	-43.14	-74.85	113.21
		863	451.79	113.78	-52.74	21.73	39.31	82.79	33.57	-120.55	-11.77	-75.21	70.23
600	1	641	425.31	-61.02	-324.61	-118.25	-267.38	108.67	86.28	-50.97	-10.15	45.45	62.74
		851	296.06	8.35	-162.52	-78.77	-75.40	85.42	76.77	-9.70	16.72	50.35	39.83
		863	365.41	14.09	-125.07	-8.94	-102.04	51.72	46.99	-94.05	-64.83	17.76	57.16
		669	576.56	58.94	-308.38	-8.70	-240.74	142.37	56.22	-135.05	-91.70	12.86	80.08
600	2	641	380.55	37.88	-2.26	-0.75	36.36	-7.66	61.45	-98.39	-29.52	-7.41	79.15
		851	355.28	84.84	2.48	5.10	82.22	-14.45	43.40	-98.33	-38.26	-16.66	70.04
		863	337.09	82.68	0.11	6.17	76.62	-21.53	44.89	-91.88	-52.22	5.23	62.06
		669	364.33	41.97	2.45	2.46	41.96	-0.59	62.35	-91.35	-43.49	14.48	71.17
601	1	863	724.42	-69.71	-164.49	-104.08	-130.12	-45.56	69.66	-217.93	-53.82	-94.45	142.35
		125	196.67	11.16	-20.79	-19.11	9.48	-7.13	4.99	-67.02	-19.40	-42.63	34.08
		358	503.28	163.70	5.89	163.36	6.23	-7.32	-89.66	-196.62	-128.70	-157.58	51.50
		852	956.58	232.59	-132.59	226.87	-126.87	-45.37	-24.83	-347.70	-163.13	-209.40	159.77
601	2	863	725.39	13.56	-110.06	-1.32	-95.19	40.21	203.25	-81.59	83.09	38.56	140.67
		125	678.21	89.07	-66.59	23.77	-1.29	76.81	18.65	-215.77	-112.01	-85.11	116.44
		358	415.47	111.35	-39.25	68.64	3.45	67.88	-15.76	-155.16	-147.14	-23.78	32.46
		852	371.27	90.87	-112.58	78.21	-99.93	49.14	136.28	11.57	47.96	99.89	56.69
602	1	669	350.21	76.56	-286.35	65.06	-274.85	63.58	3.00	-94.35	-66.81	-24.55	43.85
		863	796.42	143.58	-181.58	139.78	-177.77	34.96	77.22	-228.19	-144.45	-6.52	136.25
		852	729.98	-125.74	-198.57	-143.80	-180.50	31.46	214.64	-86.99	-4.95	132.60	134.22
		658	437.42	-68.82	-294.26	-90.95	-272.13	67.09	140.40	46.85	72.69	114.56	41.83
602	2	669	241.66	39.57	-17.71	-14.10	35.96	-13.91	49.94	-45.40	-41.11	45.65	19.76
		863	344.61	0.44	-72.27	-24.66	-47.17	34.57	136.57	50.53	51.00	136.10	6.37
		852	565.20	-14.16	-67.37	-21.81	-59.72	18.67	211.14	10.54	41.14	180.54	72.12
		658	539.80	48.59	-10.25	-10.19	48.52	2.00	130.41	-91.28	-50.97	90.09	85.51
603	1	852	659.80	198.47	-235.37	198.45	-235.35	3.09	-23.60	-201.93	-165.57	-59.95	71.85
		358	445.00	258.73	29.14	254.71	33.16	30.10	43.47	-128.56	-47.00	-38.09	85.90
		284	601.67	92.05	-53.11	33.30	5.64	71.25	129.70	-93.17	38.54	-2.01	109.57
		864	566.32	56.48	-213.32	51.00	-207.84	-38.06	47.61	-151.51	-80.03	-23.88	95.52
603	2	852	437.30	109.21	-75.75	71.14	-37.68	74.78	-41.31	-152.57	-78.31	-115.58	52.41
		358	581.59	110.37	-79.11	77.69	-46.43	71.59	-7.59	-192.79	-89.32	-111.06	91.96
		284	618.70	73.83	-90.10	30.81	-47.08	72.12	77.12	-148.86	-24.32	-47.42	112.40
		864	451.02	84.30	-82.46	38.86	-37.03	74.25	42.74	-107.99	-13.31	-51.94	72.85
604	1	658	458.28	-85.18	-469.85	-158.23	-396.80	150.88	81.22	-41.65	-3.08	42.64	57.02

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		852	300.12	-0.10	-234.51	-108.23	-126.38	116.85	69.18	-4.29	22.01	42.88	35.22
		864	327.85	2.86	-192.76	-28.13	-161.77	71.43	47.15	-74.29	-53.66	26.52	45.61
		670	576.72	59.67	-452.92	-31.84	-361.41	196.30	59.22	-111.68	-78.75	26.28	67.41
604	2	658	392.23	-7.40	-104.43	-23.78	-88.05	36.34	62.37	-87.89	-23.36	-2.15	74.38
		852	332.51	36.20	-18.42	-11.10	28.88	18.60	41.75	-89.28	-32.26	-15.28	64.96
		864	298.77	15.53	-16.17	-16.12	15.47	1.35	49.79	-73.81	-45.64	21.63	51.84
		670	373.10	7.76	-109.49	-27.10	-74.63	53.59	69.93	-71.93	-36.75	34.75	61.26
605	1	864	714.64	-87.01	-241.60	-123.62	-204.99	-65.72	76.92	-199.47	-51.57	-70.97	137.85
		284	131.17	-1.88	-28.93	-28.79	-2.03	-1.97	22.92	-27.88	17.54	-22.50	15.62
		362	421.68	175.69	-1.79	175.16	-1.26	-9.70	-87.22	-165.88	-99.93	-153.18	28.94
		853	934.85	246.63	-213.19	239.19	-205.76	-57.99	-33.29	-337.39	-169.04	-201.64	151.17
605	2	864	712.87	-12.36	-183.51	-16.47	-179.41	26.19	212.56	-73.18	79.62	59.75	142.52
		284	614.56	81.55	-93.53	18.91	-30.90	83.92	33.25	-178.49	-88.99	-56.25	104.60
		362	410.68	116.81	-57.31	82.63	-23.14	69.16	-2.90	-137.60	-133.60	-6.90	22.86
		853	464.33	100.22	-193.00	94.39	-187.17	40.96	143.24	0.87	35.01	109.10	60.79
606	1	670	375.86	102.04	-427.37	77.81	-403.14	110.64	-0.69	-67.10	-52.49	-15.31	27.51
		864	803.55	166.74	-273.68	158.37	-265.31	60.13	76.30	-225.32	-143.25	-5.76	134.23
		853	708.65	-111.04	-289.48	-137.79	-262.73	63.70	221.26	-54.44	19.62	147.21	122.20
		659	555.70	-55.84	-438.49	-88.61	-405.73	107.07	144.66	103.38	110.38	137.66	15.48
606	2	670	274.97	3.33	-108.02	-11.61	-93.08	37.95	62.21	-33.08	-32.55	61.68	7.08
		864	426.40	12.51	-165.81	-15.10	-138.20	64.50	143.39	43.59	44.05	142.94	6.71
		853	625.35	-1.40	-166.62	-22.73	-145.28	55.40	229.17	32.44	55.60	206.01	63.40
		659	479.57	8.80	-109.35	-14.56	-86.00	47.05	148.71	-44.95	-21.00	124.76	63.76
607	1	853	712.09	237.55	-293.55	235.40	-291.40	-33.73	8.21	-167.77	-147.39	-12.17	56.32
		362	368.99	296.24	5.93	296.19	5.98	-3.91	56.69	-64.48	-13.53	5.74	59.81
		288	435.76	70.08	-41.07	52.37	-23.36	40.68	142.43	-6.76	63.91	71.76	74.49
		865	637.10	89.30	-279.52	71.85	-262.06	-78.32	86.14	-102.24	-69.95	53.84	71.00
607	2	853	364.41	116.67	-133.12	107.31	-123.76	47.46	-21.78	-120.54	-73.68	-68.64	49.32
		362	475.44	130.44	-103.92	119.79	-93.26	48.83	15.24	-148.03	-70.96	-61.83	81.51
		288	531.29	71.72	-115.14	53.99	-97.41	54.77	114.14	-92.14	-8.45	30.46	101.29
		865	367.92	71.42	-128.63	62.40	-119.61	41.51	77.50	-65.02	-11.18	23.65	69.10
608	1	659	459.61	-109.80	-624.37	-190.88	-543.28	187.48	71.24	10.47	24.92	56.79	25.88
		853	266.33	-12.94	-302.92	-129.17	-186.69	142.11	53.57	39.40	46.43	46.54	7.08
		865	347.01	-3.20	-262.22	-34.15	-231.27	84.02	63.70	-17.17	-17.12	63.64	2.16
		848	600.88	65.79	-605.53	-41.04	-498.70	245.57	77.67	-42.40	-38.63	73.89	20.95
608	2	659	332.10	-26.75	-275.15	-58.03	-243.88	82.40	62.48	-39.99	-3.32	25.81	49.12
		853	257.34	13.53	-95.33	-34.27	-47.53	54.03	37.27	-46.85	-14.35	4.77	40.96
		865	264.50	-16.61	-81.42	-28.08	-69.95	24.73	74.89	-24.37	-21.45	71.97	16.76
		848	395.63	11.09	-275.11	-42.56	-221.46	111.70	98.71	-16.11	-10.42	93.01	24.92
609	1	865	759.46	-18.15	-328.74	-142.03	-204.87	-152.08	115.27	-133.93	-47.62	28.96	118.57
		288	290.66	78.61	-114.88	-32.29	-3.98	-95.70	100.59	56.61	74.67	82.52	-21.64
		181	261.91	256.48	-44.19	219.44	-7.15	-98.82	-49.01	-72.96	-51.09	-70.88	-6.75
		854	984.34	341.34	-242.56	300.48	-201.69	-148.97	-13.23	-284.60	-173.39	-124.44	133.46
609	2	865	858.02	-23.63	-238.65	-32.41	-229.86	-42.56	262.38	-32.58	80.10	149.71	143.31
		288	493.71	16.20	-79.53	14.85	-78.18	11.29	96.13	-110.40	-55.85	41.58	91.05
		181	530.15	112.25	-73.20	112.25	-73.20	-0.35	71.83	-110.02	-109.16	70.98	12.44
		854	725.93	139.32	-237.39	136.77	-234.84	-30.91	202.87	3.02	26.79	179.10	64.70
610	1	848	561.23	146.73	-512.03	127.94	-493.24	109.66	42.29	-32.17	-23.45	33.57	-23.94
		865	717.03	218.41	-333.79	214.28	-329.66	47.58	82.39	-134.66	-95.91	43.65	83.12
		854	683.64	-91.38	-337.55	-104.06	-324.87	54.41	219.07	31.04	63.30	186.81	70.89
		660	752.10	-31.33	-520.69	-53.99	-498.03	102.83	197.81	114.68	135.76	176.73	-36.17
610	2	848	540.64	35.68	-225.75	22.15	-212.22	57.92	129.60	-21.20	-11.88	120.28	-36.30
		865	654.82	46.13	-251.52	27.29	-232.67	72.48	204.55	63.04	68.53	199.06	-27.33
		854	789.19	10.62	-255.19	-7.05	-237.51	66.22	275.20	87.89	91.57	271.51	26.02
		660	638.96	21.53	-225.37	3.54	-207.38	64.18	194.32	9.57	11.16	192.73	17.05
611	1	854	868.83	395.64	-224.59	321.21	-150.16	-201.55	133.97	-89.15	-75.45	120.27	53.55
		181	515.95	517.18	9.73	429.06	97.85	-192.22	127.82	-5.52	-3.94	126.24	-14.44
		373	489.25	133.73	-229.80	-159.88	63.81	-143.28	15.45	-99.73	-91.88	7.60	-29.03
		866	634.20	151.07	-350.96	-83.77	-116.12	-250.50	10.37	-172.13	-163.40	1.64	38.96
611	2	854	465.67	193.46	-100.03	168.98	-75.55	-81.15	75.65	-56.34	-26.83	46.14	55.00
		181	544.37	240.18	-105.07	212.92	-77.80	-93.11	54.78	-91.35	-75.74	39.16	45.15
		373	435.83	1.60	-166.28	-79.12	-85.57	-83.88	34.96	-125.17	-113.56	23.34	41.54
		866	417.17	41.24	-142.71	-33.69	-67.78	-90.38	52.80	-87.13	-64.65	30.32	51.39
612	1	660	474.47	-154.41	-476.39	-185.98	-444.83	95.74	86.34	43.39	54.09	75.65	-18.57
		854	428.73	-71.89	-248.21	-114.71	-205.38	75.61	122.67	44.42	82.09	84.99	-39.10
		866	307.22	94.36	-243.21	91.78	-240.64	29.36	40.35	-7.56	-0.62	33.41	-16.86
		849	460.92	155.56	-445.25	119.88	-409.57	141.99	24.32	-28.87	-28.62	24.07	3.66
612	2	660	311.20	-55.69	-261.37	-66.38	-250.67	45.67	70.69	24.40	25.90	69.19	8.20
		854	202.07	-23.16	-113.36	-34.04	-102.47	29.38	58.34	15.84	15.85	58.33	0.37
		866	314.03	39.76	-121.97	39.67	-121.88	3.80	82.41	0.07	1.24	81.25	-9.72
		849	409.89	62.09	-248.58	44.78	-231.27	71.26	92.15	11.25	11.29	92.10	-1.89
613	1	866	703.41	144.33	-396.29	-264.62	12.66	-232.05	51.43	-176.91	-134.89	9.40	88.49

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		373	1023.73	252.68	-258.78	-154.37	148.27	-206.15	186.36	-128.22	-75.05	133.19	-117.90
		197	842.26	328.31	-69.85	120.04	138.42	-198.87	-75.19	-318.06	-298.57	-94.68	-65.98
		855	1327.17	375.20	-139.91	212.78	22.51	-239.34	-131.56	-445.32	-358.41	-218.46	140.41
613	2	866	889.72	16.53	-242.07	-117.11	-108.43	-129.22	258.62	-32.63	46.03	179.97	129.31
		373	683.91	75.35	-119.17	-68.83	25.00	-85.20	101.30	-177.63	-170.63	94.29	43.64
		197	920.89	126.75	-60.30	38.94	27.51	-93.35	91.07	-287.28	-285.32	89.11	-27.12
		855	797.30	129.30	-171.96	68.28	-110.94	-121.07	188.13	-82.01	-68.67	174.78	58.55
614	1	849	442.70	256.18	-217.55	219.19	-180.56	-127.10	11.04	-73.81	-21.08	-41.68	-41.16
		866	647.31	355.90	-196.23	346.83	-187.17	-70.15	19.93	-141.72	-86.98	-34.81	76.50
		855	601.45	-125.76	-357.10	-261.40	-221.47	-113.93	165.20	36.91	82.83	119.28	61.50
		661	473.53	-51.78	-219.75	-125.27	-146.26	-83.33	189.59	71.55	148.73	112.41	-56.16
614	2	849	465.67	114.53	-104.02	87.02	-76.50	-72.50	142.86	-35.28	1.47	106.12	-72.08
		866	580.26	119.14	-185.14	119.07	-185.07	4.62	198.13	70.13	89.72	178.54	-46.08
		855	745.29	-80.31	-217.53	-86.83	-211.01	-29.19	269.50	132.02	132.02	269.50	0.21
		661	511.01	1.74	-79.19	-26.88	-50.57	-38.69	201.30	39.55	43.77	197.08	-25.78
615	1	661	241.95	16.62	-90.34	-89.41	15.68	-9.94	80.16	37.54	80.09	37.61	1.73
		855	433.99	-48.01	-72.72	-69.61	-51.12	8.20	118.04	-56.26	78.54	-16.75	-72.97
		857	438.19	7.33	-51.62	5.26	-49.56	10.84	28.05	-147.14	-47.21	-71.89	-86.72
		663	135.10	43.66	8.76	38.30	14.12	-12.58	-13.09	-50.09	-45.65	-17.53	-12.02
615	2	661	189.93	-4.21	-37.68	-13.05	-28.84	-14.76	70.13	56.82	60.92	66.03	6.14
		855	235.20	15.22	-23.47	-9.02	0.77	-18.72	80.34	-2.26	40.50	37.58	-41.27
		857	263.06	18.63	-27.84	-6.69	-2.52	-23.14	12.37	-82.11	-34.00	-35.74	-47.23
		663	40.81	-3.22	-30.33	-8.00	-25.55	-10.33	-7.29	-13.59	-13.58	-7.30	0.18
616	1	855	837.98	48.05	-52.39	42.50	-46.84	-22.95	-2.88	-299.77	-299.14	-3.51	-13.64
		197	840.80	122.22	57.88	111.86	68.24	-23.65	-0.06	-294.09	-292.00	-2.15	24.70
		402	829.86	49.44	-180.72	-180.68	49.40	2.76	72.43	-216.79	-208.81	64.45	47.39
		857	745.50	-7.31	-145.76	-125.06	-28.00	-49.37	63.38	-216.24	-215.95	63.08	9.06
616	2	855	480.08	17.24	0.10	3.00	14.35	-6.42	13.27	-171.73	-171.72	13.27	-0.37
		197	710.09	41.91	-8.85	35.18	-2.13	-17.21	17.24	-246.68	-242.53	13.09	32.83
		402	720.71	-5.68	-126.30	-125.07	-6.90	-12.09	43.92	-218.20	-210.22	35.94	45.03
		857	497.04	20.33	-91.06	-89.85	19.12	-11.53	36.92	-140.21	-139.42	36.13	11.84
617	1	411	570.28	4.69	-63.74	-41.34	-17.71	-32.11	10.15	-196.64	-191.33	4.84	-32.72
		696	237.45	5.65	-63.28	-41.34	-16.29	-32.11	11.44	-68.46	-62.64	5.63	-20.76
		677	213.60	45.90	-32.87	29.32	-16.29	-32.11	13.90	-67.25	-53.35	-1.35e-03	-30.57
		330	534.21	45.61	-33.99	29.32	-17.71	-32.11	8.70	-191.52	-182.03	-0.79	-42.53
617	2	411	626.84	27.35	-65.94	-60.14	21.55	-22.52	39.53	-192.19	-185.77	33.11	-38.04
		696	307.13	-12.33	-70.72	-60.14	-22.91	-22.49	10.90	-94.49	-90.24	6.65	-20.74
		677	309.04	13.95	-36.64	0.22	-22.91	-22.49	20.79	-98.50	-76.69	-1.02	-46.11
		330	597.47	35.80	-14.03	0.22	21.55	-22.52	44.03	-190.81	-172.22	25.44	-63.41
618	1	330	898.67	32.61	-86.29	30.41	-84.08	-16.04	14.56	-319.10	-278.57	-25.97	-109.00
		677	257.75	47.61	-28.49	37.96	-18.84	-25.32	90.08	12.50	56.33	46.25	-38.46
		784	592.43	-5.40	-57.42	-43.80	-19.02	-22.87	251.81	131.91	132.74	250.98	-9.92
		486	971.78	-31.19	-90.39	-37.68	-83.90	-18.50	195.06	-218.46	-202.16	178.77	-80.46
618	2	330	649.00	47.83	-44.41	3.97	-0.55	-46.06	17.30	-221.06	-180.39	-23.36	-89.66
		677	521.53	5.97	-104.30	-4.69	-93.64	-32.58	126.75	-91.09	-24.74	60.40	-100.25
		784	430.87	93.86	-100.69	86.84	-93.66	-36.29	99.30	-49.02	-41.13	91.41	-33.28
		486	591.53	98.37	-18.66	80.23	-0.52	-42.35	10.14	-199.27	-196.78	7.65	-22.69
619	1	486	876.94	-30.59	-122.81	-42.61	-110.79	31.05	134.84	-225.87	-225.79	134.76	-5.37
		784	483.39	-9.20	-63.40	-38.24	-34.36	27.03	200.28	100.50	100.51	200.28	0.72
		678	215.94	13.20	-46.62	2.23	-35.65	23.15	73.65	2.08	44.69	31.05	35.13
		86	750.84	14.76	-119.32	4.94	-109.50	34.93	-31.11	-284.98	-281.61	-34.48	29.04
619	2	486	379.93	121.71	-69.59	81.47	-29.35	-77.96	-41.87	-143.64	-137.75	-47.77	-23.77
		784	383.56	118.80	-78.58	81.51	-41.30	-77.26	-46.08	-128.35	-125.46	-48.97	15.15
		678	293.44	120.16	-77.66	83.68	-41.19	-76.72	25.01	-58.24	-57.74	24.50	6.47
		86	302.65	124.11	-69.59	83.98	-29.46	-78.51	35.66	-79.99	-70.03	25.70	-32.45
620	1	86	805.31	18.27	-82.47	15.98	-80.19	15.00	-38.40	-306.05	-294.21	-50.24	-55.03
		678	192.44	26.22	-6.57	25.42	-5.77	5.06	56.67	-18.18	28.22	10.27	36.33
		785	560.41	-5.42	-84.71	-83.97	-6.15	7.62	238.43	106.22	132.12	212.53	52.47
		491	816.15	-65.32	-90.49	-76.01	-79.80	12.44	156.38	-194.67	-190.31	152.02	-38.88
620	2	86	386.29	57.94	-8.53	53.93	-4.53	-15.82	-6.88	-138.13	-128.79	-16.21	-33.73
		678	381.00	51.78	-148.17	51.65	-148.04	5.06	102.30	-22.98	15.25	64.06	-57.69
		785	409.58	64.16	-149.41	64.15	-149.40	-1.37	95.53	-19.75	-19.00	94.78	9.27
		491	525.92	66.03	-4.45	64.75	-3.17	-9.39	20.52	-169.06	-163.04	14.50	33.23
621	1	491	807.32	-3.32	-103.14	-78.01	-28.45	43.32	109.07	-214.96	-211.51	105.62	33.26
		785	420.58	15.30	-93.19	-72.57	-5.32	42.56	174.23	79.20	96.53	156.90	36.70
		679	343.83	33.92	-48.32	-8.17	-6.22	41.11	70.96	-59.88	38.06	-26.98	56.77
		118	705.53	31.04	-61.77	-3.18	-27.55	44.78	-64.42	-283.81	-269.97	-78.26	53.33
621	2	491	381.43	88.94	-1.97	80.85	6.13	-25.90	-12.14	-126.29	-114.36	-24.07	34.91
		785	371.29	79.98	-77.40	76.89	-74.31	-21.83	-6.84	-119.11	-90.94	-35.02	48.68
		679	281.06	41.64	-75.92	38.82	-73.10	-18.00	8.41	-80.44	-68.29	-3.74	30.53
		118	298.86	54.33	-12.97	36.43	4.92	-29.73	9.98	-94.48	-91.71	7.21	16.77
622	1	118	719.89	7.12	-16.75	6.62	-16.25	3.43	-99.10	-302.82	-298.80	-103.12	-28.33

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		679	386.18	41.02	15.91	16.41	40.52	-3.48	73.25	-88.53	32.56	-47.84	70.20
		786	579.61	39.87	-106.49	-106.47	39.84	-1.88	238.86	78.25	147.78	169.32	79.58
		495	751.08	-15.53	-97.72	-97.68	-15.57	1.82	115.24	-184.77	-183.57	114.04	-18.95
622	2	118	393.69	16.24	11.11	12.87	14.49	-2.43	-34.03	-159.60	-159.60	-34.03	-0.44
		679	219.14	11.72	-157.41	9.13	-154.82	20.78	45.43	3.33	9.76	39.00	-15.14
		786	415.89	41.48	-157.06	40.53	-156.11	13.71	103.88	-27.64	-13.30	89.53	41.00
		495	587.90	40.70	14.92	39.84	15.78	4.63	31.03	-197.18	-182.66	16.51	55.70
623	1	495	812.99	21.51	-110.71	-101.13	11.93	34.28	87.91	-219.92	-207.76	75.74	59.97
		786	421.02	40.13	-103.19	-94.70	31.64	33.83	172.47	65.12	115.64	121.95	53.58
		685	417.00	48.02	-30.23	-12.88	30.66	32.51	72.17	-101.36	41.05	-70.25	66.57
		131	761.01	40.00	-33.87	-6.79	12.91	35.60	-88.94	-309.87	-282.35	-116.46	72.96
623	2	495	469.12	61.42	7.52	55.75	13.20	-16.54	-0.39	-161.88	-133.67	-28.60	61.32
		786	439.49	54.19	-73.85	53.00	-72.66	-12.31	8.88	-147.59	-92.42	-46.29	74.76
		685	309.50	28.89	-72.35	28.16	-71.62	-8.54	6.81	-100.66	-73.79	-20.06	46.53
		131	363.38	41.15	-2.07	26.92	12.16	-20.31	6.63	-124.04	-115.04	-2.37	33.09
624	1	131	741.50	17.01	-12.97	1.88	2.15	-14.99	-137.30	-319.53	-317.69	-139.15	-18.24
		685	546.38	75.85	4.25	12.29	67.81	-22.60	85.75	-130.55	40.40	-85.20	88.05
		803	653.06	69.30	-128.52	-126.31	67.09	-20.80	254.50	69.13	167.66	155.97	92.50
		499	765.23	5.18	-119.25	-116.94	2.87	-16.80	102.68	-191.07	-190.42	102.03	-13.79
624	2	131	452.85	14.67	3.97	6.15	12.49	-4.31	-48.91	-188.03	-187.52	-49.42	8.42
		685	151.59	5.34	-148.45	3.57	-146.69	16.37	23.49	0.80	3.21	21.08	7.00
		803	437.31	24.24	-148.46	23.65	-147.88	10.04	119.50	-29.04	-2.30	92.77	57.06
		499	618.35	24.04	13.29	23.65	13.68	2.02	37.13	-207.89	-193.03	22.27	58.48
625	1	499	866.15	31.83	-124.47	-121.37	28.73	21.80	90.33	-233.88	-214.34	70.80	77.15
		803	450.54	54.41	-116.52	-113.82	51.71	21.32	182.12	62.56	133.65	111.03	58.70
		687	434.57	56.38	-17.40	-11.61	50.58	19.85	64.25	-115.44	39.04	-90.23	62.40
		327	824.75	41.62	-16.16	-4.40	29.86	23.26	-99.29	-340.13	-308.95	-130.47	80.85
625	2	499	527.74	54.70	10.60	39.02	26.29	-21.11	8.65	-181.77	-146.88	-26.24	73.66
		803	474.58	39.10	-73.28	36.60	-70.78	-16.56	21.57	-155.90	-83.78	-50.54	87.17
		687	296.47	16.83	-71.59	15.01	-69.77	-12.58	3.69	-100.40	-67.76	-28.95	48.29
		327	393.42	45.40	-6.02	14.11	25.27	-25.09	4.31	-139.82	-130.87	-4.64	34.78
626	1	327	688.42	48.45	-24.78	-7.41	31.08	-31.15	-161.28	-295.64	-291.29	-165.63	23.78
		687	583.98	76.72	-31.44	-29.15	74.42	-15.59	85.92	-137.59	74.73	-126.39	48.75
		686	645.74	81.85	-129.20	-126.69	79.35	-22.87	216.66	24.95	189.66	51.96	66.69
		404	620.87	29.32	-154.42	-151.27	26.16	-23.87	21.52	-185.16	-176.37	12.73	41.73
626	2	327	474.08	22.48	2.05	6.04	18.49	-8.10	-88.28	-201.56	-187.30	-102.55	37.59
		687	203.57	19.35	-161.72	3.61	-145.98	-51.01	33.99	-35.89	20.39	-22.28	27.67
		686	504.98	19.34	-159.67	11.22	-151.54	-37.26	154.64	-1.57	51.36	101.72	73.94
		404	611.50	43.43	-0.59	18.79	24.05	-21.85	54.76	-189.63	-156.33	21.45	83.85
627	1	404	1021.25	-8.83	-175.19	-146.52	-37.50	62.83	192.75	-208.66	-183.09	167.18	98.03
		686	989.72	45.84	-225.61	-201.29	21.52	77.53	380.24	306.35	310.28	376.31	-16.59
		810	758.17	109.80	-39.12	42.70	27.98	74.09	294.66	99.72	261.49	132.88	73.24
		324	1093.15	37.78	-97.69	-15.95	-43.96	66.27	49.28	-357.40	-231.88	-76.24	187.86
627	2	404	681.88	29.58	-45.24	7.68	-23.33	-34.05	71.73	-196.48	-121.58	-3.17	120.33
		686	491.01	30.00	-43.01	7.45	-20.46	-33.74	79.37	-117.53	6.60	-44.77	95.04
		810	455.65	30.78	-42.46	8.82	-20.50	-33.56	55.34	-126.36	8.68	-79.69	79.38
		324	598.43	30.28	-45.16	8.42	-23.29	-34.23	33.51	-191.09	-119.50	-38.09	104.66
628	1	324	783.42	2.74	-85.35	-10.89	-71.71	31.86	133.96	-200.57	-153.17	86.56	116.66
		810	459.43	72.75	-22.97	-10.89	60.67	31.78	177.54	51.65	118.80	110.40	62.81
		689	398.04	75.03	-9.66	4.71	60.67	31.78	104.10	-61.79	78.55	-36.24	59.88
		394	717.90	16.25	-83.25	4.71	-71.71	31.86	5.08	-258.58	-193.42	-60.08	113.73
628	2	324	555.45	17.66	-56.44	15.62	-54.40	-12.13	48.15	-168.57	-121.33	0.91	89.48
		810	414.18	17.38	-67.91	15.62	-66.15	-12.12	48.81	-118.76	-41.18	-28.77	83.56
		689	358.35	21.86	-67.82	20.19	-66.15	-12.12	30.70	-110.44	-44.46	-35.28	70.42
		394	511.64	22.11	-56.32	20.19	-54.40	-12.13	31.69	-161.89	-124.61	-5.60	76.34
629	1	394	690.82	33.46	-63.73	6.12	-36.39	43.70	70.15	-206.40	-156.68	20.42	106.20
		689	382.17	76.08	-21.11	6.12	48.85	43.65	99.85	-43.57	55.82	0.45	66.15
		809	390.99	76.53	-19.98	7.70	48.85	43.65	46.12	-112.70	27.62	-94.20	50.95
		328	632.96	34.60	-63.29	7.70	-36.39	43.70	-23.05	-236.06	-184.89	-74.23	91.00
629	2	394	520.17	19.83	-44.99	19.67	-44.83	3.22	47.17	-159.71	-124.61	12.07	77.65
		689	352.32	19.77	-84.54	19.67	-84.43	3.25	33.35	-107.74	-42.01	-32.37	70.38
		809	287.20	24.89	-84.53	24.80	-84.43	3.25	7.42	-97.03	-46.39	-43.23	52.20
		328	465.21	24.95	-44.97	24.80	-44.83	3.22	24.30	-152.06	-128.98	1.22	59.48
630	1	328	647.13	50.82	-55.06	10.27	-14.51	51.47	-11.54	-234.60	-188.30	-57.83	90.46
		809	357.38	99.71	-19.56	10.27	69.87	51.66	63.82	-77.96	38.16	-52.29	54.59
		688	373.36	95.89	-32.68	-6.65	69.87	51.66	26.63	-119.47	11.45	-104.29	44.58
		381	660.57	41.03	-62.20	-6.65	-14.51	51.47	-66.30	-258.54	-215.01	-109.83	80.45
630	2	328	450.94	32.49	2.24	26.51	8.22	12.05	16.43	-157.84	-143.74	2.33	47.52
		809	285.19	27.52	-110.03	26.50	-109.01	11.78	30.43	-78.40	-28.59	-19.38	54.22
		688	231.94	9.28	-110.19	8.10	-109.01	11.78	9.48	-66.41	-25.97	-30.97	37.86
		381	394.64	20.21	-3.89	8.10	8.22	12.05	-2.27	-148.11	-141.12	-9.26	31.16
631	1	381	702.54	36.16	-14.49	19.09	2.58	23.94	-158.03	-301.27	-296.55	-162.74	25.56

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		688	606.02	130.24	-46.63	-23.03	106.64	60.14	141.38	-96.89	134.91	-90.41	38.75
		690	737.19	124.19	-160.09	-153.13	117.23	43.93	253.36	22.88	224.39	51.85	76.40
		353	740.80	-0.03	-210.19	-202.21	-8.01	40.16	-1.09	-226.46	-207.07	-20.48	63.20
631	2	381	460.46	17.85	-0.88	14.85	2.13	6.87	-85.15	-196.00	-190.27	-90.89	24.55
		688	198.16	17.74	-137.06	12.29	-131.61	-28.53	59.13	3.91	42.05	20.99	25.52
		690	513.82	16.88	-138.28	14.94	-136.34	-17.26	175.49	11.79	76.12	111.16	79.95
		353	565.07	22.06	5.58	20.79	6.85	-4.40	32.37	-189.28	-156.20	-0.71	78.98
632	1	353	1111.07	44.27	-202.93	-168.86	10.21	85.21	211.05	-207.86	-142.64	145.82	151.89
		690	807.94	89.83	-239.12	-207.77	58.48	96.59	283.91	253.07	276.93	260.05	-12.91
		804	542.01	167.70	-22.20	82.61	62.90	94.44	124.45	-81.47	118.70	-75.72	33.93
		407	1225.55	112.19	-65.94	40.46	5.79	87.36	-39.08	-451.73	-300.86	-189.94	198.73
632	2	353	654.23	15.63	-5.48	7.40	2.75	10.30	71.79	-197.84	-105.37	-20.68	127.99
		690	379.60	8.58	-17.23	4.75	-13.40	9.17	84.18	-74.34	29.38	-19.54	75.39
		804	404.78	21.62	-14.26	19.93	-12.57	7.61	17.97	-135.90	-11.06	-106.87	60.20
		407	634.02	24.45	-4.32	18.22	1.92	11.86	-12.54	-241.28	-145.81	-108.01	112.80
633	1	407	643.43	37.09	-27.87	28.97	-19.75	21.48	-112.07	-274.80	-226.48	-160.39	74.35
		804	593.23	173.22	-20.46	9.82	142.94	70.34	107.73	-122.85	101.98	-117.11	35.95
		691	593.32	161.23	-162.88	-154.22	152.57	52.27	153.26	-31.69	141.96	-20.40	44.29
		354	697.10	-19.87	-193.88	-184.37	-29.38	39.55	-22.09	-228.09	-186.50	-63.68	82.69
633	2	407	483.35	56.02	0.86	37.42	19.45	26.08	-29.11	-191.33	-146.64	-73.80	72.47
		804	304.41	27.99	-79.21	27.98	-79.21	0.69	46.63	-65.56	24.81	-43.74	44.40
		691	267.26	-17.10	-82.70	-18.09	-81.71	8.00	76.58	-33.28	22.67	20.63	54.92
		354	573.19	28.99	-28.11	-21.07	21.96	18.77	29.26	-187.46	-148.77	-9.43	82.99
634	1	354	1048.06	59.09	-179.70	-140.93	20.32	88.07	176.82	-215.56	-153.05	114.31	143.60
		691	777.39	145.21	-211.79	-178.41	111.83	103.94	282.68	234.88	271.75	245.81	-20.07
		805	543.46	214.97	4.47	104.67	114.76	105.13	126.18	-77.18	117.59	-68.60	40.90
		125	1250.84	128.78	-50.37	61.02	17.39	86.88	-42.19	-465.11	-307.20	-200.10	204.57
634	2	354	699.71	5.29	-35.11	-23.20	-6.62	18.42	58.85	-218.33	-124.99	-34.49	131.00
		691	380.24	44.72	-38.22	-30.49	36.99	24.11	83.31	-75.67	35.50	-27.87	72.90
		805	415.62	60.27	7.41	30.86	36.81	26.26	22.14	-139.17	-5.05	-111.98	60.39
		125	684.78	28.34	-14.04	20.74	-6.44	16.26	-21.29	-262.86	-165.54	-118.61	118.48
635	1	125	668.67	51.06	-27.44	40.24	-16.62	27.06	-122.05	-287.08	-240.05	-169.08	74.50
		805	634.64	239.27	-22.42	17.14	199.71	93.74	106.25	-127.99	101.64	-123.39	32.53
		692	637.91	224.62	-193.06	-181.24	212.80	69.26	152.57	-33.01	142.54	-22.97	41.97
		358	750.25	-16.64	-232.94	-219.87	-29.71	51.54	-27.60	-240.22	-199.15	-68.66	83.93
635	2	125	497.24	46.60	5.76	28.99	23.37	20.23	-43.25	-202.88	-159.53	-86.61	71.00
		805	293.53	19.92	-30.17	18.82	-29.07	7.35	43.10	-71.66	25.34	-53.91	41.50
		692	264.64	-22.89	-45.78	-38.96	-29.71	10.46	80.58	-26.85	28.15	25.58	53.70
		358	602.41	27.98	-49.53	-45.55	24.00	17.11	29.97	-193.80	-156.72	-7.12	83.21
636	1	358	1113.87	56.69	-198.75	-155.87	13.81	95.47	193.68	-223.34	-158.66	129.00	150.97
		692	828.45	205.48	-231.98	-196.65	170.14	119.20	306.92	237.08	279.19	264.81	-34.18
		806	474.84	272.46	17.16	118.14	171.47	124.83	106.00	-75.30	102.27	-71.57	25.74
		284	1310.89	133.26	-54.35	66.43	12.48	89.84	-51.07	-491.89	-335.58	-207.38	210.88
636	2	358	742.89	-5.77	-46.76	-36.14	-16.39	17.96	80.08	-219.17	-126.87	-12.22	138.21
		692	324.56	89.55	-52.01	-45.35	82.90	29.97	87.52	-43.16	46.89	-2.53	60.49
		806	353.33	102.68	20.36	41.82	81.22	36.14	4.96	-125.34	-14.96	-105.42	46.89
		284	727.84	29.01	-17.90	25.83	-14.72	11.79	-21.98	-281.86	-188.73	-115.11	124.61
637	1	284	716.07	27.47	-24.59	25.15	-22.27	10.73	-126.25	-306.86	-264.29	-168.81	76.65
		806	648.77	280.82	-32.55	0.27	248.00	95.95	91.55	-124.26	90.26	-122.97	16.67
		693	605.07	273.17	-226.30	-217.69	264.57	64.99	112.22	-32.47	109.01	-29.27	21.31
		362	855.57	-31.34	-270.60	-263.10	-38.84	41.69	-42.56	-278.09	-245.54	-75.11	81.29
637	2	284	541.06	17.02	1.97	16.69	2.30	2.21	-38.94	-217.17	-179.96	-76.16	72.44
		806	204.45	13.83	0.32	5.40	8.75	6.55	32.81	-53.43	20.50	-41.11	30.17
		693	235.10	11.08	-69.75	-69.57	10.89	3.84	70.92	-17.39	10.12	43.41	40.89
		362	693.37	0.45	-81.77	-81.47	0.15	4.92	38.58	-220.55	-190.34	8.37	83.16
638	1	362	1205.16	-5.31	-202.01	-179.14	-28.19	63.06	215.39	-254.68	-206.75	167.46	142.23
		693	867.60	213.57	-227.09	-206.94	193.41	92.05	341.01	219.89	273.26	287.64	-60.13
		807	446.92	242.86	-19.63	32.83	190.40	104.97	88.02	-47.93	84.72	-44.64	-20.91
		288	1285.86	32.53	-68.74	-11.04	-25.17	50.14	-65.10	-495.01	-395.29	-164.82	181.46
638	2	362	813.05	-52.63	-71.97	-54.71	-69.89	-5.99	112.11	-231.58	-160.92	41.45	138.90
		693	259.27	96.01	-61.05	-60.02	94.98	12.68	89.74	12.41	51.06	51.09	38.67
		807	187.88	97.99	9.80	17.40	90.39	24.75	-19.91	-64.62	-29.81	-54.73	18.56
		288	821.07	4.95	-69.94	0.31	-65.30	-18.06	-4.82	-301.34	-241.79	-64.37	118.80
639	1	288	1089.29	-14.22	-123.10	-34.21	-103.11	-42.15	-135.18	-453.42	-451.71	-136.88	-23.25
		807	729.81	265.36	-40.13	-34.21	259.44	-42.11	133.25	-105.96	127.81	-100.52	35.67
		694	819.48	262.27	-366.81	-363.98	259.44	-42.11	236.60	111.48	236.58	111.50	-1.69
		181	1271.48	-96.46	-370.62	-363.98	-103.11	-42.15	83.75	-351.55	-342.94	75.14	-60.61
639	2	288	820.74	-2.65	-100.72	-13.25	-90.11	-30.46	-5.70	-301.53	-301.35	-5.88	7.25
		807	128.77	29.96	-34.70	-13.25	8.50	-30.44	42.23	12.41	27.92	26.71	14.90
		694	411.56	14.91	-136.29	-129.89	8.50	-30.44	162.72	54.58	55.04	162.25	7.10
		181	992.77	-73.62	-146.37	-129.89	-90.11	-30.46	129.66	-274.23	-274.23	129.66	-0.55
640	1	181	1236.81	5.45	-399.35	-365.32	-28.58	-112.33	113.86	-315.06	-311.75	110.55	37.53

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		694	722.52	185.43	-388.22	-365.32	162.53	-112.30	214.46	128.10	212.03	130.53	-14.27
		808	602.81	230.38	-23.35	44.51	162.53	-112.30	127.83	-120.20	110.89	-103.26	-62.57
		373	1015.24	126.09	-110.16	44.51	-28.58	-112.33	-122.84	-413.29	-412.89	-123.24	-10.77
640	2	181	799.38	-70.31	-192.91	-128.40	-134.82	-61.22	63.24	-257.60	-250.84	56.48	46.08
		694	218.85	94.75	-145.18	-128.40	77.97	-61.19	52.84	-9.17	7.78	35.89	27.64
		808	216.25	120.37	-10.34	32.06	77.97	-61.19	0.70	-60.72	-26.56	-33.46	-30.51
		373	811.20	52.11	-154.87	32.06	-134.82	-61.22	-12.33	-285.71	-285.18	-12.87	-12.07
641	1	373	1339.69	190.31	-146.54	42.25	1.53	-167.19	-132.63	-514.43	-429.55	-217.51	-158.76
		808	727.02	237.72	-100.73	42.25	94.74	-167.18	107.49	-176.81	107.49	-176.81	0.24
		695	1006.31	168.08	-286.36	-213.03	94.74	-167.18	376.26	159.69	372.97	162.98	-26.47
		197	1316.92	92.90	-304.40	-213.03	1.53	-167.19	213.41	-255.20	-164.06	122.27	-185.47
641	2	373	969.95	68.08	-75.48	30.23	-37.63	-63.25	-8.19	-365.13	-341.24	-32.08	-89.19
		808	231.76	65.06	-84.64	30.23	-49.81	-63.25	50.98	-10.09	32.30	8.60	-28.14
		695	541.98	1.00	-128.56	-77.75	-49.81	-63.25	225.51	130.01	143.07	212.45	-32.81
		197	1084.78	8.67	-124.04	-77.75	-37.63	-63.25	192.60	-251.30	-230.48	171.78	-93.85
642	1	197	1102.72	56.12	-215.71	-214.40	54.81	-18.81	141.06	-259.73	-259.13	140.46	-15.47
		695	1322.37	20.14	-215.90	-214.40	18.64	-18.79	523.96	215.43	481.46	257.94	-106.33
		697	1111.88	85.89	13.39	80.64	18.64	-18.79	396.22	-1.98	376.12	18.11	-87.16
		402	913.86	90.54	44.91	80.64	54.81	-18.81	-99.31	-364.51	-364.46	-99.36	3.70
642	2	197	859.18	-13.78	-74.26	-70.92	-17.12	-13.82	69.29	-267.00	-266.99	69.28	1.73
		695	412.52	45.02	-72.58	-70.92	43.37	-13.85	166.14	90.32	154.01	102.45	-27.79
		697	355.77	47.31	-5.30	-1.36	43.37	-13.85	131.19	-1.13	118.19	11.87	-39.38
		402	785.43	6.67	-25.14	-1.36	-17.12	-13.81	-20.96	-303.16	-302.81	-21.31	-9.86
643	1	696	101.94	24.39	-15.48	24.31	-15.39	1.84	5.50	-30.22	-19.17	-5.54	-16.51
		830	21.58	24.60	13.21	24.31	13.51	1.82	0.07	-5.02	-0.47	-4.48	-1.57
		811	63.50	13.60	-22.15	-22.06	13.51	1.82	24.72	17.01	17.95	23.77	-2.53
		677	105.52	-14.92	-22.53	-22.06	-15.39	1.84	32.02	-10.06	-0.75	22.71	-17.47
643	2	696	180.05	-13.14	-29.71	-23.84	-19.00	-7.92	14.59	-54.00	-42.28	2.87	-25.82
		830	67.31	-6.72	-27.52	-23.84	-10.40	-7.93	-3.81	-22.70	-8.08	-18.43	-7.90
		811	154.16	30.24	-11.94	28.70	-10.40	-7.93	32.19	-27.13	11.39	-6.33	-28.30
		677	234.79	29.98	-20.28	28.70	-19.00	-7.92	46.02	-53.85	-22.81	14.98	-46.22
644	1	677	121.27	4.40	-39.82	-29.98	-5.44	-18.39	46.37	24.51	26.85	44.04	6.76
		811	197.92	2.84	-39.92	-23.80	-13.28	-20.72	64.44	-9.70	-5.47	60.21	17.20
		832	681.18	44.48	-20.77	38.01	-14.29	-19.51	255.87	21.86	29.69	248.04	42.08
		784	590.37	51.36	-11.32	44.47	-4.43	-19.60	237.56	56.31	62.01	231.86	31.64
644	2	677	208.72	19.50	-89.38	17.60	-87.47	-14.27	64.60	-8.77	16.08	39.75	-34.73
		811	143.30	14.62	-11.99	14.61	-11.98	0.40	17.37	-37.28	-35.74	15.84	9.03
		832	413.29	-8.90	-26.38	-25.14	-10.14	-4.48	171.69	44.94	45.22	171.41	-5.90
		784	548.22	-29.14	-90.78	-30.60	-89.32	-9.38	216.05	76.32	97.05	195.32	-49.67
645	1	784	548.06	36.44	-47.17	34.74	-45.47	11.79	209.03	42.88	42.88	209.03	-0.31
		832	539.33	49.85	13.45	40.58	22.72	15.86	212.16	28.01	28.61	211.56	10.48
		812	124.35	28.78	-31.30	-23.51	20.99	20.18	42.08	5.20	26.90	20.38	18.15
		678	110.52	-17.65	-45.87	-19.79	-43.73	7.47	43.29	15.72	41.16	17.85	7.36
645	2	784	105.13	15.04	-59.35	-25.87	-18.44	-37.01	34.97	4.81	34.82	4.96	-2.11
		832	182.19	-16.62	-168.12	-31.95	-152.79	-45.68	55.65	14.84	46.69	23.80	-16.90
		812	140.46	35.07	-165.64	19.53	-150.10	-53.64	11.60	-4.40	10.43	-3.22	4.17
		678	127.39	33.19	-36.67	17.65	-21.13	-29.05	9.84	-33.34	-1.44	-22.06	18.97
646	1	678	316.27	10.00	-45.85	-39.46	3.60	-17.79	97.91	-17.14	55.91	24.86	55.39
		812	228.27	18.97	-37.62	-31.92	13.26	-17.04	75.81	-6.65	25.35	43.81	40.19
		833	480.84	52.58	5.43	45.61	12.40	-16.73	165.63	-15.51	11.74	138.37	64.76
		785	483.07	58.90	-1.55	52.89	4.46	-18.09	169.64	-7.92	42.30	119.42	79.97
646	2	678	155.52	36.70	-157.65	36.15	-157.11	-10.27	33.07	21.21	29.52	24.77	5.43
		812	266.31	32.82	-170.59	32.11	-169.88	-12.02	31.05	-53.74	-23.72	1.03	40.55
		833	462.32	-7.68	-170.40	-8.54	-169.54	-11.76	148.10	37.67	43.36	142.41	24.41
		785	476.14	-11.46	-158.21	-12.22	-157.45	-10.53	167.76	94.99	96.60	166.15	-10.71
647	1	785	368.60	50.41	-25.02	43.53	-18.15	21.71	145.13	28.07	33.96	139.24	25.60
		833	416.51	78.46	26.67	50.31	54.82	25.79	144.97	4.70	17.85	131.83	40.87
		813	247.55	62.79	-40.62	-30.85	53.02	30.25	42.99	-56.78	27.81	-41.59	35.84
		679	209.13	-3.30	-39.17	-26.13	-16.35	17.25	49.01	-39.27	43.92	-34.18	20.57
647	2	785	179.46	-14.69	-71.73	-20.72	-65.70	-17.54	48.62	-24.55	37.38	-13.31	26.38
		833	233.93	-22.41	-244.20	-26.15	-240.46	-28.56	51.86	-2.26	47.94	1.65	14.02
		813	283.50	18.09	-243.26	12.39	-237.56	-38.16	31.79	-44.53	16.51	-29.25	30.54
		679	258.79	12.68	-69.37	11.91	-68.59	-7.93	30.57	-68.84	5.94	-44.21	42.91
648	1	679	463.20	53.11	-47.49	-45.67	51.29	-13.41	102.80	-78.44	58.39	-34.03	77.95
		813	308.67	49.81	-40.20	-37.60	47.22	-15.07	65.12	-51.47	32.03	-18.38	52.56
		834	382.77	63.94	35.09	52.95	46.07	-14.01	112.89	-43.77	2.57	66.55	71.50
		786	472.57	71.92	41.67	61.15	52.43	-14.48	137.43	-57.59	28.93	50.91	96.89
648	2	679	273.65	35.94	-166.91	35.94	-166.91	-0.24	58.32	-26.92	36.51	-5.10	37.20
		813	344.95	32.12	-193.02	32.05	-192.95	-4.15	40.98	-84.69	-15.10	-28.62	62.47
		834	426.37	-8.02	-192.86	-8.08	-192.81	-3.18	128.40	15.56	37.52	106.43	44.68
		786	407.19	-11.29	-167.06	-11.30	-167.05	-1.22	137.70	81.37	89.13	129.95	19.41
649	1	786	284.49	68.19	2.18	49.30	21.08	29.84	102.92	14.57	27.87	89.61	31.60

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		834	367.28	117.13	37.66	56.68	98.10	33.91	105.10	-15.91	10.58	78.61	50.04
		814	372.25	106.45	-48.81	-38.65	96.29	38.39	42.38	-94.43	28.92	-80.97	40.74
		685	310.89	32.66	-42.97	-33.20	22.90	25.36	50.35	-74.10	46.21	-69.97	22.30
649	2	786	272.58	-15.44	-69.07	-17.38	-67.13	-10.02	56.86	-56.38	34.27	-33.80	45.25
		834	314.22	-19.82	-232.74	-21.70	-230.86	-19.90	59.44	-37.17	45.31	-23.04	34.14
		814	366.00	11.81	-231.85	8.46	-228.50	-28.37	39.70	-74.36	17.58	-52.24	45.10
		685	343.33	8.35	-69.52	8.32	-69.49	-1.54	37.87	-94.32	6.55	-63.00	56.21
650	1	685	581.52	87.05	-59.21	-56.93	84.77	-18.12	108.44	-114.13	62.07	-67.76	90.40
		814	401.18	87.79	-50.61	-47.93	85.10	-19.08	63.91	-79.75	37.16	-52.99	55.92
		835	365.97	93.66	49.87	59.61	83.91	-18.21	90.59	-60.47	-5.15	35.27	72.78
		803	517.38	98.17	56.42	68.63	85.96	-18.99	127.38	-87.12	19.76	20.50	107.25
650	2	685	357.77	27.73	-155.70	27.72	-155.69	-1.12	71.68	-56.01	38.53	-22.85	55.98
		814	414.88	25.03	-179.74	24.93	-179.64	-4.59	47.21	-106.21	-11.81	-47.20	74.64
		835	414.44	-5.54	-179.65	-5.62	-179.58	-3.67	122.92	-0.95	31.51	90.46	54.47
		803	393.15	-7.84	-155.78	-7.87	-155.76	-2.04	137.75	58.91	81.85	114.81	35.81
651	1	803	243.63	77.86	21.70	53.70	45.86	27.81	81.19	9.45	22.03	68.61	27.29
		835	358.38	127.76	47.07	61.63	113.20	31.03	92.88	-29.90	4.89	58.09	55.33
		816	440.68	118.68	-58.39	-51.24	111.52	34.86	59.86	-101.92	43.84	-85.90	48.33
		687	374.64	53.39	-50.67	-44.82	47.54	23.98	63.93	-78.34	60.98	-75.38	20.28
651	2	803	298.01	-13.14	-64.70	-14.23	-63.61	-7.42	52.87	-69.72	27.21	-44.05	49.87
		835	339.27	-16.76	-217.94	-18.07	-216.63	-16.18	62.77	-48.85	43.66	-29.74	42.05
		816	410.93	14.60	-217.11	12.16	-214.67	-23.66	55.83	-85.04	25.43	-54.64	57.95
		687	390.35	11.81	-65.57	11.81	-65.57	0.05	46.46	-106.44	8.98	-68.95	65.77
652	1	687	595.45	75.30	-39.27	-20.25	56.29	-42.62	118.90	-116.40	4.59	-2.08	117.60
		816	505.74	114.52	-66.89	-44.29	91.92	-59.91	73.13	-106.79	-0.42	-33.24	88.45
		815	476.06	158.95	54.86	115.86	97.95	-51.27	112.92	-69.79	-34.53	77.67	72.10
		686	630.67	123.92	14.57	88.24	50.26	-51.27	162.28	-82.98	-29.53	108.83	101.25
652	2	687	391.55	16.74	-150.34	5.44	-139.04	41.95	79.53	-66.21	3.33	9.99	72.80
		816	446.35	23.88	-174.80	10.21	-161.13	50.30	39.39	-120.11	-58.15	-22.56	77.74
		815	521.51	-10.88	-177.61	-25.36	-163.14	46.95	150.67	-35.63	-19.84	134.88	51.88
		686	514.97	-3.19	-152.36	-18.52	-137.03	45.30	183.02	26.06	41.64	167.43	46.94
653	1	686	462.02	187.10	76.08	170.75	92.43	39.35	168.34	11.65	12.11	167.88	8.47
		815	546.76	121.64	45.04	106.73	59.96	30.33	108.38	-121.88	-75.36	61.86	92.45
		842	440.95	86.59	-52.56	-37.08	71.10	43.76	125.94	-19.04	-12.26	119.16	30.62
		810	636.84	84.93	-102.92	-99.27	81.28	25.92	242.23	58.16	75.21	225.18	-53.37
653	2	686	283.05	9.35	-59.58	-6.98	-43.26	29.30	86.70	-20.30	15.35	51.05	50.44
		815	493.64	-2.27	-202.82	-13.05	-192.03	45.23	137.46	-2.92	-2.65	137.19	6.16
		842	314.08	7.43	-203.65	-10.46	-185.76	58.79	65.10	-54.94	-28.88	39.04	49.49
		810	474.10	0.62	-54.47	-4.33	-49.53	15.74	66.51	-124.49	-10.88	-47.10	93.77
654	1	810	210.23	67.57	-64.55	-54.52	57.54	35.00	68.32	8.98	42.38	34.92	29.44
		842	349.96	140.32	-60.79	-54.52	134.05	34.96	72.75	-33.12	-5.64	45.27	46.42
		819	340.35	142.40	-12.32	-3.97	134.05	34.96	75.14	-36.27	1.92	36.95	52.88
		689	239.26	73.38	-19.81	-3.97	57.54	35.00	76.02	0.52	49.94	26.61	35.90
654	2	810	355.78	-6.94	-69.49	-7.67	-68.76	6.72	69.87	-77.32	6.21	-13.66	72.92
		842	338.02	-7.41	-187.63	-7.67	-187.38	6.79	70.20	-53.80	24.07	-7.68	59.94
		819	375.59	-0.19	-187.62	-0.44	-187.38	6.79	56.33	-75.75	14.39	-33.82	61.48
		689	381.38	0.22	-69.42	-0.44	-68.76	6.72	55.02	-98.29	-3.47	-39.81	74.47
655	1	689	257.29	55.42	-8.96	-1.82	48.28	20.21	44.68	-62.82	28.19	-46.34	38.74
		819	270.64	181.39	-4.03	-1.82	179.17	20.14	53.55	-45.54	10.22	-2.21	49.15
		817	347.86	181.49	4.29	6.61	179.17	20.14	73.05	-64.00	15.02	-5.97	67.72
		809	333.38	56.48	-1.59	6.61	48.28	20.21	62.23	-79.33	32.99	-50.09	57.31
655	2	689	349.40	-1.00	-87.19	-1.12	-87.07	3.20	52.83	-87.35	-2.50	-32.02	68.52
		819	390.57	-1.06	-180.52	-1.12	-180.46	3.26	60.77	-81.62	14.21	-35.06	66.80
		817	385.48	1.65	-180.52	1.59	-180.46	3.26	57.60	-81.21	13.13	-36.74	64.77
		809	342.53	1.71	-87.19	1.59	-87.07	3.20	49.54	-86.82	-3.57	-33.71	66.50
656	1	809	396.14	68.22	7.69	8.64	67.28	7.50	49.61	-107.20	29.78	-87.37	52.12
		817	388.87	194.31	8.31	8.64	193.98	7.79	58.25	-85.95	9.94	-37.64	68.06
		818	498.90	194.23	-52.16	-51.92	193.98	7.79	102.33	-95.58	23.47	-16.72	96.89
		688	488.40	67.75	-52.39	-51.92	67.28	7.50	86.23	-109.36	43.32	-66.44	80.94
656	2	809	332.94	1.03	-110.06	0.74	-109.76	5.68	45.77	-80.38	2.06	-36.67	60.03
		817	404.53	0.91	-172.19	0.74	-172.01	5.54	59.90	-89.88	7.11	-37.09	71.55
		818	375.73	20.99	-172.17	20.83	-172.01	5.54	78.62	-65.51	18.87	-5.76	71.00
		688	306.23	21.08	-110.01	20.83	-109.76	5.68	64.49	-56.01	13.82	-5.34	59.48
657	1	688	603.49	128.88	-27.27	-13.65	115.27	-44.06	131.57	-110.52	-8.00	29.06	119.62
		818	511.24	149.47	-61.86	-45.11	132.71	-57.10	68.67	-114.81	-20.05	-26.09	91.69
		841	463.33	176.84	75.58	113.44	138.98	-48.99	105.91	-78.07	-45.64	73.49	70.10
		690	628.75	148.61	40.31	79.92	109.00	-52.16	174.77	-79.71	-33.59	128.64	98.03
657	2	688	393.51	13.23	-128.66	1.43	-116.87	39.18	113.20	-38.59	22.16	52.45	74.37
		818	417.86	22.99	-155.92	8.46	-141.39	48.87	55.11	-104.72	-53.94	4.33	74.41
		841	510.36	-15.50	-159.53	-31.14	-143.89	44.80	148.95	-37.40	-24.37	135.91	47.53
		690	535.71	-4.71	-131.42	-21.76	-114.37	43.24	199.31	36.45	51.73	184.03	47.49
658	1	690	315.33	171.19	104.49	144.76	130.91	32.63	97.21	-1.03	-0.81	96.99	4.68

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		841	594.30	204.06	104.58	107.67	200.97	17.28	119.51	-108.70	-87.28	98.09	66.55
		836	407.28	205.25	-102.62	-101.64	204.26	17.42	75.97	-56.40	-5.69	25.26	64.35
		804	323.99	131.43	-148.84	-145.03	127.62	32.48	80.89	24.04	80.78	24.15	2.48
658	2	690	298.71	28.68	-35.53	0.23	-7.08	31.89	78.74	-34.03	-8.64e-03	44.72	51.76
		841	320.83	7.42	-169.87	-6.49	-155.96	47.67	93.33	10.19	15.45	88.07	20.24
		836	402.23	17.66	-172.27	-4.90	-149.70	61.46	45.91	-90.35	-29.89	-14.56	67.70
		804	501.13	13.05	-25.76	0.63	-13.34	18.11	47.79	-151.05	-45.35	-57.92	99.22
659	1	804	588.70	160.69	-52.78	-43.87	151.78	-42.69	76.63	-139.60	-13.18	-49.80	106.55
		836	621.96	271.32	-78.12	-58.52	251.73	-80.40	65.92	-127.10	-2.16	-59.02	92.23
		820	484.70	285.11	86.38	111.48	260.01	-66.01	98.20	-87.08	-34.74	45.86	83.41
		691	558.43	178.87	51.40	86.78	143.49	-57.08	114.64	-105.31	-45.75	55.08	97.74
659	2	804	440.04	-1.30	-78.95	-19.09	-61.16	32.64	64.51	-105.45	-14.06	-26.89	84.74
		836	462.63	-2.78	-86.04	-21.02	-67.80	34.44	43.92	-128.71	-39.46	-45.34	86.27
		820	412.58	8.80	-82.99	-6.35	-67.84	34.08	127.46	-41.19	-14.00	100.27	62.01
		691	417.70	8.08	-76.85	-7.66	-61.11	33.00	145.92	-15.80	11.40	118.72	60.49
660	1	691	341.55	190.96	114.90	119.83	186.02	18.74	95.68	10.56	12.09	94.16	11.29
		820	634.15	301.63	86.82	86.83	301.62	-1.62	109.89	-116.37	-90.85	84.37	71.58
		837	407.96	302.62	-106.03	-105.94	302.53	-6.13	65.38	-56.91	-9.08	17.55	59.68
		805	378.93	186.72	-151.16	-149.56	185.11	23.25	93.85	27.33	93.85	27.33	-0.61
660	2	691	317.15	64.17	6.13	16.58	53.72	22.30	70.82	-51.26	-8.92	28.48	58.10
		820	235.38	19.83	-73.58	5.70	-59.44	33.48	78.85	-11.62	5.25	61.98	35.24
		837	392.45	11.24	-85.09	-20.29	-53.56	45.20	43.11	-98.66	-28.73	-26.82	70.88
		805	463.43	49.42	-22.97	-21.39	47.84	10.58	42.53	-145.75	-42.91	-60.32	93.74
661	1	805	630.57	222.98	-40.08	-29.60	212.51	-51.43	77.21	-145.74	-14.05	-54.47	109.63
		837	704.21	382.58	-68.11	-41.92	356.38	-105.45	63.45	-135.90	-3.35	-69.10	94.10
		821	490.99	394.60	96.93	124.15	367.38	-85.80	89.11	-87.02	-38.82	40.92	78.52
		692	555.19	237.40	60.70	96.58	201.51	-71.08	110.74	-104.71	-49.52	55.54	94.05
661	2	805	437.03	5.97	-38.77	-18.53	-14.27	22.27	62.21	-112.94	-17.61	-33.13	87.23
		837	434.07	32.52	-20.88	-20.32	31.96	5.45	38.21	-138.80	-44.02	-56.56	88.29
		821	417.66	40.04	9.17	14.10	35.11	11.31	122.76	-42.27	-18.93	99.42	57.50
		692	413.29	15.60	-25.58	7.44	-17.42	16.41	145.88	-15.54	7.49	122.85	56.45
662	1	692	358.93	255.08	119.27	119.42	254.92	4.64	85.56	7.38	7.39	85.56	-0.20
		821	665.22	417.55	83.36	84.84	416.07	-22.17	94.02	-124.45	-100.61	70.18	68.12
		838	403.69	417.05	-122.58	-120.84	415.31	-30.59	49.66	-48.94	-6.69	7.40	48.79
		806	461.26	256.08	-171.30	-170.90	255.68	13.05	105.89	18.19	101.30	22.78	-19.53
662	2	692	270.52	106.64	21.98	23.60	105.02	11.60	56.27	-42.98	-14.09	27.38	45.09
		821	236.05	42.50	0.74	10.49	32.76	17.66	68.64	-16.73	-4.24	56.16	30.16
		838	313.42	46.33	-42.59	-33.91	37.65	26.40	34.10	-84.14	-25.31	-24.73	59.12
		806	386.04	100.19	-40.59	-40.53	100.13	2.87	30.27	-118.94	-35.16	-53.51	74.04
663	1	806	620.16	267.70	-31.37	-19.09	255.42	-59.34	57.45	-143.80	-15.95	-70.40	96.87
		838	787.98	519.82	-65.66	-27.54	481.70	-144.45	46.93	-139.55	-2.60	-90.03	82.36
		822	469.99	531.62	106.50	140.13	498.00	-114.74	62.06	-73.15	-37.71	26.62	59.46
		693	484.07	283.82	61.69	106.38	239.13	-89.05	86.13	-90.96	-51.07	46.24	73.98
663	2	806	365.95	24.98	-20.28	-13.55	18.25	16.10	49.32	-99.20	-17.28	-32.60	73.86
		838	430.81	131.85	-17.44	-13.46	127.87	-24.05	24.19	-126.46	-41.16	-61.11	74.66
		822	418.16	136.08	30.78	31.85	135.01	-10.56	116.93	-26.94	-16.91	106.90	36.64
		693	391.80	20.50	10.38	19.77	11.11	2.62	144.74	-2.35	6.97	135.42	35.83
664	1	693	363.20	275.95	92.97	94.26	274.66	-15.29	76.31	-12.83	0.46	63.02	-31.75
		822	643.53	540.31	65.65	71.56	534.40	-52.63	58.95	-114.61	-103.25	47.58	42.94
		839	419.12	535.71	-107.08	-98.83	527.46	-72.36	27.28	-18.62	-1.65	10.30	22.16
		807	506.78	281.65	-147.34	-147.29	281.61	4.44	128.83	-1.03	102.06	25.74	-52.53
664	2	693	207.50	119.95	13.84	14.06	119.73	4.87	40.52	-18.06	-14.98	37.44	13.07
		822	267.43	135.06	6.88	6.90	135.05	1.42	63.24	-8.64	-7.73	62.33	8.04
		839	205.93	135.59	-29.88	-29.87	135.58	1.29	31.29	-33.76	-11.74	9.27	30.78
		807	198.62	119.36	-38.81	-38.65	119.20	4.99	18.54	-53.15	-18.99	-15.62	35.80
665	1	807	534.09	291.90	-90.24	-81.28	282.93	-57.84	64.84	-85.63	23.20	-43.99	67.32
		839	620.35	555.53	-86.53	-81.28	550.28	-57.81	41.51	-56.59	38.18	-53.26	17.76
		823	396.79	557.21	67.54	74.46	550.28	-57.81	-1.60	-39.86	-39.66	-1.80	2.79
		694	359.02	297.90	59.49	74.46	282.93	-57.84	37.28	-84.45	-54.64	7.47	52.35
665	2	807	296.63	17.09	-25.89	-25.36	16.56	-4.74	86.14	-35.45	27.47	23.22	60.76
		839	273.29	212.54	-25.45	-25.36	212.44	-4.71	34.10	-56.75	-10.59	-12.07	45.42
		823	500.20	212.56	16.51	16.63	212.44	-4.71	126.06	-20.15	-20.04	125.96	3.90
		694	422.94	21.33	11.86	16.63	16.56	-4.74	163.78	15.47	18.01	161.24	19.24
666	1	694	464.29	185.06	56.09	60.82	180.32	-24.24	95.20	-74.12	-30.58	51.66	-74.01
		823	445.79	427.18	59.22	60.82	425.58	-24.21	36.55	-55.56	-54.01	35.00	-11.86
		840	592.71	426.72	-85.73	-84.58	425.58	-24.21	45.68	-83.77	38.01	-76.10	-30.56
		808	589.70	182.53	-86.78	-84.58	180.32	-24.24	111.67	-109.67	61.44	-59.44	-92.71
666	2	694	196.49	83.49	15.20	15.57	83.13	-4.98	32.94	-37.72	-25.43	20.66	-26.78
		823	157.68	128.41	15.35	15.57	128.19	-4.97	25.94	-8.36	-5.78	23.36	-9.05
		840	177.46	128.35	-25.81	-25.65	128.19	-4.97	21.46	-18.28	19.51	-16.34	-8.57
		808	163.48	83.35	-25.88	-25.65	83.13	-4.98	18.35	-37.54	-0.14	-19.05	-26.30
667	1	808	494.35	164.19	-161.95	-106.15	108.40	-122.82	52.97	-83.52	46.99	-77.54	27.95

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		840	431.36	189.11	-157.23	-106.15	138.02	-122.81	53.47	-75.38	50.73	-72.64	-18.61
		824	229.28	274.05	27.14	163.16	138.02	-122.81	18.39	-22.19	-17.80	14.00	-12.60
		695	333.36	261.61	9.94	163.16	108.40	-122.82	31.03	-43.46	-21.54	9.10	33.95
667	2	808	155.59	-5.73	-76.31	-36.68	-45.36	-35.02	45.41	9.69	35.62	19.48	15.93
		840	97.18	83.07	-46.92	-36.68	72.84	-35.01	0.03	-15.77	-10.30	-5.44	7.52
		824	490.12	103.44	32.79	63.40	72.84	-35.01	166.93	-6.19	-4.14	164.88	-18.73
		695	505.44	73.70	-55.66	63.40	-45.36	-35.02	190.53	41.07	41.78	189.81	-10.31
668	1	695	546.03	153.07	22.63	146.80	28.90	27.89	174.88	-30.54	39.50	104.84	-97.37
		824	371.33	150.60	-58.96	146.80	-55.17	27.94	45.92	-66.22	-63.76	43.47	16.41
		831	225.51	-43.53	-122.23	-110.58	-55.17	27.94	64.51	14.74	49.23	30.03	-22.96
		697	783.55	34.27	-115.96	-110.58	28.90	27.89	262.06	-18.17	152.49	91.40	-136.75
668	2	695	379.38	78.29	31.13	61.86	47.56	22.47	119.57	-28.80	20.23	70.54	-69.78
		824	319.57	66.39	-50.15	61.86	-45.63	22.52	89.01	-14.34	-6.89	81.56	-26.72
		831	153.93	-30.82	-79.88	-65.07	-45.63	22.52	46.27	15.68	30.46	31.48	-15.29
		697	349.44	51.88	-69.39	-65.07	47.56	22.47	100.26	-22.21	57.59	20.47	-58.35
669	1	1065	2653.91	-33.04	-464.30	-457.70	-39.65	52.96	-3.46	-19.49	-10.67	-12.28	-7.98
		196	1950.42	-9.62	-446.89	-444.27	-12.25	33.78	-1.12	-5.22	-1.12	-5.22	-0.03
		200	1406.11	-6.91	-226.06	-220.73	-12.25	33.78	11.57	3.77	3.79	11.55	-0.32
		69	1927.93	-26.17	-247.64	-234.15	-39.65	52.96	9.09	-10.37	-5.77	4.49	-8.27
669	2	1065	2508.39	-5.35	-407.37	-373.79	-38.93	111.22	-2.60	-18.95	-9.78	-11.76	-8.11
		196	1851.04	17.38	-375.40	-355.80	-2.22	85.52	-0.62	-6.02	-0.80	-5.84	-0.97
		200	1503.88	22.75	-295.14	-270.17	-2.22	85.52	9.76	2.87	3.30	9.34	-1.66
		69	2302.75	3.49	-330.58	-288.16	-38.93	111.22	8.78	-11.04	-5.68	3.41	-8.80
670	1	1064	3957.27	2.83	-648.51	-647.61	1.93	-24.22	-2.89	-23.48	-13.89	-12.48	-10.27
		1065	2713.55	-23.80	-660.31	-660.25	-23.86	-6.17	0.09	-4.78	-0.90	-3.79	-1.96
		69	3269.21	-23.79	-613.21	-613.14	-23.86	-6.17	17.11	2.43	2.56	16.98	-1.40
		66	4258.58	2.90	-601.48	-600.51	1.93	-24.22	12.41	-14.55	-10.43	8.29	-9.70
670	2	1064	3691.99	18.03	-640.13	-637.00	14.89	45.32	-2.06	-22.83	-13.22	-11.67	-10.36
		1065	2808.67	4.07	-649.58	-644.69	-0.82	56.32	0.55	-5.76	-1.21	-4.00	-2.83
		69	3477.73	3.84	-681.16	-676.50	-0.82	56.32	15.35	1.27	1.74	14.88	-2.53
		66	4308.73	17.88	-671.80	-668.80	14.89	45.32	11.79	-14.85	-10.27	7.21	-10.06
671	1	1063	4857.94	46.48	-841.23	-840.55	45.81	-24.53	0.45	-21.23	-13.94	-6.84	-10.24
		1064	3937.99	61.92	-834.68	-833.32	60.57	-34.86	3.13	-6.17	-3.52	0.49	-4.20
		66	4557.57	61.97	-804.72	-803.31	60.57	-34.86	16.09	-2.12	-1.62	15.59	-2.97
		63	5231.73	46.51	-811.25	-810.54	45.81	-24.53	11.69	-15.46	-12.04	8.27	-9.01
671	2	1063	4846.26	70.38	-879.34	-876.56	67.60	51.35	0.85	-21.23	-13.68	-6.70	-10.47
		1064	4059.51	91.00	-867.10	-865.75	89.65	35.92	3.40	-7.08	-3.77	0.08	-4.87
		66	4919.11	90.95	-901.45	-900.14	89.65	35.92	15.06	-2.99	-2.16	14.24	-3.76
		63	5497.32	70.29	-913.64	-910.95	67.60	51.35	11.22	-15.84	-12.07	7.46	-9.36
672	1	1062	5383.37	65.42	-952.84	-951.75	64.34	-33.19	4.13	-17.04	-12.47	-0.44	-8.71
		1063	4923.57	69.08	-951.29	-950.04	67.83	-35.64	6.21	-9.12	-6.60	3.69	-5.69
		63	5115.41	69.13	-908.54	-907.24	67.83	-35.64	12.18	-7.33	-6.11	10.97	-4.72
		60	5515.06	65.47	-910.08	-908.95	64.34	-33.19	9.61	-14.76	-11.98	6.84	-7.75
672	2	1062	5575.46	92.02	-1024.43	-1022.94	90.54	40.74	4.32	-17.15	-12.36	-0.47	-8.94
		1063	5181.09	98.12	-1020.97	-1019.80	96.94	36.25	6.23	-9.84	-6.84	3.23	-6.26
		63	5638.83	98.09	-1046.12	-1044.97	96.94	36.25	11.46	-8.23	-6.61	9.85	-5.40
		60	5986.39	91.99	-1049.56	-1048.11	90.54	40.74	9.21	-15.19	-12.13	6.15	-8.08
673	1	1061	5537.48	74.70	-985.17	-983.19	72.71	-45.84	6.89	-13.46	-10.70	4.13	-6.97
		1062	5402.77	65.25	-989.06	-987.57	63.76	-39.57	8.05	-11.23	-8.77	5.58	-6.44
		60	5234.01	65.34	-925.82	-924.24	63.76	-39.57	8.37	-11.14	-9.31	6.54	-5.70
		57	5365.22	74.82	-921.97	-919.85	72.71	-45.84	7.19	-13.35	-11.24	5.08	-6.23
673	2	1061	5907.01	102.96	-1087.01	-1086.57	102.52	23.03	7.10	-13.47	-10.62	4.25	-7.10
		1062	5803.18	95.13	-1091.22	-1090.53	94.44	28.69	8.04	-11.90	-9.08	5.21	-6.95
		60	5923.29	95.13	-1103.17	-1102.49	94.44	28.69	7.69	-12.19	-9.91	5.41	-6.34
		57	6026.13	102.96	-1098.97	-1098.53	102.52	23.03	6.76	-13.76	-11.45	4.44	-6.50
674	1	1060	5273.53	78.20	-938.25	-934.88	74.83	-58.45	8.60	-10.08	-8.57	7.08	-5.09
		1061	5376.41	57.25	-946.48	-944.48	55.25	-44.74	8.68	-12.18	-9.87	6.36	-6.56
		57	4937.74	57.43	-862.63	-860.44	55.25	-44.74	4.81	-13.41	-11.14	2.53	-6.02
		54	4827.10	78.51	-854.53	-850.85	74.83	-58.45	4.69	-11.28	-9.85	3.26	-4.56
674	2	1060	5801.06	106.39	-1067.77	-1067.76	106.38	2.91	9.04	-9.87	-8.41	7.58	-5.05
		1061	5919.19	86.56	-1077.85	-1077.60	86.31	16.96	8.76	-12.88	-10.30	6.19	-7.01
		57	5781.48	86.56	-1076.79	-1076.55	86.31	16.96	4.01	-14.72	-11.92	1.22	-6.67
		54	5650.92	106.39	-1066.72	-1066.71	106.38	2.91	4.17	-11.59	-10.03	2.61	-4.71
675	1	1059	4599.87	76.23	-815.10	-810.35	71.48	-64.87	9.80	-6.38	-5.82	9.24	-2.96
		1060	4896.92	48.73	-825.30	-822.75	46.18	-47.16	8.53	-12.06	-10.00	6.47	-6.18
		54	4262.20	49.07	-724.49	-721.61	46.18	-47.16	1.34	-14.55	-11.87	-1.34	-5.95
		51	3909.64	76.83	-714.57	-709.21	71.48	-64.87	2.19	-8.44	-7.68	1.43	-2.74
675	2	1059	5265.59	102.29	-968.32	-968.15	102.12	-13.40	10.79	-5.87	-5.44	10.36	-2.64
		1060	5571.89	74.98	-981.49	-981.46	74.95	5.62	8.84	-12.83	-10.60	6.61	-6.59
		54	5231.11	74.98	-970.11	-970.08	74.95	5.62	0.25	-16.25	-12.92	-3.09	-6.62
		51	4854.57	102.29	-956.93	-956.76	102.12	-13.40	1.44	-8.53	-7.75	0.66	-2.67
676	1	1058	3544.32	58.40	-620.20	-615.70	53.90	-55.08	11.24	-2.32	-2.30	11.22	-0.52

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		1059	4000.91	37.63	-627.61	-624.97	34.99	-41.84	7.99	-11.00	-9.30	6.29	-5.42
		51	3255.93	38.16	-516.85	-513.68	34.99	-41.84	-1.95	-14.98	-11.72	-5.22	-5.65
		48	2618.43	59.29	-509.79	-504.41	53.90	-55.08	-0.16	-4.83	-4.71	-0.29	-0.75
676	2	1058	4399.98	103.77	-786.66	-785.94	103.05	-25.39	13.80	-1.29	-1.27	13.79	0.41
		1059	4830.51	63.62	-805.27	-805.26	63.61	2.21	8.76	-12.03	-10.25	6.99	-5.81
		51	4344.65	63.62	-791.36	-791.35	63.61	2.21	-3.69	-17.84	-13.36	-8.17	-6.58
		48	3665.21	103.79	-772.76	-772.03	103.05	-25.39	-1.33	-4.43	-4.39	-1.37	-0.36
677	1	1057	2200.85	12.57	-352.01	-351.43	12.00	-14.42	13.16	1.26	1.62	12.79	2.05
		1058	2634.99	15.66	-350.75	-350.00	14.92	-16.47	7.10	-8.86	-7.64	5.87	-4.25
		48	1985.60	15.96	-245.56	-244.52	14.92	-16.47	-4.24	-14.57	-10.53	-8.28	-5.04
		45	1072.76	12.80	-246.76	-245.95	12.00	-14.42	-0.06	-2.58	-1.27	-1.36	1.26
677	2	1057	3372.77	105.10	-534.85	-532.84	103.09	-35.80	18.24	2.56	3.50	17.29	3.74
		1058	3735.84	52.73	-557.52	-557.52	52.73	-0.55	8.55	-10.40	-9.17	7.31	-4.67
		48	3189.51	52.73	-533.89	-533.89	52.73	-0.55	-6.58	-19.34	-13.02	-12.90	-6.38
		45	2495.08	105.17	-511.30	-509.22	103.09	-35.80	0.76	-4.04	-0.35	-2.93	2.03
678	1	195	1099.52	17.27	-114.06	-16.26	-80.53	57.26	10.82	2.21	3.50	9.53	3.07
		1057	1019.46	17.83	-62.58	0.85	-45.60	32.81	4.61	-4.46	-3.82	3.97	-2.32
		45	1108.54	102.44	-52.87	95.17	-45.60	32.81	-3.32	-8.85	-6.42	-5.76	-2.75
		199	1054.48	96.57	-99.05	78.05	-80.53	57.26	3.06	-2.35	0.90	-0.19	2.65
678	2	195	2128.40	138.81	-205.69	-192.70	125.82	-65.62	17.47	3.31	5.59	15.19	5.21
		1057	2001.59	36.77	-236.39	-236.35	36.73	-3.26	6.23	-6.45	-5.87	5.65	-2.66
		45	1649.32	36.78	-192.34	-192.29	36.73	-3.26	-5.72	-14.84	-9.51	-11.05	-4.50
		199	1602.22	140.70	-163.52	-148.64	125.82	-65.62	4.01	-3.57	1.95	-1.51	3.37
679	1	987	4681.27	78.04	-926.02	-908.23	60.25	-132.47	0.19	-9.85	-7.70	-1.96	-4.12
		988	5044.15	76.31	-926.49	-908.95	58.78	-131.44	-1.13	-15.99	-11.65	-5.47	-6.76
		1006	5034.31	76.20	-932.94	-915.52	58.78	-131.44	-4.22	-19.60	-12.81	-11.01	-7.64
		1005	4633.47	77.93	-932.48	-914.80	60.25	-132.47	-3.13	-13.23	-8.86	-7.50	-5.00
679	2	987	4709.05	220.87	-892.80	-892.43	220.50	20.43	0.76	-8.47	-6.92	-0.79	-3.45
		988	4940.77	203.07	-902.46	-901.46	202.06	33.33	-0.88	-15.32	-11.30	-4.91	-6.47
		1006	4945.25	203.04	-936.42	-935.45	202.06	33.33	-4.35	-19.61	-12.75	-11.22	-7.59
		1005	4653.20	220.86	-926.78	-926.42	220.50	20.43	-3.13	-12.34	-8.37	-7.10	-4.56
680	1	1047	2568.80	-63.10	-383.21	-274.63	-171.68	-151.55	-3.55	-13.73	-7.98	-9.29	-5.05
		192	1511.78	-205.88	-383.24	-321.60	-267.52	-84.46	-0.67	-3.66	-0.68	-3.66	-0.09
		196	2022.42	-239.86	-525.37	-497.70	-267.52	-84.46	5.10	1.17	1.30	4.96	0.71
		1065	2743.39	-105.21	-517.21	-450.74	-171.68	-151.55	1.68	-8.36	-6.01	-0.67	-4.25
680	2	1047	1868.11	-103.14	-262.63	-261.43	-104.34	13.78	-3.46	-15.13	-8.11	-10.47	-5.72
		192	1155.63	-138.02	-301.65	-285.73	-153.94	48.50	-0.51	-4.40	-0.55	-4.36	-0.40
		196	1543.01	-144.36	-399.55	-389.98	-153.94	48.50	5.38	1.73	1.81	5.30	0.56
		1065	1946.37	-103.62	-366.40	-365.67	-104.34	13.78	2.08	-8.64	-5.75	-0.82	-4.76
681	1	1046	3877.21	-16.34	-659.44	-644.54	-31.25	-96.78	-5.56	-21.88	-12.73	-14.71	-8.10
		1047	2767.31	17.06	-651.83	-631.05	-3.72	-116.05	-2.20	-6.42	-2.83	-5.79	-1.50
		1065	3126.50	16.55	-668.23	-647.97	-3.72	-116.05	8.50	0.03	0.12	8.42	0.85
		1064	3860.72	-16.72	-675.98	-661.46	-31.25	-96.78	2.24	-12.53	-9.79	-0.50	-5.74
681	2	1046	3399.55	9.26	-619.74	-617.86	7.38	34.33	-5.08	-21.94	-12.35	-14.67	-8.35
		1047	2647.54	28.11	-608.66	-608.01	27.46	20.27	-1.84	-7.17	-2.69	-6.32	-1.95
		1065	3049.91	28.08	-635.30	-634.68	27.46	20.27	7.79	0.14	0.14	7.79	0.05
		1064	3574.17	9.18	-646.32	-644.52	7.38	34.33	2.72	-12.81	-9.52	-0.57	-6.34
682	1	1045	4728.45	39.48	-859.66	-845.99	25.81	-110.04	-5.04	-21.36	-13.49	-12.90	-8.16
		1046	3944.38	37.27	-860.28	-846.92	23.91	-108.71	-3.20	-9.60	-6.10	-6.69	-3.19
		1064	4160.10	37.37	-854.26	-840.80	23.91	-108.71	4.95	-4.21	-3.81	4.55	-1.87
		1063	4799.13	39.58	-853.64	-839.87	25.81	-110.04	1.91	-14.77	-11.20	-1.66	-6.84
682	2	1045	4443.40	68.32	-842.51	-842.37	68.19	11.18	-4.29	-21.09	-13.07	-12.31	-8.39
		1046	3813.10	63.91	-844.80	-844.58	63.68	14.33	-2.54	-10.07	-5.99	-6.63	-3.75
		1064	4249.17	63.90	-874.00	-873.78	63.68	14.33	4.85	-4.77	-3.97	4.05	-2.65
		1063	4744.81	68.32	-871.71	-871.58	68.19	11.18	2.33	-15.03	-11.06	-1.63	-7.29
683	1	1044	5279.82	74.97	-983.41	-972.19	63.76	-108.37	-3.70	-20.07	-13.41	-10.35	-8.04
		1045	4797.68	80.63	-981.67	-969.76	68.72	-111.84	-2.48	-12.22	-8.44	-6.25	-4.74
		1063	4897.27	80.86	-961.80	-949.67	68.72	-111.84	2.98	-8.48	-6.94	1.45	-3.90
		1062	5321.49	75.19	-963.53	-952.10	63.76	-108.37	1.28	-15.84	-11.91	-2.65	-7.20
683	2	1044	5189.25	114.87	-995.88	-995.84	114.83	6.75	-2.79	-19.43	-12.93	-9.29	-8.12
		1045	4818.10	117.04	-994.80	-994.77	117.02	5.22	-1.71	-12.57	-8.44	-5.84	-5.27
		1063	5126.87	117.04	-1018.19	-1018.17	117.02	5.22	3.02	-9.38	-7.29	0.93	-4.65
		1062	5452.97	114.87	-1019.28	-1019.24	114.83	6.75	1.66	-15.96	-11.78	-2.52	-7.50
684	1	1043	5429.52	90.09	-1025.05	-1014.64	79.69	-107.22	-1.96	-17.40	-12.28	-7.08	-7.27
		1044	5217.21	90.38	-1024.96	-1014.52	79.94	-107.40	-1.38	-13.96	-10.02	-5.31	-5.83
		1062	5190.03	90.67	-994.66	-983.93	79.94	-107.40	1.16	-12.26	-9.40	-1.70	-5.49
		1061	5392.47	90.39	-994.75	-984.05	79.69	-107.22	0.49	-15.62	-11.66	-3.47	-6.94
684	2	1043	5528.26	139.97	-1064.12	-1064.12	139.96	-1.91	-0.84	-16.42	-11.72	-5.53	-7.15
		1044	5388.78	134.16	-1066.97	-1066.97	134.16	2.15	-0.52	-14.24	-10.15	-4.61	-6.28
		1062	5554.00	134.16	-1085.34	-1085.34	134.16	2.15	1.21	-13.40	-9.91	-2.27	-6.23
		1061	5690.31	139.97	-1082.50	-1082.49	139.96	-1.91	0.88	-15.56	-11.49	-3.20	-7.10
685	1	1042	5175.93	91.33	-987.33	-977.42	81.42	-102.96	6.76e-03	-13.70	-10.22	-3.47	-5.96

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1043	5218.96	85.97	-989.06	-979.75	76.66	-99.63	-0.15	-14.66	-10.78	-4.04	-6.42
		1061	5068.67	86.34	-948.84	-939.17	76.66	-99.63	-0.59	-15.15	-11.04	-4.69	-6.55
		1060	5024.31	91.72	-947.14	-936.84	81.42	-102.96	-0.44	-14.17	-10.48	-4.13	-6.09
685	2	1042	5470.13	150.98	-1051.51	-1051.38	150.85	-12.13	1.44	-12.46	-9.59	-1.43	-5.63
		1043	5540.38	136.38	-1058.48	-1058.48	136.37	-1.99	0.84	-14.86	-11.00	-3.01	-6.76
		1061	5561.43	136.38	-1070.56	-1070.56	136.37	-1.99	-0.53	-16.39	-11.69	-5.23	-7.24
		1060	5483.50	150.97	-1063.58	-1063.46	150.85	-12.13	-0.01	-13.92	-10.28	-3.65	-6.11
686	1	1041	4516.19	81.55	-871.25	-862.43	72.74	-91.22	2.27	-8.95	-7.21	0.53	-4.07
		1042	4809.33	72.66	-874.12	-866.30	64.84	-85.69	1.07	-14.35	-10.76	-2.52	-6.52
		1060	4556.86	73.09	-825.53	-817.29	64.84	-85.69	-2.35	-17.27	-11.92	-7.71	-7.16
		1059	4223.87	82.03	-822.71	-813.42	72.74	-91.22	-1.46	-11.57	-8.36	-4.67	-4.70
686	2	1041	5019.47	150.15	-959.29	-958.91	149.77	-20.48	4.20	-7.67	-6.51	3.04	-3.53
		1042	5279.04	128.33	-969.46	-969.43	128.30	-5.45	2.25	-14.44	-11.04	-1.14	-6.72
		1060	5157.98	128.33	-974.03	-974.01	128.30	-5.45	-2.29	-18.48	-12.66	-8.11	-7.77
		1059	4834.15	150.15	-963.86	-963.49	149.77	-20.48	-0.99	-11.06	-8.13	-3.92	-4.57
687	1	1040	3482.72	62.32	-677.99	-671.70	56.03	-67.97	5.28	-3.53	-3.24	4.99	-1.57
		1041	3995.38	52.55	-681.23	-675.98	47.30	-61.86	2.28	-13.06	-10.02	-0.77	-6.12
		1059	3697.64	52.97	-627.28	-621.61	47.30	-61.86	-4.01	-18.85	-12.08	-10.78	-7.39
		1058	3010.28	62.82	-624.12	-617.33	56.03	-67.97	-2.31	-8.01	-5.30	-5.02	-2.85
687	2	1040	4192.60	133.75	-788.90	-788.50	133.35	-19.20	7.76	-2.65	-2.57	7.67	-0.95
		1041	4596.14	112.21	-798.88	-798.86	112.19	-4.39	3.69	-13.00	-10.24	0.93	-6.20
		1059	4350.94	112.21	-796.07	-796.05	112.19	-4.39	-3.97	-19.61	-12.76	-10.82	-7.76
		1058	3744.43	133.75	-786.08	-785.68	133.35	-19.20	-2.03	-7.14	-5.09	-4.09	-2.51
688	1	1039	2145.98	16.29	-412.99	-411.43	14.72	-25.89	8.99	0.93	1.07	8.84	1.06
		1040	2733.11	19.94	-411.63	-409.78	18.09	-28.25	3.25	-10.64	-8.29	0.90	-5.21
		1058	2528.35	20.24	-351.70	-349.54	18.09	-28.25	-4.96	-18.99	-11.11	-12.84	-6.96
		1057	1570.84	16.54	-353.01	-351.19	14.72	-25.89	-1.60	-5.03	-1.75	-4.89	-0.69
688	2	1039	3208.29	146.56	-528.52	-528.34	146.38	-11.01	12.85	1.68	2.10	12.42	2.14
		1040	3506.16	104.13	-549.86	-549.31	103.58	18.96	4.95	-10.56	-8.62	3.01	-5.13
		1058	3212.05	104.13	-550.57	-550.02	103.58	18.96	-5.26	-20.03	-12.05	-13.24	-7.36
		1057	2601.05	146.56	-529.23	-529.05	146.38	-11.01	-1.32	-3.83	-1.32	-3.83	-0.08
689	1	191	897.59	-15.56	-95.08	-66.91	-43.74	38.03	9.40	2.58	3.71	8.28	2.53
		1039	862.29	-13.19	-78.68	-60.73	-31.14	29.21	2.70	-6.26	-4.62	1.05	-3.47
		1057	1284.33	16.41	-49.09	-1.54	-31.14	29.21	-3.79	-13.88	-7.51	-10.16	-4.87
		195	661.27	16.36	-67.81	-7.72	-43.74	38.03	1.14	-3.25	0.82	-2.93	1.14
689	2	191	2180.03	182.51	-206.44	-206.39	182.47	-4.19	13.52	3.07	4.60	12.00	3.69
		1039	1978.42	121.75	-243.33	-238.51	116.92	41.69	4.45	-6.24	-5.12	3.33	-3.27
		1057	1878.84	121.97	-227.42	-222.37	116.92	41.69	-4.18	-14.62	-8.53	-10.27	-5.15
		195	1558.91	182.51	-190.30	-190.25	182.47	-4.19	2.09	-2.50	1.19	-1.60	1.82
690	1	986	3706.28	55.34	-756.49	-743.30	42.15	-102.65	3.32	-4.05	-3.69	2.96	-1.59
		987	4319.12	55.68	-756.40	-743.16	42.43	-102.85	0.10	-14.58	-10.95	-3.54	-6.34
		1005	4284.48	55.76	-751.46	-738.14	42.43	-102.85	-5.29	-21.48	-12.99	-13.78	-8.09
		1004	3507.48	55.42	-751.55	-738.28	42.15	-102.65	-3.09	-9.93	-5.74	-7.28	-3.33
690	2	986	4108.09	238.29	-741.47	-740.41	237.23	32.16	4.71	-2.84	-2.78	4.64	-0.71
		987	4408.84	214.77	-755.21	-752.66	212.22	49.66	0.56	-13.81	-10.63	-2.61	-5.96
		1005	4245.97	214.71	-778.81	-776.32	212.22	49.66	-5.48	-21.47	-13.01	-13.95	-7.98
		1004	3720.48	238.26	-765.10	-764.07	237.23	32.16	-3.08	-8.76	-5.15	-6.69	-2.73
691	1	1029	2279.89	-150.49	-294.40	-273.11	-171.77	-51.09	-4.03	-16.03	-8.63	-11.44	-5.83
		188	1116.42	-164.74	-295.16	-278.05	-181.86	-44.03	-6.52e-03	-3.49	-0.04	-3.45	0.34
		192	1616.84	-166.79	-310.52	-295.45	-181.86	-44.03	8.62	2.00	2.92	7.70	2.29
		1047	1789.48	-152.82	-309.47	-290.51	-171.77	-51.09	1.75	-7.70	-5.66	-0.29	-3.89
691	2	1029	1781.05	-87.23	-275.39	-244.47	-118.15	69.72	-3.85	-16.35	-8.48	-11.71	-6.04
		188	1097.82	-91.53	-288.33	-250.14	-129.72	77.82	0.04	-3.98	0.04	-3.98	0.04
		192	1328.19	-96.03	-309.48	-275.79	-129.72	77.82	7.92	2.25	2.92	7.25	1.83
		1047	1448.72	-91.01	-297.26	-270.12	-118.15	69.72	1.92	-8.00	-5.60	-0.48	-4.25
692	1	1028	3737.63	-53.23	-613.08	-568.07	-98.25	-152.23	-5.33	-20.23	-11.91	-13.66	-7.40
		1029	2525.53	-117.96	-621.42	-592.10	-147.28	-117.90	-2.25	-6.53	-2.83	-5.95	-1.47
		1047	2814.96	-121.58	-688.14	-662.44	-147.28	-117.90	6.73	-0.36	-0.34	6.71	0.35
		1046	3799.96	-58.30	-678.36	-638.41	-98.25	-152.23	1.78	-12.21	-9.42	-1.00	-5.59
692	2	1028	3171.04	-29.33	-556.05	-555.92	-29.46	8.21	-5.18	-20.94	-11.87	-14.25	-7.79
		1029	2294.50	-54.54	-570.27	-568.88	-55.93	26.73	-1.88	-6.98	-2.56	-6.31	-1.73
		1047	2761.49	-54.68	-627.88	-626.63	-55.93	26.73	6.91	-0.01	-6.08e-03	6.91	0.18
		1046	3374.18	-29.35	-613.78	-613.67	-29.46	8.21	2.02	-12.37	-9.32	-1.04	-5.89
693	1	1027	4737.71	18.50	-847.76	-821.30	-7.96	-149.06	-5.27	-21.80	-13.50	-13.57	-8.26
		1028	3900.97	21.89	-847.03	-819.95	-5.19	-151.00	-2.92	-9.62	-5.86	-6.68	-3.33
		1046	4164.02	21.00	-875.74	-849.55	-5.19	-151.00	4.39	-4.01	-3.78	4.15	-1.39
		1045	4832.36	17.63	-876.49	-850.90	-7.96	-149.06	0.60	-14.75	-11.41	-2.74	-6.33
693	2	1027	4283.23	57.48	-807.51	-807.49	57.46	4.66	-4.84	-21.44	-13.06	-13.21	-8.30
		1028	3633.73	58.33	-807.08	-807.06	58.32	4.06	-2.64	-9.93	-5.75	-6.82	-3.61
		1046	4075.96	58.33	-844.25	-844.23	58.32	4.06	4.12	-4.26	-3.80	3.66	-1.92
		1045	4555.85	57.48	-844.67	-844.65	57.46	4.66	0.91	-14.75	-11.11	-2.73	-6.61
694	1	1026	5297.71	66.01	-988.35	-966.41	44.07	-150.49	-4.27	-19.99	-13.22	-11.05	-7.78

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1027	4844.40	65.11	-988.58	-966.78	43.31	-149.96	-2.96	-12.80	-8.76	-7.00	-4.84
		1045	4957.89	64.96	-995.51	-973.87	43.31	-149.96	1.07	-9.09	-7.46	-0.57	-3.73
		1044	5360.78	65.87	-995.28	-973.49	44.07	-150.49	-0.66	-15.87	-11.91	-4.62	-6.67
694	2	1026	5014.10	117.18	-963.51	-963.48	117.15	-4.98	-3.64	-19.29	-12.70	-10.22	-7.73
		1027	4675.05	110.47	-966.76	-966.76	110.47	-0.30	-2.49	-12.91	-8.64	-6.76	-5.13
		1045	4951.84	110.47	-997.20	-997.20	110.47	-0.30	1.14	-9.66	-7.57	-0.95	-4.27
		1044	5248.97	117.18	-993.95	-993.92	117.15	-4.98	-0.27	-15.78	-11.64	-4.41	-6.87
695	1	1025	5482.93	91.67	-1044.96	-1026.35	73.07	-144.23	-2.94	-17.43	-12.14	-8.23	-6.98
		1026	5342.18	92.41	-1044.76	-1026.04	73.70	-144.67	-2.47	-14.95	-10.65	-6.77	-5.94
		1044	5321.88	92.59	-1034.09	-1015.20	73.70	-144.67	-1.15	-13.51	-10.12	-4.53	-5.51
		1043	5456.92	91.85	-1034.29	-1015.51	73.07	-144.23	-1.67	-15.93	-11.61	-5.99	-6.55
695	2	1025	5383.97	158.83	-1039.71	-1039.65	158.77	-8.54	-2.13	-16.47	-11.58	-7.02	-6.80
		1026	5292.36	150.59	-1043.67	-1043.66	150.59	-2.81	-1.83	-14.88	-11.52	-6.19	-6.16
		1044	5421.20	150.59	-1065.44	-1065.43	150.59	-2.81	-0.92	-14.10	-10.29	-4.73	-5.98
		1043	5510.50	158.82	-1061.49	-1061.43	158.77	-8.54	-1.23	-15.68	-11.36	-5.56	-6.62
696	1	1024	5252.80	96.85	-1018.16	-1001.70	80.40	-134.45	-1.29	-13.80	-10.15	-4.95	-5.69
		1025	5382.66	95.27	-1018.61	-1002.37	79.03	-133.49	-1.73	-15.92	-11.57	-6.08	-6.54
		1043	5262.93	95.62	-995.42	-978.83	79.03	-133.49	-2.84	-16.99	-11.86	-7.97	-6.81
		1042	5128.39	97.21	-994.97	-978.17	80.40	-134.45	-2.42	-14.85	-10.43	-6.84	-5.95
696	2	1024	5353.00	181.93	-1033.11	-1032.96	181.79	-13.14	-0.24	-12.61	-9.53	-3.33	-5.35
		1025	5468.63	167.08	-1040.19	-1040.18	167.07	-2.84	-0.93	-15.70	-11.47	-5.16	-6.67
		1043	5466.78	167.08	-1054.85	-1054.84	167.07	-2.84	-2.60	-17.55	-12.10	-8.05	-7.19
		1042	5339.94	181.93	-1047.77	-1047.63	181.79	-13.14	-2.00	-14.38	-10.16	-6.21	-5.87
697	1	1023	4604.26	84.65	-909.77	-895.64	70.51	-117.70	0.82	-9.06	-7.20	-1.05	-3.87
		1024	4989.37	81.92	-910.56	-896.80	68.16	-116.05	-0.73	-15.69	-11.60	-4.82	-6.67
		1042	4811.96	82.38	-879.10	-864.88	68.16	-116.05	-4.18	-19.55	-12.72	-11.01	-7.63
		1041	4374.44	85.11	-878.33	-863.73	70.51	-117.70	-2.92	-12.64	-8.33	-7.23	-4.83
697	2	1023	4937.88	190.04	-946.05	-945.78	189.77	-17.35	2.29	-7.76	-6.49	1.02	-3.33
		1024	5230.95	168.37	-956.28	-956.28	168.36	-2.36	0.23	-15.36	-11.55	-3.57	-6.70
		1042	5110.19	168.37	-964.62	-964.61	168.36	-2.36	-4.04	-20.05	-13.07	-11.02	-7.94
		1041	4740.78	190.04	-954.38	-954.12	189.77	-17.35	-2.57	-11.86	-8.01	-6.42	-4.58
698	1	1022	3556.48	57.80	-720.40	-710.05	47.46	-89.13	3.89	-3.55	-3.25	3.58	-1.47
		1023	4173.29	56.29	-720.84	-710.69	46.14	-88.21	0.55	-14.31	-10.78	-2.98	-6.32
		1041	4005.72	56.78	-685.38	-674.74	46.14	-88.21	-5.25	-21.33	-12.81	-13.77	-8.02
		1040	3196.55	58.30	-684.94	-674.10	47.46	-89.13	-2.93	-9.56	-5.28	-7.21	-3.17
698	2	1022	4186.84	185.09	-780.34	-780.00	184.74	-18.30	6.17	-2.53	-2.46	6.10	-0.73
		1023	4597.00	157.99	-793.11	-793.11	157.99	0.43	1.67	-13.93	-10.83	-1.43	-6.23
		1041	4371.73	157.99	-794.40	-794.40	157.99	0.43	-5.22	-21.77	-13.26	-13.72	-8.27
		1040	3716.97	185.09	-781.64	-781.29	184.74	-18.30	-2.69	-8.39	-4.90	-6.18	-2.78
699	1	1021	2250.60	30.30	-449.16	-444.08	25.22	-49.08	8.74	1.12	1.37	8.49	1.35
		1022	2924.76	22.83	-451.52	-447.32	18.62	-44.46	1.92	-11.78	-9.08	-0.78	-5.45
		1040	2917.97	23.17	-416.10	-411.56	18.62	-44.46	-5.75	-22.04	-12.00	-15.79	-7.92
		1039	1957.89	30.71	-413.81	-408.32	25.22	-49.08	-1.31	-6.75	-1.55	-6.51	-1.12
699	2	1021	3107.53	142.24	-543.95	-543.94	142.23	2.33	10.64	1.40	1.78	10.27	1.82
		1022	3497.52	134.75	-547.73	-547.65	134.66	7.63	3.12	-11.25	-8.94	0.81	-5.28
		1040	3216.19	134.75	-539.15	-539.06	134.66	7.63	-5.71	-21.31	-12.11	-14.91	-7.67
		1039	2725.53	142.24	-535.36	-535.35	142.23	2.33	-1.31	-5.53	-1.39	-5.45	-0.57
700	1	187	985.87	-34.80	-112.37	-111.15	-36.02	9.66	9.84	2.77	4.05	8.56	2.73
		1021	1087.31	-24.82	-105.72	-105.68	-24.86	1.85	2.06	-7.29	-5.33	0.10	-3.81
		1039	1526.85	-24.77	-60.34	-60.25	-24.86	1.85	-4.21	-16.59	-8.34	-12.45	-5.84
		191	527.04	-33.15	-68.58	-65.72	-36.02	9.66	1.13	-4.09	1.04	-3.99	0.70
700	2	187	2224.57	186.65	-203.60	-199.60	182.65	39.31	13.46	3.24	5.04	11.66	3.90
		1021	1884.27	149.78	-236.51	-222.55	135.82	72.10	3.27	-6.83	-5.45	1.89	-3.47
		1039	2332.31	149.42	-246.38	-232.78	135.82	72.10	-4.54	-17.05	-8.97	-12.62	-5.98
		191	1723.55	186.55	-213.73	-209.83	182.65	39.31	1.92	-3.25	1.52	-2.85	1.39
701	1	985	2431.08	14.64	-508.74	-501.34	7.23	-61.80	8.53	0.83	1.07	8.29	1.33
		986	3163.70	16.91	-508.09	-500.38	9.19	-63.17	1.62	-12.04	-9.34	-1.09	-5.45
		1004	3210.38	17.24	-487.04	-478.99	9.19	-63.17	-5.76	-22.20	-12.22	-15.74	-8.03
		1003	2149.99	14.95	-487.67	-479.95	7.23	-61.80	-1.49	-6.68	-1.81	-6.36	-1.25
701	2	985	3416.02	248.51	-515.43	-512.74	245.82	45.24	11.56	1.66	2.36	10.86	2.53
		986	3542.52	218.51	-535.56	-529.23	212.18	68.79	2.53	-11.36	-9.18	0.36	-5.05
		1004	3506.20	218.44	-543.61	-537.35	212.18	68.79	-6.25	-22.64	-12.52	-16.37	-7.96
		1003	3093.69	248.48	-523.52	-520.86	245.82	45.24	-0.95	-5.90	-0.98	-5.87	-0.39
702	1	1011	2131.49	-125.99	-264.72	-254.40	-136.31	-36.40	-4.19	-15.96	-8.73	-11.42	-5.73
		184	991.87	-121.71	-264.22	-252.83	-133.10	-38.65	0.07	-3.50	-0.01	-3.41	0.55
		188	1498.20	-122.92	-279.92	-269.74	-133.10	-38.65	9.06	2.04	3.01	8.09	2.42
		1029	1695.22	-127.12	-280.51	-271.32	-136.31	-36.40	2.00	-7.63	-5.70	0.08	-3.85
702	2	1011	1675.98	-74.03	-256.94	-213.41	-117.57	77.89	-3.93	-16.00	-8.39	-11.55	-5.82
		184	1027.01	-74.38	-258.43	-214.01	-118.80	78.76	0.14	-3.85	0.12	-3.84	0.24
		188	1247.81	-81.34	-284.38	-246.92	-118.80	78.76	8.13	2.20	2.99	7.34	2.02
		1029	1342.94	-80.89	-282.99	-246.32	-117.57	77.89	1.85	-7.74	-5.52	-0.37	-4.04
703	1	1010	3594.21	-78.58	-584.56	-563.96	-99.18	-100.00	-5.70	-21.68	-12.37	-15.00	-7.88

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		1011	2340.50	-90.47	-586.84	-568.62	-108.70	-93.34	-2.02	-6.43	-2.39	-6.06	-1.22
		1029	2510.25	-90.89	-597.96	-580.16	-108.70	-93.34	8.50	0.45	0.60	8.35	1.10
		1028	3409.91	-79.04	-595.64	-575.50	-99.18	-100.00	2.10	-12.08	-9.39	-0.59	-5.56
703	2	1010	3028.59	-43.17	-533.34	-530.80	-45.71	35.20	-5.43	-21.44	-11.98	-14.89	-7.87
		1011	2207.66	-50.21	-538.11	-534.69	-53.63	40.74	-1.80	-6.82	-2.29	-6.34	-1.48
		1029	2540.96	-50.41	-568.40	-565.18	-53.63	40.74	7.68	0.44	0.51	7.61	0.70
		1028	3080.73	-43.32	-563.69	-561.30	-45.71	35.20	1.97	-12.09	-9.18	-0.94	-5.70
704	1	1009	4599.10	-9.94	-819.41	-787.66	-41.69	-157.14	-5.11	-21.24	-13.20	-13.15	-8.07
		1010	3722.37	-41.87	-825.79	-800.26	-67.40	-139.14	-3.03	-9.66	-5.90	-6.78	-3.29
		1028	3946.07	-42.89	-857.19	-832.68	-67.40	-139.14	4.10	-4.19	-3.84	3.75	-1.68
		1027	4685.22	-11.17	-850.61	-820.08	-41.69	-157.14	0.86	-14.62	-11.14	-2.62	-6.46
704	2	1009	4078.16	33.66	-765.07	-765.06	33.66	1.90	-4.89	-21.03	-12.83	-13.08	-8.07
		1010	3415.79	16.74	-773.72	-773.47	16.49	13.92	-2.81	-9.84	-5.71	-6.94	-3.46
		1028	3837.40	16.73	-815.65	-815.42	16.49	13.92	3.82	-4.25	-3.76	3.34	-1.92
		1027	4342.06	33.66	-807.01	-807.01	33.66	1.90	0.83	-14.52	-10.89	-2.80	-6.53
705	1	1008	5258.05	46.61	-975.09	-947.48	18.99	-165.68	-4.09	-20.03	-13.19	-10.93	-7.89
		1009	4773.71	39.24	-976.79	-950.46	12.92	-161.42	-2.74	-12.77	-8.66	-6.84	-4.93
		1027	4925.56	38.71	-997.21	-971.42	12.92	-161.42	1.32	-9.05	-7.38	-0.35	-3.81
		1026	5358.40	46.05	-995.49	-968.44	18.99	-165.68	-0.44	-15.91	-11.91	-4.44	-6.77
705	2	1008	4847.08	106.31	-928.05	-928.03	106.29	-4.14	-3.77	-19.37	-12.67	-10.47	-7.72
		1009	4493.26	97.93	-932.13	-932.13	97.93	1.71	-2.56	-12.77	-8.49	-6.84	-5.04
		1027	4792.36	97.93	-968.58	-968.57	97.93	1.71	1.11	-9.36	-7.39	-0.87	-4.10
		1026	5098.87	106.31	-964.49	-964.47	106.29	-4.14	-0.38	-15.68	-11.57	-4.49	-6.78
706	1	1007	5497.30	81.30	-1043.76	-1019.46	57.01	-163.54	-2.68	-17.32	-12.08	-7.91	-7.02
		1008	5352.06	76.91	-1044.86	-1021.27	53.32	-160.95	-2.22	-15.01	-10.66	-6.57	-6.05
		1026	5398.83	76.75	-1052.71	-1029.29	53.32	-160.95	-1.02	-13.71	-10.21	-4.51	-5.67
		1025	5538.86	81.13	-1051.60	-1027.48	57.01	-163.54	-1.52	-15.98	-11.63	-5.86	-6.63
706	2	1007	5242.38	159.77	-1007.60	-1007.56	159.73	-6.81	-2.26	-16.43	-11.51	-7.18	-6.75
		1008	5147.19	148.02	-1013.30	-1013.30	148.02	1.38	-1.95	-14.83	-10.45	-6.33	-6.10
		1026	5312.80	148.02	-1044.62	-1044.62	148.02	1.38	-1.07	-14.03	-10.23	-4.88	-5.90
		1025	5405.40	159.77	-1038.92	-1038.88	159.73	-6.81	-1.40	-15.62	-11.29	-5.73	-6.55
707	1	1006	5322.54	94.52	-1029.14	-1008.04	73.42	-152.54	-0.93	-13.59	-10.06	-4.46	-5.67
		1007	5473.15	91.88	-1029.83	-1009.13	71.18	-150.98	-1.44	-16.06	-11.71	-5.80	-6.69
		1025	5417.31	91.99	-1024.28	-1003.47	71.18	-150.98	-2.82	-17.39	-12.09	-8.12	-7.01
		1024	5260.84	94.63	-1023.59	-1002.38	73.42	-152.54	-2.34	-14.88	-10.44	-6.78	-5.99
707	2	1006	5258.82	195.69	-1007.51	-1007.48	195.66	-5.79	-0.41	-12.58	-9.48	-3.51	-5.31
		1007	5375.19	180.52	-1014.93	-1014.91	180.50	4.82	-1.07	-15.72	-11.45	-5.34	-6.65
		1025	5404.03	180.52	-1038.67	-1038.65	180.50	4.82	-2.80	-17.58	-12.09	-8.29	-7.14
		1024	5276.20	195.69	-1031.25	-1031.22	195.66	-5.79	-2.21	-14.37	-10.12	-6.46	-5.80
708	1	1005	4721.35	86.40	-931.85	-913.77	68.33	-134.46	1.32	-8.77	-7.06	-0.39	-3.79
		1006	5144.14	84.29	-932.41	-914.65	66.53	-133.21	-0.41	-15.92	-11.83	-4.50	-6.83
		1024	5014.41	84.61	-914.97	-896.89	66.53	-133.21	-4.27	-20.15	-13.08	-11.34	-7.89
		1023	4533.09	86.72	-914.41	-896.01	68.33	-134.46	-2.90	-12.65	-8.31	-7.23	-4.85
708	2	1005	4896.80	215.09	-926.60	-926.58	215.08	-3.95	2.10	-7.70	-6.44	0.83	-3.29
		1006	5183.30	194.15	-936.99	-936.89	194.04	10.78	0.06	-15.44	-11.59	-3.80	-6.70
		1024	5076.28	194.14	-953.23	-953.13	194.04	10.78	-4.27	-20.24	-13.12	-11.39	-7.93
		1023	4711.05	215.09	-942.83	-942.82	215.08	-3.95	-2.80	-11.92	-7.97	-6.76	-4.52
709	1	1004	3707.89	58.48	-752.16	-737.96	44.27	-106.36	4.54	-3.34	-3.10	4.29	-1.37
		1005	4371.78	58.42	-752.18	-737.98	44.22	-106.33	0.88	-14.60	-11.07	-2.66	-6.50
		1023	4234.00	58.91	-725.38	-710.69	44.22	-106.33	-5.39	-22.03	-13.23	-14.19	-8.30
		1022	3366.86	58.97	-725.36	-710.67	44.27	-106.36	-2.93	-9.58	-5.26	-7.25	-3.17
709	2	1004	4213.87	220.71	-765.70	-765.70	220.71	0.06	6.12	-2.35	-2.30	6.07	-0.62
		1005	4595.27	194.19	-779.24	-778.88	193.82	18.88	1.52	-14.08	-10.92	-1.65	-6.27
		1023	4359.67	194.18	-789.19	-788.83	193.82	18.88	-5.54	-22.25	-13.42	-14.36	-8.34
		1022	3719.72	220.71	-775.66	-775.66	220.71	0.06	-2.89	-8.57	-4.81	-6.65	-2.69
710	1	1003	2351.20	12.82	-488.41	-480.78	5.19	-61.37	8.91	1.12	1.34	8.69	1.29
		1004	3117.31	18.75	-486.77	-478.29	10.27	-64.93	2.19	-12.00	-9.23	-0.58	-5.63
		1022	3119.27	19.32	-455.22	-446.16	10.27	-64.93	-5.87	-22.28	-12.23	-15.92	-7.99
		1021	2061.43	13.34	-456.80	-448.65	5.19	-61.37	-1.43	-6.87	-1.65	-6.65	-1.07
710	2	1003	3381.64	220.80	-523.43	-523.38	220.74	6.33	12.49	1.91	2.57	11.83	2.56
		1004	3613.08	185.81	-542.56	-541.17	184.43	31.75	3.13	-11.63	-9.41	0.91	-5.28
		1022	3340.24	185.80	-548.37	-546.99	184.43	31.75	-6.18	-23.29	-12.86	-16.61	-8.35
		1021	3014.96	220.80	-529.25	-529.20	220.74	6.33	-0.83	-5.74	-0.89	-5.69	-0.51
711	1	183	1073.22	0.65	-128.39	-127.57	-0.17	-10.25	10.71	2.86	4.28	9.29	3.02
		1003	1221.08	-20.07	-137.49	-137.37	-20.19	3.76	2.18	-7.47	-5.54	0.25	-3.86
		1021	1644.17	-20.03	-111.04	-110.89	-20.19	3.76	-4.43	-17.40	-8.78	-13.05	-6.13
		187	797.22	0.86	-102.11	-101.08	-0.17	-10.25	1.15	-4.13	1.04	-4.02	0.76
711	2	183	2028.78	110.19	-236.31	-220.52	94.40	72.26	12.84	3.15	4.83	11.16	3.67
		1003	1829.59	148.26	-200.18	-196.12	144.20	37.40	3.42	-6.68	-5.25	2.00	-3.51
		1021	2103.54	148.17	-207.65	-203.67	144.20	37.40	-4.54	-16.34	-8.75	-12.13	-5.65
		187	1506.27	109.85	-243.52	-228.07	94.40	72.26	1.82	-3.45	1.33	-2.96	1.53
712	1	179	1266.52	-46.43	-186.69	-186.69	-46.43	0.58	11.30	3.05	4.50	9.86	3.14

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		985	1428.93	-33.81	-181.15	-180.72	-34.24	-7.95	2.31	-7.74	-5.88	0.45	-3.91
		1003	1790.68	-33.61	-133.74	-133.10	-34.24	-7.95	-4.46	-17.86	-8.99	-13.32	-6.34
		183	809.22	-46.42	-139.08	-139.07	-46.43	0.58	1.48	-4.00	1.39	-3.91	0.70
712	2	179	2809.83	299.69	-201.16	-199.65	298.19	27.41	16.16	3.82	6.17	13.81	4.85
		985	2287.46	225.52	-261.25	-243.81	208.08	90.48	3.47	-7.48	-6.26	2.24	-3.45
		1003	2813.29	226.64	-232.90	-214.34	208.08	90.48	-5.19	-19.51	-9.92	-14.78	-6.73
		183	2119.48	299.78	-171.78	-170.19	298.19	27.41	2.91	-3.62	2.51	-3.21	1.57
713	1	993	2195.54	-114.18	-264.54	-254.42	-124.31	-37.69	-4.51	-16.94	-9.15	-12.30	-6.01
		180	1069.49	-86.07	-261.49	-244.17	-103.39	-52.33	0.27	-3.72	0.16	-3.61	0.65
		184	1531.68	-86.24	-263.13	-245.98	-103.39	-52.33	10.06	2.20	3.38	8.88	2.80
		1011	1680.30	-114.30	-266.24	-256.23	-124.31	-37.69	2.06	-7.80	-5.94	0.19	-3.86
713	2	993	1819.75	-96.26	-247.87	-193.53	-150.61	72.70	-4.34	-17.39	-8.89	-12.84	-6.22
		180	861.23	-88.37	-200.39	-175.32	-113.44	46.69	0.54	-4.18	0.52	-4.15	0.35
		184	1217.82	-94.02	-225.69	-206.27	-113.44	46.69	9.46	2.45	3.56	8.35	2.56
		1011	1277.90	-106.00	-269.09	-224.48	-150.61	72.70	1.77	-7.96	-5.85	-0.34	-4.01
714	1	992	3592.81	-66.94	-575.50	-558.35	-84.10	-91.80	-6.07	-22.58	-12.74	-15.91	-8.10
		993	2280.99	-72.33	-576.62	-560.49	-88.47	-88.74	-1.92	-6.73	-2.88	-6.47	-1.09
		1011	2491.73	-72.48	-581.22	-565.24	-88.47	-88.74	9.20	0.73	0.96	8.97	1.38
		1010	3387.71	-67.10	-580.09	-563.10	-84.10	-91.80	2.21	-12.28	-9.59	-0.47	-5.63
714	2	992	2991.79	-55.95	-514.02	-510.99	-58.97	37.09	-5.84	-22.28	-12.24	-15.89	-8.01
		993	2153.66	-66.33	-521.43	-516.85	-70.92	45.46	-1.70	-7.20	-2.02	-6.88	-1.28
		1011	2392.80	-66.53	-541.89	-537.50	-70.92	45.46	8.21	0.81	0.95	8.07	1.02
		1010	2950.14	-56.08	-534.54	-531.65	-58.97	37.09	1.96	-12.18	-9.27	-0.94	-5.71
715	1	991	4535.15	-21.47	-804.59	-781.43	-44.63	-132.68	-5.52	-22.45	-13.60	-14.37	-8.46
		992	3618.11	-31.21	-806.76	-785.35	-52.63	-127.08	-3.11	-9.77	-5.67	-7.21	-3.24
		1010	3775.96	-31.48	-816.36	-795.21	-52.63	-127.08	4.59	-3.58	-3.37	4.38	-1.30
		1009	4513.06	-21.76	-814.17	-791.30	-44.63	-132.68	0.74	-14.81	-11.29	-2.78	-6.51
715	2	991	3953.68	16.16	-739.67	-739.46	15.95	12.72	-5.28	-21.93	-13.06	-14.15	-8.31
		992	3243.69	6.27	-744.98	-744.46	5.74	19.86	-2.91	-9.98	-5.48	-7.41	-3.40
		1010	3617.78	6.25	-773.98	-773.47	5.74	19.86	3.92	-3.73	-3.38	3.57	-1.58
		1009	4132.11	16.15	-768.68	-768.48	15.95	12.72	0.51	-14.63	-10.96	-3.16	-6.49
716	1	990	5157.95	25.08	-954.14	-926.67	-2.38	-161.69	-4.44	-20.69	-13.38	-11.75	-8.08
		991	4625.16	9.11	-957.80	-933.13	-15.56	-152.46	-3.02	-13.03	-8.61	-7.44	-4.97
		1009	4769.58	8.56	-979.31	-955.19	-15.56	-152.46	1.16	-8.96	-7.26	-0.54	-3.78
		1008	5245.76	24.48	-975.60	-948.73	-2.38	-161.69	-0.67	-16.22	-12.04	-4.85	-6.89
716	2	990	4643.30	83.97	-889.40	-889.40	83.97	-0.57	-4.24	-20.00	-12.80	-11.44	-7.85
		991	4254.38	71.76	-895.48	-895.42	71.70	8.02	-2.88	-12.98	-8.34	-7.51	-5.03
		1009	4565.00	71.76	-936.07	-936.00	71.70	8.02	0.78	-9.16	-7.21	-1.17	-3.95
		1008	4897.16	83.97	-929.99	-929.99	83.97	-0.57	-0.86	-15.91	-11.67	-5.10	-6.77
717	1	989	5414.55	61.22	-1025.70	-1000.36	35.88	-163.99	-3.27	-18.34	-12.48	-9.13	-7.35
		990	5211.89	54.47	-1027.34	-1003.12	30.25	-160.05	-2.58	-15.23	-10.51	-7.29	-6.11
		1008	5314.29	54.00	-1048.15	-1024.40	30.25	-160.05	-1.05	-13.43	-10.01	-4.47	-5.53
		1007	5506.59	60.73	-1046.48	-1021.64	35.88	-163.99	-1.80	-16.47	-11.97	-6.30	-6.77
717	2	989	5013.73	144.03	-966.61	-966.61	144.03	1.98	-3.03	-17.31	-11.80	-8.54	-6.95
		990	4883.20	133.52	-971.88	-971.80	133.44	9.39	-2.47	-14.96	-10.22	-7.21	-6.06
		1008	5115.01	133.52	-1014.92	-1014.84	133.44	9.39	-1.35	-13.67	-9.96	-5.06	-5.66
		1007	5238.89	144.03	-1009.66	-1009.66	144.03	1.98	-1.93	-16.00	-11.54	-6.39	-6.55
718	1	988	5255.96	79.67	-1015.96	-994.10	57.82	-153.18	-1.80	-14.73	-10.60	-5.92	-6.02
		989	5345.98	75.90	-1016.93	-995.66	54.64	-150.96	-1.99	-16.22	-11.52	-6.69	-6.69
		1007	5392.40	75.60	-1032.26	-1011.29	54.64	-150.96	-2.81	-16.99	-11.85	-7.95	-6.81
		1006	5301.01	79.36	-1031.28	-1009.73	57.82	-153.18	-2.63	-15.48	-10.92	-7.19	-6.15
718	2	988	5031.52	190.18	-967.49	-967.40	190.10	9.77	-1.47	-13.46	-9.87	-5.06	-5.49
		989	5106.93	176.36	-974.63	-974.30	176.03	19.62	-1.84	-15.75	-11.20	-6.39	-6.52
		1007	5240.35	176.35	-1015.57	-1015.25	176.03	19.62	-3.01	-17.15	-11.79	-8.38	-6.86
		1006	5159.14	190.18	-1008.43	-1008.35	190.10	9.77	-2.68	-14.82	-10.46	-7.04	-5.82
719	1	957	1945.86	-60.71	-284.95	-279.43	-66.22	34.73	-4.17	-17.10	-8.99	-12.29	-6.25
		16	1202.83	-22.75	-258.25	-258.17	-22.83	4.36	0.14	-3.76	0.13	-3.75	0.15
		20	1386.98	-22.76	-286.76	-286.69	-22.83	4.36	8.90	2.11	3.08	7.93	2.38
		975	1727.40	-61.33	-312.84	-307.95	-66.22	34.73	1.53	-8.18	-6.04	-0.61	-4.03
719	2	957	2330.08	9.05	-336.01	-228.45	-98.51	159.83	-3.67	-17.04	-8.33	-12.39	-6.37
		16	1256.68	33.81	-228.73	-185.03	-9.89	97.80	0.50	-4.19	0.47	-4.16	-0.39
		20	1554.84	22.79	-302.55	-269.87	-9.89	97.80	7.35	2.19	3.02	6.52	1.90
		975	1889.37	-13.34	-398.45	-313.29	-98.51	159.83	0.82	-8.31	-5.78	-1.71	-4.08
720	1	956	3402.26	-41.00	-581.68	-577.69	-44.99	-46.28	-5.43	-21.04	-11.98	-14.49	-7.71
		957	2367.99	-61.31	-588.85	-586.73	-63.43	-33.37	-2.25	-6.99	-2.87	-6.37	-1.61
		975	2589.64	-61.33	-594.13	-592.03	-63.43	-33.37	6.46	-0.20	-0.17	6.43	0.46
		974	3313.48	-41.03	-586.94	-582.99	-44.99	-46.28	1.31	-12.28	-9.28	-1.70	-5.64
720	2	956	2729.24	-71.26	-504.41	-498.77	-76.90	49.11	-4.57	-18.71	-10.53	-12.75	-6.98
		957	2089.19	-106.78	-537.08	-521.19	-122.66	81.14	-2.27	-7.43	-3.24	-6.45	-2.02
		975	2326.48	-108.23	-578.98	-564.55	-122.66	81.14	3.45	-1.13	-1.05	3.37	-0.61
		974	2784.60	-71.77	-547.26	-542.13	-76.90	49.11	0.55	-11.82	-8.34	-2.93	-5.56
721	1	955	4443.93	-1.01	-817.96	-808.37	-10.61	-88.00	-5.04	-21.25	-13.01	-13.29	-8.10

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		956	3719.63	-8.94	-820.38	-811.77	-17.55	-83.14	-3.07	-10.34	-6.25	-7.17	-3.61
		974	3801.17	-8.82	-809.64	-800.91	-17.55	-83.14	2.88	-4.80	-4.26	2.34	-1.97
		973	4396.39	-0.88	-807.23	-797.51	-10.61	-88.00	7.57e-03	-14.81	-11.02	-3.78	-6.47
721	2	955	3777.21	-8.27	-726.01	-725.48	-8.81	19.63	-4.53	-20.00	-12.00	-12.54	-7.73
		956	3225.55	-21.57	-733.54	-732.32	-22.78	29.41	-2.81	-10.53	-6.11	-7.22	-3.82
		974	3425.85	-21.60	-752.04	-750.86	-22.78	29.41	1.73	-5.36	-4.42	0.79	-2.40
		973	3862.93	-8.29	-744.53	-744.01	-8.81	19.63	-0.47	-14.37	-10.31	-4.53	-6.32
722	1	954	5082.38	26.44	-969.25	-955.03	12.22	-118.15	-3.97	-19.38	-12.73	-10.62	-7.63
		955	4702.87	18.24	-971.62	-958.51	5.12	-113.18	-2.99	-13.50	-9.11	-7.37	-5.18
		973	4683.21	18.47	-954.19	-940.84	5.12	-113.18	0.01	-10.38	-8.01	-2.36	-4.36
		972	5034.42	26.70	-951.84	-937.36	12.22	-118.15	-1.17	-16.07	-11.64	-5.61	-6.81
722	2	954	4401.21	44.03	-864.58	-864.52	43.97	7.27	-3.68	-18.27	-11.79	-10.16	-7.25
		955	4126.06	35.76	-868.83	-868.64	35.57	13.15	-2.84	-13.31	-8.69	-7.45	-5.20
		973	4243.18	35.76	-881.67	-881.48	35.57	13.15	-0.55	-10.65	-7.84	-3.36	-4.53
		972	4493.15	44.03	-877.42	-877.36	43.97	7.27	-1.49	-15.52	-10.94	-6.07	-6.58
723	1	953	5340.02	43.72	-1039.54	-1022.02	26.19	-136.66	-2.54	-16.59	-11.63	-7.50	-6.71
		954	5262.87	34.40	-1042.14	-1025.94	18.20	-131.06	-2.44	-15.57	-11.01	-6.99	-6.25
		972	5192.31	34.70	-1022.82	-1006.32	18.20	-131.06	-1.96	-15.12	-10.79	-6.29	-6.19
		971	5269.65	44.04	-1020.25	-1002.41	26.19	-136.66	-2.07	-16.14	-11.40	-6.80	-6.65
723	2	953	4669.91	87.86	-924.85	-924.77	87.78	9.11	-2.32	-15.26	-10.62	-6.96	-6.21
		954	4644.69	81.02	-928.37	-928.17	80.83	13.97	-2.33	-15.06	-10.44	-6.96	-6.12
		972	4709.84	81.02	-944.60	-944.41	80.83	13.97	-2.35	-15.21	-10.48	-7.08	-6.20
		971	4735.03	87.86	-941.08	-941.00	87.78	9.11	-2.34	-15.41	-10.66	-7.08	-6.29
724	1	952	5200.44	53.46	-1028.78	-1009.37	34.06	-143.61	-0.75	-12.83	-9.66	-3.92	-5.32
		953	5394.52	41.60	-1031.98	-1014.33	23.94	-136.52	-1.59	-16.40	-11.94	-6.05	-6.79
		971	5310.79	41.88	-1015.46	-997.53	23.94	-136.52	-3.47	-18.65	-12.60	-9.53	-7.43
		970	5101.43	53.77	-1012.28	-992.57	34.06	-143.61	-2.72	-14.99	-10.31	-7.40	-5.96
724	2	952	4605.71	128.59	-909.27	-908.77	128.09	22.83	-0.52	-11.28	-8.58	-3.22	-4.66
		953	4774.76	119.59	-914.17	-913.34	118.76	29.36	-1.50	-15.62	-11.27	-5.84	-6.52
		971	4804.32	119.57	-939.25	-938.43	118.76	29.36	-3.82	-18.56	-12.22	-10.16	-7.30
		970	4609.94	128.58	-934.35	-933.86	128.09	22.83	-3.00	-14.06	-9.53	-7.53	-5.44
725	1	951	4664.93	58.10	-937.68	-918.30	38.72	-137.58	1.66	-8.07	-6.71	0.30	-3.37
		952	5112.95	43.26	-941.60	-924.47	26.13	-128.77	-0.45	-16.02	-11.99	-4.49	-6.82
		970	5032.79	43.50	-928.74	-911.37	26.13	-128.77	-4.75	-21.11	-13.53	-12.33	-8.16
		969	4505.50	58.36	-924.85	-905.20	38.72	-137.58	-3.18	-12.61	-8.25	-7.54	-4.70
725	2	951	4273.49	173.89	-821.13	-819.06	171.81	45.41	2.05	-6.44	-5.59	1.21	-2.54
		952	4556.04	158.43	-830.54	-827.23	155.12	57.09	-0.36	-15.01	-11.26	-4.12	-6.39
		970	4530.80	158.31	-865.71	-862.51	155.12	57.09	-5.08	-20.86	-13.13	-12.81	-7.89
		969	4133.56	173.81	-856.34	-854.33	171.81	45.41	-3.44	-11.50	-7.46	-7.48	-4.03
726	1	950	3768.29	55.44	-769.15	-750.72	37.01	-121.88	5.44	-2.78	-2.70	5.36	-0.80
		951	4442.03	36.43	-773.97	-758.56	21.02	-110.69	1.01	-14.58	-11.26	-2.31	-6.39
		969	4389.43	36.66	-762.63	-747.00	21.02	-110.69	-5.88	-22.86	-13.73	-15.01	-8.47
		968	3473.00	55.70	-757.85	-739.16	37.01	-121.88	-3.18	-9.32	-5.17	-7.33	-2.88
726	2	950	3806.76	222.43	-667.32	-661.73	216.84	70.29	6.47	-1.60	-1.60	6.46	0.19
		951	4052.46	198.68	-684.25	-675.11	189.53	89.40	1.11	-13.42	-10.53	-1.77	-5.79
		969	3904.22	198.28	-724.35	-715.60	189.53	89.40	-6.18	-22.43	-13.33	-15.29	-8.07
		968	3530.09	222.18	-707.57	-702.23	216.84	70.29	-3.26	-8.19	-4.39	-7.05	-2.08
727	1	949	2576.73	35.87	-524.35	-507.51	19.03	-95.65	10.85	1.43	1.91	10.37	2.07
		950	3353.89	18.31	-528.32	-514.59	4.58	-85.54	2.59	-12.08	-9.62	0.14	-5.48
		968	3426.84	18.63	-516.32	-502.28	4.58	-85.54	-6.53	-23.36	-12.95	-16.94	-8.17
		967	2358.05	36.24	-512.42	-495.20	19.03	-95.65	-1.34	-6.77	-1.41	-6.70	-0.63
727	2	949	3345.13	260.74	-454.58	-440.52	246.68	99.30	12.64	1.91	2.93	11.61	3.16
		950	3258.98	238.25	-475.44	-454.78	217.58	119.67	2.77	-10.86	-8.94	0.84	-4.75
		968	3627.49	237.16	-514.06	-494.49	217.58	119.67	-6.80	-22.69	-12.56	-16.93	-7.64
		967	3045.38	260.00	-493.55	-480.23	246.68	99.30	-0.67	-6.17	-0.68	-6.16	0.26
728	1	15	1476.42	-6.26	-193.51	-179.85	-19.93	-48.70	12.37	2.97	4.69	10.65	3.63
		949	1611.02	-12.10	-194.25	-182.01	-24.34	-45.61	2.70	-7.64	-5.98	1.05	-3.79
		967	2027.74	-11.67	-188.60	-175.93	-24.34	-45.61	-5.23	-18.19	-9.48	-13.94	-6.09
		19	1163.60	-5.80	-187.89	-173.77	-19.93	-48.70	1.49	-4.65	1.19	-4.34	1.34
728	2	15	2923.63	310.32	-190.72	-141.52	261.12	149.10	15.23	3.21	5.86	12.58	4.99
		949	2089.56	300.20	-209.95	-151.17	241.43	162.88	3.14	-6.51	-5.48	2.11	-2.98
		967	3073.87	294.64	-257.16	-203.95	241.43	162.88	-5.62	-17.81	-9.34	-14.10	-5.61
		19	2154.86	305.59	-238.77	-194.30	261.12	149.10	2.86	-4.48	2.01	-3.63	2.35
729	1	939	1882.35	-43.68	-262.73	-262.35	-44.06	9.13	-3.98	-15.81	-8.62	-11.17	-5.78
		12	1115.84	-53.27	-268.74	-267.48	-54.53	16.46	-0.16	-3.53	-0.20	-3.50	0.35
		16	1257.82	-53.29	-273.18	-271.94	-54.53	16.46	8.48	2.06	2.81	7.73	2.06
		957	1646.48	-43.69	-267.18	-266.81	-44.06	9.13	2.18	-7.74	-5.62	0.06	-4.06
729	2	939	1807.46	-7.36	-233.63	-183.24	-57.76	94.14	-3.62	-15.55	-7.98	-11.19	-5.74
		12	1046.18	-7.61	-234.58	-183.63	-58.55	94.70	0.06	-4.02	0.05	-4.02	0.08
		16	1240.28	-12.53	-253.43	-207.41	-58.55	94.70	7.21	2.29	2.88	6.62	1.59
		957	1386.11	-12.25	-252.53	-207.02	-57.76	94.14	1.96	-7.67	-5.16	-0.55	-4.23
730	1	938	3423.39	-8.77	-580.98	-578.63	-11.12	-36.60	-5.42	-21.55	-12.26	-14.71	-7.97

		939	2393.54	-2.18	-578.58	-575.68	-5.08	-40.82	-1.93	-6.46	-2.43	-5.96	-1.43
		957	2724.55	-2.18	-578.11	-575.20	-5.08	-40.82	8.30	0.40	0.49	8.22	0.82
		956	3384.19	-8.76	-580.51	-578.16	-11.12	-36.60	2.28	-12.16	-9.34	-0.54	-5.73
730	2	938	2767.88	-26.45	-496.89	-488.59	-34.74	61.91	-4.85	-20.56	-11.30	-14.11	-7.73
		939	2106.90	-11.72	-485.10	-479.87	-16.95	49.46	-1.60	-6.68	-2.22	-6.06	-1.66
		957	2331.22	-11.90	-501.79	-496.75	-16.95	49.46	6.91	0.45	0.47	6.89	0.36
		956	2781.18	-26.73	-513.48	-505.47	-34.74	61.91	1.93	-11.70	-8.61	-1.16	-5.70
731	1	937	4441.51	16.09	-811.84	-802.39	6.65	-87.92	-4.68	-20.77	-12.91	-12.55	-8.04
		938	3706.42	9.13	-813.97	-805.39	0.54	-83.64	-2.76	-9.68	-5.94	-6.50	-3.44
		956	3904.41	9.09	-817.99	-809.45	0.54	-83.64	4.02	-4.42	-3.93	3.54	-1.96
		955	4502.08	16.05	-815.85	-806.45	6.65	-87.92	1.08	-14.49	-10.90	-2.52	-6.56
731	2	937	3683.92	-11.94	-694.79	-694.77	-11.97	3.90	-3.98	-19.07	-11.68	-11.38	-7.54
		938	3104.06	-26.76	-702.48	-702.17	-27.07	14.47	-2.43	-9.67	-5.73	-6.36	-3.61
		956	3378.57	-26.77	-733.34	-733.05	-27.07	14.47	2.92	-4.93	-4.04	2.02	-2.49
		955	3848.74	-11.95	-725.67	-725.65	-11.97	3.90	0.83	-13.80	-9.99	-2.99	-6.43
732	1	936	5120.76	37.71	-969.73	-956.23	24.21	-115.82	-3.44	-19.07	-12.70	-9.81	-7.68
		937	4721.25	35.41	-970.40	-957.21	22.22	-114.43	-2.35	-12.74	-8.73	-6.36	-5.06
		955	4798.90	35.43	-968.73	-955.51	22.22	-114.43	1.26	-9.61	-7.60	-0.75	-4.22
		954	5161.66	37.73	-968.06	-954.54	24.21	-115.82	-0.12	-15.65	-11.57	-4.20	-6.84
732	2	936	4342.81	28.11	-840.42	-840.25	27.94	-12.23	-2.80	-17.47	-11.50	-8.77	-7.21
		937	4050.47	23.64	-842.50	-842.40	23.55	-9.15	-1.94	-12.41	-8.30	-6.05	-5.12
		955	4233.59	23.64	-869.43	-869.34	23.55	-9.15	0.71	-9.91	-7.45	-1.75	-4.48
		954	4497.77	28.11	-867.35	-867.18	27.94	-12.23	-0.30	-14.82	-10.65	-4.47	-6.57
733	1	935	5404.96	49.04	-1046.91	-1031.12	33.26	-130.57	-1.92	-16.41	-11.64	-6.69	-6.81
		936	5302.93	46.29	-1047.69	-1032.28	30.88	-128.91	-1.66	-14.84	-10.64	-5.86	-6.14
		954	5286.02	46.42	-1038.91	-1023.37	30.88	-128.91	-0.83	-14.09	-10.36	-4.56	-5.97
		953	5386.49	49.17	-1038.12	-1022.21	33.26	-130.57	-1.10	-15.65	-11.36	-5.39	-6.64
733	2	935	4605.44	62.20	-904.98	-904.92	62.14	-7.33	-1.32	-14.66	-10.35	-5.63	-6.24
		936	4578.58	61.70	-905.22	-905.16	61.65	-6.98	-1.26	-14.26	-10.06	-5.45	-6.08
		954	4674.00	61.70	-929.33	-929.28	61.65	-6.98	-1.24	-14.23	-10.06	-5.41	-6.07
		953	4700.71	62.20	-929.09	-929.04	62.14	-7.33	-1.30	-14.64	-10.36	-5.59	-6.23
734	1	934	5274.43	49.81	-1041.48	-1024.92	33.25	-133.42	-0.10	-12.80	-9.70	-3.19	-5.45
		935	5443.72	45.76	-1042.62	-1026.62	29.77	-130.98	-0.78	-15.77	-11.62	-4.93	-6.70
		953	5361.68	45.98	-1028.61	-1012.40	29.77	-130.98	-2.50	-17.51	-12.18	-7.84	-7.19
		952	5182.26	50.03	-1027.48	-1010.70	33.25	-133.42	-1.90	-14.47	-10.26	-6.11	-5.94
734	2	934	4487.17	90.67	-887.95	-887.75	90.46	14.25	0.55	-10.79	-8.27	-1.96	-4.71
		935	4675.94	91.30	-887.62	-887.43	91.11	13.80	-0.38	-14.96	-10.93	-4.41	-6.52
		953	4706.66	91.30	-915.00	-914.81	91.11	13.80	-2.94	-17.62	-11.83	-8.72	-7.17
		952	4496.22	90.66	-915.33	-915.13	90.46	14.25	-2.17	-13.28	-9.17	-6.28	-5.37
735	1	933	4718.57	41.96	-951.07	-935.45	26.33	-123.57	2.28	-8.17	-6.78	0.90	-3.54
		934	5143.67	36.10	-952.71	-937.91	21.31	-120.05	0.33	-15.53	-11.71	-3.49	-6.77
		952	5037.83	36.32	-938.66	-923.65	21.31	-120.05	-3.96	-19.99	-13.15	-10.80	-7.93
		951	4546.21	42.18	-937.03	-921.18	26.33	-123.57	-2.53	-12.10	-8.22	-6.42	-4.70
735	2	933	4052.76	119.96	-792.64	-789.73	117.05	51.40	3.13	-6.04	-5.23	2.33	-2.59
		934	4368.69	119.58	-792.87	-789.93	116.64	51.69	0.72	-14.50	-10.94	-2.84	-6.45
		952	4354.30	119.46	-831.66	-828.84	116.64	51.69	-4.44	-20.07	-12.79	-11.72	-7.80
		951	3928.26	119.84	-831.43	-828.64	117.05	51.40	-2.87	-10.76	-7.08	-6.55	-3.94
736	1	932	3785.22	35.21	-775.19	-762.28	22.29	-101.48	5.94	-2.91	-2.80	5.82	-0.98
		933	4423.13	22.31	-778.83	-767.72	11.19	-93.71	1.71	-14.19	-11.01	-1.47	-6.36
		951	4348.33	22.43	-770.07	-758.83	11.19	-93.71	-5.24	-21.81	-13.39	-13.66	-8.29
		950	3488.68	35.35	-766.45	-753.39	22.29	-101.48	-2.80	-8.73	-5.18	-6.36	-2.90
736	2	932	3528.09	171.75	-625.47	-612.77	159.06	99.80	7.60	-1.14	-1.13	7.59	0.25
		933	3749.74	162.48	-633.28	-618.39	147.59	107.82	2.12	-12.97	-10.19	-0.66	-5.85
		951	3674.69	161.46	-691.07	-677.21	147.59	107.82	-5.78	-21.93	-13.08	-14.62	-8.04
		950	3277.63	170.88	-683.41	-671.59	159.06	99.80	-2.94	-7.46	-4.03	-6.37	-1.94
737	1	931	2638.95	33.18	-522.33	-512.62	23.47	-72.79	11.16	1.39	1.77	10.77	1.90
		932	3307.94	8.03	-529.49	-523.25	1.78	-57.61	3.17	-11.77	-9.41	0.81	-5.45
		950	3335.62	8.11	-522.60	-516.27	1.78	-57.61	-5.95	-22.38	-12.66	-15.66	-8.07
		949	2302.46	33.30	-515.47	-505.64	23.47	-72.79	-1.35	-5.82	-1.48	-5.70	-0.73
737	2	931	3292.17	254.18	-407.37	-372.55	219.37	147.72	14.07	2.35	3.47	12.95	3.44
		932	2981.90	234.65	-433.65	-387.62	188.62	169.24	3.64	-10.42	-8.62	1.84	-4.69
		950	3661.96	230.21	-500.14	-458.56	188.62	169.24	-6.53	-22.47	-12.46	-16.54	-7.71
		949	2884.18	250.80	-474.92	-443.49	219.37	147.72	-0.33	-5.47	-0.36	-5.43	0.43
738	1	11	1339.33	12.56	-194.94	-188.55	6.17	-35.85	11.89	2.85	4.23	10.51	3.25
		931	1583.42	-12.72	-201.32	-198.96	-15.08	-20.98	3.07	-7.28	-5.71	1.50	-3.72
		949	1832.22	-12.51	-186.58	-184.01	-15.08	-20.98	-4.44	-16.62	-8.98	-12.08	-5.89
		15	1072.87	13.05	-180.49	-173.60	6.17	-35.85	1.22	-3.33	0.95	-3.06	1.07
738	2	11	3043.70	342.81	-173.15	-79.43	249.08	198.93	15.23	3.18	5.70	12.71	4.90
		931	2042.96	333.77	-202.85	-92.16	223.09	217.13	3.63	-5.77	-4.90	2.76	-2.73
		949	3087.87	322.02	-253.47	-154.54	223.09	217.13	-5.03	-16.06	-8.73	-12.36	-5.21
		15	2048.99	332.52	-225.24	-141.80	249.08	198.93	2.95	-3.50	1.87	-2.41	2.41
739	1	921	1686.38	-31.67	-252.35	-251.21	-32.81	15.84	-3.56	-13.26	-7.98	-8.83	-4.84

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		8	1043.80	-56.73	-272.79	-266.17	-63.35	37.22	-0.10	-2.53	-0.45	-2.18	0.86
		12	1336.28	-56.92	-278.68	-272.25	-63.35	37.22	8.68	1.81	2.48	8.01	2.04
		939	1592.75	-31.70	-258.40	-257.28	-32.81	15.84	3.00	-6.70	-5.05	1.35	-3.65
739	2	921	1433.34	6.60	-184.23	-135.43	-42.21	83.26	-3.31	-12.23	-7.16	-8.39	-4.42
		8	954.55	3.29	-201.73	-142.27	-56.17	93.03	0.17	-2.78	-0.13	-2.48	0.89
		12	1235.47	-7.60	-234.35	-185.78	-56.17	93.03	7.54	1.98	2.57	6.95	1.72
		939	1206.93	-2.84	-218.30	-178.94	-42.21	83.26	2.82	-6.23	-4.45	1.04	-3.59
740	1	920	3257.60	15.68	-554.20	-551.48	12.96	-39.27	-4.61	-18.57	-11.50	-11.68	-6.98
		921	2341.01	8.09	-556.99	-554.89	5.99	-34.39	-2.19	-4.55	-2.62	-4.12	-0.91
		939	2838.18	8.01	-578.77	-576.75	5.99	-34.39	9.01	0.14	0.20	8.96	0.69
		938	3428.29	15.58	-575.96	-573.34	12.96	-39.27	3.73	-11.01	-8.68	1.40	-5.38
740	2	920	2602.96	-3.46	-450.68	-447.84	-6.30	35.55	-4.22	-17.41	-10.67	-10.97	-6.59
		921	1847.59	-1.33	-449.24	-446.66	-3.90	33.87	-2.01	-4.41	-2.37	-4.05	-0.86
		939	2400.57	-1.51	-483.55	-481.16	-3.90	33.87	8.33	0.32	0.35	8.31	0.46
		938	2819.51	-3.66	-484.97	-482.33	-6.30	35.55	3.76	-10.33	-7.95	1.38	-5.28
741	1	919	4335.83	36.58	-789.52	-782.90	29.95	-73.70	-3.42	-18.39	-12.29	-9.52	-7.35
		920	3718.75	44.24	-787.03	-779.56	36.77	-78.47	-1.92	-8.16	-5.95	-4.14	-2.98
		938	4030.17	44.08	-805.95	-798.65	36.77	-78.47	5.71	-4.25	-3.88	5.33	-1.88
		937	4522.24	36.43	-808.47	-801.99	29.95	-73.70	2.93	-13.20	-10.22	-0.05	-6.25
741	2	919	3636.34	11.20	-673.72	-673.64	11.12	7.54	-2.96	-17.26	-11.42	-8.80	-7.03
		920	3108.07	20.62	-668.99	-668.98	20.62	0.89	-1.67	-7.69	-5.51	-3.85	-2.89
		938	3442.21	20.62	-691.90	-691.90	20.62	0.89	5.58	-3.92	-3.49	5.15	-1.98
		937	3842.78	11.20	-696.63	-696.55	11.12	7.54	3.17	-12.37	-9.39	0.19	-6.12
742	1	918	5069.33	48.05	-952.71	-942.28	37.61	-101.65	-1.50	-16.75	-11.96	-6.29	-7.08
		919	4766.99	51.57	-951.62	-940.76	40.71	-103.81	-0.78	-11.66	-8.82	-3.62	-4.78
		937	4905.99	51.42	-964.77	-954.05	40.71	-103.81	2.89	-9.42	-7.64	1.10	-4.33
		936	5183.02	47.91	-965.86	-955.57	37.61	-101.65	1.90	-14.25	-10.79	-1.56	-6.63
742	2	918	4312.42	26.55	-817.47	-817.03	26.11	-19.32	-0.84	-15.36	-10.91	-5.29	-6.69
		919	4069.62	25.17	-818.08	-817.68	24.77	-18.38	-0.35	-11.03	-8.26	-3.12	-4.69
		937	4244.60	25.16	-842.08	-841.69	24.77	-18.38	2.92	-9.12	-7.18	0.98	-4.43
		936	4467.54	26.54	-841.47	-841.04	26.11	-19.32	2.24	-13.25	-9.82	-1.19	-6.43
743	1	917	5449.97	55.63	-1043.78	-1031.13	42.99	-117.22	0.47	-14.68	-10.97	-3.24	-6.51
		918	5421.50	56.05	-1043.65	-1030.95	43.36	-117.48	0.43	-14.11	-10.74	-2.93	-6.13
		936	5405.42	56.06	-1042.98	-1030.28	43.36	-117.48	0.82	-13.77	-10.40	-2.55	-6.15
		935	5433.83	55.64	-1043.11	-1030.46	42.99	-117.22	0.85	-14.34	-10.63	-2.86	-6.53
743	2	917	4638.97	47.04	-890.19	-889.62	46.47	-23.10	1.28	-13.10	-9.76	-2.06	-6.07
		918	4654.62	47.28	-890.08	-889.50	46.71	-23.26	1.05	-13.29	-10.02	-2.21	-6.01
		936	4692.70	47.27	-907.39	-906.82	46.71	-23.26	0.96	-13.34	-9.82	-2.57	-6.16
		935	4677.02	47.03	-907.50	-906.94	46.47	-23.10	1.19	-13.16	-9.55	-2.42	-6.22
744	1	916	5416.79	55.24	-1054.82	-1040.80	41.22	-123.97	2.41	-11.78	-9.17	-0.20	-5.50
		917	5636.40	50.92	-1056.10	-1042.64	37.46	-121.34	1.53	-15.40	-11.73	-2.14	-6.98
		935	5485.76	51.13	-1039.42	-1025.75	37.46	-121.34	-1.03	-17.14	-12.22	-5.95	-7.42
		934	5252.09	55.46	-1038.14	-1023.91	41.22	-123.97	-0.26	-13.41	-9.66	-4.01	-5.93
744	2	916	4544.57	63.24	-880.05	-879.97	63.16	-8.54	3.43	-9.87	-7.71	1.27	-4.90
		917	4786.23	64.33	-879.53	-879.44	64.24	-9.30	2.29	-14.41	-10.89	-1.23	-6.81
		935	4702.22	64.33	-890.66	-890.57	64.24	-9.30	-0.96	-16.72	-11.60	-6.08	-7.38
		934	4435.57	63.23	-891.18	-891.10	63.16	-8.54	-0.01	-11.99	-8.42	-3.58	-5.48
745	1	915	4926.11	42.60	-979.39	-964.98	28.19	-120.51	4.43	-7.90	-6.48	3.01	-3.94
		916	5384.18	35.95	-981.31	-967.79	22.43	-116.48	2.52	-15.52	-11.80	-1.20	-7.30
		934	5145.55	36.36	-951.84	-937.91	22.43	-116.48	-2.79	-19.59	-13.16	-9.22	-8.16
		933	4619.29	43.03	-949.94	-935.09	28.19	-120.51	-1.41	-11.43	-7.84	-5.01	-4.81
745	2	915	4034.18	74.58	-782.76	-782.05	73.88	24.53	5.83	-5.60	-4.70	4.93	-3.08
		916	4441.19	77.16	-781.34	-780.74	76.57	22.65	3.41	-14.34	-10.87	-0.06	-7.04
		934	4278.14	77.15	-794.76	-794.17	76.57	22.65	-2.87	-19.34	-12.57	-9.64	-8.10
		933	3760.33	74.57	-796.18	-795.48	73.88	24.53	-1.29	-9.75	-6.41	-4.64	-4.14
746	1	914	3949.89	16.29	-809.64	-797.21	3.85	-100.57	6.81	-3.19	-2.87	6.48	-1.77
		915	4627.16	12.01	-810.86	-799.02	0.17	-97.99	3.39	-14.37	-10.92	-0.06	-7.03
		933	4402.42	12.48	-779.98	-767.67	0.17	-97.99	-4.39	-21.14	-13.21	-12.31	-8.36
		932	3537.16	16.78	-778.79	-765.86	3.85	-100.57	-2.34	-8.59	-5.16	-5.78	-3.11
746	2	914	3228.36	88.23	-603.04	-592.99	78.18	82.75	8.89	-0.84	-0.80	8.86	-0.60
		915	3613.08	96.10	-596.83	-588.36	87.63	76.13	4.42	-12.99	-9.90	1.32	-6.65
		933	3450.72	95.71	-629.80	-621.72	87.63	76.13	-4.65	-21.08	-12.69	-13.03	-8.21
		932	2838.35	87.77	-635.93	-626.35	78.18	82.75	-2.19	-6.91	-3.60	-5.50	-2.16
747	1	913	2596.03	0.58	-537.61	-530.57	-6.46	-61.15	9.91	1.21	1.30	9.82	0.87
		914	3329.16	-11.59	-541.28	-535.78	-17.10	-53.70	3.97	-11.85	-9.02	1.13	-6.07
		932	3298.48	-11.46	-529.10	-523.47	-17.10	-53.70	-5.40	-21.38	-12.22	-14.56	-7.91
		931	2224.40	0.74	-525.46	-518.26	-6.46	-61.15	-1.68	-6.10	-1.91	-5.88	-0.97
747	2	913	2746.41	175.03	-363.09	-305.59	117.53	166.23	13.34	3.00	3.63	12.71	2.47
		914	2444.52	174.34	-364.40	-306.25	116.19	167.18	5.08	-10.23	-7.91	2.76	-5.49
		932	3280.98	166.34	-441.02	-390.87	116.19	167.18	-5.86	-21.59	-11.84	-15.61	-7.63
		931	2474.21	167.12	-439.79	-390.21	117.53	166.23	-0.29	-5.67	-0.31	-5.65	0.33
748	1	7	1182.74	17.75	-187.28	-185.74	16.21	-17.71	9.60	2.63	3.56	8.67	2.37

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		913	1460.58	-18.97	-203.39	-203.12	-19.25	7.11	2.92	-7.29	-5.23	0.85	-4.10
		931	1705.54	-18.97	-202.36	-202.09	-19.25	7.11	-4.14	-15.84	-8.50	-11.48	-5.66
		11	1070.28	17.76	-186.26	-184.71	16.21	-17.71	0.44	-3.82	0.28	-3.66	0.81
748	2	7	2981.23	391.28	-130.10	43.88	217.29	245.85	13.94	3.51	5.79	11.66	4.30
		913	2479.26	384.98	-184.89	23.79	176.30	274.54	3.86	-5.32	-4.01	2.56	-3.20
		931	3245.28	345.34	-269.59	-100.55	176.30	274.54	-4.75	-15.73	-8.18	-12.31	-5.08
		11	2207.06	355.83	-219.00	-80.47	217.29	245.85	2.63	-4.20	1.62	-3.20	2.42
749	1	903	1102.80	-32.93	-151.66	-150.15	-34.44	-13.30	-0.44	-6.08	-5.62	-0.90	-1.55
		4	954.08	-85.67	-188.33	-179.55	-94.45	28.71	3.46	-2.31	-0.93	2.07	2.47
		8	1315.48	-90.00	-279.80	-275.36	-94.45	28.71	8.42	0.84	1.29	7.97	1.79
		921	1579.28	-33.61	-246.79	-245.95	-34.44	-13.30	5.55	-3.95	-3.40	4.99	-2.23
749	2	903	1182.27	15.20	-195.25	-170.21	-9.84	68.13	-1.14	-6.54	-5.97	-1.70	-1.66
		4	1341.77	8.77	-209.89	-177.14	-23.98	78.03	3.84	-2.78	-1.03	2.09	2.92
		8	1415.07	15.56	-177.98	-138.44	-23.98	78.03	10.08	1.08	1.88	9.28	2.56
		921	1152.65	20.66	-162.01	-131.51	-9.84	68.13	5.94	-3.51	-3.06	5.49	-2.01
750	1	902	2853.61	31.09	-457.77	-451.41	24.73	-55.39	-1.44	-12.02	-9.84	-3.61	-4.28
		903	2219.72	26.12	-459.25	-453.53	20.40	-52.36	1.63	-3.02	-2.86	1.47	0.84
		921	3058.34	25.14	-557.42	-552.67	20.40	-52.36	12.16	-0.37	-0.28	12.07	1.06
		920	3514.27	30.02	-555.84	-550.55	24.73	-55.39	8.06	-8.34	-7.26	6.99	-4.06
750	2	902	2471.63	18.79	-401.18	-400.86	18.47	11.54	-1.95	-12.06	-9.76	-4.25	-4.24
		903	1952.04	12.33	-404.82	-404.18	11.69	16.28	1.63	-2.73	-2.30	1.21	1.29
		921	2666.95	12.27	-447.07	-446.49	11.69	16.28	13.38	0.43	0.61	13.20	1.50
		920	2985.53	18.76	-443.46	-443.17	18.47	11.54	8.79	-7.89	-6.85	7.75	-4.03
751	1	901	4059.40	38.48	-692.31	-685.12	31.30	-72.11	0.42	-13.95	-11.51	-2.02	-5.40
		902	3562.91	66.57	-683.88	-673.11	55.80	-89.27	2.32	-5.81	-5.66	2.17	-1.09
		920	4334.33	65.30	-783.49	-774.00	55.80	-89.27	11.85	-3.45	-3.39	11.78	-0.99
		919	4724.79	37.61	-792.32	-786.01	31.30	-72.11	9.13	-10.76	-9.23	7.60	-5.30
751	2	901	3555.39	20.58	-604.66	-604.50	20.42	-9.96	0.48	-13.46	-11.04	-1.94	-5.28
		902	3090.10	41.58	-595.50	-594.59	40.66	-24.13	2.47	-5.12	-5.03	2.38	-0.82
		920	3797.13	41.48	-665.42	-664.59	40.66	-24.13	12.61	-2.66	-2.63	12.58	-0.73
		919	4142.53	20.57	-674.65	-674.51	20.42	-9.96	9.72	-10.11	-8.64	8.26	-5.18
752	1	900	4958.01	40.95	-873.83	-867.84	34.96	-73.76	3.18	-14.21	-11.88	0.85	-5.92
		901	4657.74	70.00	-864.28	-855.15	60.87	-91.89	4.11	-8.90	-8.20	3.41	-2.93
		919	5214.59	69.29	-942.54	-934.12	60.87	-91.89	11.00	-6.92	-6.35	10.43	-3.15
		918	5474.63	40.48	-952.32	-946.81	34.96	-73.76	9.78	-11.93	-10.03	7.88	-6.13
752	2	900	4369.67	26.70	-763.33	-763.11	26.47	-13.40	3.64	-13.28	-11.09	1.44	-5.68
		901	4098.45	47.86	-754.05	-753.09	46.90	-27.70	4.53	-8.16	-7.54	3.90	-2.75
		919	4584.53	47.79	-811.89	-811.00	46.90	-27.70	11.43	-6.18	-5.66	10.90	-2.99
		918	4816.46	26.68	-821.22	-821.01	26.47	-13.40	10.25	-11.02	-9.21	8.45	-5.93
753	1	899	5526.73	44.79	-989.41	-984.18	39.55	-73.40	6.37	-13.24	-11.16	4.28	-6.04
		900	5430.20	61.66	-983.50	-976.68	54.84	-84.11	6.28	-11.43	-10.10	4.94	-4.67
		918	5725.24	61.34	-1033.31	-1026.81	54.84	-84.11	9.90	-10.23	-8.80	8.47	-5.17
		917	5816.58	44.54	-1039.30	-1034.31	39.55	-73.40	9.97	-12.02	-9.86	7.81	-6.54
753	2	899	4848.41	35.57	-853.70	-853.52	35.39	-12.70	7.09	-11.99	-10.10	5.20	-5.70
		900	4778.89	46.06	-848.95	-848.51	45.62	-19.86	6.85	-10.62	-9.38	5.61	-4.50
		918	5016.06	46.04	-888.20	-887.78	45.62	-19.86	10.13	-9.52	-8.11	8.72	-5.07
		917	5083.42	35.56	-892.97	-892.80	35.39	-12.70	10.36	-10.88	-8.83	8.32	-6.27
754	1	898	5724.48	48.91	-1032.39	-1027.43	43.94	-73.10	9.77	-11.00	-9.28	8.04	-5.73
		899	5854.27	51.72	-1031.37	-1026.17	46.51	-74.90	8.58	-13.26	-11.28	6.60	-6.26
		917	5835.28	51.65	-1045.52	-1040.38	46.51	-74.90	8.25	-13.26	-10.68	5.67	-6.98
		916	5702.42	48.84	-1046.54	-1041.64	43.94	-73.10	9.41	-10.98	-8.68	7.11	-6.45
754	2	898	4949.31	46.63	-870.02	-870.01	46.62	-3.04	10.63	-9.51	-7.99	9.12	-5.31
		899	5099.17	49.20	-868.79	-868.76	49.17	-4.83	9.25	-12.31	-10.44	7.37	-6.08
		917	5034.86	49.20	-881.00	-880.97	49.17	-4.83	8.38	-12.48	-9.91	5.81	-6.86
		916	4878.04	46.63	-882.24	-882.23	46.62	-3.04	9.71	-9.62	-7.47	7.56	-6.08
755	1	897	5506.59	48.41	-996.20	-990.64	42.85	-76.04	13.39	-7.26	-6.07	12.20	-4.82
		898	5897.69	36.04	-1000.67	-996.17	31.55	-68.13	10.84	-14.41	-11.80	8.23	-7.69
		916	5514.69	36.17	-972.35	-967.73	31.55	-68.13	5.65	-16.33	-12.14	1.46	-8.63
		915	5069.15	48.57	-967.91	-962.19	42.85	-76.04	7.76	-8.75	-6.41	5.42	-5.76
755	2	897	4624.69	55.13	-801.61	-801.38	54.89	14.32	14.41	-5.47	-4.51	13.45	-4.26
		898	5005.18	50.03	-804.32	-803.94	49.65	17.99	11.59	-13.31	-10.81	9.10	-7.48
		916	4582.90	50.04	-785.82	-785.44	49.65	17.99	5.61	-15.52	-11.29	1.37	-8.46
		915	4123.13	55.14	-783.11	-782.87	54.89	14.32	7.86	-7.13	-4.99	5.72	-5.24
756	1	896	4823.71	35.27	-874.16	-866.91	28.02	-80.87	16.92	-2.20	-1.63	16.35	-3.26
		897	5506.45	11.17	-882.40	-877.54	6.32	-65.67	12.79	-14.80	-11.57	9.55	-8.87
		915	4779.51	11.62	-806.92	-801.61	6.32	-65.67	2.19	-19.63	-13.13	-4.30	-9.98
		914	3877.89	35.93	-798.89	-790.98	28.02	-80.87	4.86	-5.55	-3.19	2.50	-4.36
756	2	896	3872.80	58.51	-638.79	-636.25	55.97	41.98	18.20	-0.07	0.27	17.86	-2.47
		897	4422.34	48.91	-644.98	-641.45	45.38	49.39	13.59	-13.50	-10.42	10.50	-8.60
		915	3666.23	49.15	-600.91	-597.14	45.38	49.39	1.94	-18.98	-12.26	-4.78	-9.77
		914	2801.50	58.68	-594.65	-591.94	55.97	41.98	4.69	-3.68	-1.57	2.58	-3.63
757	1	895	3533.71	-5.60	-645.84	-637.95	-13.49	-70.62	18.81	3.08	3.21	18.68	-1.42

		896	4489.19	-23.77	-651.46	-645.77	-29.45	-59.45	13.64	-13.87	-10.02	9.80	-9.54
		914	3690.52	-22.60	-545.10	-538.25	-29.45	-59.45	-1.18	-22.15	-13.02	-10.31	-10.40
		913	2192.04	-4.01	-539.90	-530.43	-13.49	-70.62	1.82	-3.03	0.21	-1.42	-2.28
757	2	895	2676.90	50.93	-385.57	-358.70	24.06	104.92	19.85	5.15	5.17	19.83	-0.53
		896	3104.36	58.79	-375.34	-352.75	36.20	96.43	14.30	-12.13	-8.49	10.66	-9.11
		914	2614.43	61.03	-338.19	-313.36	36.20	96.43	-1.45	-21.18	-11.90	-10.72	-9.85
		913	1839.00	53.58	-348.83	-319.30	24.06	104.92	2.18	-1.97	1.76	-1.55	-1.26
758	1	3	1583.56	-41.81	-245.95	-244.82	-42.95	-15.18	15.00	5.96	5.97	14.99	-0.26
		895	2372.58	-51.37	-249.56	-249.15	-51.78	-9.00	11.52	-10.06	-5.76	7.22	-8.62
		913	2164.89	-51.25	-202.63	-202.10	-51.78	-9.00	-2.38	-19.37	-9.91	-11.84	-8.44
		7	1096.38	-41.47	-199.24	-197.77	-42.95	-15.18	1.83	-4.08	1.82	-4.07	-0.08
758	2	3	2284.88	308.19	-170.29	102.82	35.08	236.83	15.37	7.60	7.69	15.28	0.83
		895	3042.09	308.58	-137.05	113.88	57.65	221.03	11.66	-7.50	-3.55	7.70	-7.75
		913	2987.43	261.26	-182.29	21.31	57.65	221.03	-2.48	-17.42	-8.32	-11.58	-7.29
		7	1919.84	259.82	-214.49	10.25	35.08	236.83	3.15	-4.24	2.92	-4.01	1.29
759	1	1056	2230.10	129.22	-104.94	61.49	-37.22	106.17	-2.53	-18.24	-7.77	-13.00	-7.41
		168	1518.76	129.22	-104.39	61.68	-36.85	105.91	4.68	-5.45	4.41	-5.18	1.63
		169	1581.90	156.38	-94.90	98.33	-36.85	105.91	15.58	8.94	9.10	15.42	1.00
		42	2479.46	156.37	-95.44	98.15	-37.22	106.17	11.91	-7.40	-3.08	7.60	-8.04
759	2	1056	3314.83	179.71	-320.49	53.98	-194.77	-216.98	-2.30	-18.54	-8.36	-12.48	-7.86
		168	2179.31	214.89	-313.50	67.86	-166.46	-236.80	4.11	-4.86	4.05	-4.80	0.74
		169	2485.53	132.34	-354.12	-55.32	-166.46	-236.80	15.04	7.98	7.99	15.03	0.27
		42	2965.23	93.90	-357.87	-69.19	-194.77	-216.98	11.67	-8.74	-4.42	7.35	-8.34
760	1	1055	2529.16	-18.49	-326.02	-323.64	-20.87	26.97	-1.51	-21.08	-11.52	-11.07	-9.78
		1056	1622.26	-9.12	-319.73	-318.48	-10.36	19.61	2.77	-2.13	2.53	-1.90	-1.05
		42	2553.22	-9.35	-393.16	-392.16	-10.36	19.61	20.22	5.87	5.88	20.20	-0.49
		39	3273.07	-18.95	-399.23	-397.31	-20.87	26.97	14.74	-11.88	-8.17	11.03	-9.22
760	2	1055	3712.42	4.23	-454.24	-352.56	-97.45	-190.47	-1.50	-21.38	-12.06	-10.82	-9.92
		1056	2035.37	72.16	-453.38	-329.94	-51.28	-222.79	2.50	-2.02	2.02	-1.55	-1.39
		42	3149.86	45.96	-561.75	-464.52	-51.28	-222.79	20.14	5.06	5.09	20.12	-0.60
		39	4268.27	-19.82	-564.78	-487.15	-97.45	-190.47	14.40	-12.56	-9.00	10.84	-9.13
761	1	1054	3842.02	20.72	-637.63	-637.05	20.14	19.41	2.23	-18.52	-12.05	-4.25	-9.61
		1055	2953.60	47.54	-623.63	-623.63	47.54	0.24	4.90	-3.38	-1.42	2.93	-3.52
		39	4010.38	47.54	-671.94	-671.94	47.54	0.24	18.55	0.04	0.40	18.20	-2.53
		36	4592.37	20.68	-685.89	-685.36	20.14	19.41	14.08	-13.29	-10.23	11.02	-8.62
761	2	1054	4398.80	16.72	-680.46	-652.08	-11.66	-137.77	2.20	-18.49	-12.36	-3.93	-9.45
		1055	3439.67	73.69	-670.77	-630.16	33.08	-169.08	4.91	-3.87	-2.03	3.06	-3.58
		39	4352.61	70.55	-729.81	-692.33	33.08	-169.08	18.16	-0.68	-0.33	17.80	-2.57
		36	5043.97	14.39	-740.30	-714.25	-11.66	-137.77	13.72	-13.58	-10.66	10.80	-8.44
762	1	1053	4814.41	45.76	-838.48	-838.07	45.35	19.13	6.06	-15.45	-11.40	2.01	-8.41
		1054	4379.59	64.46	-828.76	-828.72	64.42	5.78	8.33	-7.06	-5.09	6.35	-5.15
		36	4834.74	64.46	-834.53	-834.49	64.42	5.78	15.02	-5.47	-4.55	14.10	-4.25
		33	5192.33	45.76	-844.25	-843.83	45.35	19.13	12.20	-13.31	-10.87	9.76	-7.51
762	2	1053	5087.40	53.55	-847.63	-837.64	43.56	-94.36	5.85	-15.59	-11.71	1.96	-8.26
		1054	4646.63	91.30	-836.68	-821.62	76.25	-117.23	8.16	-7.39	-5.52	6.29	-5.06
		36	5017.50	91.36	-833.04	-817.93	76.25	-117.23	14.83	-5.83	-4.97	13.97	-4.12
		33	5382.95	53.60	-843.98	-833.94	43.56	-94.36	11.96	-13.47	-11.15	9.64	-7.32
763	1	1052	5287.29	55.95	-933.76	-933.46	55.65	17.37	8.90	-12.71	-10.23	6.43	-6.88
		1053	5142.53	63.28	-929.94	-929.79	63.13	12.14	10.27	-9.68	-7.68	8.27	-6.00
		33	5159.73	63.28	-902.03	-901.88	63.13	12.14	11.38	-9.53	-8.11	9.96	-5.26
		30	5297.08	55.96	-905.86	-905.54	55.65	17.37	9.95	-12.50	-10.67	8.12	-6.14
763	2	1052	5425.19	77.03	-924.51	-919.78	72.30	-68.63	8.58	-12.87	-10.49	6.20	-6.74
		1053	5294.51	94.80	-918.22	-911.87	88.45	-79.94	9.98	-9.85	-7.95	8.08	-5.84
		33	5237.22	95.10	-872.54	-865.89	88.45	-79.94	11.29	-9.63	-8.32	9.97	-5.08
		30	5359.76	77.25	-878.76	-873.80	72.30	-68.63	9.83	-12.59	-10.86	8.09	-5.98
764	1	1051	5252.85	57.86	-931.53	-931.24	57.57	16.90	10.81	-9.81	-8.47	9.47	-5.07
		1052	5313.58	54.57	-933.27	-932.89	54.20	19.26	11.00	-11.02	-9.11	9.10	-6.19
		30	5030.11	54.59	-883.11	-882.72	54.20	19.26	7.80	-12.08	-10.29	6.02	-5.68
		27	4968.67	57.88	-881.37	-881.06	57.57	16.90	7.60	-10.86	-9.65	6.39	-4.57
764	2	1051	5323.32	85.86	-913.72	-911.11	83.25	-51.07	10.44	-9.98	-8.69	9.14	-4.98
		1052	5407.44	90.38	-911.96	-909.04	87.46	-54.02	10.69	-11.07	-9.25	8.87	-6.02
		30	5051.08	90.61	-840.99	-837.85	87.46	-54.02	7.82	-12.01	-10.35	6.16	-5.48
		27	4966.67	86.06	-842.73	-839.91	83.25	-51.07	7.57	-10.93	-9.79	6.43	-4.44
765	1	1050	4737.30	45.56	-841.91	-841.15	44.80	26.03	12.25	-6.43	-5.94	11.76	-2.99
		1051	4960.95	41.56	-844.14	-843.20	40.62	28.96	11.04	-11.16	-9.48	9.35	-5.88
		27	4463.99	41.64	-781.66	-780.64	40.62	28.96	4.21	-13.33	-11.29	2.16	-5.63
		24	4210.62	45.62	-779.41	-778.59	44.80	26.03	5.15	-8.33	-7.75	4.57	-2.73
765	2	1050	4778.61	79.61	-819.54	-818.53	78.61	-29.99	11.92	-6.57	-6.11	11.45	-2.90
		1051	5030.47	80.19	-819.29	-818.26	79.16	-30.38	10.74	-11.14	-9.53	9.13	-5.72
		27	4469.06	80.29	-737.74	-736.61	79.16	-30.38	4.29	-13.19	-11.28	2.37	-5.46
		24	4187.78	79.71	-737.98	-736.88	78.61	-29.99	5.22	-8.39	-7.86	4.69	-2.64
766	1	1049	3883.49	48.14	-657.25	-654.51	45.41	43.85	14.60	-2.24	-2.23	14.59	-0.24

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		1050	4152.72	32.39	-667.64	-663.11	27.86	56.14	10.85	-10.34	-9.01	9.52	-5.15
		24	3559.00	32.73	-620.19	-615.33	27.86	56.14	0.24	-14.16	-11.59	-2.32	-5.51
		21	3143.15	48.34	-609.67	-606.73	45.41	43.85	2.80	-4.87	-4.82	2.75	-0.60
766	2	1049	3906.39	77.83	-640.05	-640.04	77.82	-1.87	14.11	-2.48	-2.47	14.10	-0.27
		1050	4224.10	69.37	-644.22	-644.20	69.35	4.07	10.56	-10.25	-8.96	9.28	-5.01
		24	3555.28	69.37	-575.40	-575.37	69.35	4.07	0.49	-13.80	-11.45	-1.86	-5.30
		21	3104.20	77.83	-571.22	-571.22	77.82	-1.87	3.00	-5.00	-4.96	2.97	-0.55
767	1	1048	2851.40	35.12	-424.04	-399.26	10.34	103.74	16.55	1.31	1.69	16.17	2.39
		1049	2911.71	48.32	-408.28	-389.73	29.78	90.14	10.50	-8.17	-7.21	9.55	-4.11
		21	2434.35	47.93	-417.86	-399.71	29.78	90.14	-3.08	-13.32	-10.63	-5.77	-4.51
		1066	2142.39	34.59	-433.49	-409.24	10.34	103.74	1.94	-2.82	-1.73	0.85	2.00
767	2	1048	2832.05	55.36	-402.32	-392.60	45.64	65.97	16.03	1.07	1.44	15.66	2.33
		1049	2990.45	75.97	-385.37	-380.25	70.85	48.33	10.20	-8.04	-7.13	9.29	-3.98
		21	2413.10	76.08	-375.31	-370.08	70.85	48.33	-2.74	-12.88	-10.43	-5.18	-4.33
		1066	2032.40	55.58	-392.36	-382.43	45.64	65.97	2.16	-2.83	-1.86	1.19	1.97
768	1	166	2374.07	229.30	-84.24	34.89	110.16	152.18	15.11	1.61	3.29	13.42	4.46
		1048	1790.64	223.25	-168.41	5.23	49.61	194.57	7.49	-3.48	-3.18	7.20	-1.77
		1066	1878.54	146.60	-340.70	-243.71	49.61	194.57	-2.79	-8.52	-7.42	-3.89	-2.26
		165	2215.70	170.40	-274.28	-214.04	110.16	152.18	4.99	-3.61	-0.95	2.33	3.97
768	2	166	2274.76	210.15	-67.68	14.69	127.78	126.88	14.72	1.56	3.20	13.08	4.34
		1048	1468.98	202.90	-122.11	-5.60	86.38	155.86	7.39	-3.45	-3.17	7.10	-1.73
		1066	1721.56	152.51	-281.00	-214.88	86.38	155.86	-2.49	-8.18	-7.23	-3.44	-2.13
		165	2078.10	171.73	-238.54	-194.59	127.78	126.88	5.14	-3.46	-0.86	2.54	3.95
769	1	1038	2363.22	152.29	-141.67	-15.49	26.11	145.50	-4.96	-18.14	-8.25	-14.85	-5.70
		190	1478.53	155.92	-93.91	1.42	60.60	121.36	5.46	-4.88	4.21	-3.63	3.37
		168	2359.05	191.87	-51.59	79.68	60.60	121.36	18.93	5.70	8.87	15.75	5.65
		1056	1773.92	191.10	-102.21	62.78	26.11	145.50	5.78	-4.83	-3.59	4.53	-3.42
769	2	1038	3253.08	207.73	-352.66	98.26	-243.18	-222.18	-4.12	-16.83	-7.67	-13.28	-5.70
		190	2136.21	203.97	-353.80	96.65	-246.47	-219.87	4.45	-4.10	3.76	-3.42	2.32
		168	3035.64	168.82	-362.88	52.41	-246.47	-219.87	15.60	5.31	7.55	13.36	4.25
		1056	2241.16	172.71	-361.87	54.02	-243.18	-222.18	5.09	-5.47	-3.89	3.50	-3.77
770	1	1037	2622.89	28.34	-374.90	-362.16	15.60	70.54	-6.01	-23.02	-11.94	-17.09	-8.11
		1038	1988.88	37.61	-365.90	-356.15	27.86	61.96	1.59	-5.67	1.48	-5.56	0.91
		1056	2320.92	38.76	-324.47	-313.58	27.86	61.96	17.07	4.69	5.71	16.05	3.41
		1055	2348.10	29.84	-333.82	-319.58	15.60	70.54	6.70	-9.89	-7.70	4.51	-5.61
770	2	1037	3763.23	32.06	-477.38	-299.20	-146.12	-242.95	-5.59	-22.32	-11.78	-16.13	-8.08
		1038	2177.38	48.63	-477.37	-293.75	-134.99	-250.74	1.04	-5.33	1.03	-5.32	0.23
		1056	2879.91	31.39	-512.85	-346.47	-134.99	-250.74	15.21	3.98	4.64	14.55	2.64
		1055	3355.69	14.82	-512.86	-351.92	-146.12	-242.95	6.01	-10.44	-8.18	3.74	-5.67
771	1	1036	3577.88	30.98	-635.57	-635.19	30.60	15.90	-4.50	-21.29	-12.68	-13.10	-8.39
		1037	2657.43	34.66	-633.60	-633.33	34.39	13.25	-1.65	-5.97	-2.75	-4.87	-1.88
		1055	3257.47	34.66	-629.84	-629.57	34.39	13.25	10.83	0.14	0.14	10.83	-0.19
		1054	3800.73	30.98	-631.81	-631.43	30.60	15.90	5.53	-12.72	-9.79	2.60	-6.70
771	2	1036	4340.83	31.25	-685.26	-599.04	-54.96	-233.11	-4.35	-20.82	-12.67	-12.49	-8.23
		1037	3194.88	56.86	-683.56	-590.06	-36.63	-245.94	-1.65	-6.37	-3.26	-4.76	-2.24
		1055	3594.43	50.53	-730.57	-643.41	-36.63	-245.94	9.68	-0.80	-10.77	9.65	-0.58
		1054	4479.89	25.23	-732.58	-652.39	-54.96	-233.11	4.81	-13.06	-10.17	1.92	-6.57
772	1	1035	4483.54	53.30	-834.96	-834.95	53.29	-3.31	-2.49	-19.24	-12.66	-9.07	-8.18
		1036	3928.59	63.88	-829.95	-829.82	63.76	-10.63	-0.76	-9.15	-6.15	-3.76	-4.02
		1054	4274.68	63.88	-830.52	-830.39	63.76	-10.63	7.00	-5.15	-4.41	6.26	-2.91
		1053	4705.55	53.30	-835.54	-835.52	53.29	-3.31	4.24	-14.22	-10.93	0.94	-7.07
772	2	1035	4924.24	65.47	-852.14	-805.81	19.14	-200.92	-2.54	-18.84	-12.68	-8.70	-7.90
		1036	4321.18	96.50	-847.27	-794.00	43.24	-217.79	-0.87	-9.61	-6.65	-3.82	-4.14
		1054	4646.46	94.69	-878.62	-827.17	43.24	-217.79	6.08	-6.01	-5.16	5.24	-3.09
		1053	5152.05	63.85	-883.69	-838.98	19.14	-200.92	3.55	-14.38	-11.19	0.36	-6.85
773	1	1034	4953.20	63.92	-942.95	-942.91	63.88	-6.25	-0.44	-16.68	-11.82	-5.30	-7.43
		1035	4695.59	74.61	-937.93	-937.75	74.43	-13.64	0.62	-11.71	-8.48	-2.62	-5.42
		1053	4820.49	74.62	-928.05	-927.87	74.43	-13.64	4.24	-9.68	-7.75	2.31	-4.81
		1052	5049.85	63.92	-933.08	-933.04	63.88	-6.25	2.94	-14.41	-11.09	-0.37	-6.82
773	2	1034	5231.00	94.01	-941.36	-915.20	67.85	-162.48	-0.66	-16.43	-11.89	-5.21	-7.14
		1035	4992.09	121.31	-935.16	-904.18	90.34	-178.22	0.32	-12.02	-8.88	-2.82	-5.38
		1053	5134.78	121.13	-941.26	-910.47	90.34	-178.22	3.53	-10.24	-8.28	1.57	-4.81
		1052	5351.03	93.86	-947.49	-921.49	67.85	-162.48	2.35	-14.46	-11.29	-0.82	-6.58
774	1	1033	4940.20	60.52	-956.30	-956.30	60.52	1.76	1.62	-13.30	-10.07	-1.61	-6.15
		1034	4933.64	68.73	-952.30	-952.28	68.72	-3.98	1.88	-13.07	-9.78	-1.42	-6.19
		1052	4862.23	68.73	-929.03	-929.01	68.72	-3.98	1.78	-13.07	-9.99	-1.30	-6.02
		1051	4868.83	60.52	-933.03	-933.03	60.52	1.76	1.53	-13.31	-10.28	-1.50	-5.98
774	2	1033	5139.97	107.71	-944.46	-929.37	92.62	-125.10	1.32	-13.13	-10.14	-1.67	-5.85
		1034	5177.56	126.71	-939.16	-921.37	108.93	-136.52	1.47	-13.25	-10.08	-1.70	-6.05
		1052	5126.17	127.00	-922.30	-904.23	108.93	-136.52	1.24	-13.41	-10.35	-1.82	-5.95
		1051	5088.62	107.96	-927.56	-912.22	92.62	-125.10	1.09	-13.28	-10.41	-1.78	-5.75
775	1	1032	4469.86	53.69	-875.08	-874.73	53.34	18.17	3.93	-8.87	-7.28	2.34	-4.23

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		1033	4673.27	53.85	-875.00	-874.65	53.50	18.05	2.98	-13.25	-10.16	-0.11	-6.37
		1051	4439.50	53.86	-841.21	-840.85	53.50	18.05	-0.66	-15.58	-11.32	-4.92	-6.74
		1050	4210.08	53.71	-841.30	-840.93	53.34	18.17	0.02	-10.93	-8.43	-2.47	-4.59
775	2	1032	4623.75	104.58	-861.19	-853.42	96.81	-86.25	3.55	-8.87	-7.40	2.09	-4.00
		1033	4891.46	117.54	-857.00	-847.78	108.32	-94.30	2.55	-13.31	-10.34	-0.42	-6.18
		1051	4665.17	117.88	-822.29	-812.74	108.32	-94.30	-0.99	-15.61	-11.49	-5.11	-6.58
		1050	4371.82	104.87	-826.43	-818.38	96.81	-86.25	-0.27	-10.88	-8.55	-2.60	-4.40
776	1	1031	3561.83	19.70	-715.19	-711.45	15.96	52.28	6.20	-4.21	-3.80	5.79	-2.00
		1032	3911.37	30.16	-708.45	-705.79	27.50	44.20	3.90	-12.18	-9.47	1.19	-6.02
		1050	3545.25	30.34	-660.61	-657.77	27.50	44.20	-2.77	-16.63	-11.46	-7.94	-6.70
		1049	3091.26	19.96	-667.43	-663.43	15.96	52.28	-1.61	-7.52	-5.80	-3.33	-2.69
776	2	1031	3677.84	76.79	-693.48	-691.86	75.16	-35.36	6.06	-4.14	-3.84	5.76	-1.72
		1032	4114.90	95.27	-686.30	-683.42	92.38	-47.41	3.51	-12.17	-9.61	0.95	-5.80
		1050	3757.45	95.45	-639.75	-636.68	92.38	-47.41	-2.99	-16.67	-11.60	-8.06	-6.61
		1049	3205.29	76.89	-646.85	-645.12	75.16	-35.36	-1.70	-7.39	-5.84	-3.25	-2.53
777	1	1030	2486.38	43.96	-450.90	-432.61	25.68	93.36	9.54	0.41	0.50	9.45	0.89
		1031	2650.99	29.31	-467.74	-442.97	4.54	108.15	4.31	-9.84	-7.82	2.30	-4.95
		1049	2314.08	31.63	-427.35	-400.27	4.54	108.15	-4.27	-16.94	-10.65	-10.57	-6.33
		1048	1774.53	45.69	-409.92	-389.91	25.68	93.36	-2.14	-3.60	-2.33	-3.41	-0.50
777	2	1030	2543.42	78.60	-433.08	-432.21	77.73	21.12	9.46	0.26	0.38	9.34	1.04
		1031	2849.91	74.24	-435.66	-434.49	73.07	24.38	4.07	-9.79	-7.90	2.18	-4.76
		1049	2453.18	74.36	-386.80	-385.51	73.07	24.38	-4.32	-16.69	-10.67	-10.33	-6.18
		1048	1768.05	78.69	-384.19	-383.22	77.73	21.12	-2.24	-3.33	-2.40	-3.18	-0.38
778	1	174	1524.25	78.97	-238.23	-132.38	-26.87	149.57	7.62	2.04	2.69	6.97	1.80
		1030	1566.32	79.65	-233.06	-130.46	-22.95	146.82	3.17	-5.54	-4.13	1.77	-3.20
		1048	1733.10	140.41	-154.91	8.45	-22.95	146.82	-3.14	-10.39	-6.43	-7.09	-3.61
		166	1308.24	140.32	-160.67	6.52	-26.87	149.57	1.05	-2.54	0.39	-1.89	1.39
778	2	174	1412.20	72.23	-177.18	-134.89	29.93	93.60	8.25	1.97	2.78	7.44	2.10
		1030	1141.81	78.62	-160.67	-127.36	45.30	82.84	3.16	-5.46	-4.21	1.91	-3.03
		1048	1406.39	108.52	-63.25	-0.03	45.30	82.84	-3.20	-10.45	-6.59	-7.07	-3.62
		166	901.42	106.64	-84.27	-7.56	29.93	93.60	1.23	-2.36	0.40	-1.53	1.52
779	1	1020	2221.01	122.00	-120.87	-40.68	41.81	114.22	-5.40	-18.30	-8.60	-15.11	-5.57
		186	1301.12	127.12	-87.91	-28.15	67.37	96.33	5.92	-4.41	4.49	-2.99	3.56
		190	2378.12	135.92	-67.98	0.57	67.37	96.33	20.25	5.14	8.87	16.52	6.52
		1038	1335.83	132.27	-102.41	-11.95	41.81	114.22	5.13	-4.95	-4.22	4.41	-2.61
779	2	1020	3335.38	201.28	-365.29	111.29	-275.30	-207.09	-4.60	-17.70	-8.08	-14.23	-5.78
		186	2188.53	187.54	-370.64	105.01	-288.12	-198.12	5.24	-3.86	4.32	-2.94	2.75
		190	3322.01	174.70	-372.93	89.89	-288.12	-198.12	18.13	5.23	8.27	15.09	5.47
		1038	2181.96	188.61	-367.75	96.17	-275.30	-207.09	4.85	-5.17	-4.12	3.80	-3.06
780	1	1019	2878.52	62.56	-412.00	-398.76	49.32	78.14	-6.88	-23.87	-12.37	-18.39	-7.94
		1020	2247.39	86.51	-390.80	-383.91	79.62	56.94	1.63	-5.95	1.43	-5.75	1.21
		1038	2638.83	87.09	-354.07	-346.60	79.62	56.94	17.55	3.91	5.64	15.83	4.54
		1037	2528.90	63.69	-375.81	-361.45	49.32	78.14	4.83	-9.80	-8.16	3.19	-4.62
780	2	1019	3827.78	28.73	-477.13	-274.23	-174.17	-247.93	-6.26	-23.20	-11.98	-17.48	-8.01
		1020	2127.50	18.89	-477.19	-277.49	-180.81	-243.28	1.39	-5.66	1.34	-5.60	0.60
		1038	3021.45	9.11	-492.45	-302.53	-180.81	-243.28	16.05	3.84	5.08	14.81	3.69
		1037	3118.53	18.98	-492.43	-299.28	-174.17	-247.93	4.79	-10.09	-8.23	2.93	-4.92
781	1	1018	3623.18	60.68	-667.34	-664.94	58.27	41.75	-5.98	-22.49	-13.05	-15.42	-8.17
		1019	2931.10	74.98	-658.71	-657.40	73.67	30.97	-2.47	-6.93	-3.07	-6.33	-1.52
		1037	3282.82	75.04	-627.84	-626.47	73.67	30.97	9.36	-0.06	9.77e-03	9.29	0.82
		1036	3689.02	60.78	-636.53	-634.02	58.27	41.75	2.85	-12.62	-9.97	0.20	-5.83
781	2	1018	4357.60	25.03	-680.50	-570.60	-84.86	-255.85	-5.42	-21.77	-12.76	-14.43	-8.13
		1019	3117.33	34.09	-680.11	-567.49	-78.52	-260.29	-2.17	-6.99	-3.23	-5.93	-2.00
		1037	3252.30	29.55	-705.38	-597.31	-78.52	-260.29	8.50	-0.61	-0.60	8.49	0.24
		1036	4234.57	20.55	-705.83	-600.42	-84.86	-255.85	2.70	-12.84	-10.13	-8.86e-03	-5.90
782	1	1017	4450.03	70.35	-851.13	-850.96	70.17	12.73	-4.54	-20.41	-12.94	-12.01	-7.92
		1018	3930.29	76.72	-847.86	-847.78	76.65	8.20	-2.77	-10.24	-6.68	-6.34	-3.73
		1036	4136.84	76.72	-829.09	-829.01	76.65	8.20	4.01	-5.34	-4.74	3.40	-2.30
		1035	4526.56	70.35	-832.37	-832.19	70.17	12.73	1.19	-14.46	-11.00	-2.27	-6.49
782	2	1017	4900.05	60.74	-848.46	-778.46	-9.26	-242.37	-4.09	-19.64	-12.69	-11.04	-7.74
		1018	4255.58	76.78	-846.62	-772.58	2.73	-250.77	-2.34	-10.46	-6.91	-5.89	-4.03
		1036	4433.37	74.55	-872.92	-801.10	2.73	-250.77	3.50	-6.15	-5.35	2.69	-2.67
		1035	4986.31	58.60	-874.85	-806.98	-9.26	-242.37	0.92	-14.50	-11.12	-2.46	-6.38
783	1	1016	4903.64	76.76	-957.41	-957.41	76.76	1.07	-3.00	-18.02	-12.18	-8.83	-7.32
		1017	4659.74	83.66	-954.05	-954.04	83.64	-3.75	-2.07	-13.03	-9.09	-6.01	-5.26
		1035	4710.75	83.66	-937.33	-937.32	83.64	-3.75	1.08	-10.36	-8.13	-1.15	-4.53
		1034	4925.84	76.76	-940.69	-940.69	76.76	1.07	-0.06	-15.13	-11.22	-3.97	-6.60
783	2	1016	5197.24	93.73	-942.78	-897.19	48.13	-212.56	-2.64	-17.23	-11.94	-7.93	-7.01
		1017	4965.24	113.68	-939.31	-889.48	63.86	-223.57	-1.78	-13.19	-9.36	-5.61	-5.39
		1035	5080.36	112.79	-957.55	-908.61	63.86	-223.57	0.60	-11.12	-8.70	-1.82	-4.74
		1034	5293.71	92.90	-961.09	-916.32	48.13	-212.56	-0.41	-15.01	-11.28	-4.14	-6.36
784	1	1015	4907.79	69.93	-977.21	-977.19	69.92	3.78	-1.27	-14.71	-10.53	-5.45	-6.22

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		1016	4909.94	77.58	-973.44	-973.44	77.57	-1.58	-1.20	-14.54	-10.44	-5.30	-6.15
		1034	4830.96	77.58	-951.32	-951.32	77.57	-1.58	-0.99	-14.31	-10.37	-4.93	-6.08
		1033	4828.57	69.93	-955.08	-955.07	69.92	3.78	-1.06	-14.49	-10.47	-5.08	-6.15
784	2	1015	5119.95	113.79	-954.24	-925.18	84.73	-173.76	-0.99	-13.92	-10.29	-4.62	-5.81
		1016	5197.39	132.52	-950.07	-917.64	100.10	-184.52	-1.04	-14.61	-10.70	-4.95	-6.15
		1034	5207.67	132.38	-954.88	-922.61	100.10	-184.52	-1.50	-14.93	-10.88	-5.55	-6.16
		1033	5130.52	113.66	-959.07	-930.14	84.73	-173.76	-1.45	-14.24	-10.48	-5.21	-5.83
785	1	1014	4447.59	48.21	-908.62	-908.14	47.73	21.47	0.79	-10.28	-7.87	-1.62	-4.57
		1015	4673.35	57.61	-903.63	-903.41	57.38	14.71	-0.15	-14.76	-10.80	-4.11	-6.50
		1033	4478.29	57.62	-872.66	-872.42	57.38	14.71	-2.71	-17.18	-11.61	-8.28	-7.04
		1032	4229.58	48.22	-877.66	-877.16	47.73	21.47	-1.93	-12.55	-8.68	-5.80	-5.11
785	2	1014	4635.07	118.01	-880.95	-863.65	100.71	-130.32	1.15	-9.46	-7.58	-0.72	-4.04
		1015	4967.75	132.58	-877.10	-857.59	113.08	-138.97	-0.08	-14.76	-11.06	-3.78	-6.37
		1033	4860.13	132.79	-866.77	-847.06	113.08	-138.97	-3.21	-17.75	-12.09	-8.87	-7.09
		1032	4495.64	118.20	-870.60	-853.11	100.71	-130.32	-2.25	-12.18	-8.61	-5.81	-4.76
786	1	1013	3613.11	43.50	-744.76	-742.16	40.91	45.15	3.94	-4.47	-3.91	3.38	-2.09
		1014	3994.13	35.67	-749.72	-746.37	32.32	51.16	1.10	-13.82	-10.37	-2.35	-6.29
		1032	3726.29	35.84	-712.45	-708.94	32.32	51.16	-4.22	-19.72	-12.16	-11.79	-7.75
		1031	3189.31	43.63	-707.45	-704.73	40.91	45.15	-2.33	-9.43	-5.70	-6.06	-3.55
786	2	1013	3761.60	104.79	-723.06	-714.77	96.49	-82.47	4.23	-4.18	-3.82	3.87	-1.70
		1014	4288.46	115.50	-719.76	-710.16	105.89	-89.06	1.12	-13.70	-10.51	-2.07	-6.09
		1032	4076.56	115.82	-693.17	-683.24	105.89	-89.06	-4.56	-19.72	-12.40	-11.88	-7.57
		1031	3395.07	105.07	-696.43	-687.85	96.49	-82.47	-2.65	-9.01	-5.72	-5.94	-3.18
787	1	1012	2399.48	-26.74	-533.96	-513.54	-47.16	99.70	6.42	-0.03	-0.03	6.42	-0.06
		1013	2781.11	-0.17	-507.27	-496.02	-11.41	74.68	2.33	-11.47	-8.50	-0.63	-5.67
		1031	2503.98	1.38	-447.16	-434.36	-11.41	74.68	-4.81	-19.19	-10.92	-13.09	-7.11
		1030	2030.44	-23.93	-475.10	-451.88	-47.16	99.70	-1.90	-6.57	-2.45	-6.03	-1.50
787	2	1012	2463.07	39.60	-483.26	-483.10	39.44	-8.92	7.51	0.22	0.27	7.46	0.61
		1013	3054.78	78.18	-467.39	-465.20	75.99	-34.50	2.34	-11.23	-8.63	-0.26	-5.34
		1031	2829.20	78.35	-428.87	-426.51	75.99	-34.50	-5.14	-19.45	-11.26	-13.33	-7.08
		1030	1997.24	39.61	-444.59	-444.42	39.44	-8.92	-2.00	-5.96	-2.35	-5.61	-1.13
788	1	173	1787.35	135.74	-234.47	-84.32	-14.41	181.77	8.88	2.54	3.56	7.85	2.33
		1012	2009.98	133.89	-260.60	-93.52	-33.19	194.92	2.16	-6.95	-4.72	-0.08	-3.92
		1030	2469.09	117.03	-286.11	-135.89	-33.19	194.92	-3.83	-15.84	-7.95	-11.72	-5.70
		174	1424.04	119.70	-260.79	-126.69	-14.41	181.77	0.40	-3.86	0.33	-3.79	0.55
788	2	173	1488.84	91.53	-139.48	-101.59	53.63	85.54	9.69	2.37	3.57	8.48	2.71
		1012	1188.50	92.61	-136.57	-100.27	56.31	83.67	2.25	-6.68	-4.86	0.44	-3.60
		1030	1902.59	88.58	-160.65	-128.38	56.31	83.67	-3.98	-15.29	-8.06	-11.21	-5.43
		174	1030.88	87.35	-163.41	-129.70	53.63	85.54	0.58	-3.36	0.37	-3.16	0.88
789	1	1002	2136.33	88.84	-120.93	-66.95	34.86	91.71	-5.43	-18.75	-8.81	-15.37	-5.79
		182	1043.25	103.19	-71.60	-46.01	77.60	61.79	5.77	-4.17	4.45	-2.85	3.37
		186	2263.49	106.84	-52.99	-23.75	77.60	61.79	20.43	4.98	8.79	16.63	6.65
		1020	1140.22	95.05	-104.87	-44.69	34.86	91.71	4.79	-5.15	-4.47	4.10	-2.51
789	2	1002	3224.56	210.12	-358.66	131.24	-279.79	-196.58	-4.40	-16.58	-7.64	-13.35	-5.38
		182	2241.78	122.89	-406.28	86.90	-370.29	-133.23	5.13	-3.64	4.09	-2.59	2.84
		186	3233.00	117.19	-406.70	80.78	-370.29	-133.23	17.49	4.95	8.00	14.45	5.38
		1020	2228.96	204.86	-359.52	125.13	-279.79	-196.58	4.66	-4.70	-3.74	3.70	-2.84
790	1	1001	2849.61	61.84	-424.88	-418.13	55.09	56.94	-7.00	-23.98	-12.43	-18.54	-7.92
		1002	2322.48	83.71	-408.75	-405.63	80.59	39.08	1.40	-6.12	1.23	-5.95	1.10
		1020	2662.45	83.85	-387.94	-384.68	80.59	39.08	16.93	3.59	5.33	15.19	4.49
		1019	2678.52	62.14	-404.24	-397.18	55.09	56.94	4.22	-9.96	-8.33	2.60	-4.52
790	2	1001	3857.21	28.82	-472.44	-254.07	-189.55	-248.55	-6.29	-23.53	-12.02	-17.80	-8.12
		1002	2057.92	14.90	-472.62	-258.71	-199.01	-241.92	1.38	-5.58	1.33	-5.54	0.54
		1020	3057.86	5.70	-484.91	-280.19	-199.01	-241.92	16.15	3.73	5.12	14.75	3.93
		1019	3027.71	19.69	-484.79	-275.56	-189.55	-248.55	4.29	-10.02	-8.23	2.50	-4.74
791	1	1000	3725.14	77.45	-689.03	-686.90	75.31	40.39	-6.29	-22.95	-13.22	-16.01	-8.21
		1001	3078.31	100.43	-675.63	-674.93	99.73	23.30	-2.65	-7.38	-3.27	-6.76	-1.59
		1019	3428.62	100.45	-653.32	-652.60	99.73	23.30	8.71	-0.32	-0.22	8.62	0.91
		1018	3820.46	77.51	-666.76	-664.56	75.31	40.39	2.04	-12.84	-10.18	-0.63	-5.71
791	2	1000	4377.76	20.83	-672.94	-546.60	-105.51	-267.75	-5.72	-22.30	-12.85	-15.18	-8.21
		1001	3074.20	20.66	-672.95	-546.66	-105.63	-267.67	-2.28	-7.34	-3.20	-6.43	-1.95
		1019	3103.77	16.19	-693.76	-571.94	-105.63	-267.67	8.26	-0.48	-0.46	8.24	0.40
		1018	4160.74	16.36	-693.75	-571.88	-105.51	-267.75	2.27	-12.89	-10.11	-0.50	-5.86
792	1	999	4510.98	88.58	-871.47	-870.75	87.87	26.11	-5.01	-20.86	-13.07	-12.80	-7.92
		1000	4027.21	103.52	-863.45	-863.21	103.27	15.33	-3.22	-10.78	-6.94	-7.06	-3.78
		1018	4217.12	103.52	-843.19	-842.94	103.27	15.33	3.02	-5.61	-4.98	2.40	-2.24
		1017	4569.60	88.60	-851.21	-850.48	87.87	26.11	0.25	-14.70	-11.11	-3.35	-6.39
792	2	999	4892.54	52.17	-839.75	-754.69	-32.88	-261.97	-4.46	-20.14	-12.75	-11.85	-7.82
		1000	4202.30	63.11	-838.74	-750.76	-24.86	-267.58	-2.70	-10.75	-6.90	-6.55	-4.02
		1018	4323.47	60.65	-862.15	-776.63	-24.86	-267.58	3.06	-6.06	-5.24	2.24	-2.60
		1017	4922.41	49.77	-863.21	-780.56	-32.88	-261.97	0.49	-14.64	-11.09	-3.06	-6.41
793	1	998	4933.17	92.72	-972.90	-972.65	92.47	16.40	-3.51	-18.25	-12.20	-9.57	-7.25

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		999	4726.78	101.04	-968.61	-968.50	100.93	10.48	-2.70	-13.68	-9.45	-6.93	-5.34
		1017	4751.42	101.04	-951.78	-951.67	100.93	10.48	-0.10	-11.06	-8.51	-2.65	-4.63
		1016	4933.57	92.73	-956.07	-955.82	92.47	16.40	-1.09	-15.46	-11.26	-5.29	-6.54
793	2	998	5173.26	83.88	-935.26	-875.73	24.35	-239.03	-2.97	-17.49	-11.91	-8.55	-7.06
		999	4931.11	99.40	-933.01	-869.88	36.27	-247.37	-2.17	-13.55	-9.44	-6.28	-5.47
		1017	5037.08	97.99	-955.21	-893.49	36.27	-247.37	0.03	-11.42	-8.76	-2.63	-4.84
		1016	5261.98	82.53	-957.52	-899.34	24.35	-239.03	-0.89	-15.24	-11.23	-4.90	-6.43
794	1	997	4942.96	84.78	-993.63	-993.35	84.50	17.49	-1.84	-14.85	-10.52	-6.17	-6.13
		998	4978.48	92.14	-989.81	-989.67	92.00	12.23	-1.91	-15.28	-10.85	-6.34	-6.29
		1016	4892.03	92.14	-971.88	-971.74	92.00	12.23	-2.17	-15.42	-10.86	-6.73	-6.29
		1015	4856.42	84.79	-975.70	-975.41	84.50	17.49	-2.10	-14.99	-10.52	-6.56	-6.13
794	2	997	5094.57	105.83	-949.54	-909.20	65.48	-202.37	-1.26	-14.01	-10.21	-5.07	-5.83
		998	5196.70	122.81	-946.33	-902.55	79.04	-211.86	-1.39	-15.07	-10.86	-5.61	-6.31
		1016	5246.28	122.09	-963.56	-920.51	79.04	-211.86	-2.11	-15.65	-11.11	-6.65	-6.39
		1015	5144.49	105.15	-966.82	-927.15	65.48	-202.37	-1.99	-14.58	-10.45	-6.11	-5.91
795	1	996	4517.16	60.86	-931.22	-930.23	59.87	31.35	0.05	-10.50	-7.96	-2.49	-4.51
		997	4758.74	69.73	-926.32	-925.70	69.11	24.88	-0.99	-15.52	-11.21	-5.31	-6.64
		1015	4587.65	69.75	-902.71	-902.08	69.11	24.88	-3.69	-18.45	-12.11	-10.03	-7.31
		1014	4317.53	60.88	-907.62	-906.61	59.87	31.35	-2.79	-13.28	-8.86	-7.21	-5.18
795	2	996	4621.77	115.06	-880.51	-855.37	89.92	-156.18	0.82	-9.50	-7.53	-1.14	-4.05
		997	4997.25	130.31	-877.00	-849.20	102.52	-164.99	-0.45	-15.26	-12.52	-4.45	-6.58
		1015	4973.76	130.05	-886.35	-858.82	102.52	-164.99	-3.81	-18.70	-12.42	-10.09	-7.35
		1014	4564.35	114.82	-889.88	-864.99	89.92	-156.18	-2.81	-12.66	-8.69	-6.78	-4.83
796	1	995	3668.89	16.60	-791.12	-785.76	11.23	65.62	2.06	-5.64	-4.67	1.09	-2.55
		996	4048.20	34.35	-779.35	-776.05	31.05	51.75	0.02	-14.36	-10.43	-3.91	-6.40
		1014	3821.18	34.50	-744.72	-741.27	31.05	51.75	-4.71	-19.77	-12.14	-12.34	-7.53
		1013	3339.28	16.84	-756.59	-750.98	11.23	65.62	-3.16	-10.56	-6.38	-7.34	-3.67
796	2	995	3781.82	111.11	-729.42	-716.39	98.09	-103.82	3.68	-4.28	-3.90	3.30	-1.71
		996	4346.29	122.11	-726.40	-711.78	107.49	-110.40	0.65	-14.12	-10.67	-2.81	-6.25
		1014	4252.77	122.14	-724.61	-709.96	107.49	-110.40	-5.07	-20.60	-12.73	-12.94	-7.77
		1013	3536.43	111.14	-727.63	-714.57	98.09	-103.82	-3.14	-9.66	-5.96	-6.84	-3.23
797	1	994	2735.37	60.69	-548.07	-536.47	49.09	83.22	6.51	-0.07	-0.03	6.48	0.51
		995	3020.50	25.57	-582.10	-559.21	2.68	115.71	0.93	-12.02	-9.06	-2.03	-5.44
		1013	2939.65	27.60	-534.45	-509.53	2.68	115.71	-5.18	-21.19	-11.62	-14.75	-7.85
		1012	2379.84	61.71	-499.41	-486.79	49.09	83.22	-1.78	-7.05	-2.60	-6.24	-1.90
797	2	994	2718.87	102.90	-502.40	-497.32	97.82	-55.22	7.86	0.20	0.32	7.74	0.96
		995	3265.99	98.06	-503.99	-499.43	93.50	-52.19	1.68	-11.67	-9.06	-0.92	-5.29
		1013	3116.50	98.29	-475.44	-470.65	93.50	-52.19	-5.45	-20.86	-11.83	-14.48	-7.59
		1012	2274.88	103.15	-473.87	-468.54	97.82	-55.22	-1.98	-6.29	-2.44	-5.82	-1.34
798	1	172	1513.32	-72.79	-384.91	-323.67	-134.03	123.95	5.29	2.02	2.29	5.02	0.90
		994	1546.84	-48.20	-323.83	-295.50	-76.53	83.70	1.37	-8.01	-5.48	-1.16	-4.17
		1012	1572.75	3.23	-164.37	-84.61	-76.53	83.70	-3.33	-14.30	-7.32	-10.31	-5.27
		173	1155.88	1.00	-247.81	-112.79	-134.03	123.95	0.46	-4.15	0.45	-4.14	-0.21
798	2	172	1184.50	-19.81	-241.40	-239.40	-21.80	20.92	7.66	2.10	2.87	6.90	1.91
		994	1601.43	33.31	-214.11	-212.96	32.16	-16.85	1.80	-7.27	-5.31	-0.16	-3.73
		1012	1409.39	34.37	-95.90	-93.69	32.16	-16.85	-3.70	-14.41	-7.71	-10.41	-5.18
		173	676.81	-17.54	-124.40	-120.13	-21.80	20.92	0.52	-3.40	0.46	-3.35	0.47
799	1	984	1968.70	36.33	-106.50	-84.23	14.05	51.82	-5.78	-19.68	-8.95	-16.51	-5.83
		178	1110.95	36.27	-106.64	-84.29	13.93	51.91	5.82	-5.39	4.66	-4.23	3.42
		182	1984.34	40.36	-88.01	-61.58	13.93	51.91	19.70	5.13	8.91	15.92	6.39
		1002	972.09	40.40	-87.87	-61.52	14.05	51.82	4.53	-5.58	-4.69	3.64	-2.86
799	2	984	3058.33	165.96	-289.43	106.57	-230.04	-153.36	-5.13	-19.07	-8.30	-15.90	-5.84
		178	1977.48	231.91	-264.93	136.31	-169.34	-195.85	5.41	-5.01	4.51	-4.11	2.93
		182	3044.67	234.07	-264.42	138.98	-169.34	-195.85	18.15	4.96	8.56	14.55	5.88
		1002	1859.48	168.28	-289.08	109.24	-230.04	-153.36	3.80	-5.29	-4.25	2.76	-2.90
800	1	983	2771.31	49.93	-438.35	-436.43	48.01	30.57	-7.01	-24.00	-12.34	-18.67	-7.88
		984	2395.57	77.99	-422.02	-421.83	77.80	9.71	1.24	-6.49	1.12	-6.37	0.96
		1002	2569.04	78.00	-405.37	-405.17	77.80	9.71	15.89	3.41	5.07	14.24	4.24
		1001	2750.48	50.00	-421.76	-419.77	48.01	30.57	3.69	-10.14	-8.39	1.94	-4.60
800	2	983	3740.25	38.62	-464.39	-230.17	-195.60	-250.91	-6.41	-22.43	-11.45	-17.38	-7.44
		984	1990.75	1.64	-465.18	-242.59	-220.95	-233.16	0.99	-6.54	0.93	-6.47	0.70
		1002	2863.03	-8.45	-476.78	-264.28	-220.95	-233.16	13.75	3.31	4.55	12.52	3.37
		1001	2965.03	28.75	-476.21	-251.86	-195.60	-250.91	3.59	-9.82	-7.83	1.60	-4.77
801	1	982	3798.10	74.44	-699.30	-698.77	73.92	20.13	-6.29	-22.73	-13.12	-15.90	-8.11
		983	3100.75	99.72	-686.14	-686.13	99.71	2.07	-2.83	-7.76	-3.54	-7.05	-1.73
		1001	3464.14	99.72	-674.68	-674.68	99.71	2.07	7.61	-0.68	-0.63	7.56	0.64
		1000	3904.58	74.45	-687.85	-687.32	73.92	20.13	1.52	-13.02	-10.21	-1.29	-5.74
801	2	982	4355.53	22.25	-662.00	-520.16	-119.59	-277.38	-5.89	-22.31	-12.76	-15.44	-8.10
		983	3055.84	19.21	-662.06	-521.18	-121.68	-275.92	-2.48	-7.75	-3.34	-6.89	-1.95
		1001	3015.59	13.65	-684.28	-548.95	-121.68	-275.92	7.41	-0.64	-0.63	7.39	0.33
		1000	4099.34	16.68	-684.20	-547.93	-119.59	-277.38	1.73	-12.93	-10.05	-1.16	-5.82
802	1	981	4565.44	91.67	-880.25	-879.81	91.23	20.71	-5.23	-21.27	-13.25	-13.26	-8.02

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		982	4081.26	114.78	-868.29	-868.27	114.76	4.23	-3.41	-11.18	-7.13	-7.47	-3.88
		1000	4308.42	114.78	-860.34	-860.32	114.76	4.23	2.54	-5.87	-5.19	1.86	-2.30
		999	4660.11	91.67	-872.30	-871.86	91.23	20.71	-0.20	-15.03	-11.31	-3.92	-6.43
802	2	981	4881.82	45.61	-825.57	-726.27	-53.69	-276.85	-4.91	-20.84	-12.97	-12.78	-7.96
		982	4137.34	55.37	-824.85	-722.82	-46.66	-281.77	-3.05	-11.05	-6.89	-7.22	-4.00
		1000	4232.27	51.91	-852.13	-753.56	-46.66	-281.77	2.76	-5.92	-5.14	1.98	-2.48
		999	4880.35	42.21	-852.91	-757.00	-53.69	-276.85	0.09	-14.90	-11.23	-3.59	-6.45
803	1	980	4949.69	98.34	-977.39	-976.75	97.71	26.16	-4.03	-19.15	-12.60	-10.59	-7.49
		981	4727.89	115.55	-968.27	-968.09	115.38	13.79	-3.09	-14.04	-9.53	-7.60	-5.39
		999	4820.90	115.55	-965.24	-965.07	115.38	13.79	-0.31	-11.02	-8.51	-2.82	-4.54
		998	5010.18	98.35	-974.36	-973.73	97.71	26.16	-1.46	-15.93	-11.57	-5.81	-6.64
803	2	980	5135.57	69.66	-917.58	-846.58	-1.34	-255.06	-3.72	-18.63	-12.36	-9.99	-7.36
		981	4822.19	87.45	-915.41	-840.01	12.06	-264.44	-2.73	-13.78	-9.32	-7.19	-5.42
		999	4948.84	85.08	-945.54	-872.52	12.06	-264.44	-6.94e-03	-11.00	-8.48	-2.53	-4.62
		998	5235.68	67.39	-947.82	-879.08	-1.34	-255.06	-1.17	-15.68	-11.52	-5.33	-6.56
804	1	979	4925.91	93.86	-993.05	-991.76	92.57	37.39	-2.54	-15.83	-10.98	-7.40	-6.40
		980	4933.87	106.30	-986.12	-985.39	105.57	28.29	-2.47	-15.61	-10.90	-7.18	-6.31
		998	4942.89	106.30	-987.76	-987.03	105.57	28.29	-2.29	-15.30	-10.79	-6.80	-6.19
		997	4934.73	93.85	-994.69	-993.40	92.57	37.39	-2.37	-15.51	-10.86	-7.02	-6.28
804	2	979	5013.36	85.54	-928.90	-880.38	37.02	-216.48	-2.22	-15.26	-10.76	-6.72	-6.20
		980	5050.96	106.82	-925.38	-872.23	53.66	-228.13	-2.10	-15.23	-10.69	-6.65	-6.24
		998	5171.46	105.18	-956.55	-905.03	53.66	-228.13	-2.00	-15.08	-10.74	-6.34	-6.16
		997	5134.76	84.02	-960.18	-913.18	37.02	-216.48	-2.11	-15.11	-10.82	-6.41	-6.11
805	1	978	4493.40	72.82	-930.41	-926.95	69.36	58.84	-0.56	-11.10	-8.27	-3.39	-4.67
		979	4709.08	86.03	-922.31	-919.94	83.66	48.82	-1.55	-15.84	-11.31	-6.08	-6.65
		997	4648.54	86.02	-925.38	-923.02	83.66	48.82	-3.84	-18.60	-12.13	-10.31	-7.33
		996	4409.97	72.81	-933.48	-930.03	69.36	58.84	-2.96	-13.75	-9.09	-7.61	-5.35
805	2	978	4489.56	92.10	-857.19	-827.90	62.81	-164.16	-0.15	-10.46	-8.02	-2.58	-4.38
		979	4831.92	113.25	-852.76	-819.48	79.98	-176.18	-1.16	-15.37	-11.11	-5.42	-6.51
		997	4924.22	112.20	-883.29	-851.06	79.98	-176.18	-3.63	-18.23	-12.09	-9.77	-7.21
		996	4563.28	91.15	-887.82	-859.47	62.81	-164.16	-2.78	-13.15	-9.00	-6.93	-5.08
806	1	977	3693.74	35.58	-791.94	-780.94	24.57	94.80	2.28	-5.29	-4.51	1.49	-2.30
		978	4041.92	52.56	-779.02	-771.10	44.64	80.75	-0.33	-14.74	-10.79	-4.28	-6.43
		996	3949.20	52.53	-782.25	-774.37	44.64	80.75	-4.93	-20.92	-12.57	-13.29	-7.99
		995	3470.51	35.53	-795.16	-784.20	24.57	94.80	-2.99	-10.81	-6.28	-7.52	-3.86
806	2	977	3607.15	88.90	-703.35	-690.31	75.85	-100.82	3.16	-4.51	-4.04	2.70	-1.83
		978	4188.98	107.90	-698.30	-682.40	92.00	-112.12	0.21	-14.26	-10.66	-3.39	-6.26
		996	4246.18	107.33	-727.73	-712.40	92.00	-112.12	-5.00	-20.70	-12.64	-13.05	-7.85
		995	3527.76	88.42	-732.88	-720.31	75.85	-100.82	-3.04	-9.95	-6.03	-6.97	-3.42
807	1	976	2679.83	-28.00	-627.03	-567.87	-87.15	178.71	4.84	-0.65	-0.65	4.83	-0.20
		977	2844.52	14.53	-563.15	-532.88	-15.74	128.72	1.10	-12.11	-8.77	-2.25	-5.75
		995	2943.03	14.18	-569.54	-539.62	-15.74	128.72	-5.33	-20.18	-11.31	-14.20	-7.29
		994	2660.68	-28.66	-633.12	-574.62	-87.15	178.71	-2.53	-7.77	-3.19	-7.12	-1.73
807	2	976	2532.57	77.05	-467.18	-466.08	75.95	-24.45	8.56	0.60	0.78	8.38	1.19
		977	3098.74	95.53	-460.06	-457.66	93.13	-36.48	1.92	-11.90	-9.18	-0.80	-5.50
		995	3181.51	95.38	-497.75	-495.50	93.13	-36.48	-5.85	-22.00	-12.22	-15.63	-7.90
		994	2396.64	76.98	-504.95	-503.92	75.95	-24.45	-1.94	-6.77	-2.26	-6.44	-1.21
808	1	171	2455.82	206.33	-297.34	-190.25	99.24	206.08	10.47	2.35	3.72	9.10	3.04
		976	2693.49	177.37	-442.86	-247.63	-17.85	288.05	1.31	-8.18	-5.99	-0.88	-4.00
		994	3489.00	156.13	-494.74	-320.76	-17.85	288.05	-4.59	-19.17	-9.49	-14.28	-6.89
		172	2155.41	192.42	-356.55	-263.38	99.24	206.08	0.23	-4.30	0.22	-4.29	0.15
808	2	171	1640.22	100.59	-148.88	-138.64	90.36	49.48	11.04	2.45	3.82	9.66	3.15
		976	1358.65	96.97	-153.08	-141.22	85.10	53.16	2.27	-7.45	-5.59	0.41	-3.82
		994	2097.39	94.17	-226.63	-217.56	85.10	53.16	-4.57	-17.41	-9.14	-12.84	-6.15
		172	1396.44	98.18	-222.81	-214.99	90.36	49.48	0.44	-3.76	0.27	-3.59	0.82
809	1	948	1984.02	3.58	-108.73	-97.16	-7.99	34.15	-5.47	-21.23	-9.75	-16.94	-7.01
		14	1148.05	27.54	-81.11	-80.19	26.63	9.91	6.43	-3.63	5.38	-2.58	3.07
		18	2180.49	27.34	-111.98	-111.27	26.63	9.91	23.32	6.11	9.90	19.52	7.14
		966	1333.35	1.03	-137.26	-128.24	-7.99	34.15	5.94	-6.00	-5.22	5.16	-2.95
809	2	948	3089.71	230.61	-264.27	-195.71	-229.38	-126.70	-4.69	-19.30	-8.30	-15.69	-6.30
		14	2233.53	198.87	-288.65	177.26	-267.04	-100.33	5.91	-3.92	5.09	-3.09	2.73
		18	3010.23	164.36	-290.38	141.02	-267.04	-100.33	19.69	5.56	9.15	16.10	6.16
		966	2032.53	197.11	-267.02	159.47	-229.38	-126.70	4.45	-5.18	-4.23	3.50	-2.87
810	1	947	2969.64	17.60	-461.06	-461.05	17.59	2.12	-6.48	-24.03	-12.45	-18.06	-8.31
		948	2326.13	42.76	-449.42	-448.95	42.29	-15.17	1.09	-5.44	1.05	-5.40	0.54
		966	2603.07	42.76	-450.78	-450.31	42.29	-15.17	16.43	3.50	4.99	14.93	4.13
		965	2925.02	17.60	-462.43	-462.42	17.59	2.12	4.05	-10.28	-8.51	2.27	-4.72
810	2	947	3410.17	23.59	-369.03	-197.26	-148.18	-194.77	-6.16	-23.15	-11.58	-17.73	-7.92
		948	1615.98	-2.47	-369.39	-205.95	-165.91	-182.36	1.21	-6.00	1.20	-5.99	0.35
		966	2531.77	-14.26	-385.20	-233.55	-165.91	-182.36	14.38	3.40	4.76	13.03	3.61
		965	2595.71	11.99	-385.03	-224.86	-148.18	-194.77	3.22	-9.95	-8.02	1.29	-4.66
811	1	946	3994.58	50.09	-735.04	-734.85	49.90	-12.37	-5.65	-22.13	-12.94	-14.83	-8.19

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO			S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234										
		947	3171.81	71.41	-725.65	-724.75	70.51	-26.80	-2.68	-7.64	-3.94	-6.39	-2.16
		965	3546.70	71.43	-714.00	-713.08	70.51	-26.80	7.03	-1.19	-1.19	7.03	0.15
		964	4044.96	50.10	-723.38	-723.18	49.90	-12.37	1.53	-13.13	-10.19	-1.42	-5.87
811	2	946	3993.58	10.60	-601.17	-502.31	-88.25	-225.18	-5.60	-21.64	-12.32	-14.91	-7.91
		947	4023.32	13.62	-601.05	-501.28	-86.15	-226.65	-2.50	-7.95	-3.59	-6.86	-2.18
		965	2747.44	12.76	-605.53	-506.62	-86.15	-226.65	6.03	-1.08	-1.08	6.03	0.02
		964	3715.86	9.75	-605.66	-507.66	-88.25	-225.18	0.99	-12.83	-9.82	-2.03	-5.71
812	1	945	4768.96	75.08	-922.26	-922.13	74.95	-11.24	-4.43	-20.13	-12.84	-11.72	-7.83
		946	4346.03	96.20	-912.69	-912.04	95.55	-25.66	-2.98	-11.54	-7.68	-6.84	-4.26
		964	4435.52	96.22	-891.55	-890.88	95.55	-25.66	1.90	-7.12	-5.99	0.77	-2.98
		963	4772.56	75.08	-901.10	-900.98	74.95	-11.24	-0.19	-15.07	-11.15	-4.11	-6.55
812	2	945	4623.00	36.65	-795.19	-710.43	-48.10	-251.63	-4.40	-19.16	-12.15	-11.41	-7.37
		946	4023.37	34.62	-795.36	-711.16	-49.58	-250.59	-3.08	-11.45	-7.39	-7.13	-4.18
		964	4006.99	34.64	-795.18	-710.95	-49.58	-250.59	1.13	-7.35	-5.98	-0.24	-3.12
		963	4554.76	36.67	-795.00	-710.23	-48.10	-251.63	-0.60	-14.66	-10.73	-4.53	-6.30
813	1	944	5148.93	86.02	-1019.09	-1019.08	86.02	-2.29	-2.97	-17.62	-12.02	-8.58	-7.12
		945	5011.78	103.64	-1010.73	-1010.54	103.45	-14.49	-2.50	-14.40	-10.13	-6.77	-5.71
		963	4954.39	103.64	-985.30	-985.11	103.45	-14.49	-0.78	-12.64	-9.40	-4.02	-5.29
		962	5080.83	86.02	-993.66	-993.65	86.02	-2.29	-1.33	-15.79	-11.29	-5.83	-6.70
813	2	944	4996.72	57.55	-909.85	-834.74	-17.55	-258.87	-2.97	-16.59	-11.40	-8.17	-6.62
		945	4815.40	60.64	-909.49	-833.61	-15.24	-260.49	-2.61	-14.09	-9.84	-6.86	-5.55
		963	4805.76	60.97	-905.57	-829.35	-15.24	-260.49	-1.25	-12.83	-9.37	-4.71	-5.30
		962	4982.59	57.88	-905.92	-830.49	-17.55	-258.87	-1.65	-15.30	-10.92	-6.02	-6.37
814	1	943	5091.96	82.22	-1026.49	-1026.29	82.02	14.94	-1.21	-14.16	-10.29	-5.08	-5.93
		944	5186.45	97.13	-1018.91	-1018.89	97.12	4.37	-1.66	-15.82	-11.41	-6.07	-6.55
		962	5044.17	97.13	-993.86	-993.84	97.12	4.37	-2.58	-16.84	-11.62	-7.81	-6.87
		961	4946.25	82.23	-1001.44	-1001.24	82.02	14.94	-2.15	-15.17	-10.49	-6.82	-6.25
814	2	943	4962.28	64.83	-937.19	-872.39	0.03	-246.44	-1.21	-13.18	-9.77	-4.63	-5.41
		944	5124.14	74.45	-935.89	-868.80	7.36	-251.57	-1.77	-15.39	-11.14	-6.02	-6.31
		962	5108.61	74.96	-928.86	-861.26	7.36	-251.57	-2.89	-16.84	-11.56	-8.17	-6.76
		961	4941.36	65.32	-930.15	-864.86	0.03	-246.44	-2.37	-14.59	-10.18	-6.78	-5.87
815	1	942	4606.93	72.05	-943.31	-941.76	70.50	39.62	1.14	-9.40	-7.46	-0.80	-4.08
		943	4891.99	80.41	-938.54	-937.44	79.31	33.45	-0.51	-15.85	-11.69	-4.67	-6.81
		961	4709.90	80.43	-920.49	-919.37	79.31	33.45	-4.07	-19.93	-12.88	-11.12	-7.88
		960	4371.07	72.07	-925.26	-923.69	70.50	39.62	-2.75	-13.15	-8.64	-7.25	-5.15
815	2	942	4474.26	61.74	-872.34	-819.93	9.34	-214.95	1.16	-8.64	-7.07	-0.41	-3.60
		943	4939.95	74.10	-870.49	-815.26	18.87	-221.63	-0.63	-15.34	-11.43	-4.54	-6.50
		961	4929.77	74.55	-863.23	-807.55	18.87	-221.63	-4.23	-19.64	-12.76	-11.12	-7.66
		960	4412.73	62.18	-865.07	-812.22	9.34	-214.95	-2.88	-12.50	-8.39	-6.99	-4.76
816	1	941	3785.81	59.23	-776.80	-771.39	53.81	67.06	4.71	-3.77	-3.48	4.42	-1.53
		942	4180.84	58.00	-777.64	-772.07	52.42	68.03	0.97	-14.61	-11.09	-2.54	-6.51
		960	3982.61	58.08	-766.25	-760.60	52.42	68.03	-5.34	-22.15	-13.30	-14.19	-8.39
		959	3373.60	59.30	-765.41	-759.92	53.81	67.06	-2.95	-9.96	-5.69	-7.23	-3.42
816	2	941	3568.04	48.50	-718.46	-680.63	10.68	-166.07	4.63	-3.51	-3.33	4.45	-1.20
		942	4287.26	62.28	-716.22	-675.37	21.43	-173.59	0.83	-14.04	-10.77	-2.44	-6.16
		960	4300.54	62.68	-709.01	-667.75	21.43	-173.59	-5.32	-21.35	-13.02	-13.66	-8.01
		959	3402.66	48.88	-711.22	-673.02	10.68	-166.07	-3.06	-9.28	-5.58	-6.76	-3.05
817	1	940	2703.36	18.42	-542.26	-522.97	-0.86	102.19	9.34	0.86	1.04	9.17	1.20
		941	2994.82	23.17	-537.36	-519.80	5.61	97.65	2.56	-12.07	-9.37	-0.14	-5.68
		959	2912.88	23.58	-524.96	-506.99	5.61	97.65	-6.05	-22.49	-12.46	-16.08	-8.02
		958	2410.78	18.87	-529.90	-510.16	-0.86	102.19	-1.79	-7.03	-2.05	-6.77	-1.14
817	2	940	2364.71	34.76	-472.69	-451.59	13.66	-101.31	9.50	0.77	1.05	9.21	1.54
		941	3140.24	43.15	-471.17	-448.33	20.30	-105.96	2.32	-11.47	-9.05	-0.10	-5.25
		959	3250.00	43.30	-467.84	-444.84	20.30	-105.96	-5.84	-21.51	-12.15	-15.20	-7.68
		958	2055.18	34.90	-469.35	-448.10	13.66	-101.31	-1.86	-6.09	-2.05	-5.89	-0.89
818	1	13	1543.75	32.08	-214.38	-153.91	-28.39	106.06	10.75	2.64	3.89	9.50	2.93
		940	1636.61	21.67	-274.91	-177.24	-76.01	139.39	2.31	-7.61	-5.76	0.45	-3.87
		958	2154.55	28.18	-262.49	-158.30	-76.01	139.39	-4.52	-17.37	-8.95	-12.94	-6.10
		17	988.51	37.01	-200.37	-134.97	-28.39	106.06	0.80	-3.99	0.70	-3.89	0.69
818	2	13	1122.44	16.24	-138.29	-135.86	13.81	-19.23	10.71	2.37	3.74	9.34	3.09
		940	1346.60	23.17	-136.47	-132.98	19.68	-23.34	2.40	-6.85	-5.26	0.81	-3.49
		958	1633.86	23.09	-139.99	-136.57	19.68	-23.34	-4.31	-15.72	-8.49	-11.54	-5.50
		17	890.29	16.18	-141.83	-139.45	13.81	-19.23	0.81	-3.31	0.51	-3.01	1.08
819	1	930	1583.44	-13.77	-90.08	-87.58	-16.27	13.58	-5.09	-17.93	-8.49	-14.53	-5.66
		10	1038.13	9.83	-75.15	-74.91	9.59	-4.52	5.01	-4.21	3.93	-3.13	2.97
		14	1614.87	9.81	-84.08	-83.86	9.59	-4.52	18.24	4.80	8.01	15.03	5.72
		948	1057.00	-14.03	-98.77	-96.53	-16.27	13.58	4.57	-5.36	-4.41	3.63	-2.91
819	2	930	2638.03	244.46	-214.87	230.54	-200.95	-78.73	-4.30	-16.42	-7.12	-13.59	-5.12
		10	2204.96	210.80	-254.25	206.52	-249.97	-44.42	4.86	-4.31	4.00	-3.44	2.68
		14	2464.37	181.78	-254.54	177.21	-249.97	-44.42	15.64	4.48	7.67	12.45	5.05
		948	1873.36	216.09	-215.82	201.23	-200.95	-78.73	3.41	-4.55	-3.44	2.30	-2.75
820	1	929	2987.86	10.45	-458.64	-457.32	9.14	-24.82	-6.49	-22.94	-12.18	-17.25	-7.83

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		930	2296.02	36.01	-449.40	-445.88	32.49	-41.17	0.71	-5.78	0.64	-5.71	0.68
		948	2485.54	35.98	-453.86	-450.37	32.49	-41.17	15.24	3.30	4.50	14.03	3.60
		947	2962.70	10.44	-463.12	-461.82	9.14	-24.82	4.38	-10.21	-8.31	2.49	-4.90
820	2	929	3089.92	26.28	-311.46	-159.42	-125.76	-168.03	-6.03	-21.96	-11.13	-16.87	-7.43
		930	1406.94	-17.12	-312.24	-173.95	-155.41	-147.27	0.95	-6.15	0.92	-6.11	0.48
		948	2221.37	-31.65	-330.66	-206.89	-155.41	-147.27	13.30	3.26	4.41	12.14	3.20
		947	2372.27	12.23	-330.36	-192.37	-125.76	-168.03	3.40	-9.64	-7.63	1.39	-4.71
821	1	928	4089.13	39.92	-741.61	-739.60	37.92	-39.53	-5.60	-21.97	-13.07	-14.50	-8.15
		929	3201.19	65.75	-731.90	-727.92	61.77	-56.23	-2.70	-7.27	-3.81	-6.16	-1.96
		947	3635.17	65.77	-729.20	-725.20	61.77	-56.23	8.09	-0.98	-0.97	8.09	0.12
		946	4196.27	39.93	-738.90	-736.89	37.92	-39.53	2.62	-13.10	-10.23	-0.25	-6.07
821	2	928	3839.65	28.61	-561.82	-465.85	-67.36	-217.84	-5.50	-21.12	-12.21	-14.41	-7.73
		929	2626.14	15.78	-562.34	-470.24	-76.32	-211.57	-2.44	-7.56	-3.38	-6.63	-1.98
		947	2715.46	10.93	-589.39	-502.14	-76.32	-211.57	6.69	-0.89	-0.89	6.69	-0.04
		946	3703.15	23.65	-588.77	-497.75	-67.36	-217.84	1.82	-12.63	-9.72	-1.09	-5.80
822	1	927	4893.95	62.84	-935.34	-933.84	61.34	-38.72	-4.16	-20.18	-13.06	-11.28	-7.96
		928	4407.18	86.70	-925.78	-922.85	83.77	-54.42	-2.60	-10.90	-7.37	-6.13	-4.10
		946	4585.83	86.73	-916.08	-913.11	83.77	-54.42	3.47	-6.45	-5.56	2.58	-2.84
		945	4972.18	62.86	-925.62	-924.10	61.34	-38.72	1.07	-14.90	-11.25	-2.57	-6.70
822	2	927	4535.85	48.42	-765.84	-689.09	-28.34	-237.92	-4.29	-19.25	-12.30	-11.24	-7.46
		928	3888.37	55.92	-765.14	-686.39	-22.83	-241.78	-2.76	-10.67	-6.90	-6.53	-3.95
		946	3994.43	54.02	-783.50	-706.66	-22.83	-241.78	2.52	-6.38	-5.39	1.53	-2.80
		945	4564.66	46.55	-784.24	-709.35	-28.34	-237.92	0.39	-14.36	-10.78	-3.18	-6.32
823	1	926	5299.15	75.32	-1039.29	-1038.67	74.70	-26.28	-2.51	-17.79	-12.25	-8.05	-7.34
		927	5116.00	96.06	-1030.34	-1028.90	94.63	-40.23	-1.81	-13.74	-9.79	-5.76	-5.61
		945	5123.28	96.09	-1012.60	-1011.14	94.63	-40.23	0.68	-11.59	-8.94	-1.98	-5.06
		944	5288.11	75.33	-1021.53	-1020.90	74.70	-26.28	-0.17	-15.49	-11.40	-4.26	-6.78
823	2	926	4944.49	62.47	-890.91	-823.32	-5.12	-244.68	-2.70	-16.61	-11.51	-7.81	-6.70
		927	4715.99	71.70	-889.76	-819.91	1.85	-249.56	-2.13	-13.29	-9.38	-6.04	-5.33
		945	4778.46	70.92	-899.77	-830.70	1.85	-249.56	-0.08	-11.61	-8.80	-2.88	-4.95
		944	4996.03	61.71	-900.94	-834.11	-5.12	-244.68	-0.73	-14.86	-10.94	-4.65	-6.33
824	1	925	5257.47	75.02	-1051.30	-1051.26	74.98	-6.37	-0.61	-14.34	-10.48	-4.48	-6.17
		926	5326.26	90.76	-1043.92	-1043.66	90.50	-17.23	-0.85	-15.29	-11.16	-4.99	-6.52
		944	5202.74	90.76	-1019.87	-1019.61	90.50	-17.23	-1.42	-15.75	-11.23	-5.94	-6.66
		943	5132.97	75.02	-1027.25	-1027.21	74.98	-6.37	-1.18	-14.80	-10.56	-5.43	-6.31
824	2	925	4959.59	66.21	-930.16	-870.99	7.04	-235.48	-0.81	-13.19	-9.85	-4.15	-5.49
		926	5076.56	77.22	-928.58	-866.85	15.49	-241.40	-1.19	-14.70	-10.78	-5.11	-6.13
		944	5085.29	77.17	-929.29	-867.61	15.49	-241.40	-1.96	-15.63	-11.09	-6.50	-6.44
		943	4966.14	66.16	-930.88	-871.75	7.04	-235.48	-1.61	-14.10	-10.17	-5.54	-5.80
825	1	924	4750.83	56.54	-971.67	-971.14	56.01	23.34	1.63	-9.82	-7.71	-0.48	-4.45
		925	5032.96	71.64	-963.71	-963.55	71.49	12.50	0.28	-15.49	-11.48	-3.73	-6.87
		943	4818.57	71.64	-937.30	-937.15	71.49	12.50	-3.15	-18.76	-12.50	-9.41	-7.65
		942	4499.64	56.55	-945.28	-944.73	56.01	23.34	-2.06	-12.82	-8.72	-6.17	-5.23
825	2	924	4514.91	51.61	-879.19	-830.17	2.60	-207.89	1.52	-8.84	-7.22	-0.10	-3.77
		925	4947.53	69.39	-876.42	-823.42	16.39	-217.54	-0.03	-14.84	-11.16	-3.71	-6.40
		943	4911.36	69.88	-868.26	-814.77	16.39	-217.54	-3.50	-18.43	-12.35	-9.59	-7.34
		942	4439.22	52.07	-871.00	-821.53	2.60	-207.89	-2.33	-12.05	-8.41	-5.98	-4.71
826	1	923	3836.45	42.12	-794.69	-789.85	37.28	63.42	4.82	-4.20	-3.75	4.36	-1.96
		924	4242.31	48.37	-790.53	-786.43	44.27	58.53	1.62	-14.38	-10.85	-1.90	-6.63
		942	4023.12	48.45	-775.67	-771.49	44.27	58.53	-4.68	-21.02	-12.92	-12.78	-8.17
		941	3447.65	42.21	-779.84	-774.92	37.28	63.42	-2.65	-9.68	-5.82	-6.51	-3.50
826	2	923	3600.39	31.34	-728.45	-692.66	-4.44	-160.96	4.89	-3.70	-3.47	4.66	-1.39
		924	4297.45	48.10	-725.66	-686.24	8.68	-170.14	1.34	-13.72	-10.58	-1.80	-6.12
		942	4279.94	48.61	-716.38	-676.46	8.68	-170.14	-4.81	-20.37	-12.71	-12.47	-7.78
		941	3424.72	31.81	-719.14	-682.89	-4.44	-160.96	-2.75	-8.85	-5.60	-6.00	-3.05
827	1	922	2811.61	54.63	-536.53	-519.56	37.66	98.70	9.57	0.81	0.93	9.45	1.02
		923	3060.32	40.29	-551.32	-529.14	18.11	112.38	2.93	-12.00	-9.28	0.22	-5.76
		941	3021.07	40.52	-545.52	-523.11	18.11	112.38	-5.56	-22.06	-12.33	-15.29	-8.12
		940	2477.54	54.80	-530.68	-513.54	37.66	98.70	-1.71	-6.47	-2.12	-6.06	-1.34
827	2	922	2347.49	2.23	-487.70	-468.63	-16.84	-94.75	9.18	0.61	0.79	9.01	1.22
		923	3146.91	20.49	-484.36	-461.53	-2.34	-104.90	2.68	-11.29	-8.88	0.27	-5.28
		941	3214.08	21.04	-472.98	-449.59	-2.34	-104.90	-5.44	-20.51	-11.83	-14.12	-7.45
		940	1988.36	2.70	-476.24	-456.70	-16.84	-94.75	-1.91	-5.64	-2.16	-5.39	-0.95
828	1	9	1690.83	59.55	-263.80	-191.22	-13.03	134.91	9.48	2.54	3.37	8.65	2.25
		922	1672.26	56.69	-275.59	-196.03	-22.86	141.79	2.70	-7.48	-5.47	0.69	-4.06
		940	2157.24	64.99	-251.72	-163.87	-22.86	141.79	-3.99	-15.91	-8.45	-11.46	-5.77
		13	1199.49	67.36	-239.44	-159.05	-13.03	134.91	0.46	-3.57	0.39	-3.49	0.54
828	2	9	1072.47	-15.31	-145.76	-144.90	-16.18	-10.60	10.22	2.39	3.57	9.04	2.80
		922	1288.68	-8.83	-143.68	-142.08	-10.43	-14.62	2.60	-6.77	-5.12	0.95	-3.57
		940	1580.93	-8.76	-138.29	-136.61	-10.43	-14.62	-4.03	-15.07	-8.23	-10.86	-5.36
		13	762.58	-15.27	-140.33	-139.43	-16.18	-10.60	0.74	-3.07	0.45	-2.78	1.00
829	1	912	1387.83	-26.61	-69.80	-69.03	-27.38	5.71	-4.73	-15.13	-7.97	-11.89	-4.81

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO				S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234									
		6	921.63	-5.22	-60.32	-58.88	-6.66	-8.79	5.59	-3.11	3.83	-1.35	3.50
		10	1715.08	-5.59	-78.88	-77.81	-6.66	-8.79	18.94	4.80	7.80	15.93	5.79
		930	1072.87	-26.84	-88.50	-87.96	-27.38	5.71	6.02	-4.63	-3.99	5.38	-2.53
829	2	912	2195.50	289.41	-160.17	288.60	-159.37	-19.01	-3.95	-13.51	-6.31	-11.15	-4.12
		6	2270.74	260.44	-220.14	259.35	-219.06	22.77	5.21	-3.51	3.88	-2.18	3.14
		10	2225.12	209.46	-220.27	208.25	-219.06	22.77	15.34	4.28	7.33	12.29	4.94
		930	1910.10	238.41	-160.27	237.50	-159.37	-19.01	4.10	-3.63	-2.86	3.32	-2.32
830	1	911	2907.25	7.10	-451.37	-449.09	4.82	-32.24	-5.92	-20.55	-11.81	-14.66	-7.18
		912	2145.06	31.66	-443.14	-438.30	26.83	-47.65	0.95	-3.92	0.64	-3.61	1.20
		930	2602.25	31.58	-451.55	-446.81	26.83	-47.65	17.01	3.37	4.53	15.84	3.81
		929	3023.92	7.05	-459.83	-457.59	4.82	-32.24	6.26	-9.38	-7.91	4.80	-4.56
830	2	911	2416.81	24.87	-206.67	-98.41	-83.38	-115.53	-5.38	-18.67	-10.23	-13.83	-6.40
		912	937.27	-26.75	-208.04	-115.84	-118.95	-90.63	0.95	-4.46	0.77	-4.28	0.96
		930	1863.03	-50.56	-239.06	-170.67	-118.95	-90.63	13.51	3.07	4.10	12.48	3.11
		929	1957.54	2.38	-239.01	-153.24	-83.38	-115.53	4.51	-8.48	-6.90	2.93	-4.25
831	1	910	4100.71	32.58	-740.61	-737.45	29.42	-49.33	-4.56	-19.90	-12.72	-11.73	-7.65
		911	3278.40	60.26	-730.84	-725.14	54.56	-66.92	-2.23	-5.36	-3.82	-3.77	-1.56
		929	3771.52	60.24	-734.22	-728.55	54.56	-66.92	10.24	-0.91	-0.90	10.24	0.29
		928	4287.57	32.57	-744.01	-740.86	29.42	-49.33	4.61	-12.14	-9.81	2.28	-5.80
831	2	910	3330.41	32.10	-476.15	-405.88	-38.17	-175.44	-4.43	-18.13	-11.37	-11.19	-6.85
		911	2255.30	17.83	-476.96	-410.84	-48.30	-168.36	-2.31	-5.53	-3.45	-4.39	-1.54
		929	2575.48	10.99	-526.38	-467.09	-48.30	-168.36	7.71	-1.04	-1.03	7.71	-0.06
		928	3407.47	25.01	-525.32	-462.13	-38.17	-175.44	3.28	-11.32	-8.95	0.91	-5.38
832	1	909	4979.82	50.60	-943.89	-941.38	48.09	-49.91	-2.66	-18.57	-12.75	-8.48	-7.66
		910	4539.26	77.51	-933.67	-929.16	73.01	-67.36	-1.18	-9.81	-7.40	-3.59	-3.87
		928	4739.99	77.54	-928.21	-923.68	73.01	-67.36	5.57	-6.17	-5.49	4.89	-2.75
		927	5087.94	50.61	-938.42	-935.89	48.09	-49.91	3.07	-13.90	-10.83	-3.49e-03	-6.54
832	2	909	4196.96	51.69	-699.35	-638.97	-8.69	-204.22	-2.75	-16.80	-11.56	-8.00	-6.80
		910	3654.41	58.82	-698.56	-636.36	-3.38	-207.94	-1.59	-9.39	-6.93	-4.05	-3.62
		928	3905.65	55.12	-742.58	-684.09	-3.38	-207.94	3.89	-6.30	-5.44	3.04	-2.83
		927	4378.30	48.06	-743.45	-686.70	-8.69	-204.22	2.06	-13.04	-10.07	-0.92	-6.00
833	1	908	5458.05	62.28	-1059.35	-1057.93	60.85	-39.99	-0.72	-16.70	-12.01	-5.42	-7.28
		909	5307.90	83.44	-1050.70	-1048.12	80.86	-54.00	-0.05	-13.05	-9.86	-3.24	-5.59
		927	5301.79	83.48	-1033.16	-1030.54	80.86	-54.00	2.57	-11.12	-8.87	0.32	-5.07
		926	5435.66	62.30	-1041.79	-1040.34	60.85	-39.99	1.73	-14.60	-11.02	-1.86	-6.76
833	2	908	4750.57	61.83	-844.85	-792.71	9.69	-211.08	-0.89	-15.01	-10.97	-4.92	-6.38
		909	4592.98	76.74	-842.67	-787.09	21.16	-219.12	-0.48	-12.39	-9.37	-3.50	-5.19
		927	4720.58	75.00	-870.60	-816.76	21.16	-219.12	1.42	-11.13	-8.73	-0.97	-4.93
		926	4869.09	60.17	-872.87	-822.38	9.69	-211.08	0.93	-13.67	-10.34	-2.40	-6.12
834	1	907	5486.67	66.23	-1083.51	-1083.04	65.76	-23.21	1.25	-13.89	-10.35	-2.29	-6.40
		908	5580.36	79.48	-1077.66	-1076.76	78.58	-32.19	1.03	-14.95	-11.25	-2.67	-6.75
		926	5400.82	79.50	-1046.51	-1045.59	78.58	-32.19	0.21	-15.18	-11.17	-3.79	-6.75
		925	5306.51	66.24	-1052.35	-1051.87	65.76	-23.21	0.43	-14.12	-10.28	-3.41	-6.41
834	2	907	4896.45	64.57	-905.35	-859.59	18.81	-205.64	1.09	-12.33	-9.48	-1.76	-5.49
		908	5047.26	76.68	-903.31	-854.94	28.31	-212.29	0.64	-14.18	-10.78	-2.76	-6.23
		926	5049.11	76.19	-912.99	-865.12	28.31	-212.29	-0.62	-15.03	-11.01	-4.64	-6.46
		925	4895.87	64.09	-915.05	-869.77	18.81	-205.64	-0.20	-13.15	-9.71	-3.64	-5.72
835	1	906	5039.95	59.37	-1012.27	-1012.27	59.37	-2.48	3.39	-9.83	-7.66	1.22	-4.90
		907	5348.33	63.93	-1010.08	-1010.05	63.90	-5.65	2.08	-15.54	-11.64	-1.82	-7.31
		925	5027.68	63.93	-966.52	-966.49	63.90	-5.65	-1.87	-18.37	-12.52	-7.73	-7.90
		924	4683.64	59.37	-968.72	-968.71	59.37	-2.48	-0.80	-12.42	-8.53	-4.69	-5.48
835	2	906	4586.10	58.07	-875.75	-835.83	18.16	-188.89	3.22	-8.61	-7.02	1.63	-4.03
		907	5012.57	66.36	-874.26	-832.62	24.71	-193.48	1.69	-14.70	-11.20	-1.80	-6.71
		925	4911.09	66.75	-865.80	-823.76	24.71	-193.48	-2.46	-17.93	-12.31	-8.08	-7.44
		924	4443.46	58.46	-867.27	-826.97	18.16	-188.89	-1.32	-11.46	-8.14	-4.64	-4.76
836	1	905	4072.56	19.48	-847.39	-846.24	18.33	31.61	5.55	-4.99	-4.10	4.66	-2.93
		906	4560.42	31.93	-840.44	-839.86	31.35	22.50	3.06	-14.72	-10.93	-0.73	-7.29
		924	4165.21	31.97	-787.48	-786.86	31.35	22.50	-3.60	-20.26	-12.72	-11.13	-8.29
		923	3550.44	19.56	-794.47	-793.24	18.33	31.61	-1.88	-9.75	-5.89	-5.74	-3.93
836	2	905	3749.95	19.62	-752.28	-720.83	-11.83	-152.61	5.42	-4.23	-3.74	4.93	-2.13
		906	4445.83	41.98	-748.25	-712.15	5.88	-165.01	2.64	-13.85	-10.53	-0.68	-6.61
		924	4293.53	43.23	-723.07	-685.72	5.88	-165.01	-3.96	-19.49	-12.49	-10.97	-7.73
		923	3470.79	20.73	-726.97	-694.40	-11.83	-152.61	-2.28	-8.78	-5.69	-5.36	-3.24
837	1	904	2695.40	4.50	-568.28	-554.08	-9.69	89.04	8.08	0.26	0.28	8.07	-0.33
		905	3121.32	9.28	-563.88	-551.07	-3.53	84.73	3.77	-12.35	-9.00	0.41	-6.55
		923	2917.42	9.84	-540.36	-526.98	-3.53	84.73	-4.80	-20.95	-11.82	-13.93	-8.01
		922	2393.26	5.12	-544.82	-530.00	-9.69	89.04	-1.83	-6.99	-2.55	-6.27	-1.79
837	2	904	2406.93	-14.70	-509.54	-491.78	-32.46	-92.07	8.16	0.27	0.28	8.15	0.33
		905	3224.60	2.49	-506.25	-485.04	-18.72	-101.69	3.25	-11.51	-8.71	0.45	-5.79
		923	3213.84	3.42	-485.77	-463.63	-18.72	-101.69	-4.86	-19.72	-11.51	-13.06	-7.39
		922	2067.88	-13.89	-488.94	-470.37	-32.46	-92.07	-2.04	-5.84	-2.52	-5.36	-1.26
838	1	5	1605.35	111.63	-227.10	-140.94	25.47	147.52	7.87	2.56	3.03	7.40	1.51

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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		904	1984.76	103.14	-273.85	-159.10	-11.60	173.47	2.87	-7.81	-5.03	0.09	-4.68
		922	2441.11	91.67	-302.99	-199.72	-11.60	173.47	-3.74	-16.14	-8.30	-11.57	-5.98
		9	1445.48	102.17	-258.26	-181.56	25.47	147.52	-0.23	-4.28	-0.24	-4.27	0.21
838	2	5	1010.73	-60.34	-180.47	-179.91	-60.90	-8.19	7.57	2.17	2.78	6.97	1.71
		904	1363.05	-38.61	-174.14	-170.68	-42.07	-21.38	2.51	-7.10	-4.87	0.28	-4.06
		922	1592.21	-37.74	-147.78	-143.46	-42.07	-21.38	-3.61	-14.17	-7.74	-10.04	-5.15
		9	663.61	-60.17	-153.41	-152.68	-60.90	-8.19	0.02	-3.46	-0.09	-3.35	0.61
839	1	894	1609.94	-19.18	-66.32	-24.08	-61.41	-14.39	-6.68	-16.52	-9.14	-14.05	-4.26
		2	1081.92	-26.38	-71.35	-28.11	-69.63	-8.64	7.31	-5.15	4.59	-2.43	5.15
		6	2224.96	-61.99	-79.42	-71.79	-69.63	-8.64	22.82	5.02	9.01	18.83	7.42
		912	1110.33	-49.85	-79.33	-67.76	-61.41	-14.39	7.53	-5.05	-4.72	7.21	-1.99
839	2	894	2049.60	402.07	-117.42	401.58	-116.94	15.90	-4.11	-8.92	-5.34	-7.69	-2.10
		2	2811.11	359.49	-253.76	342.74	-237.01	99.96	6.92	-3.34	3.95	-0.37	4.66
		6	2366.25	265.90	-256.88	246.03	-237.01	99.96	16.28	3.93	7.20	13.01	5.45
		912	2141.94	305.46	-117.54	304.87	-116.94	15.90	5.90	-2.30	-2.08	5.69	-1.31
840	1	893	2791.65	3.24	-409.36	-404.20	-1.92	-45.85	-7.45	-19.97	-12.60	-14.83	-6.16
		894	2153.43	21.85	-404.14	-396.37	14.07	-57.04	3.04	-4.93	1.50	-3.38	3.15
		912	2791.62	21.11	-447.99	-440.95	14.07	-57.04	21.36	3.95	5.74	19.56	5.30
		911	3211.78	2.74	-453.44	-448.79	-1.92	-45.85	9.05	-9.28	-8.35	8.12	-4.01
840	2	893	1577.40	82.82	-82.02	33.01	-32.21	-75.69	-5.03	-13.97	-9.47	-9.53	-4.47
		894	804.99	38.20	-92.27	14.96	-69.04	-49.91	2.87	-3.01	1.11	-1.25	2.69
		912	1802.36	-35.59	-143.53	-110.08	-69.04	-49.91	16.46	3.10	4.36	15.19	3.91
		911	1693.02	19.27	-143.51	-92.04	-32.21	-75.69	7.67	-6.98	-6.22	6.91	-3.25
841	1	892	3960.18	21.03	-701.99	-698.06	17.10	-53.16	-4.60	-17.67	-13.02	-9.24	-6.25
		893	3092.84	60.92	-688.84	-680.61	52.70	-78.08	-1.55	-3.36	-3.23	-1.68	0.46
		911	3982.42	60.47	-731.20	-723.43	52.70	-78.08	15.00	-0.11	0.03	14.86	1.45
		910	4511.00	20.81	-744.58	-740.87	17.10	-53.16	8.79	-11.26	-9.76	7.29	-5.27
841	2	892	2536.56	41.29	-320.10	-269.89	-8.93	-125.00	-2.77	-13.89	-10.76	-5.91	-5.00
		893	1574.95	50.72	-319.60	-266.62	-2.26	-129.66	-0.14	-3.01	-2.96	-0.20	0.39
		911	2583.14	36.10	-440.56	-402.21	-2.26	-129.66	12.60	-0.45	-0.39	12.54	0.87
		910	3208.55	27.19	-441.58	-405.47	-8.93	-125.00	8.09	-9.45	-8.19	6.83	-4.52
842	1	891	4972.43	31.14	-919.70	-917.62	29.07	-44.41	-0.66	-16.20	-12.89	-3.96	-6.36
		892	4505.85	70.59	-904.78	-899.74	65.55	-69.95	0.86	-7.55	-7.05	0.36	-1.99
		910	5015.70	70.45	-932.82	-927.92	65.55	-69.95	11.32	-4.81	-4.60	11.11	-1.81
		909	5381.12	31.08	-947.82	-945.80	29.07	-44.41	8.78	-12.44	-10.45	6.78	-6.19
842	2	891	3607.03	39.69	-556.90	-520.93	3.71	-142.02	0.53	-13.68	-11.23	-1.92	-5.36
		892	3107.79	70.05	-552.77	-509.58	26.86	-158.22	1.79	-6.76	-6.39	1.41	-1.75
		910	3869.72	63.01	-665.59	-629.43	26.86	-158.22	10.38	-4.65	-4.43	10.16	-1.82
		909	4272.37	33.62	-670.68	-640.78	3.71	-142.02	8.49	-10.94	-9.28	6.83	-5.43
843	1	890	5648.23	40.38	-1058.25	-1057.55	39.68	-27.79	3.19	-14.93	-12.18	0.44	-6.50
		891	5461.43	70.31	-1045.59	-1043.54	68.26	-47.80	3.59	-10.94	-9.66	2.31	-4.12
		909	5660.96	70.30	-1050.09	-1048.05	68.26	-47.80	9.37	-9.02	-7.91	8.26	-4.38
		908	5825.21	40.38	-1062.75	-1062.05	39.68	-27.79	8.77	-12.81	-10.43	6.38	-6.76
843	2	890	4423.30	40.46	-732.64	-706.39	14.21	-140.03	3.88	-13.06	-10.94	1.75	-5.61
		891	4232.72	71.91	-726.49	-694.02	39.44	-157.70	4.14	-9.90	-8.86	3.10	-3.68
		909	4728.17	68.66	-811.57	-782.35	39.44	-157.70	9.06	-8.45	-7.46	8.07	-4.05
		908	4897.67	37.76	-818.27	-794.71	14.21	-140.03	8.68	-11.50	-9.53	6.72	-5.98
844	1	889	5891.04	49.54	-1108.96	-1108.89	49.46	-9.37	6.87	-12.78	-10.46	4.56	-6.33
		890	5950.94	64.89	-1101.84	-1101.50	64.55	-19.93	6.20	-13.31	-11.25	4.14	-5.99
		908	5835.63	64.89	-1078.38	-1078.03	64.55	-19.93	7.48	-12.64	-10.25	5.10	-6.51
		907	5775.48	49.54	-1085.50	-1085.42	49.46	-9.37	8.18	-12.12	-9.46	5.51	-6.85
844	2	889	4851.48	42.93	-831.44	-812.14	23.63	-128.46	7.24	-11.34	-9.53	5.43	-5.51
		890	4933.41	65.15	-826.11	-803.08	42.12	-141.40	6.50	-12.18	-10.45	4.77	-5.42
		908	5112.46	63.96	-873.46	-851.62	42.12	-141.40	7.44	-11.78	-9.70	5.37	-5.97
		907	5030.29	41.91	-878.96	-860.68	23.63	-128.46	8.19	-10.94	-8.78	6.03	-6.05
845	1	888	5656.19	56.01	-1065.61	-1065.57	55.98	6.50	10.50	-9.21	-7.45	8.75	-5.61
		889	5966.45	54.71	-1066.26	-1066.21	54.66	7.42	8.64	-14.79	-11.97	5.81	-7.63
		907	5509.04	54.71	-1012.29	-1012.24	54.66	7.42	4.86	-16.07	-11.94	0.73	-8.34
		906	5169.83	56.02	-1011.64	-1011.60	55.98	6.50	6.52	-10.29	-7.42	3.66	-6.32
845	2	888	4828.23	45.29	-842.90	-827.89	30.28	-114.48	10.69	-8.10	-6.76	9.36	-4.83
		889	5193.94	52.53	-840.96	-824.87	36.44	-118.80	8.77	-13.68	-11.24	6.33	-6.99
		907	5019.41	52.42	-847.26	-831.28	36.44	-118.80	4.88	-15.03	-11.40	1.26	-7.68
		906	4621.66	45.18	-849.21	-834.31	30.28	-114.48	6.55	-9.19	-6.92	4.28	-5.52
846	1	887	4930.80	59.58	-921.71	-921.53	59.41	13.14	13.73	-4.34	-3.28	12.67	-4.25
		888	5469.40	36.79	-933.96	-933.06	35.88	29.60	10.56	-15.35	-11.78	6.99	-8.93
		906	4693.96	36.88	-847.06	-846.07	35.88	29.60	1.60	-19.57	-12.98	-4.98	-9.80
		905	4001.90	59.60	-834.74	-834.55	59.41	13.14	3.85	-7.63	-4.47	0.70	-5.12
846	2	887	4325.22	46.08	-759.17	-745.89	32.81	-102.54	13.93	-3.48	-2.75	13.20	-3.48
		888	4972.19	34.67	-762.35	-750.69	23.01	-95.68	10.60	-14.32	-11.19	7.47	-8.26
		906	4476.78	35.21	-727.38	-715.18	23.01	-95.68	1.52	-18.45	-12.55	-4.38	-9.11
		905	3664.72	46.70	-724.27	-710.38	32.81	-102.54	3.73	-6.50	-4.12	1.35	-4.32
847	1	886	3453.61	-15.37	-693.81	-692.29	-16.90	32.14	13.34	-0.51	0.39	12.44	-3.41

ALLEGATO 2 RISULTATI ANALISI PRO_SAP SCHEMA SISMICO		S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234											
		887	4249.34	-12.26	-691.97	-690.66	-13.57	29.81	10.89	-14.29	-9.80	6.40	-9.64
		905	3312.11	-11.93	-554.44	-552.79	-13.57	29.81	-0.87	-20.25	-12.00	-9.12	-9.58
		904	2304.65	-14.98	-556.34	-554.42	-16.90	32.14	0.98	-5.86	-1.80	-3.08	-3.36
847	2	886	3083.05	-25.17	-581.28	-572.32	-34.12	-69.99	14.06	0.60	1.05	13.62	-2.40
		887	4074.76	-3.01	-575.46	-563.13	-15.35	-83.13	11.02	-13.39	-9.46	7.08	-8.98
		905	3442.63	-1.03	-498.03	-483.71	-15.35	-83.13	-1.29	-19.68	-11.95	-9.02	-9.08
		904	2148.19	-23.68	-503.35	-492.91	-34.12	-69.99	0.59	-4.52	-1.45	-2.48	-2.50
848	1	1	1634.79	-27.87	-324.70	-303.15	-49.42	77.02	8.12	1.17	2.74	6.56	-2.90
		886	2200.21	-39.37	-343.58	-313.14	-69.81	91.30	8.37	-10.94	-5.24	2.67	-8.80
		904	1943.48	-13.91	-218.91	-163.00	-69.81	91.30	-1.51	-16.23	-8.05	-9.68	-7.31
		5	1141.54	-8.40	-194.04	-153.01	-49.42	77.02	0.26	-6.13	-0.07	-5.80	-1.41
848	2	1	1189.04	-74.19	-228.56	-228.56	-74.19	0.44	8.64	2.64	3.18	8.10	-1.71
		886	1989.66	-61.76	-223.06	-222.66	-62.16	-7.98	8.41	-9.85	-4.97	3.52	-8.09
		904	1811.01	-61.59	-174.92	-174.35	-62.16	-7.98	-2.01	-15.79	-8.31	-9.48	-6.87
		5	810.34	-74.19	-180.25	-180.25	-74.19	0.44	-0.12	-4.95	-0.17	-4.90	-0.49
849	1	2	3.031e+04	-63.03	-133.94	-119.00	-77.97	-28.91	333.81	51.39	228.68	156.51	136.52
		3	2.110e+04	-81.39	-134.39	-125.19	-90.59	-20.07	233.89	43.34	181.59	95.64	85.04
		7	1.306e+04	-79.64	-127.39	-116.43	-90.59	-20.07	135.36	6.53	105.51	36.39	54.36
		6	2.218e+04	-60.99	-127.22	-110.25	-77.97	-28.91	234.33	15.53	152.60	97.26	105.84
849	2	2	2.145e+04	563.60	-168.08	506.45	-110.93	196.34	214.35	29.59	153.13	90.81	86.97
		3	2.127e+04	560.49	-196.20	496.18	-131.89	211.01	212.15	31.93	157.99	86.09	82.63
		7	1.901e+04	341.55	-225.94	247.50	-131.89	211.01	190.70	21.91	136.73	75.88	78.72
		6	1.926e+04	342.75	-195.90	257.77	-110.93	196.34	193.16	19.31	131.87	80.60	83.06
850	1	6	3.013e+04	-3.97	-107.43	-103.53	-7.87	-19.70	331.78	47.68	223.10	156.37	138.07
		7	1.916e+04	-8.28	-108.31	-105.23	-11.35	-17.26	210.75	33.65	155.49	88.92	82.05
		11	1.232e+04	-8.70	-123.81	-121.16	-11.35	-17.26	126.28	4.62	99.79	31.11	50.21
		10	2.289e+04	-4.50	-122.83	-119.45	-7.87	-19.70	244.65	21.31	167.40	98.56	106.23
850	2	6	2.055e+04	334.89	-68.08	269.57	-2.77	148.50	211.66	25.91	148.69	88.88	87.92
		7	1.923e+04	334.10	-89.01	262.43	-17.34	158.70	196.50	23.82	139.33	80.99	81.26
		11	1.835e+04	250.24	-111.47	156.11	-17.34	158.70	188.55	21.24	134.95	74.84	78.07
		10	1.967e+04	250.37	-89.88	163.25	-2.77	148.50	203.68	23.36	144.31	82.74	84.74
851	1	10	2.926e+04	-3.52	-126.36	-120.92	-8.96	-25.27	321.29	46.11	217.39	150.00	133.40
		11	1.921e+04	1.23	-125.55	-119.09	-5.23	-27.88	210.50	33.88	156.23	88.15	81.49
		15	1.279e+04	1.31	-124.09	-117.55	-5.23	-27.88	131.50	6.01	102.38	35.12	52.97
		14	2.254e+04	-3.45	-124.89	-119.38	-8.96	-25.27	240.30	20.21	163.55	96.97	104.89
851	2	10	2.018e+04	202.10	-41.23	162.66	-1.79	89.68	213.57	26.32	150.66	89.23	88.44
		11	1.897e+04	201.53	-56.63	157.41	-12.51	97.18	200.03	24.90	142.54	82.39	82.24
		15	1.829e+04	148.44	-71.18	89.77	-12.51	97.18	193.16	21.85	137.67	77.34	80.17
		14	1.950e+04	148.52	-55.29	95.02	-1.79	89.68	206.69	23.29	145.80	84.18	86.37
852	1	14	2.970e+04	-11.38	-127.40	-121.23	-17.55	-26.04	326.18	46.84	219.37	153.65	135.75
		15	1.864e+04	-0.75	-125.88	-117.23	-9.40	-31.75	203.64	31.77	149.10	86.30	79.99
		19	1.221e+04	-2.39	-153.22	-146.22	-9.40	-31.75	123.82	4.95	98.62	30.15	48.59
		18	2.281e+04	-12.62	-155.14	-150.21	-17.55	-26.04	243.47	22.92	168.89	97.50	104.34
852	2	14	2.103e+04	101.56	-15.63	93.58	-7.65	29.52	228.43	28.90	159.34	98.00	94.93
		15	1.838e+04	100.48	-24.63	90.27	-14.42	34.25	198.61	24.30	140.14	82.77	82.30
		19	1.705e+04	29.20	-41.32	2.30	-14.42	34.25	185.08	20.54	134.17	71.45	76.05
		18	1.968e+04	29.23	-31.27	5.61	-7.65	29.52	214.77	25.27	153.36	86.68	88.69
853	1	178	2.883e+04	-42.64	-128.27	-126.93	-43.98	10.65	318.17	45.26	215.35	148.08	132.24
		179	1.889e+04	-46.05	-131.30	-129.04	-48.31	13.68	208.82	33.59	156.25	86.16	80.30
		183	1.205e+04	-42.71	-81.72	-76.12	-48.31	13.68	126.72	4.80	98.91	32.61	51.16
		182	2.175e+04	-40.59	-77.40	-74.00	-43.98	10.65	234.14	18.39	158.01	94.53	103.10
853	2	178	2.150e+04	124.34	-44.81	-2.05	81.59	-73.51	233.59	30.01	164.27	99.32	96.47
		179	1.942e+04	104.77	-44.96	-8.54	68.35	-64.25	211.34	28.25	153.04	86.56	85.30
		183	1.784e+04	116.65	-17.10	31.20	68.35	-64.25	192.70	21.04	138.44	75.30	79.81
		182	1.993e+04	136.35	-17.08	37.69	81.59	-73.51	214.93	22.81	149.67	88.07	90.99
854	1	182	3.011e+04	36.39	-74.81	-66.96	28.55	28.47	334.62	48.64	224.19	159.07	139.24
		183	1.798e+04	39.33	-70.78	-64.68	33.22	25.20	201.67	33.70	150.59	84.77	77.27
		187	1.035e+04	41.68	-41.80	-33.33	33.22	25.20	107.76	0.10	87.10	20.76	42.39
		186	2.204e+04	39.36	-46.43	-35.62	28.55	28.47	237.28	18.48	160.70	95.06	104.36
854	2	182	2.283e+04	12.38	-207.26	1.76	-196.64	-47.12	248.95	32.73	172.89	108.79	103.25
		183	1.916e+04	12.80	-206.91	2.01	-196.12	-47.48	208.88	27.93	150.02	86.78	84.77
		187	1.688e+04	22.88	-206.42	12.59	-196.12	-47.48	182.01	18.99	132.67	68.33	74.90
		186	2.053e+04	22.47	-206.77	12.34	-196.64	-47.12	221.84	24.03	155.53	90.34	93.38
855	1	186	3.036e+04	31.89	-78.88	-39.94	-7.05	52.89	335.67	48.97	224.51	160.13	139.69
		187	1.775e+04	32.69	-72.31	-37.52	-2.10	49.43	197.75	33.57	148.44	82.87	75.26
		191	9972.46	62.81	-39.73	25.18	-2.10	49.43	99.78	-1.80	81.68	16.31	38.87
		190	2.199e+04	62.80	-47.09	22.75	-7.05	52.89	233.83	17.48	157.74	93.57	103.30
855	2	186	2.321e+04	78.23	-93.12	33.62	-48.52	-75.19	253.18	33.73	175.71	111.20	104.87
		187	1.918e+04	56.07	-98.49	24.57	-66.99	-62.26	209.50	28.62	150.93	87.20	84.64
		191	1.684e+04	19.82	-111.64	-24.83	-66.99	-62.26	179.99	18.55	131.55	66.99	73.98
		190	2.084e+04	44.80	-109.10	-15.78	-48.52	-75.19	223.38	23.94	156.34	90.98	94.22
856	1	190	3.081e+04	88.80	-79.43	22.62	-13.25	82.18	337.83	49.59	225.78	161.64	140.51

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		191	1.768e+04	88.81	-77.00	23.42	-11.61	81.04	193.90	33.59	145.97	81.52	73.39
		195	9864.40	144.93	-53.56	102.98	-11.61	81.04	93.90	-3.24	77.53	13.12	36.36
		168	2.231e+04	144.89	-55.96	102.18	-13.25	82.18	233.61	16.97	157.34	93.25	103.48
856	2	190	2.377e+04	89.54	-150.28	-15.82	-44.92	-119.03	255.80	34.21	178.03	111.98	105.76
		191	1.977e+04	67.19	-151.71	-23.64	-60.88	-107.86	212.48	29.41	153.33	88.56	85.61
		195	1.746e+04	73.17	-147.66	-13.61	-60.88	-107.86	184.45	19.23	134.26	69.42	75.98
		168	2.144e+04	95.27	-145.98	-5.79	-44.92	-119.03	227.56	24.24	158.96	92.84	96.13
857	1	168	3.104e+04	136.52	-133.10	92.02	-88.60	100.09	338.61	50.19	227.93	160.87	140.26
		195	1.751e+04	136.96	-122.13	95.77	-80.95	94.73	188.95	31.53	139.43	81.05	73.09
		199	1.127e+04	308.74	-103.98	285.71	-80.95	94.73	103.67	1.06	85.77	18.96	38.94
		169	2.399e+04	307.27	-113.91	281.96	-88.60	100.09	249.15	23.90	174.27	98.77	106.11
857	2	168	2.499e+04	152.70	-214.15	-5.20	-56.24	-181.64	265.80	35.81	185.34	116.27	109.68
		195	1.983e+04	115.83	-216.72	-18.18	-82.71	-163.11	208.62	26.36	145.85	89.12	86.60
		199	1.859e+04	77.51	-248.77	-88.55	-82.71	-163.11	193.00	22.60	142.77	72.83	77.69
		169	2.373e+04	115.99	-247.81	-75.57	-56.24	-181.64	249.97	32.27	182.26	99.98	100.77
858	1	975	2150.53	-108.30	-292.94	-292.89	-108.35	-3.04	-4.17	-16.68	-9.67	-11.18	-6.21
		20	1247.98	-162.50	-336.14	-324.91	-173.73	42.71	0.11	-2.91	-1.73	-2.69	0.78
		180	1474.55	-157.33	-284.96	-268.56	-173.73	42.71	9.78	2.20	3.68	8.29	3.01
		993	1505.92	-108.28	-236.62	-236.55	-108.35	-3.04	1.85	-7.92	-5.87	-0.20	-3.98
858	2	975	1887.50	-88.26	-345.27	-272.60	-160.93	115.74	-3.85	-16.07	-9.04	-10.88	-6.04
		20	2321.74	-108.47	-581.23	-356.81	-332.90	236.08	-0.19	-3.16	-0.30	-3.05	0.57
		180	2170.88	-46.03	-527.18	-240.31	-332.90	236.08	8.65	2.36	3.57	7.44	2.48
		993	1588.85	-42.75	-274.28	-156.11	-160.93	115.74	1.99	-7.56	-5.17	-0.39	-4.14
859	1	974	3702.12	-53.18	-593.17	-586.35	-60.00	-60.30	-5.73	-23.64	-13.78	-15.59	-8.91
		975	2340.12	-64.65	-596.66	-591.27	-70.04	-53.28	-1.51	-5.68	-1.73	-5.46	-0.93
		993	2400.69	-64.30	-565.06	-559.32	-70.04	-53.28	9.37	1.28	1.80	8.85	1.98
		992	3349.10	-52.76	-561.66	-554.41	-60.00	-60.30	1.71	-13.25	-10.25	-1.29	-5.99
859	2	974	3192.43	-50.72	-551.26	-543.14	-58.83	63.20	-5.41	-23.96	-13.46	-15.92	-9.19
		975	2339.18	-73.11	-571.44	-557.14	-87.41	83.20	-0.99	-5.98	-1.33	-5.64	-1.26
		993	2338.64	-72.02	-537.29	-521.90	-87.41	83.20	9.06	1.58	2.07	8.57	1.85
		992	2876.80	-50.10	-516.63	-507.90	-58.83	63.20	1.49	-13.26	-10.06	-1.71	-6.08
860	1	973	4607.25	-13.86	-813.29	-799.26	-27.88	-104.95	-5.24	-23.17	-14.27	-14.13	-8.96
		974	3604.42	-24.04	-816.06	-803.52	-36.58	-98.86	-2.87	-9.20	-5.33	-6.73	-3.08
		992	3627.80	-23.72	-796.41	-783.55	-36.58	-98.86	4.16	-2.92	-2.77	4.00	-1.03
		991	4455.01	-13.50	-793.67	-779.29	-27.88	-104.95	0.52	-15.62	-11.71	-3.40	-6.91
860	2	973	3992.68	8.16	-742.88	-741.73	7.01	29.31	-4.91	-22.58	-13.55	-13.94	-8.83
		974	3196.33	-6.82	-751.80	-749.59	-9.03	40.53	-2.53	-9.40	-4.99	-6.93	-3.30
		992	3391.06	-6.81	-749.52	-747.31	-9.03	40.53	3.43	-3.00	-2.72	3.14	-1.33
		991	3992.31	8.16	-740.60	-739.45	7.01	29.31	0.23	-15.38	-11.28	-3.86	-6.87
861	1	972	5166.03	18.69	-957.56	-938.52	-0.36	-135.02	-4.09	-20.97	-13.63	-11.43	-8.37
		973	4595.98	8.07	-960.35	-942.92	-9.35	-128.72	-2.80	-12.75	-8.42	-7.13	-4.93
		991	4589.13	8.28	-949.24	-931.61	-9.35	-128.72	0.92	-8.73	-6.92	-0.89	-3.76
		990	5109.94	18.91	-946.47	-927.21	-0.36	-135.02	-0.67	-16.65	-12.13	-5.18	-7.19
861	2	972	4546.19	64.50	-874.54	-874.34	64.30	13.69	-3.75	-19.79	-12.69	-10.85	-7.97
		973	4136.43	53.22	-880.52	-880.01	52.71	21.80	-2.58	-12.69	-8.09	-7.17	-5.03
		991	4303.78	53.21	-898.07	-897.57	52.71	21.80	0.34	-9.20	-6.95	-1.90	-4.05
		990	4667.16	64.50	-892.09	-891.89	64.30	13.69	-0.97	-16.16	-11.55	-5.58	-6.98
862	1	971	5363.11	45.69	-1024.23	-1002.21	23.67	-151.90	-2.66	-17.67	-12.14	-8.19	-7.24
		972	5186.27	33.05	-1027.49	-1007.44	13.00	-144.43	-2.28	-15.27	-10.60	-6.95	-6.23
		990	5189.91	33.07	-1026.20	-1006.13	13.00	-144.43	-1.22	-14.08	-10.17	-5.14	-5.92
		989	5363.29	45.72	-1022.95	-1000.90	23.67	-151.90	-1.62	-16.46	-11.71	-6.38	-6.93
862	2	971	4807.08	117.05	-936.58	-936.46	116.94	11.01	-2.31	-16.14	-11.09	-7.36	-6.66
		972	4724.90	104.73	-943.00	-942.62	104.36	19.81	-2.10	-14.96	-10.24	-6.81	-6.20
		990	4878.99	104.72	-976.02	-975.66	104.36	19.81	-1.71	-14.58	-10.19	-6.10	-6.10
		989	4959.94	117.05	-969.61	-969.49	116.94	11.01	-1.93	-15.76	-11.04	-6.64	-6.56
863	1	970	5177.08	64.17	-1013.55	-991.74	42.36	-151.75	-0.93	-13.35	-9.79	-4.49	-5.62
		971	5360.49	53.28	-1016.37	-996.25	33.16	-145.32	-1.50	-16.51	-11.82	-6.19	-6.95
		989	5368.95	53.22	-1019.41	-999.35	33.16	-145.32	-2.86	-18.22	-12.41	-8.67	-7.45
		988	5177.22	64.11	-1016.59	-994.85	42.36	-151.75	-2.33	-15.02	-10.39	-6.96	-6.11
863	2	970	4768.33	166.40	-928.46	-928.12	166.06	19.16	-0.54	-11.57	-8.67	-3.44	-4.86
		971	4944.66	151.17	-936.66	-935.82	150.33	30.17	-1.34	-15.98	-11.43	-5.89	-6.78
		989	5063.14	151.14	-978.49	-977.69	150.33	30.17	-3.33	-18.63	-12.43	-9.52	-7.51
		988	4866.34	166.38	-970.31	-969.98	166.06	19.16	-2.63	-14.11	-9.67	-7.07	-5.59
864	1	969	4594.28	69.20	-924.56	-904.69	49.33	-139.13	1.39	-7.87	-6.42	-0.06	-3.36
		970	5117.24	59.15	-927.18	-908.85	40.82	-133.18	-0.48	-16.54	-12.19	-4.84	-7.14
		988	5130.86	59.08	-930.66	-912.40	40.82	-133.18	-4.25	-21.34	-13.81	-11.78	-8.49
		987	4538.43	69.13	-928.05	-908.24	49.33	-139.13	-2.78	-12.26	-8.05	-7.00	-4.71
864	2	969	4454.16	208.65	-850.12	-849.14	207.68	32.06	2.00	-6.12	-5.28	1.16	-2.47
		970	4808.99	188.30	-861.79	-859.67	186.18	47.11	-0.31	-15.83	-11.78	-4.37	-6.82
		988	4852.19	188.22	-905.96	-903.93	186.18	47.11	-4.70	-21.58	-13.81	-12.46	-8.41
		987	4384.24	208.61	-894.33	-893.40	207.68	32.06	-3.06	-11.19	-7.32	-6.94	-4.06
865	1	968	3635.91	55.44	-757.46	-740.79	38.76	-115.24	5.19	-2.06	-2.02	5.16	-0.49

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		969	4458.73	48.21	-759.32	-743.77	32.66	-110.98	0.84	-15.43	-11.74	-2.84	-6.81
		987	4507.43	48.18	-761.02	-745.51	32.66	-110.98	-5.39	-23.52	-14.40	-14.51	-9.06
		986	3447.61	55.40	-759.17	-742.52	38.76	-115.24	-2.70	-8.49	-4.68	-6.51	-2.75
865	2	968	3935.58	238.60	-702.60	-700.15	236.15	47.94	6.51	-0.94	-0.91	6.47	0.50
		969	4328.80	214.85	-717.61	-712.89	210.13	66.14	1.06	-14.61	-11.32	-2.22	-6.37
		987	4248.12	214.65	-757.62	-753.10	210.13	66.14	-5.85	-23.54	-14.38	-15.01	-8.84
		986	3673.85	238.50	-742.71	-740.36	236.15	47.94	-2.85	-7.43	-3.97	-6.31	-1.97
866	1	967	2408.49	19.47	-510.49	-499.18	8.15	-76.60	11.42	2.12	3.00	10.54	2.72
		968	3347.59	19.49	-510.49	-499.17	8.17	-76.62	2.35	-13.11	-10.32	-0.43	-5.94
		986	3541.20	19.46	-512.14	-500.86	8.17	-76.62	-6.05	-24.27	-13.97	-16.36	-9.03
		985	2314.57	19.43	-512.15	-500.87	8.15	-76.60	-0.62	-5.41	-0.65	-5.38	-0.37
866	2	967	3405.65	262.36	-485.00	-478.68	256.04	68.45	13.60	2.59	4.15	12.05	3.84
		968	3505.37	235.82	-505.27	-494.07	224.62	90.43	2.66	-12.32	-9.99	0.33	-5.43
		986	3626.80	235.34	-538.04	-527.32	224.62	90.43	-6.61	-24.28	-14.03	-16.87	-8.72
		985	3133.02	262.09	-517.99	-511.94	256.04	68.45	0.17	-5.20	0.11	-5.15	0.55
867	1	19	1604.15	-37.47	-180.61	-178.72	-39.36	-16.37	14.89	3.69	6.29	12.30	4.72
		967	1590.94	-26.00	-177.58	-173.95	-29.63	-23.18	2.92	-8.57	-6.80	1.15	-4.15
		985	2136.23	-26.15	-184.10	-180.62	-29.63	-23.18	-5.01	-19.90	-10.91	-14.00	-7.28
		179	1081.80	-37.55	-187.20	-185.38	-39.36	-16.37	2.64	-3.31	2.18	-2.85	1.59
867	2	19	3055.77	305.60	-208.32	-187.85	285.13	100.50	18.04	4.07	7.70	14.41	6.12
		967	2331.95	279.68	-240.52	-206.95	246.12	127.80	3.41	-8.14	-6.82	2.10	-3.67
		985	3129.87	278.27	-261.93	-229.78	246.12	127.80	-5.82	-20.54	-11.33	-15.03	-7.13
		179	2226.90	304.73	-230.28	-210.68	285.13	100.50	4.22	-3.74	3.19	-2.72	2.67
868	1	18	2.826e+04	-24.01	-151.54	-150.64	-24.91	10.65	310.34	41.62	211.79	140.17	129.50
		19	2.035e+04	-18.86	-148.19	-147.84	-19.20	6.65	222.89	32.07	165.54	89.42	87.49
		179	1.277e+04	-18.78	-124.12	-123.70	-19.20	6.65	135.02	10.28	102.91	42.39	54.54
		178	2.056e+04	-23.81	-127.60	-126.49	-24.91	10.65	221.67	20.62	149.16	93.13	96.54
868	2	18	2.086e+04	52.28	-25.83	10.46	15.98	-38.96	228.19	28.22	160.12	96.29	94.75
		19	1.897e+04	26.74	-26.59	1.82	-1.67	-26.61	207.89	25.93	148.61	85.20	85.28
		179	1.760e+04	18.09	-37.50	-17.75	-1.67	-26.61	191.25	21.51	136.98	75.78	79.16
		178	1.949e+04	44.37	-37.49	-9.11	15.98	-38.96	211.51	23.83	148.48	86.87	88.64
Elem.		Von Mises		N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
		3.104e+04		2517.81	-2731.07	-1118.41	-2520.33	-868.74	1227.04	-1307.82	-1177.68	-1303.34	-447.65
					955.07	2472.57	1030.88			671.04	1123.98	543.85	