



Anas SpA

DIREZIONE CENTRALE PROGETTAZIONE

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

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DATA

PROTOCOLLO

CAVALCAVIA STRADA VICINALE DELLE COSTE NOTE DI CALCOLO

CODICE PROGETTO

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1. GENERALITA'

1.1 Oggetto e scopo del lavoro

La presente nota ha come oggetto i calcoli statici relativi al cavalcavia a tre campate che realizza il sovrappasso alla SS9 tra le sezioni A-214 e A-215 alla progressiva 5+059.78 individuata in progetto. Il cavalcavia si colloca sul tracciato dell'asse 7.

Il cavalcavia a tre campate della luce pari rispettivamente a 25.20m+30.30m+25.20m, misurate in corrispondenza degli assi delle spalle e delle pile, è costituito da n. 2 spalle di estremità e da n. 2 pile intermedie realizzate in opera, e da un impalcato in travi prefabbricate di cemento armato precompresso all'estradosso delle quali viene realizzata una soletta in c.a. di sostegno al piano viario.

La lunghezza complessiva del cavalcavia è pari a 80.70m misurata in corrispondenza degli assi delle spalle.

La strada transitante sul cavalcavia è di categoria "C2" secondo il DM 5/11/01 pertanto la larghezza dell'impalcato è pari a 12.50m.

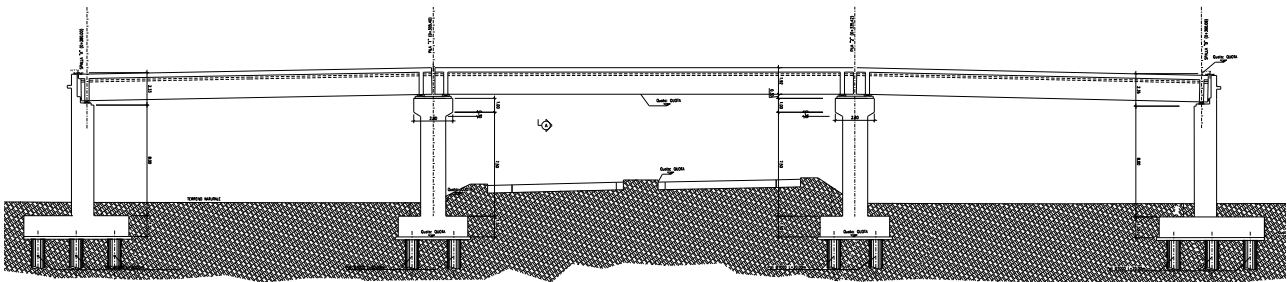
La quota di progetto dell'asse stradale 7 in corrispondenza della mezzzeria del cavalcavia è pari a +72.78m e a +72.18 in corrispondenza della spalla A, +72.09m in corrispondenza della spalla B.

L'opera garantisce un franco di sicurezza verticale di 6.35m rispetto all'asse della SS9 transitante al di sotto del proprio impalcato e posto ad una quota di progetto di +64.27m.

Il cavalcavia viene realizzato in corrispondenza di un raccordo verticale circolare di raggio pari a 1400m.

Sia le spalle che le pile sono sorrette da platee di fondazione di spessore 1.50m, al di sotto delle quali sono alloggiati pali di fondazione del diametro 1000mm aventi lunghezza 20m.

La cui geometria è riportata in figura:



La struttura di impalcato è realizzata da n. 4 travi prefabbricate in c.a. precompresso con sezioni trasversali a forma di V di altezza pari a 1.60m e di larghezza pari a 2.50m. All'estradosso delle travi sono alloggiati delle coppelle prefabbricate in c.a. con il compito di creare il fondo della cassera necessaria per realizzare la soletta in c.a. gettata in opera che costituisce il sostegno del piano viario stradale. La soletta in c.a. ha uno spessore minimo di 25cm in corrispondenza dei cigli esterni delle banchine ed uno spessore di 35cm in corrispondenza dell'asse della carreggiata. Alle estremità della carreggiata stradale sono posizionati due percorsi pedonali di larghezza pari a 1.50m da utilizzare in caso di emergenza, protetti sul lato traffico stradale da barriere di sicurezza del tipo H3 e sul lato opposto da parapetti in ringhiera metallica.

Le spalle sono costituite da paramenti verticali dello spessore di 1.60m e di altezza rispetto allo spiccato delle fondazioni pari a 8.00m, mentre le pile intermedie presentano paramenti verticali di spessore pari a 1.80m e altezza 7.20m.

Nella parte superiore delle spalle sono presenti degli elementi paraghiaia dello spessore di 0.40m e di altezza pari a 2.22m, mentre nella parte superiore delle pile sono realizzati i pulvini necessari per garantire le opportune superfici di appoggio delle travi e l'alloggiamento dei dispositivi di appoggio in acciaio teflon. Tali pulvini dello spessore di 1.00m hanno una larghezza di 2.80m misurata a cavallo degli assi delle pile stesse.

In relazione ai carichi mobili ammessi al transito, il cavalcavia è classificato come ponte di 1° categoria (secondo quanto previsto dall'art. 3.4.1.2 del D.M. 4 Maggio 1990) per i quali i carichi mobili sono da considerarsi con il loro valore intero.

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

Il cavalcavia è stato modellato nel seguente modo:

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

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

1.2 Criteri di calcolo

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

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

1.3 Software di calcolo

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

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

2. NORMATIVA DI RIFERIMENTO

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

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

3. MATERIALI

Calcestruzzo per soletta impalcato

si adotta un calcestruzzo di classe cubica:

Modulo elastico

Tensione di calcolo a rottura per compressione

Tensione di calcolo a rottura per trazione

Tensione di calcolo a rottura a trazione per flessione

Tensione di calcolo a rottura a taglio

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

Calcestruzzo per travi impalcato

si adotta un calcestruzzo di classe cubica:

Modulo elastico

Tensione di calcolo a rottura per compressione

Tensione di calcolo a rottura per trazione

Tensione di calcolo a rottura a trazione per flessione

Tensione di calcolo a rottura a taglio

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

Calcestruzzo per elevazioni e fondazioni spalle

si adotta un calcestruzzo di classe cubica:

Modulo elastico

Tensione di calcolo a rottura per compressione

Tensione di calcolo a rottura per trazione

Tensione di calcolo a rottura a trazione per flessione

Tensione di calcolo a rottura a taglio

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

Calcestruzzo per pali

si adotta un calcestruzzo di classe cubica:

Modulo elastico

Tensione di calcolo a rottura per compressione

Tensione di calcolo a rottura per trazione

Tensione di calcolo a rottura a trazione per flessione

Tensione di calcolo a rottura a taglio

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

Acciaio in tondi ad aderenza migliorata

tipo B450C avente caratteristiche:

Modulo di elasticità

Tensione caratteristica di snervamento

Tensione di calcolo a rottura (1%)

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

4. PARAMETRI GEOTECNICI E SISMICI

4.1 Dati geotecnici

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

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

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

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

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

con:

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

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

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

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

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

Dati relativi al terreno di base

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

Dati relativi al terreno di rinterro

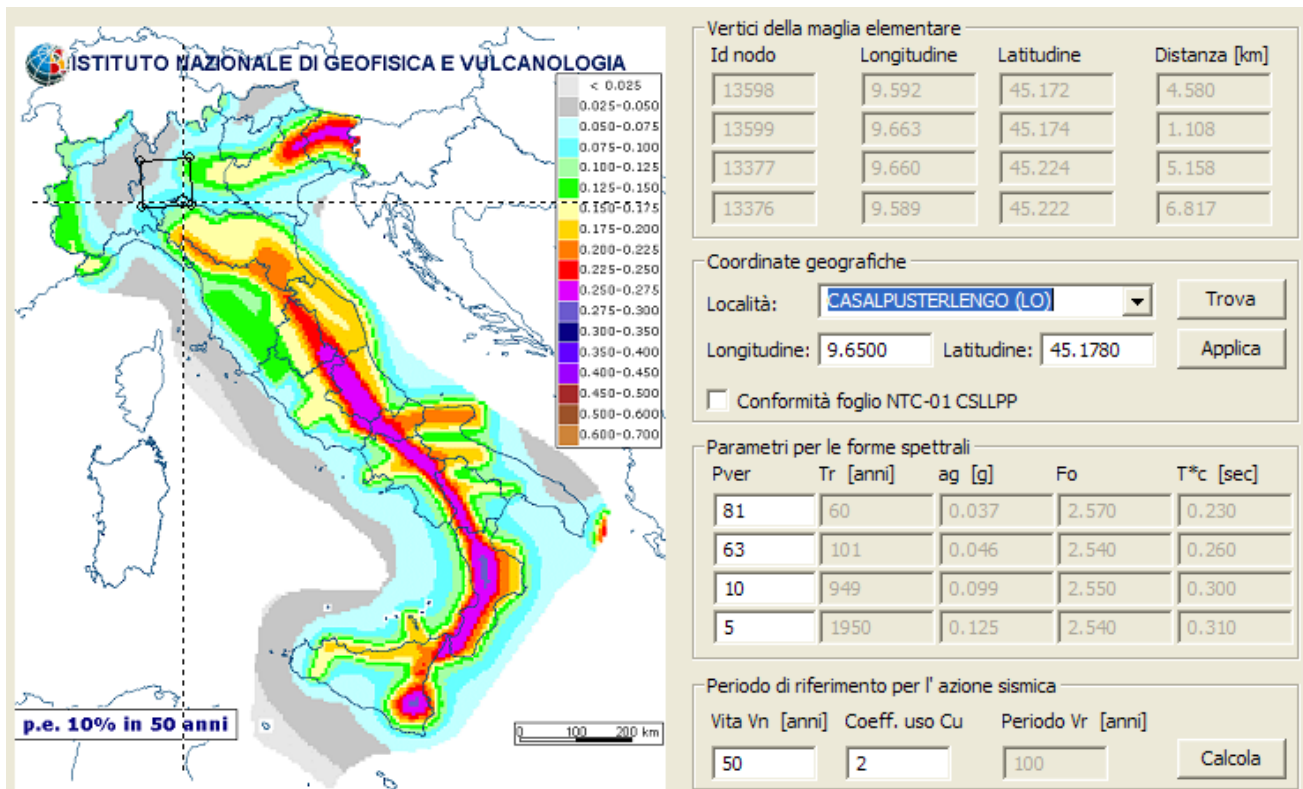
Peso specifico terreno	$\gamma =$	18	[kN/m ³]
Angolo di attrito interno terreno	$\phi' =$	38	[°]

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

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

4.2 Parametri di sismicità del sito

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



Parametri sismici secondo NTC2008

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

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

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

Coefficiente sismico orizzontale

$$k_h = 0.1485$$

Coefficiente sismico verticale

$$k_v = 0.0743$$

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

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

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

5. ANALISI DEI CARICHI

5.1 Introduzione

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

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

5.2 Carichi dall'impalcato

5.2.1 Carichi permanenti

5.2.1.1 Pesi propri

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

5.2.1.2 Peso pavimentazione stradale

$$Q_{\text{neri}} = 1.50 \text{ kN/m}^2$$

5.2.1.3 Peso barriere

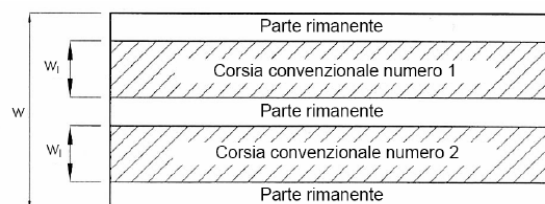
$$Q_{\text{bar}} = 1.30 \text{ kN/m}$$

5.2.1.4 Peso parapetti

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

5.2.2 Azione dei carichi da traffico

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

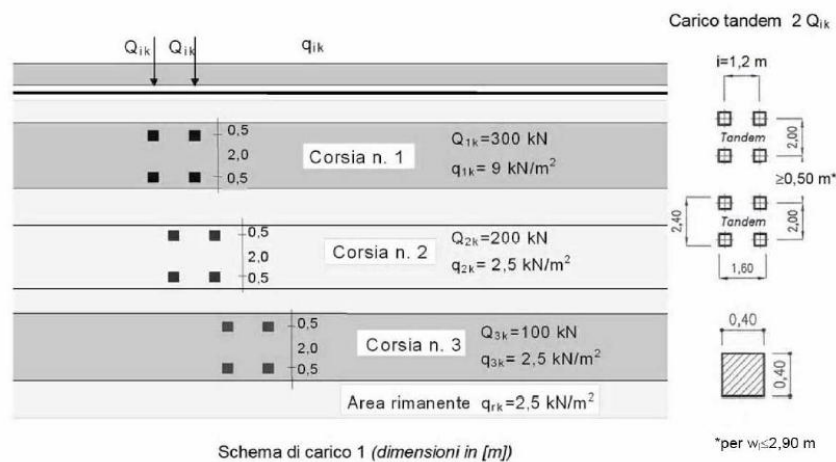


Le larghezze w_1 delle corsie convenzionali su una carreggiata ed il massimo numero (intero) possibile di tali corsie su di essa sono date dalla relazione:

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

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

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



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

CORSIA	CARICO TANDEM	CARICO DISTRIBUITO SULLA LARGHEZZA	CARICO DISTRIBUITO SULLA SUPERFICIE
1	$Q_{1K} = 2 \times 300 \text{ kN}$	$Q'_{1K} = 600 \text{ kN}/3 \text{ m} = 200 \text{ kN/m}$	$q_{1k} = 9 \text{ kN/m}^2$
2	$Q_{2K} = 2 \times 200 \text{ kN}$	$Q'_{2K} = 400 \text{ kN}/3 \text{ m} = 133.33 \text{ kN/m}$	$q_{2k} = 2.5 \text{ kN/m}^2$
3	$Q_{3K} = 2 \times 100 \text{ kN}$	$Q'_{3K} = 200 \text{ kN}/3 \text{ m} = 66.67 \text{ kN/m}$	$q_{3k} = 2.5 \text{ kN/m}^2$
4	$Q_{4K} = 0 \text{ kN}$	$Q'_{4K} = 0 \text{ kN}$	$q_{4k} = 2.5 \text{ kN/m}^2$

5.2.3 Azione longitudinale di frenamento

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

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

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

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

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

5.2.4 Urto per svio

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

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

5.2.5 Variazioni termiche

Si considerano applicate alla struttura le seguenti variazioni termiche:

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

5.3 Spinta del terreno

5.3.1 Spinta terreno in condizioni statiche

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

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

In corrispondenza delle spalle la pressione del terreno in condizioni statiche ha andamento triangolare con valore nullo in sommità e massimo a profondità $z=(4.10+2.23)m$

Per $z=9.00m$ $p_0 = 18 \text{ kN/m}^3 \cdot 9.00m \cdot 0.3039 = 49.23 \text{ kN/mq}$

5.3.2 Spinta terreno in condizioni sismiche

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

L'analisi pseudostatica si effettua mediante i metodi dell'equilibrio limite. Il modello di calcolo comprende l'opera di sostegno, il cuneo di terreno a tergo dell'opera, che si suppone in stato di equilibrio limite attivo, e gli eventuali sovraccarichi agenti sul cuneo suddetto (in questo caso trascurabili).

Nell'analisi pseudostatica, l'azione sismica è rappresentata da una forza statica equivalente pari al prodotto delle forze di gravità per un opportuno coefficiente sismico.

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

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

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

$$\Delta F = \gamma \cdot h \cdot k_h = 24.06 \text{ kN}$$

5.3.3 Spinta terreno da carico accidentale

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

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

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

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

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

5.3.4 Azione sismica

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

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

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

6. SPALLE

6.1 Generalità

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

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

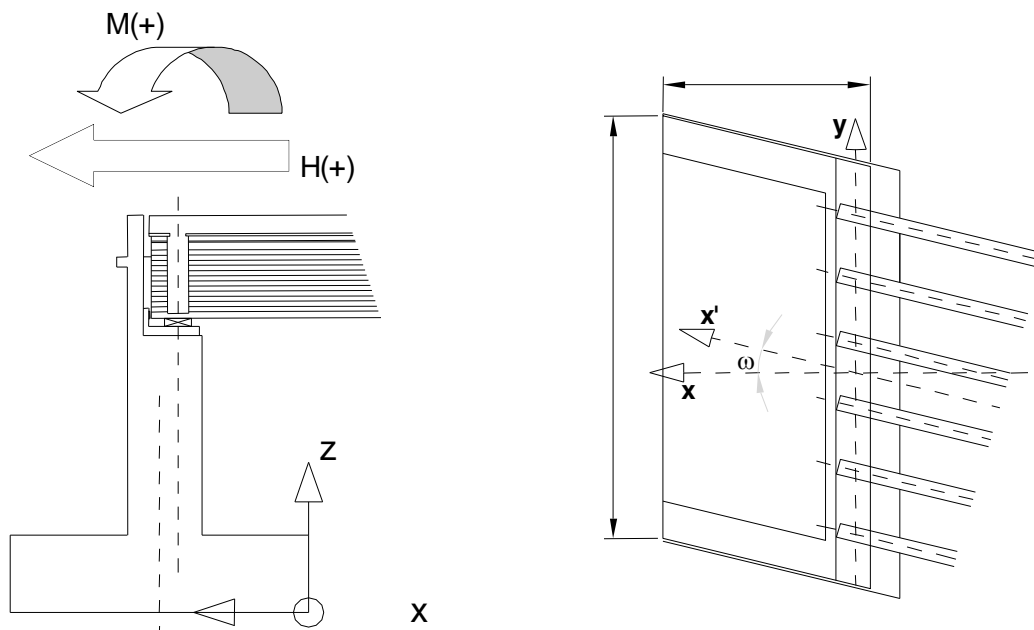
- La forza d'inerzia trasmessa dall'impalcato (spalla con appoggio fisso).
- La forza d'inerzia agente sulla massa della spalla e del terreno contenuto
- La spinta in condizioni sismiche del terreno retrostante.

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

6.2 Sistema di riferimento e convenzioni sui segni

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

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



6.3 Dati geometrici

Altezza paramento	$H_{par} =$	8	[m]
Spessore paramento (in x)		1.6	[m]
Larghezza paramento (in y)		12.5	[m]
Larghezza baggioli (in y)		1	[m]
Larghezza baggioli (in x)		1	[m]
N° baggioli		4	
Dist. asse baggioli da filo ant. paramento (in x)		0.35	[m]
Altezza baggioli		0.2	[m]
Altezza paraghiaia		2.21	[m]
Spessore paraghiaia (in x)		0.4	[m]
Larghezza paraghiaia (in y)		12.5	[m]
Distanza filo posteriore paraghiaia da filo post. paramento (in X)		0	[m]
Spessore platea di fondazione		1.5	[m]
Lunghezza platea di fondazione (in x)		7.6	[m]
Larghezza platea di fondazione (in y)		12.5	[m]
Sbalzo anteriore platea		2.5	[m]
Sbalzo posteriore platea		3.5	[m]
Wx (trasversale)		197.92	[m ²]
Wy (longitudinale)		120.33	[m ²]
Lunghezza risvolti (in x)		3.5	[m]
Spessore medio risvolti		0.5	[m]
Altezza risvolti		10.21	[m]

Dati relativi al terreno di rinterro

altezza a filo anteriore fondazione		1.5	[m]
altezza a filo anteriore paramento		1	[m]
altezza a filo posteriore paramento		8	[m]
altezza a filo posteriore fondazione		11.71	[m]

Dati relativi ai pali

Diametro pali		1	[m]
Area Pali		11.78	[m ²]
Lunghezza pali		20.00	[m]
Lunghezza elastica	$L_0 =$	7.27	[m]
file trasversali di pali (in y)		5	
file longitudinali di pali (in x)		3	
distanza bordo fondazione-asse palo (lungo x)		1.00	[m]
distanza bordo fondazione-asse palo (lungo y)		1.05	[m]
interasse trasversale pali (lungo y)	$i_{py} =$	2.60	[m]
interasse longitudinale pali (lungo x)	$i_{px} =$	2.80	[m]
Modulo d'inerzia min palificata (attorno asse x)	$W_{px} =$	26.00	[m]
Modulo d'inerzia min palificata (attorno asse y)	$W_{py} =$	22.40	[m]

6.4 Verifiche

6.4.1 Appoggi

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

Si assumono inoltre i seguenti valori dei coefficienti:

Coefficiente di ritiro

$$\varepsilon = 0.0003$$

Coefficiente di dilatazione termica

$$\alpha = 1.00E-05$$

Scorrimento longitudinale (+40°)

$$10.02 \text{ [mm]}$$

Scorrimento trasversale (+40°)

$$12.88 \text{ [mm]}$$

SLU STR

SISMA X+

SISMA X-

SISMA Y+

SISMA Y-

	V [kN]	Hx [kN]	Hy [kN]
SLU STR	1713.00	38.58	3.58
SISMA X+	363.94	1137.93	0.00
SISMA X-	297.83	1428.65	0.00
SISMA Y+	287.03	0.00	873.32
SISMA Y-	485.44	0.00	967.37

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

La verifica viene condotta secondo la norma CNR 10037.

6.4.2 Paramento laterale (risolto)

Combinazioni di verifica (per 1m di risolto)

	M ver [kNm/m]	V ver [kN/m]	N ver [kN/m]
U1a	909.42	1643.31	-172.29
E6a	706.76	776.55	-127.63

Si esegue la verifica con

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

Armatura minima $A_{smin} = 1500.00 \text{ mm}^2$

Armatura superiore $A_s = 4908.7 \text{ mm}^2$, (1Ø25 passo 10cm, ossia 10Ø25/m)

Armatura inferiore $A'_s = 6919.4 \text{ mm}^2$, (1Ø25 passo 10cm+1Ø16 passo 10cm, ossia 10Ø25/m +10Ø16/m)

Sollecitazioni SLU:

$M_u = 910.00 \text{ kNm}$; $V_u = 1645.00 \text{ kN}$; $N_u = -173.00 \text{ kN}$

Momento agente ultimo (+contr. del taglio): $M'_u = 2331.28 \text{ kNm}$

Sezione pressoinflessa parzializzata, Campo di rottura '2'

Taglio limite: $V_{lim} = 660.26 \text{ kN}$ (Armatura a taglio necessaria)

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

Azione Taglio trazione: $V_{wd} + V_{cd} = 9523.63 \text{ kN}$

Momento ultimo resistente $M_{rd} = 2438.79 \text{ kNm}$

Sollecitazioni SLE:

$M_e = 707.00 \text{ kNm}$; $N_e = -128.00 \text{ kN}$

Sezione pressoinflessa parzializzata

$\sigma_c = -3.82 \text{ MPa} < -13.073 \text{ MPa}$

$\sigma_s = 108.82 \text{ MPa} < 301 \text{ MPa}$

Ampiezza di fessurazione di verifica $W_k = 0.063 \text{ mm} (< 0.2 \text{ mm})$

6.4.3 Paraghiaia

Il calcolo delle sollecitazioni viene istituito con riferimento alla condizione di massimo sovraccarico sul rilevato (20.0 kN/m^2) e con azione frenante concentrata sulla sommità del paraghiaia.

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

Altezza di calcolo paraghiaia:

2.31

M ver [kNm/m]	V ver [kN/m]	N ver [kN/m]
53.05	38.19	-23.10

Si esegue la verifica con

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

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

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

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

Sollecitazioni SLU:

$M_u = 53.05 \text{ kNm}$; $V_u = 38.10 \text{ kN}$; $N_u = -23.10 \text{ kN}$

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

Sezione pressoinflessa parzializzata, Campo di rottura '2'

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

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

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

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

Sollecitazioni SLE:

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

Sezione pressoinflessa parzializzata

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

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

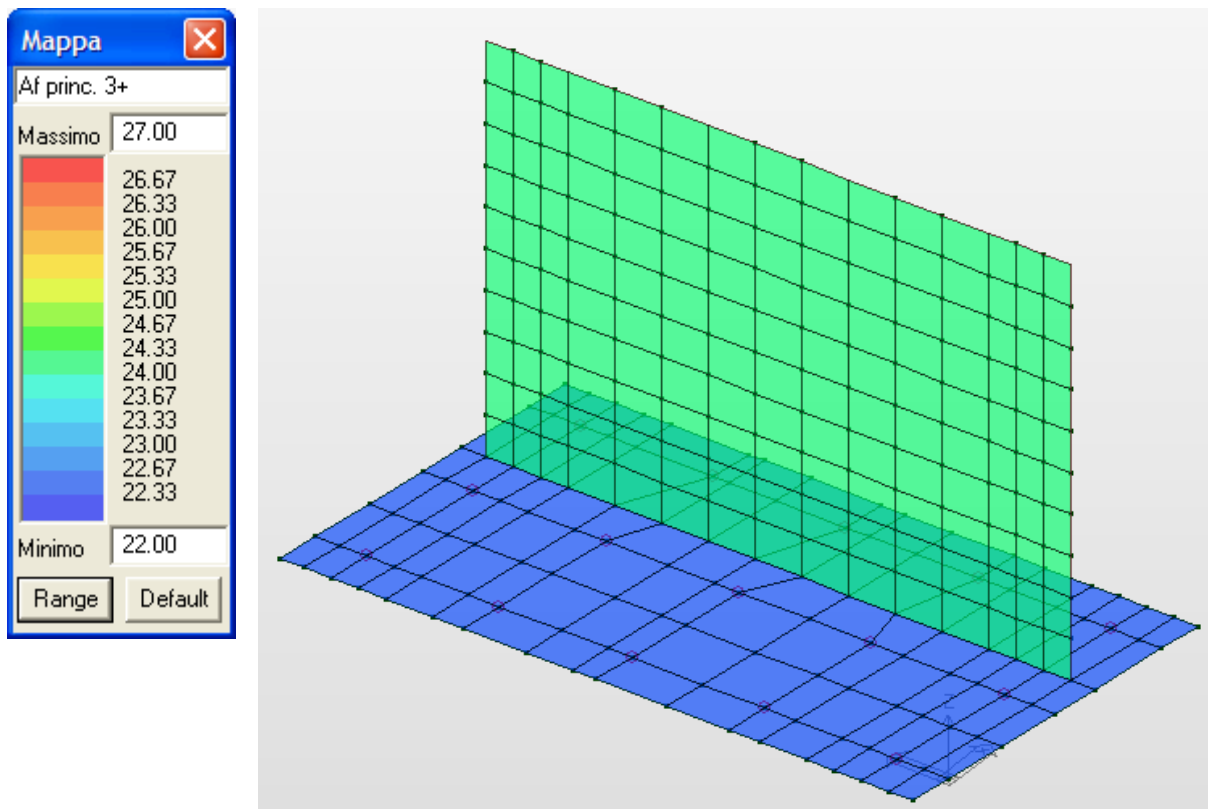
Ampiezza di fessurazione di verifica $W_k = 0.037 \text{ mm} (< 0.2 \text{ mm})$

6.4.4 Verifica elementi bidimensionali tipo shell: platea e paramento verticale

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

Af princ. 3+

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



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

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

dove:

b_t rappresenta la larghezza media della zona tesa;

d è l'altezza utile della sezione;

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

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

Dalle analisi svolte si ottengono le seguenti armature:

PLATEA

Si esegue la verifica con

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

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

Armatura superiore $A_s = 4908.7 \text{ mm}^2$, (1Ø25 passo 10cm, ossia 10Ø25/m)

Armatura inferiore $A'_s = 4908.7 \text{ mm}^2$, (1Ø25 passo 10cm, ossia 10Ø25/m)

PARAMENTO VERTICALE

Si esegue la verifica con

$H = 1.6 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$, $R_{ck} = 35 \text{ MPa}$

Armatura minima $A_{s,\min} = 2555.27 \text{ mm}^2$

Armatura superiore $A_s = 3141.59 \text{ mm}^2$, (1Ø20 passo 10cm, ossia 10Ø20/m)

Armatura inferiore $A'_s = 3141.59 \text{ mm}^2$, (1Ø20 passo 10cm, ossia 10Ø20/m)

7. PILA

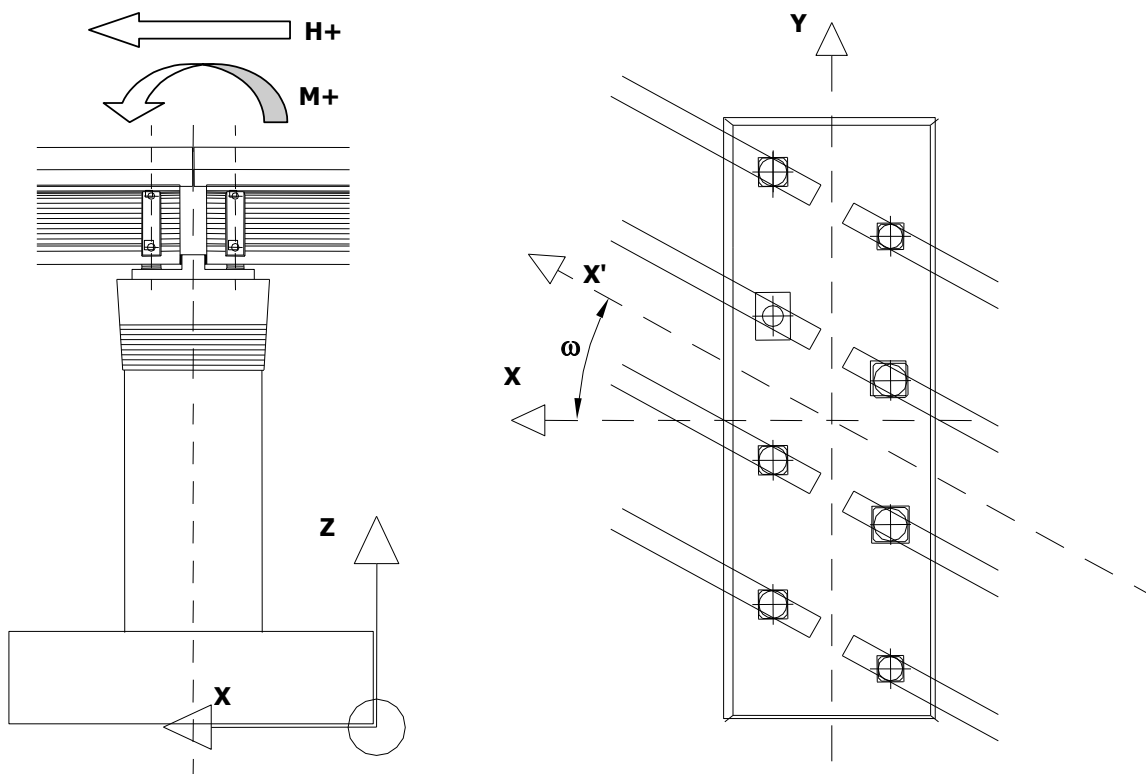
7.1 Generalità

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

7.2 Sistema di riferimento e convenzioni sui segni

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

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



7.3 Dati geometrici

Dati geometrici

Altezza fusto (escluso pulvino)	$H_{par} =$	7.5	[m]
Spessore fusto (in x)		1.8	[m]
Larghezza fusto (in y)		12.6	[m]
Larghezza baggioli (in y)		1	[m]
Larghezza baggioli (in x)		1	[m]
N° baggioli		8.00	
Dist. asse baggioli da filo ant. pulvino (in x)		2.35	[m]
Altezza baggioli		0.2	[m]
Spessore pulvino all'attacco pila (in z)		0.3	[m]
Spessore pulvino all'estremità (in z)		1.0	[m]
Larghezza pulvino (in y)		13.65	[m]
Larghezza pulvino (in x)		2.8	[m]
Spessore platea di fondazione		1.5	[m]
Rinterro da p.c.		1	[m]
Lunghezza platea di fondazione (in x)		5	[m]
Larghezza platea di fondazione (in y)		14.5	[m]
Sbalzo anteriore platea		1.6	[m]
Sbalzo posteriore platea		1.6	[m]

Dati relativi ai pali

Diametro pali	$L_0 =$	1.00	[m]
Area Pali		9.42	[m ²]
lunghezza pali		20.00	[m]
Lunghezza elastica		4.59	[m]
file trasversali di pali (in y)		6	
file longitudinali di pali (in x)		2	
numero totale pali		12	
distanza bordo fondazione-asse palo (in x)		1.00	[m]
distanza bordo fondazione-asse palo (in y)		1.00	[m]
interasse trasversale pali (in y)		2.50	[m]
interasse longitudinale pali (in x)		3.00	[m]

7.4 Verifiche

7.4.1 Appoggi

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

Si assumono inoltre i seguenti valori dei coefficienti:

Coefficiente di ritiro

$$\varepsilon = 0.0003$$

Coefficiente di dilatazione termica

$$\alpha = 1.00E-05$$

Scorrimento longitudinale (+40°)

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

Scorrimento trasversale (+40°)

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

	V [kN]	Hx [kN]	Hy [kN]
STR 03	1174.43	0.00	270.53
STR 04	1322.87	0.00	192.57
SISMA X+	876.50	0.00	0.00
SISMA X-	859.23	0.00	0.00
SISMA Y+	284.03	0.00	865.48
SISMA Y-	484.20	0.00	960.05

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

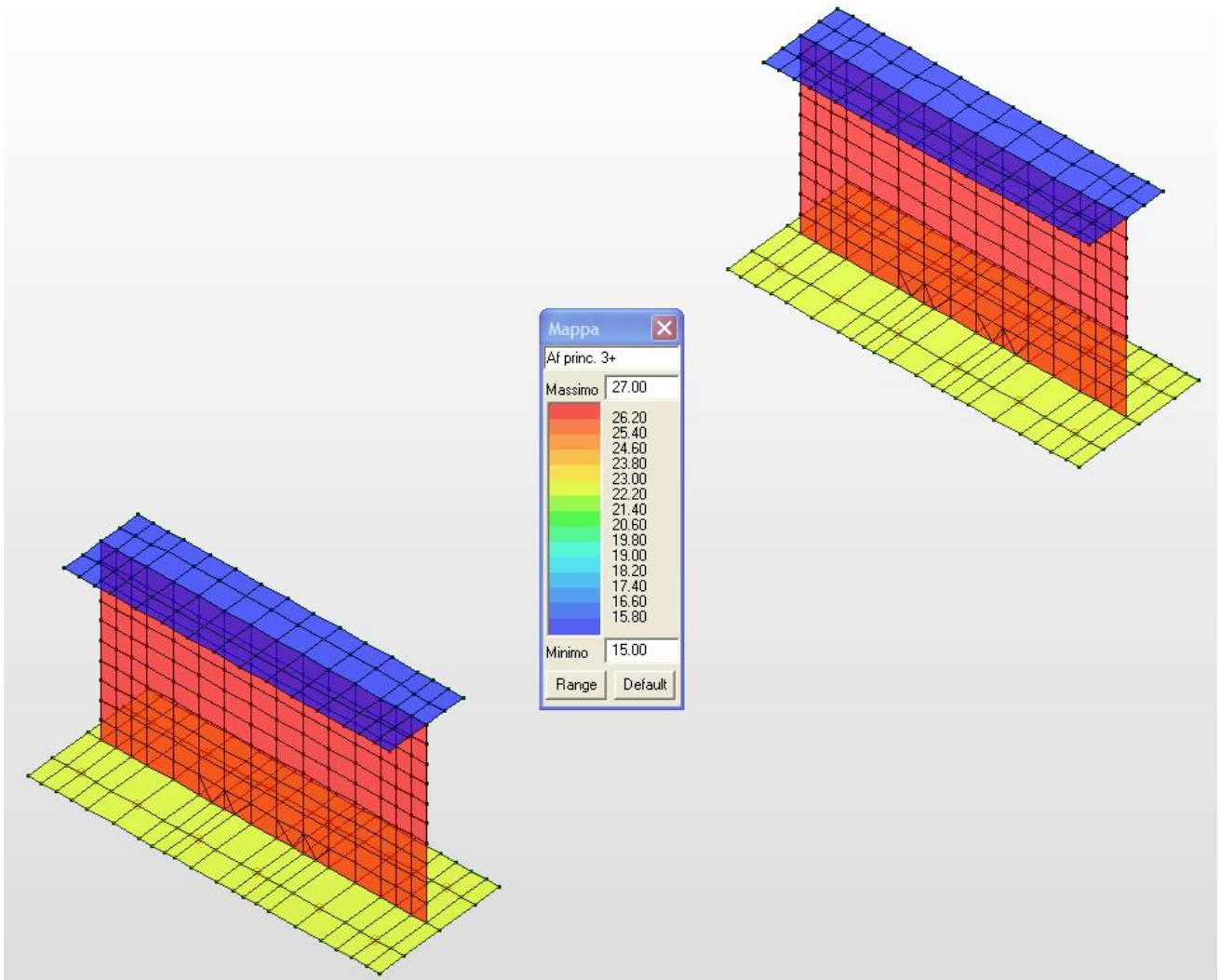
La verifica viene condotta secondo la norma CNR 10037.

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

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

Af princ. 3+

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



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

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

dove:

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

Dalle analisi svolte si ottengono le seguenti armature:

PLATEA

Si esegue la verifica con

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

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

Armatura superiore $A_s = 4908.7 \text{ mm}^2$, (1Ø25 passo 10cm, ossia 10Ø25/m)

Armatura inferiore $A'_s = 4908.7 \text{ mm}^2$, (1Ø25 passo 10cm, ossia 10Ø25/m)

FUSTO PILA

Si esegue la verifica con

$H = 1.80 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$, $R_{ck} = 35 \text{ MPa}$

Armatura minima $A_{s\min} = 2882.87 \text{ mm}^2$

Armatura superiore $A_s = 3141.59 \text{ mm}^2$, (1Ø20 passo 10cm, ossia 10Ø20/m)

Armatura inferiore $A'_s = 3141.59 \text{ mm}^2$, (1Ø20 passo 10cm, ossia 10Ø20/m)

PULVINO

Si esegue la verifica con

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

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

Armatura superiore $A_s = 3141.59 \text{ mm}^2$, (1Ø20 passo 10cm, ossia 10Ø20/m)

Armatura inferiore $A'_s = 3141.59 \text{ mm}^2$, (1Ø20 passo 10cm, ossia 10Ø20/m)

8. PALI

8.1 Determinazione delle sollecitazioni sui singoli pali

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

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

Si assumono come sollecitazioni di verifica strutturale quella che associa al massimo momento flettente il relativo valore di sforzo assiale e tagliante:

$M_{max}=158.92\text{kNm}$ $N=618.33\text{kN}$ $H=58\text{kN}$

Per la verifica di portanza dei pali si considera la combinazione di carico che fornisce il massimo sforzo assiale, ovvero $N= 1706.32\text{kN}$.

8.2 Capacità Portante dei pali

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

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

$$P = P_L + P_p$$

essendo: P_L = portata laterale P_p = portata alla punta

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

Il calcolo della portata laterale è valutato come:

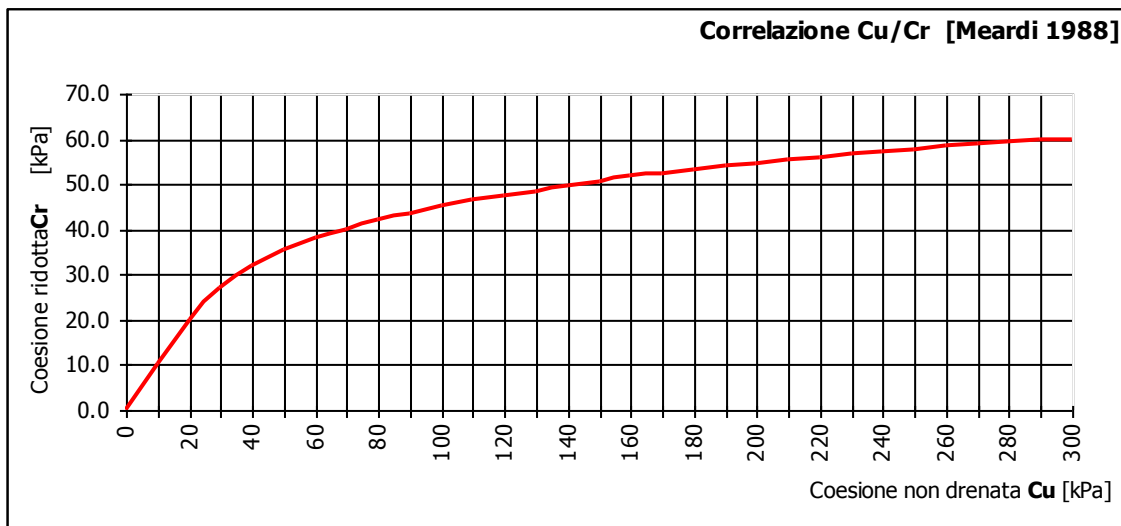
$$P_L = \sum f_{si} \cdot A_L \cdot C_s$$

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

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

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

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



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

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

Parametri geometrici

Diametro palo	D = 1000 [mm]	Peso palo	345.6 [kN]
Area laterale palo	A_L = 3.1 [m/m]	Lunghezza perforazione	L_p = 28.0 [m]
Area sezione palo	A_I = 0.79 [m ²]	Lunghezza netta palo	L = 28.0 [m]
Perforazione a vuoto	H_v = 0.0 [m]		
Profondità falda da p.c.	H_F = 2.0 [m]	Carico verticale massimo	N_{max} = 1708.0 [kN]
Combinazione	2	Approccio 1 Combinazione 2	
Coeff. Parziale Per portata laterale	γ_s = 1.45		
Coeff. Parziale Per portata di punta	γ_b = 1.70		
Fattore di correlazione	ξ = 1.7		
Cedimento ammissibile	S_b = 35.0 [mm]		

Portata laterale [Reese 1976, Meardi 1988]

	Spess. strato	Fondo strato	γ	γ'	σ' _{vz}	C _u	C _r	φ'	K	f' _{si}	f'' _{si}	f _{si}
	[m]	[m]	[kN/m ³]	[kN/m ³]	[kPa]	[kPa]	[kPa]	[°]		[kN/m]	[kN/m]	[kN/m]
16												
1	5.0	5.0	19.00	9.00	65.0		0.00	30	0.70	84.46	0	84.46
2	10.0	15.0	19.00	9.00	155.0		0.00	30	0.50	254.03	0	254.03
3	13.0	28.0	19.00	9.00	272.0		0.00	33	0.50	720.97	0	720.97
4		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
5		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
6		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
7		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
8		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
9		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
10		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
11		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
12		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
13		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
14		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
15		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
16		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
17		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00
18		0.0		0.00	0.0		0.00		0.00	0.00	0	0.00

Portata totale laterale **P_L** = 2295.46 [kN]**Portata alla punta [Meyerof 1976]**

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

Strato alla punta	n° = 3
Terreno di tipo non coesivo	3
Angolo di attrito corrisp.	φ' = 27 [°]
	k = 1.000
	K_p = 2.663
Rapporto di profondità effettivo	L/D = 28.0
Rapporto per def tabella Meyerof	16
Rapporto di profondità critico	L_c/D = 4.70
	N_q = 17.546464
	N_c = 34.21306
	N_q/N_c = 0.5128586
	N'*_q = 37.980031
	N'*_c = 63.396674
	S'_q = 1.5095254
	S'_c = 1.5128586
	d'_q = 1.5564115
	d'_c = 1.4
	N'_q = 37.98
	N'_c = 63.40
Pressione limite	q = 50.00 [kPa]

Portata totale alla punta **P_p** = 854.24 [kN]**Portata alla punta [Berezantezev 1965,1970]
[Jamiołkowski 1983]**

Strato alla punta	n° = 3
Terreno di tipo non coesivo	FALSO
Angolo di attrito corrisp.	φ' = 27 [°]
	N*_q = 6.3091714
Pressione critica per L=L _c	σ_v = 272.00 [kPa]
Cedimento critico	S_c = 50.00 [mm]
Pressione critica per s _b = 0.05D	q_{cr} = 1716.1 [kPa]
Rapporto di cedimento effettivo	S_b/B = 0.04
Fattore di riduzione	q/q_{cr} = 0.84

Pressione limite **q_b** = 1435.74 [kPa]Portata totale alla punta **P_p** = 663.31 [kN]**Verifiche**Portata totale complessiva **P** = 1852.76 [kN] 1740.45 [kN]

1.08

1.02

8.3 Verifica a pressoflessione

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

Titolo : Pali di fondazione VI06-CAVALCAVIA DELLE COSTE

Sezione circolare cava

Raggio esterno: 500 [mm]
 Raggio interno: 0 [mm]
 N° barre uguali: 16
 Diametro barre: 20 [mm]
 Copriferro (baric.): 80 [mm]

N° barre: 1 Zoom

N°	As [mm²]	x [mm]	y [mm]
1	314	400	0

Tipo Sezione

Rettan.re Trapezi
 a T Circolare
 Rettangoli Coord.

Sollecitazioni

S.L.U. Metodo n

N_{Sd}: 620 0 kN
 M_{xSd}: 160 0 kNm
 M_{ySd}: 0 0

P.to applicazione N

Centro Baricentro cls
 Coord.[mm] xN: 0 yN: 0

Tipo rottura
Lato calcestruzzo - Acciaio snervato

Metodo di calcolo

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

Tipo flessione

Retta Deviata

Vertici: 50 N° rett. 100

Calcola MRd Dominio M-N

L₀: 0 mm Col. modello

Precompresso

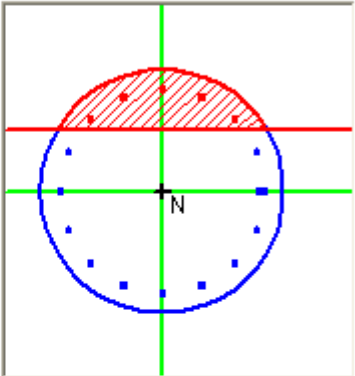
Materiali

FeB44k C25/30

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

M_{xRd}: 957.7 kN m

σ_c : -13.29 N/mm²
 σ_s : 373.9 N/mm²
 ϵ_c : 3.500 ‰
 ϵ_s : 9.388 ‰
 d: 920.0 mm
 x: 249.8 x/d: 0.2716
 δ : 0.7795



8.4 Verifica a taglio

Sollecitazioni:

$$V_u = 955.00 \text{ kN}$$

Si esegue la verifica con:

$$H = 1.056 \text{ m} , \text{ larghezza reagente a taglio, } B = 1.056 \text{ m} , c = 80 \text{ mm}$$

$$\text{Area staffe, } A_{st} = 414.69 \text{ mm}^2, (1\varnothing 10 \text{ passo } 20 \text{ cm})$$

Risultati:

$$\text{Resistenza limite a taglio per sezioni non armate, } V_{lim} = 531.55 \text{ kN} < V_u$$

Armatura a taglio necessaria

$$\text{Resistenza limite biella compressa, } V_{cdc} = 4701.80 \text{ kN}$$

$$\text{Resistenza limite taglio trazione, } V_{wd} + V_{cd} = 2020.90 \text{ kN}$$

$$\text{Entrambe } > V_u$$

9. IMPALCATO STRADALE

9.1 Modalità di costruzione dell'impalcato

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

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

Si distinguono due fasi successive di lavoro:

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

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

9.2 Modalità di costruzione delle travi

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

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

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

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

9.3 Dati geometrici dell'impalcato

Luce di calcolo	2850.000cm
Larghezza cordolo sinistro	150.000cm
Larghezza carreggiata	950.000cm
Larghezza cordolo destro	150.000cm
Larghezza fuori tutto	1250.000cm
Tipo travi	V160
Larghezza sezione	250cm
Numero travi	4
Interasse travi	300.000cm
Spessore medio soletta	25.000cm
Spessore minimo soletta	20.000cm
Luce di calcolo soletta	300.000cm
Spessore medio cordoli	15.000cm
Spessore pavimentazione	10.000cm

9.4 Caratteristiche dei materiali

9.4.1 Calcestruzzo per le travi prefabbricate:

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

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

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

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

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

9.4.3 Acciaio per c.a.p.:

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

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

9.4.4 Acciaio FeB44K

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

Costituisce inoltre l'armatura della soletta e dei traversi.

9.5 Metodo e ipotesi di calcolo

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

FASE 1

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

1° QUOTA DI CADUTA DI TENSIONE

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

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

FASE 2

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

2° QUOTA DI CADUTA DI TENSIONE

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

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

FASE 3

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

3° QUOTA DI CADUTA DI TENSIONE

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

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

FASE 4

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

FASE 5

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

9.6 Risoluzione del sistema elastico e sollecitazioni

Si distinguono due macrofasi:

- macrofase 1 in cui la sezione reagente è costituita dalla sola trave (comprende le fasi 1 e 2); in questo caso i carichi vengono applicati alla trave isolata di competenza nello schema statico di trave semplicemente appoggiata.
- macrofase 2 in cui la sezione reagente è costituita dalla trave+soletta; in questo caso il calcolo della ripartizione dei carichi permanenti portati e dei carichi mobili viene esaminato con un reticolo del tipo *Grid Frame*.

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

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

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

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

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

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

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

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

MACROFASE 1

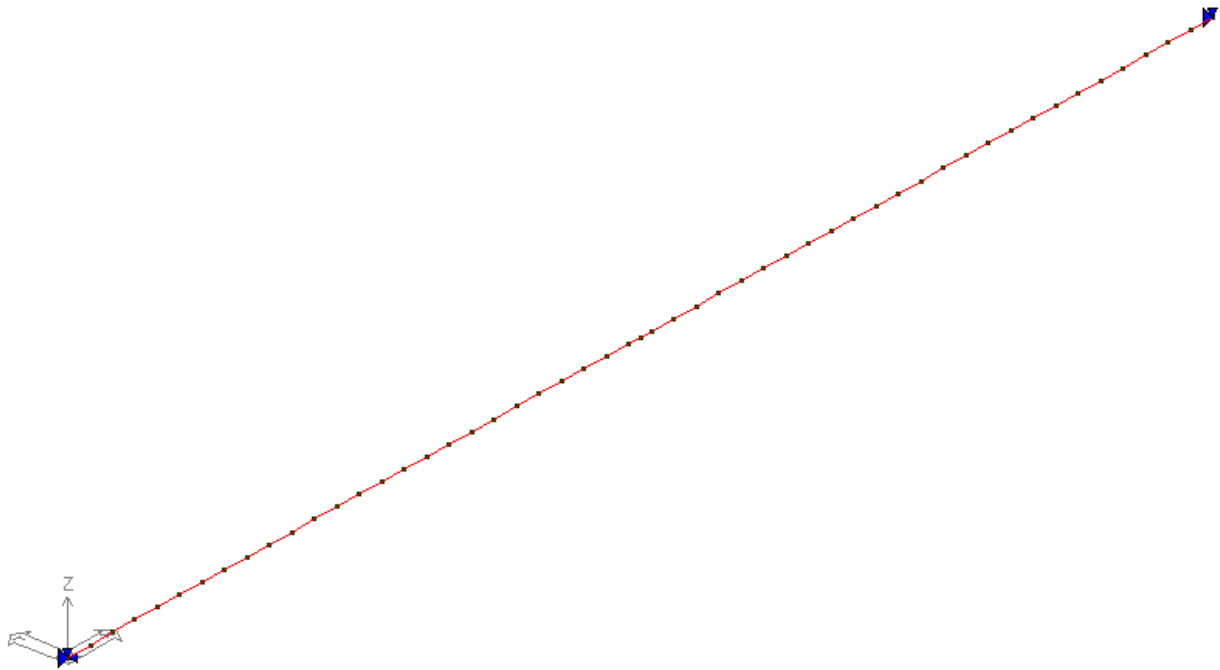


fig. 9.6.1 Schema unifilare

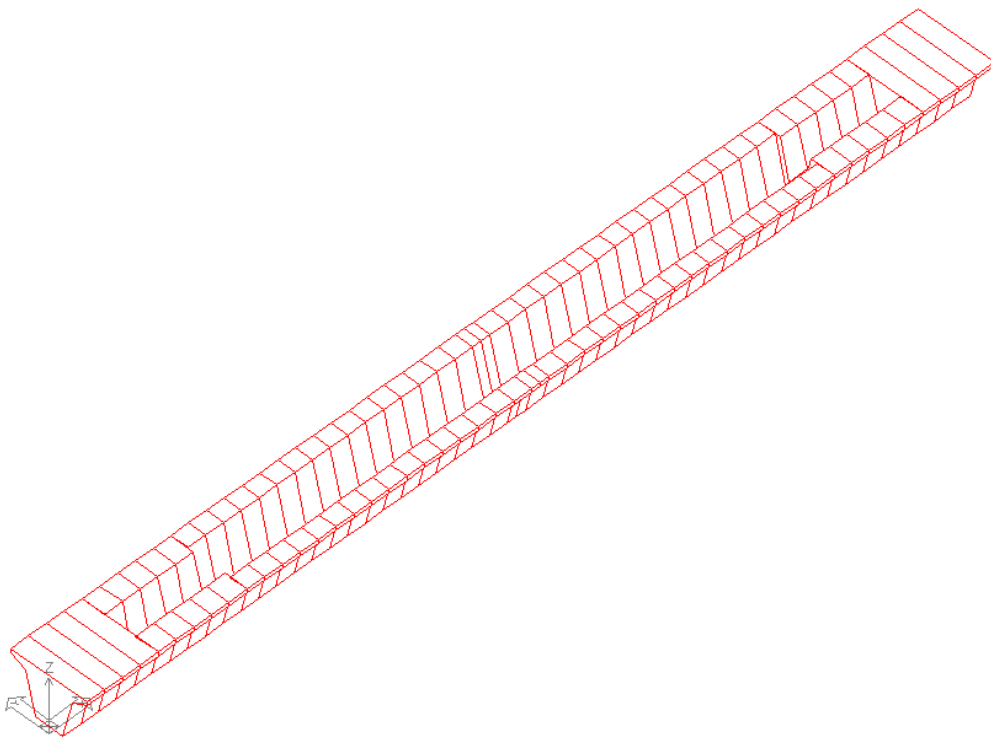
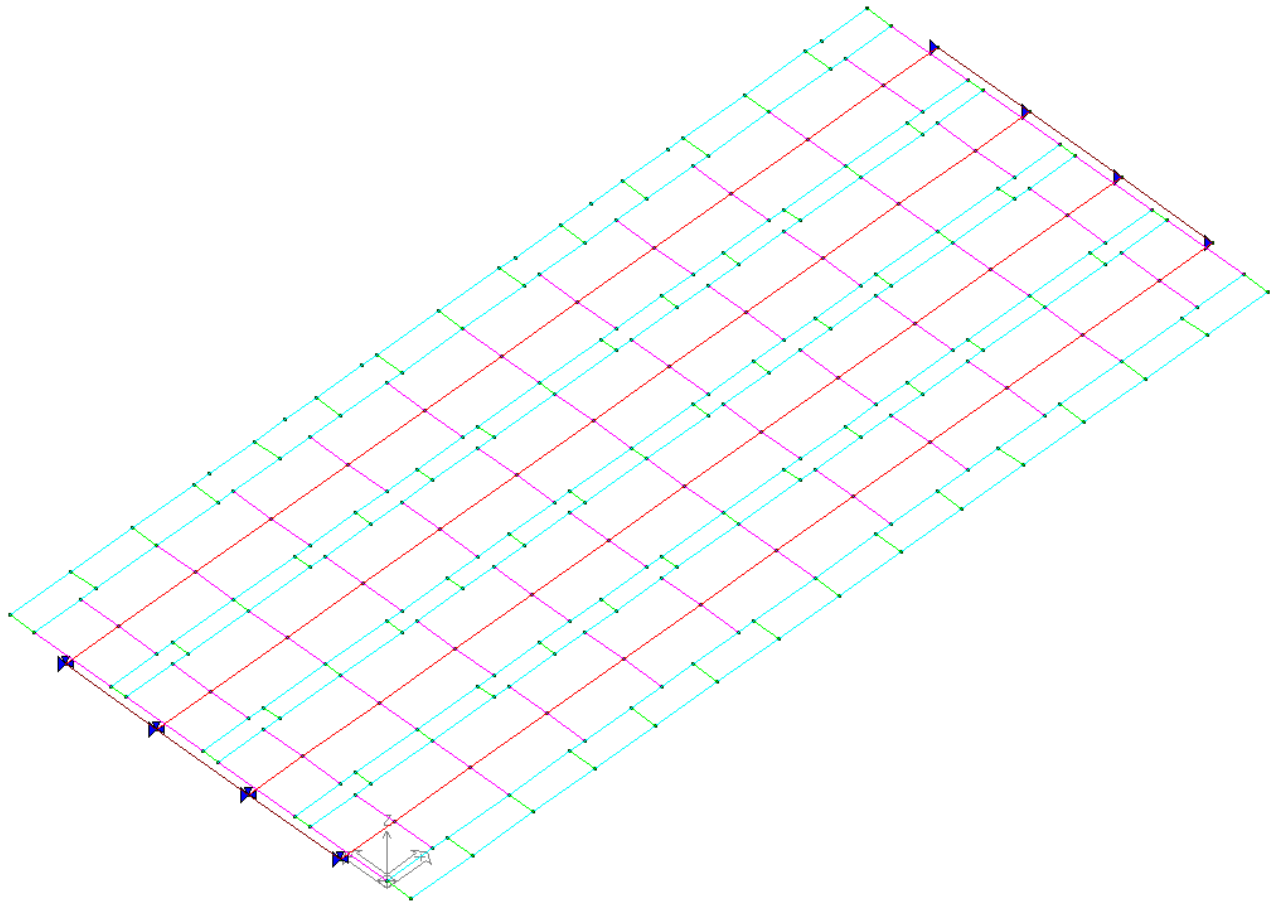


fig. 9.6.2 Vista tridimensionale della trave

MACROFASE 2fig. 9.6.3 Modello tipo *Grid Frame* dell'impalcato

9.7 Sezioni

MACROFASE 1

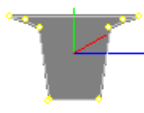
- Sezione di appoggio

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

Analisi resistenza al fuoco

Unita' in cm

V160_APOGGIO



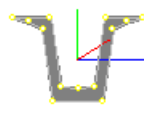
- Sezione di transizione

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

Analisi resistenza al fuoco

Unita' in cm

V160_TRANSIZIONE



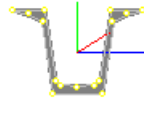
- Sezione in mezzeria

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

Analisi resistenza al fuoco

Unita' in cm

V160_MEZZERIA



MACROFASE 2

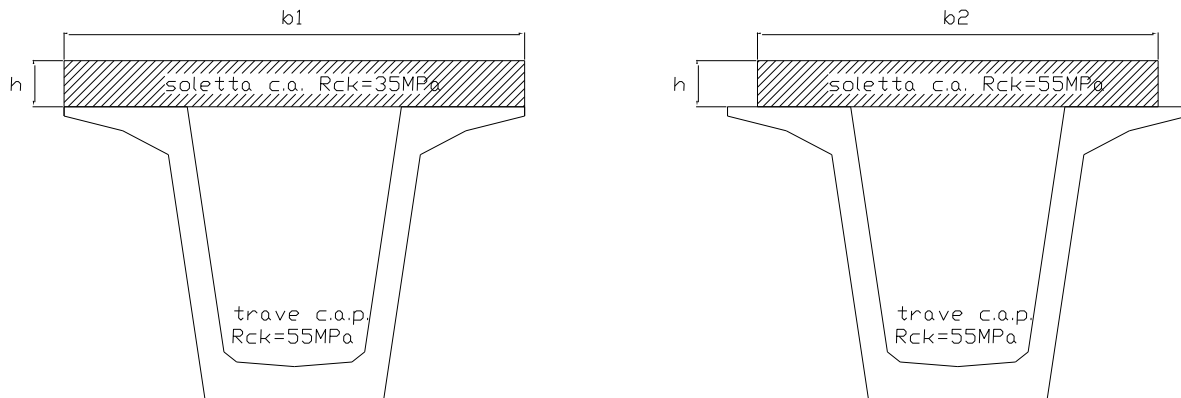
- Sezione trave + soletta

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

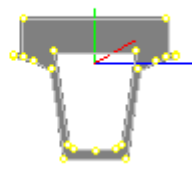
$$E_{cm} = 22000 \cdot \sqrt[3]{\frac{f_{cm}}{10}} \quad f_{cm} = f_{ck} + 8 \quad f_{ck} = 0.83R_{ck}$$

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

Il coefficiente n_c vale pertanto 0.8839.



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



Usa per acciaio-legno

Copia Incolla

Annulla Esci

Applica 1 | ▾

9.8 Sollecitazioni sulle travi prefabbricate

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

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

Si sono così ottenute le sollecitazioni riportate nella tabella seguente:

CAVALCAVIA DELLE COSTE V160	M (kNm)		N (kN)		V (kN)		T (kNm)	
	appoggio	mezzeria	appoggio	mezzeria	appoggio	mezzeria	appoggio	mezzeria
Fase 1	0	2066.66	0	0	344.62	0	0	0
Fase 2	0	1432.34	0	0	140.38	0	0	0
Fase 3	15.21	723.54	0	0	63.77	-7.17	-10.27	1.41
Fase 4	14.4	3347.43	34.44	-14.32	409.1	189.15	-52.46	10.57
Fase 5	42.26	10327.99	46.49	-19.33	1302.69	244.60	-86.226	16.3845

9.9 Verifica della trave prefabbricata

9.9.1 Caratteristiche geometriche della sezione trasversale

Sezione descritta per punti

Coordinate dei vertici della sezione

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

(*) = vertici del profilo di 2° fase

9.9.2 Descrizione dell'armatura

Armatura normale

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

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φ 16.0 mm; X = 205.00 cm	Y = 160.00 cm	
φ 16.0 mm; X = 190.00 cm	Y = 160.00 cm	
φ 20.0 mm; X = 79.42 cm	Y = 18.16 cm	
φ 20.0 mm; X = 74.54 cm	Y = 48.77 cm	
φ 20.0 mm; X = 69.43 cm	Y = 79.83 cm	
φ 20.0 mm; X = 63.22 cm	Y = 119.31 cm	
φ 20.0 mm; X = 58.12 cm	Y = 151.03 cm	
φ 20.0 mm; X = 170.58 cm	Y = 18.16 cm	
φ 20.0 mm; X = 175.46 cm	Y = 48.77 cm	
φ 20.0 mm; X = 180.57 cm	Y = 79.83 cm	
φ 20.0 mm; X = 186.78 cm	Y = 119.31 cm	
φ 20.0 mm; X = 191.88 cm	Y = 151.03 cm	
φ 14.0 mm; X = 25.00 cm	Y = 195.00 cm	(*)
φ 16.0 mm; X = 25.00 cm	Y = 178.00 cm	(*)
φ 14.0 mm; X = 45.00 cm	Y = 195.00 cm	(*)
φ 14.0 mm; X = 65.00 cm	Y = 195.00 cm	(*)
φ 14.0 mm; X = 85.00 cm	Y = 195.00 cm	(*)
φ 14.0 mm; X = 105.00 cm	Y = 195.00 cm	(*)
φ 14.0 mm; X = 125.00 cm	Y = 195.00 cm	(*)
φ 14.0 mm; X = 145.00 cm	Y = 195.00 cm	(*)
φ 14.0 mm; X = 165.00 cm	Y = 195.00 cm	(*)
φ 14.0 mm; X = 185.00 cm	Y = 195.00 cm	(*)
φ 14.0 mm; X = 205.00 cm	Y = 195.00 cm	(*)
φ 14.0 mm; X = 225.00 cm	Y = 195.00 cm	(*)
φ 16.0 mm; X = 45.00 cm	Y = 178.00 cm	(*)
φ 16.0 mm; X = 65.00 cm	Y = 178.00 cm	(*)
φ 16.0 mm; X = 85.00 cm	Y = 178.00 cm	(*)
φ 16.0 mm; X = 105.00 cm	Y = 178.00 cm	(*)
φ 16.0 mm; X = 125.00 cm	Y = 178.00 cm	(*)
φ 16.0 mm; X = 145.00 cm	Y = 178.00 cm	(*)
φ 16.0 mm; X = 165.00 cm	Y = 178.00 cm	(*)
φ 16.0 mm; X = 185.00 cm	Y = 178.00 cm	(*)
φ 16.0 mm; X = 205.00 cm	Y = 178.00 cm	(*)
φ 16.0 mm; X = 225.00 cm	Y = 178.00 cm	(*)

(*) = tondi nel getto di 2° fase

Area armatura normale del profilo di 1° fase = 51.5 (cm²)
 Ascissa X del baricentro armatura normale = 125.0 (cm)
 Ordinata Y del baricentro armatura normale = 115.6 (cm)

Area armatura normale del profilo di 2° fase = 90.6 (cm²)
 Ascissa X del baricentro armatura normale = 125.0 (cm)
 Ordinata Y del baricentro armatura normale = 145.7 (cm)

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Armatura pretesa aderente

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

Area armatura pretesa aderente = 58.4 (cm²)

Ascissa X del baricentro armatura pretesa = 125.0 (cm)

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Ordinata Y del baricentro armatura pretesa = 41.2 (cm)

Profilo di 1° fase - sezione di solo calcestruzzo

Area della sezione = 7459.90 (cm²)
 Ascissa X del baricentro sezione = 125.0 (cm)
 Ordinata Y del baricentro sezione = 94.3 (cm)
 Momento d'Inerzia principale massimo = 26031110.00 (cm⁴)
 Momento d'Inerzia principale minimo = 24374630.00 (cm⁴)
 Semidiametro maggiore dell'ellisse d'Inerzia = 59.1 (cm)
 Semidiametro minore dell'ellisse d'Inerzia = 57.2 (cm)
 Inclinazione diametro maggiore sull'asse X = 0.0 deg.
 Momento d'inerzia baricentrico secondo X = 24374630.00 (cm⁴)
 Momento d'inerzia baricentrico secondo Y = 26031120.00 (cm⁴)

Profilo di 1° fase - sezione con armatura omogeneizzata

Area della sezione = 8009.41 (cm²)
 Ascissa X del baricentro sezione = 125.0 (cm)
 Ordinata Y del baricentro sezione = 93.0 (cm)
 Momento d'Inerzia principale massimo = 27400980.00 (cm⁴)
 Momento d'Inerzia principale minimo = 26640090.00 (cm⁴)
 Semidiametro maggiore dell'ellisse d'Inerzia = 58.5 (cm)
 Semidiametro minore dell'ellisse d'Inerzia = 57.7 (cm)
 Inclinazione diametro maggiore sull'asse X = 0.0 deg.
 Momento d'inerzia baricentrico secondo X = 26640090.00 (cm⁴)
 Momento d'inerzia baricentrico secondo Y = 27400990.00 (cm⁴)
 Coefficiente d'omogeneizzazione dell'armatura = 6

Profilo di 2° fase - sezione di solo calcestruzzo

Area della sezione = 12984.28 (cm²)
 Ascissa X del baricentro sezione = 125.0 (cm)
 Ordinata Y del baricentro sezione = 133.7 (cm)
 Momento d'Inerzia principale massimo = 51832650.00 (cm⁴)
 Momento d'Inerzia principale minimo = 48510710.00 (cm⁴)
 Semidiametro maggiore dell'ellisse d'Inerzia = 63.2 (cm)
 Semidiametro minore dell'ellisse d'Inerzia = 61.1 (cm)
 Inclinazione diametro maggiore sull'asse X = 90.0 deg.
 Momento d'inerzia baricentrico secondo X = 51832650.00 (cm⁴)
 Momento d'inerzia baricentrico secondo Y = 48510710.00 (cm⁴)

Profilo di 2° fase - sezione con armatura omogeneizzata

Area della sezione = 13729.04 (cm²)
 Ascissa X del baricentro sezione = 125.0 (cm)
 Ordinata Y del baricentro sezione = 132.1 (cm)
 Momento d'Inerzia principale massimo = 56252240.00 (cm⁴)
 Momento d'Inerzia principale minimo = 50661560.00 (cm⁴)
 Semidiametro maggiore dell'ellisse d'Inerzia = 64.0 (cm)
 Semidiametro minore dell'ellisse d'Inerzia = 60.7 (cm)

Inclinazione diametro maggiore sull'asse X = 90.0 deg.
 Momento d'inerzia baricentrico secondo X = 56252240.00 (cm⁴)
 Momento d'inerzia baricentrico secondo Y = 50661560.00 (cm⁴)
 Coefficiente d'omogeneizzazione dell'armatura = 6

9.9.3 Verifica della sezione precompressa

Caratteristiche Fisico-Elastiche dei materiali

Modulo Elastico acciaio normale = 206000.0 (N/mm²)
 Modulo Elastico acciaio preteso aderente = 195000.0 (N/mm²)
 Modulo Elastico calcestruzzo = 42213.7 (N/mm²)
 Resistenza cubica del calcestruzzo: R_{ck} = 55.00 (N/mm²)
 Coefficiente di caduta per ritiro = 0.0300 %
 Coefficiente di caduta per fluage = 2.4000 %
 Rilassamento a tempo infinito acciaio aderente = 2.5 %

Convenzioni di segno

Sono positive le trazioni
 Sono positivi i momenti orari
 Coefficiente d'omogeneizzazione dell'armatura = 6

Tensioni coattive iniziali nel calcestruzzo

(Profilo di 1° fase - sezione con armatura omogeneizzata)
 Tensione iniziale nell'armatura pretesa aderente = 1488.00 (N/mm²)
 Sforzo coattivo di precompressione = 8686.94 (KN)
 Momento X coattivo di precompressione = -4506.57 (KN.m)
 Momento Y coattivo di precompressione = -0.01 (KN.m)
 Nel baricentro sezione = -10.85 (N/mm²)
 Nel vertice n° 1 = 2.90 (N/mm²)

Effetti da Peso proprio

(Profilo di 1° fase - sezione con armatura omogeneizzata)
 Momento secondo X = 2067.00 (KN.m)
 Variazione di tensione nel vertice n° 1 = -6.31 (N/mm²)
 Tensioni Risultanti
 Nel vertice n° 1 = -3.40 (N/mm²)
 Tensione nel baricentro acciaio preteso aderente = -15.60 (N/mm²)
 Cadute da accorciamento elastico nell'acciaio aderente = 72.05 (N/mm²)

Cadute di tensione nel tempo (1° step)

(Profilo di 1° fase - sezione con armatura omogeneizzata)
 Tensione nel baricentro acciaio preteso aderente = -15.60 (N/mm²)
 Cadute di tensione da ritiro acciaio aderente (20%) = 11.70 (N/mm²)
 Cadute di tensione da fluage acciaio aderente (%) = 0.00 (N/mm²)
 Cadute di tensione da rilas. acciaio aderente (100%) = 36.47 (N/mm²)

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Sforzo coattivo di precompressione = -281.21 (KN)
 Momento X coattivo di precompressione = 145.88 (KN.m)
 Momento Y coattivo di precompressione = 1.271E-04 (KN.m)

Variazione di tensione nel vertice n° 1 = -0.09 (N/mm²)
 Tensioni Risultanti
 Nel vertice n° 1 = -3.50 (N/mm²)

Effetti da Getto Soletta

(Profilo di 1° fase - sezione con armatura omogeneizzata)
 Momento secondo X = 1433.00 (KN.m)
 Variazione di tensione nel vertice n° 1 = -4.37 (N/mm²)
 Tensioni Risultanti
 Nel vertice n° 1 = -7.87 (N/mm²)

Cadute di tensione nel tempo (2° step)

(Profilo di 2° fase - sezione con armatura omogeneizzata)
 Tensione nel baricentro acciaio preteso aderente = -12.17 (N/mm²)
 Cadute di tensione da ritiro acciaio aderente (40%) = 23.40 (N/mm²)
 Cadute di tensione da fluage acciaio aderente (50%) = 67.47 (N/mm²)
 Cadute di tensione da rilas. acciaio aderente (%) = 0.00 (N/mm²)
 Sforzo coattivo di precompressione = -530.47 (KN)
 Momento X coattivo di precompressione = 502.39 (KN.m)
 Momento Y coattivo di precompressione = 2.08E-04 (KN.m)
 Variazione di tensione nel vertice n° 1 = 0.01 (N/mm²)
 Tensioni Risultanti
 Nel vertice n° 1 = -7.86 (N/mm²)

Effetti da Permanenti

(Profilo di 2° fase - sezione con armatura omogeneizzata)
 Momento secondo X = 724.00 (KN.m)
 Variazione di tensione nel vertice n° 1 = -0.54 (N/mm²)
 Tensioni Risultanti
 Nel vertice n° 1 = -8.40 (N/mm²)

Cadute di tensione nel tempo (3° step)

(Profilo di 2° fase - sezione con armatura omogeneizzata)
 Tensione nel baricentro acciaio preteso aderente = -9.80 (N/mm²)
 Cadute di tensione da ritiro acciaio aderente (40%) = 23.40 (N/mm²)
 Cadute di tensione da fluage acciaio aderente (50%) = 54.34 (N/mm²)
 Cadute di tensione da rilas. acciaio aderente (%) = 0.00 (N/mm²)
 Cadute totali nell'acciaio aderente = 288.82 (N/mm²)
 Tensione finale nell'armatura pretesa aderente = 1199.18 (N/mm²)
 Sforzo coattivo di precompressione = -453.82 (KN)
 Momento X coattivo di precompressione = 419.15 (KN.m)
 Momento Y coattivo di precompressione = 1.851E-04 (KN.m)

Variazione di tensione nel vertice n° 1 = 1.591E-02 (N/mm²)

Tensioni Risultanti

Nel vertice n° 1 = -8.39 (N/mm²)

Tensioni coattive finali nel calcestruzzo

Nel baricentro sezione = -9.78 (N/mm²)

Nel vertice n° 1 = 2.83 (N/mm²)

Effetti da Accidentali

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

Sforzo Normale = -14.50 (KN)

Momento secondo X = 3348.00 (KN.m)

Variazione di tensione nel vertice n° 1 = -2.52 (N/mm²)

Tensioni Risultanti

Nel vertice n° 1 = -10.91 (N/mm²)

Massimo momento d'esercizio: $M_x = 7572.00$ (KN.m)

Momento di fessurazione: $M_{fx} = 10715.51$ (KN.m)

Calcestruzzo: resistenza alla trazione = 4.67 (N/mm²)

Sicurezza alla fessurazione secondo X = 1.415

9.9.4 Verifica a taglio

VERIFICA DELLA FIBRA POSIZIONATA A 112.6 cm DA INTRADOSSO

(fibra baricentrica)

Larghezza della fibra = 28.3 cm

Tensioni Principali in esercizio

Tagli operanti sul profilo di 2° fase

Rapporto J/S = 145.7 cm

Taglio da carichi esterni = -190.00 (KN)

Tensione tangenziale $\tau = -0.46$ (N/mm²)

Sommatoria tensioni $\Sigma\tau = -0.46$ (N/mm²)

Tensione Normale $\sigma_x = -7.43$ (N/mm²)

Tensione Principale $\sigma_I = [\sigma_x + \sqrt{(\sigma_x^2 + 4 \cdot \tau^2)}] / 2 = 0.03$ (N/mm²)

Tensione Principale $\sigma_{II} = [\sigma_x - \sqrt{(\sigma_x^2 + 4 \cdot \tau^2)}] / 2 = -7.46$ (N/mm²)

VERIFICA DELLA FIBRA POSIZIONATA A 41.3 cm DA INTRADOSSO

(fibra in cui insorge la massima tensione principale σ_I)

Larghezza della fibra = 28.3 cm

Tensioni Principali in esercizio

Tagli operanti sul profilo di 2° fase

Rapporto J/S = 208.1 cm

Taglio da carichi esterni = -190.00 (KN)

$$\text{Tensione tangenziale } \tau = -0.32 \text{ (N/mm}^2\text{)}$$

$$\text{Sommatore tensioni } \Sigma\tau = -0.32 \text{ (N/mm}^2\text{)}$$

$$\text{Tensione Normale } \sigma_x = -3.41 \text{ (N/mm}^2\text{)}$$

$$\text{Tensione Principale } \sigma_I = [\sigma_x + \sqrt{(\sigma_x^2 + 4 \cdot \tau^2)}] / 2 = 0.03 \text{ (N/mm}^2\text{)}$$

$$\text{Tensione Principale } \sigma_{II} = [\sigma_x - \sqrt{(\sigma_x^2 + 4 \cdot \tau^2)}] / 2 = -3.44 \text{ (N/mm}^2\text{)}$$

VERIFICA DELLA FIBRA POSIZIONATA A 169.3 cm DA INTRADOSSO

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

Larghezza della fibra = 135.2 cm

Tensioni Principali in esercizio

Tagli operanti sul profilo di 2° fase

Rapporto J/S = 164.5 cm

Taglio da carichi esterni = -190.00 (KN)

Tensione tangenziale $\tau = -0.09 \text{ (N/mm}^2\text{)}$

Sommatore tensioni $\Sigma\tau = -0.09 \text{ (N/mm}^2\text{)}$

Tensione Normale $\sigma_x = -10.62 \text{ (N/mm}^2\text{)}$

$$\text{Tensione Principale } \sigma_I = [\sigma_x + \sqrt{(\sigma_x^2 + 4 \cdot \tau^2)}] / 2 = 6.863E-04 \text{ (N/mm}^2\text{)}$$

$$\text{Tensione Principale } \sigma_{II} = [\sigma_x - \sqrt{(\sigma_x^2 + 4 \cdot \tau^2)}] / 2 = -10.62 \text{ (N/mm}^2\text{)}$$

Massima armatura richiesta nella fibra posta a 41.3 cm da intrad.

Armatura ($\sigma_I \cdot b / \sigma_s$): $A_s = 3.9 \text{ cm}^2/\text{m}$ ($\sigma_s = 22$)

9.9.5 Verifica a scorrimento trave/soletta superiore

VERIFICA DELLA FIBRA POSIZIONATA A 174.3 cm DA INTRADOSSO

Larghezza della fibra = 133.7 cm

Tagli operanti sul profilo di 2° fase

Rapporto J/S = 179.9 cm

Taglio da carichi esterni = -190.00 (KN)

Tensione tangenziale $\tau = -0.08 \text{ (N/mm}^2\text{)}$

Armatura ($\tau \cdot b / \sigma_s$): $A_s = -70.4 \text{ cm}^2/\text{m}$ ($\sigma_s = 15$)

9.9.6 Metodo semiprobabilistico - verifiche a rottura

Caratteristiche Fisico-Elastiche dei materiali

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Modulo Elastico acciaio normale = 206000.0 (N/mm²)
 Modulo Elastico acciaio preteso aderente = 195000.0 (N/mm²)
 Modulo Elastico calcestruzzo = 42213.7 (N/mm²)
 Resistenza cubica del calcestruzzo: R_{ck} = 55.00 (N/mm²)
 Soglia di snervamento acciaio normale: F_{yk} = 450.00 (N/mm²)
 Soglia di snervamento acciaio preteso aderente : F_{pk} = 1850.00 (N/mm²)

Ipotesi di calcolo

Legge costitutiva del calcestruzzo : Parabola Rettangolo
 Accorciamento ultimo a flessione = 0.3500 %
 Accorciamento ultimo a compress. = 0.2000 %
 Legge costitutiva dell'acciaio normale : Bilineare
 Allungamento ultimo acciaio normale = 1.000 %
 Legge costitutiva dell'acciaio preteso : Bilineare
 Allungamento ultimo acciaio preteso = 1.000 %
 Coefficiente di sicurezza calcestruzzo : γ_c = 1.600
 Coefficiente di sicurezza acciaio : γ_s = 1.150
 Termine di lunga durata : F_1 = 0.850
 Rapporto R_{cyl}/R_{cubo} : F_2 = 0.830
 Resistenza di progetto calcestruzzo : $F_1 \cdot F_2 \cdot R_{cubo} / \gamma_c = 0.44R_{cubo}$
 Resistenza di progetto dell'acciaio : $F_{sd} = F_{yk} / \gamma_s = 0.87F_{yk}$

Resistenze di progetto

Calcestruzzo = 24.25 (N/mm²)
 Acciaio normale = 391.30 (N/mm²)
 Acciaio preteso aderente = 1608.70 (N/mm²)

Convenzioni di segno

Sono positive le trazioni
 Sono positivi i momenti orari

Acciaio Preteso; Allungamento alla Decompressione

Acciaio del tipo aderente = 0.6547 %

Condizione di carico n° 1

Momento di progetto M_{xd} = 10328.00 (KN.m)
 Momento di progetto M_{yd} = 0.00 (KN.m)
 Sforzo di progetto N_d = -19.50 (KN)
 (sollecitazioni operanti sul profilo di 2° fase)
 Momento di rottura M_{xr} = 15147.97 (KN.m)
 Momento di rottura M_{yr} = 3.658E-03 (KN.m)
 Sforzo di rottura N_r = -17.22 (KN)
 Rottura nel Dominio 2
 Distanza asse neutro dal tondo n° 11 = 152.5 (cm)
 Distanza asse neutro dal vertice 21 = 28.6 (cm)
 Inclinazione dell'asse neutro sull'asse X = 0.00 (deg.)

Sicurezza a rottura $M_{xr}/M_{xd} = 1.467$

10. MURO DI CONTENIMENTO

La geometria dei manufatti in oggetto è riportata in figura 10-1 :

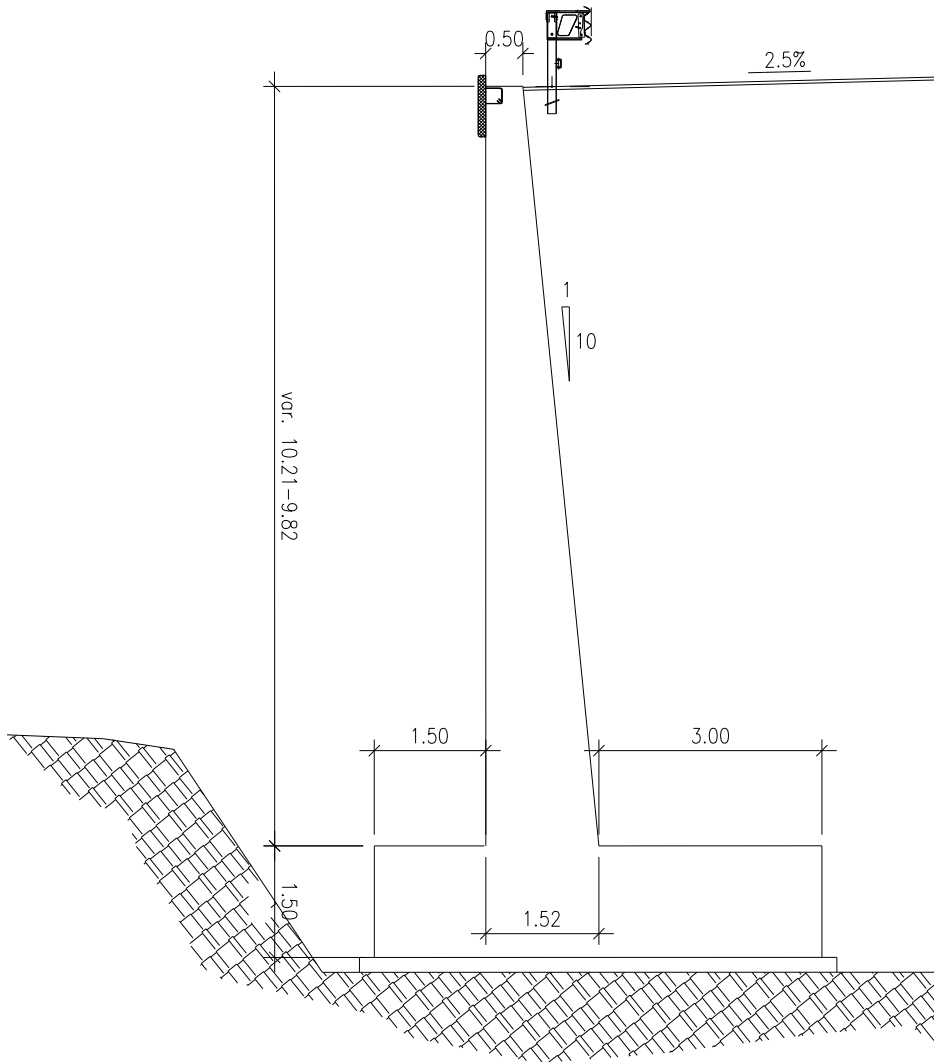


Figura 10-1 – Geometria della sezione tipo

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Muro di sostegno - VI06

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

Coefficients parziali per verifiche di equilibrio limite globale (EQU)

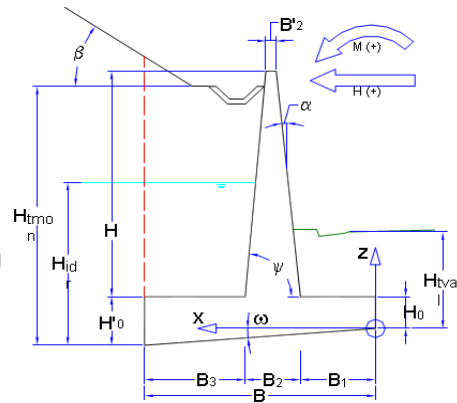
Azioni permanenti (sfavorevoli)	1.1
Azioni permanenti (favorevoli)	0.9
Azioni accidentali (sfavorevoli)	1.5
Azioni accidentali (favorevoli)	0
Angolo di attrito interno ($\tan \phi$)	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Peso di volume	1

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

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

Parametri geometrici della sezione

Altezza netta paramento	H = 10.20 [m]
Spessore fondazione valle	H ₀ = 1.50 [m]
Spessore fondazione monte	H' ₀ = 1.50 [m]
Inclinazione piano di posa fondazione	$\omega = 0.00^\circ$ 0%
Larghezza totale fondazione	B = 6.00 [m]
Sbalzo anteriore fondazione	B ₁ = 3.00 [m]
Spessore paramento in sommità	B' ₂ = 0.50 [m]
Spessore paramento alla base	B ₂ = 1.50 [m]
Sbalzo posteriore fondazione	B ₃ = 1.50 [m]
Inclinaz. parete Interna (sull'orizzontale)	$\psi = 84.40^\circ$ 9.8%
Inclinaz. parete Esterna (sulla verticale)	$\alpha = 0.00^\circ$
Peso specifico muro	$\gamma_m = 25.00$ [kN/m ³]
Sviluppo totale fondazione	L = 5.00 [m]
Altezza taglie	H _{ta} = 0.00 [m]
Altezza terreno a monte	H _{tmonte} = 11.50 [m]
Altezza terreno a monte (a filo ciabatta post)	H' _{tmonte} = 11.50 [m]
Altezza terreno a valle	H _{tvalle} = 3.00 [m]
Altezza della falda	H _{idr} = 0.00 [m]

**Carichi permanenti**

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

Carichi accidentali

Sovraccarico sul terreno	Q _{acc} = 20 [kN/m ²]
Distanza di applicazione dal testa muro	d _{Qacc} = 0 [m]
Azione verticale concentrata in sommità	V _{acc} = 0 [kN] Positiva verso il basso
Azione orizzontale concentrata in sommità	H _{acc} = -45 [kN] Positivo se stabilizzante
Momento concentrato in sommità	M _{acc} = 0 [kNm] Positivo se stabilizzante

Caratteristiche terreno a tergo

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

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Careatteristiche terreno di fondazione

Peso specifico	$\gamma_{tbase} = 19.00$ [kN/m ³]
Peso specifico efficace	$\gamma'_{tbase} = 19.00$ [kN/m ³]
Ang. attrito interno (in cond. drenate)	$\Phi'_{tbase} = 30.00^\circ$
	$\tan(\Phi'_{tbase}) = 0.5774$
Fattore di profondità di Hansen	$k = 0.50$
Coesione non drenata	$c_{ubase} = 0.00$ [kN/m ²]
Coesione drenata	$c'_{base} = 0.00$ [kN/m ²]
Coeff. di attr. terreno-fondaz.	$Fs_{base} = 0.58$

Parametri sismici secondo NTC2008

Vita nominale	$V_n = 50$ [anni]
Classe d'uso	IV
Tipo di verifica allo stato limite ultimo	SLV
Tempo di ritorno atteso	$T_r = 949$ [anni]
Fattore di amplificazione spettrale	$F_o = 2.55$
Accelerazione orizzontale dello spettro elast	$a_y/g = 0.099$
Categoria di sottosuolo	C
Categoria topografica	T1
Coefficiente di amplificazione topografica	$S_T = 1$
Coefficiente di sottosuolo	$S_S = 1.500$
Coefficiente di suolo	$S = 1.500$
Accelerazione orizzontale massima	$a_{max}/g = 0.149$
Coefficiente di riduzione (tab.7.11.II)	$\beta = 0.24$
Coefficiente sismico orizzontale	$k_h = 0.036$
Coefficiente sismico verticale	$k_v = 0.018$
	$K_{A,E}^d = 0.37599$
	$K_{A,E}^* = 0.37599$

Analisi dei carichi

	<u>Paramento</u>	<u>Fondazione</u>
Volume paramento	$V_{par} = 10.20$ [m ³]	$V_{fond} = 9.00$ [m ³]
Peso paramento	$P_{par} = 255.00$ [kN]	$P_{fond} = 225.00$ [kN]
Ascissa baricentro	$Xg_{par} = 3.54$ [m]	$Xg_{fond} = 3.00$ [m]
Ordinata baricentro	$Zg_{par} = 5.75$ [m]	$Zg_{fond} = 0.75$ [m]
<u>Terreno</u>	<u>a monte su sbal. post.</u>	<u>a valle su sbal. ant.</u>
Volume	$V_{tmon} = 10.10$ [m ³]	$V_{val} = 4.50$ [m ³]
Peso	$P_{tmon} = 181.76$ [kN]	$P_{val} = 81.00$ [kN]
Ascissa baricentro	$Xg_{tmon} = 5.25$ [m]	$Xg_{val} = 1.50$ [m]
Ordinata baricentro	$Zg_{tmon} = 6.91$ [m]	$Zg_{val} = 2.25$ [m]
<u>Totale peso proprio</u>		
Peso	$RV_{pp} = 480.00$ [kN]	
Ascissa baricentro	$Xg_{pp} = 3.29$ [m]	
Ordinata baricentro	$Zg_{pp} = 3.41$ [m]	
Momento dovuto al peso proprio	$M_{pp} = 1578.12$ [kNm]	
<u>Totale peso del Terreno</u>		
Peso	$RV_{perm} = 262.76$ [kN]	
Ascissa baricentro	$Xg_{perm} = 4.09$ [m]	
Ordinata baricentro	$Zg_{perm} = 2.25$ [m]	
Momento dovuto al peso del Terreno	$M_{perm} = 1074.99$ [kNm]	
<u>Totale sovraccarichi permanenti</u>		
Risultante Sovraccarico distribuito	$RV_{sovr} = 0.00$ [kN]	
Ascissa punto di applicazione	$Xg_{sovr} = 4.76$ [m]	
Momento dovuto ai sovraccarichi perm.	$M_{sovr} = 0.00$ [kNm]	
<u>Totale sovraccarichi accidentali</u>		
Risultante Sovraccarico distribuito	$RV_{sovr} = 49.61$ [kN]	
Ascissa punto di applicazione	$Xg_{sovr} = 4.76$ [m]	
Momento dovuto ai sovraccarichi acc.	$M_{sovr} = 236.12$ [kNm]	

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Spinte sull'opera	Caso statico (GEO, STR)						Caso statico (EQU)	Caso dinamico (EQU)	Caso dinamico (GEO, STR)
	SLS	App#1, c#1	App#1, c#2	App#2	App#3	App#3			
Coeff. di spinta attiva (statica Muller-Bres:	K_a	0.287	0.287	0.353	0.287	0.353	0.353		
Coeff. di spinta passiva (statica Rankine)	K_p	3.690	3.690	2.912	3.690	2.912	2.912		
Coeff. di spinta passiva (statica Caquot-Ker:	K_p	3.695	3.695	2.888	3.695	2.888	2.888		
Coeff. di spinta passiva (Dinamica Mononobe (K_p							3.620	3.620
Quotaparte di spinta passiva presa in conto nel calcolo		25.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	#####
<u>Spinta dell'acqua lato monte (assimilato ad un accident</u>		SLS	App#1, c#1	App#1, c#2	App#2	App#3	Caso statico (EQU)	Caso dinamico (EQU)	
Risultante	RH_{H2O}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Ordinata baricentro	Zg_{H2O}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[m]
Momento	M_{H2O}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
<u>Spinta del terreno lato monte (perm sfavor.)</u>									
Risultante	R' terreno	-341.30	-443.69	-419.61	-443.69	-419.61	-419.61	-455.50	[kN]
Componente orizzontale (sfavorevole)	RH' terreno	-315.09	-409.62	-387.39	-409.62	-387.39	-426.13	-462.58	[kN]
Componente verticale (farorevole)	RV' terreno	131.16	170.50	161.25	170.50	161.25	145.13	157.54	[kN]
Momento componente orizzontale	MH' terreno	#####	#####	#####	#####	#####	#####	#####	[kNm]
Momento componente Verticale	IV' terreno	590.20	767.26	725.63	767.26	725.63	653.06	708.92	[kNm]
<u>Spinta del terreno lato valle</u>									
Risultante	R'' terreno	78.98	315.92	246.92	315.92	246.92	246.92	278.55	[kN]
Momento componente orizzontale	M'' terreno	78.98	315.92	246.92	315.92	246.92	246.92	278.55	[kNm]
<u>Spinta del carico distribuito permanente</u>									
Risultante	R_{perm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Componente orizzontale	RH_{perm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Componente verticale	RV_{perm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Ascissa punto applicazione RV	Xg_{perm}	3.94	3.94	3.94	3.94	3.94	3.94	3.94	[m]
Momento componente orizzontale	MH_{perm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
Momento componente Verticale	MV_{perm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
<u>Spinta del carico distribuito accidentale</u>									
Risultante	R_{acc}	-65.95	-65.95	-81.08	-65.95	-81.08	-81.08	0.00	[kN]
Componente orizzontale	RH_{acc}	-60.89	-60.89	-74.86	-60.89	-74.86	-74.86	0.00	[kN]
Componente verticale	RV_{acc}	25.34	25.34	31.16	25.34	31.16	31.16	0.00	[kN]
Ascissa punto applicazione RV	Xg_{acc}	3.94	3.94	3.94	3.94	3.94	3.94	3.94	[m]
Momento componente orizzontale	MH_{acc}	-379.22	-379.22	-466.24	-379.22	-466.24	-466.24	0.00	[kNm]
Momento componente Verticale	MV_{acc}	99.80	99.80	122.69	99.80	122.69	122.69	0.00	[kNm]
<u>Spinta carichi permanenti concentrati in sommità</u>									
Azione orizzontale	RCH_{somm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Azione verticale	RCV_{somm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Odinata applicazione azione Orizz	zT_{somm}	11.70	11.70	11.70	11.70	11.70	11.70	11.70	[m]
Ascissa applicazione azione Vert.	xV_{somm}	3.25	3.25	3.25	3.25	3.25	3.25	3.25	[m]
Momento componente Orizzontale	MCH_{somm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
Momento componente Verticale	MCV_{somm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
<u>Spinta carichi accidentali concentrati in sommità</u>									
Azione orizzontale	RCH_{somm}	-45.00	-67.50	-58.50	-67.50	-58.50	0.00	0.00	[kN]
Azione verticale	RCV_{somm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Odinata applicazione azione Orizz	zT_{somm}	11.70	11.70	11.70	11.70	11.70	11.70	11.70	[kN]
Ascissa applicazione azione Vert.	xV_{somm}	3.25	3.25	3.25	3.25	3.25	3.25	3.25	[m]
Momento componente Orizzontale	MCH_{somm}	-526.50	-789.75	-684.45	-789.75	-684.45	0.00	0.00	[kNm]
Momento componente Verticale	MCV_{somm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
<u>Spinta aggiuntiva sul paramento</u>									
Azione orizzontale	RCH_{somm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Odinata applicazione azione Orizz	zT_{somm}	11.70	11.70	11.70	11.70	11.70	11.70	11.70	[kN]
Momento componente Orizzontale	MCH_{somm}	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
<u>Azioni dovute all'evento sismico</u>									
Inerzia terreno a monte	S_{1Tm}							-6.48	[kN]
Momento dell'inerzia terreno a monte	M_{1Tm}							-42.76	[kNm]
Spinta inerzia muro	S_{1pp}							-17.11	[kN]
Momento dell'inerzia muro	M_{1pp}							-58.27	[kNm]
Spinta inerzia dell'acqua	E_{WD}							0.00	[kN]
Momento dell'inerzia dell'acqua	M_{EWD}							0.00	[kNm]

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Riepilogo resistenze globali

	Caso statico (GEO, STR)					Caso statico (EQU)	Caso dinamico (EQU)	
	SLS	App#1, c#1	App#1, c#2	App#2	App#3			
RH _{tot} =	78.98	315.92	246.92	315.92	246.92	246.92	278.55	[kN]
RV _{perm+acc} =	792.37	742.76	742.76	742.76	742.76	668.49	668.49	[kNm]
Momento delle comp. orizz. spinte a tergo	78.98	315.92	246.92	315.92	246.92	246.92	278.55	[kNm]
Momento delle comp. vert. spinte a tergo	690.00	867.06	848.32	867.06	848.32	775.76	708.92	[kNm]
M _{perm+acc} =	2889.24	2653.11	2653.11	2653.11	2653.11	2387.80	2387.80	[kNm]

Riepilogo azioni globali

Totale spinte orizzontali	RH _{tot} =	-360.09	-477.12	-445.89	-477.12	-445.89	-426.13	-486.16	[kN]
Totale spinte verticali	RV _{tot} =	156.50	195.85	192.41	195.85	192.41	176.29	157.54	[kN]
Momento delle comp. orizz. spinte a tergo	MH _{tot} =	#####	#####	#####	#####	#####	#####	#####	[kNm]
Momento delle comp. vert. spinte a tergo	MV _{tot} =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]

Verifiche di stabilità globale

	SLS	App#1, c#1	App#1, c#2	App#2	App#3	Caso statico (EQU)	Caso dinamico (EQU)		
<i>VERIFICA ALLA TRASLAZIONE ORIZZONTALE</i>									
Totale spinte orizzontali	R _{Htot} =	-360.09				-426.13	-486.16	[kN]	
Resistenza allo scivolamento	R _{res} =	626.81				734.65	755.46	[kN]	
	γ _{sciv} =	1.74				1.72	1.55		
<i>VERIFICA ALLA ROTAZIONE</i>									
Momento delle comp. orizz. spinte a tergo	M _{Otot} =	#####				#####	#####	[kNm]	
Momento stabilizzante	M _{stab} =	3658.21				3410.48	3375.27	[kNm]	
	γ _{rib} =	1.73				1.60	1.71		
<i>VERIFICA ALLA TRASLAZIONE VERTICALE</i>									
Totale spinte verticali	N _{tot} =	948.87	938.61	935.17	938.61	935.17	844.77	826.03	[kN]
Totale spinte orizzontali	H _{tot} =	-281.11	-161.20	-198.97	-198.97	-161.20	-179.21	-207.62	[kN]
Momento risultante	M _{ris} =	1544.64	1096.91	1079.95	1096.91	1079.95	1274.76	1398.39	[kNm]
Eccentricità rispetto all'asse fondazione	e =	-1.37	-1.83	-1.85	-1.83	-1.85	-1.49	-1.31	[m]
Larghezza reagente	B _{app} =	4.88	3.51	3.46	3.51	3.46	4.53	5.08	[m]
Larghezza efficace	B _{eff} =	3.256	2.337	2.310	2.337	2.310	3.018	3.386	[m]
Area efficace	A _{eff} =	16.279	11.687	11.548	11.687	11.548	15.090	16.929	[m ²]
Tensione nel terreno lato monte	σ _{tmonte} =	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kPa]
Tensione nel terreno lato valle	σ _{tvalle} =	388.59	535.44	539.87	535.44	539.87	373.22	325.29	[kPa]
Coefficiente di sicurezza (d.m. 4.4.1988)		2.00	-	-	-	-	-	-	
Capacità portante limite	σ _{tlim} =	1199.77	1164.73	1163.58	1164.73	1163.58	1192.90	1208.12	[kPa]

Verifiche delle sollecitazioni

Sezione di spiccatto della parete frontale

AZIONI

	SLS	App#1, c#1	App#1, c#2	App#2	App#3	Caso dinamico (GEO)		
Spinta orizzontale dell'acqua	RH _{H2O} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Peso del terreno sul paramento	P _{terr} =	88.02	88.02	88.02	88.02	88.02	88.02	[kN]
Spinta terreno a monte	R _{terr} =	-254.85	-254.85	-313.32	-254.85	-313.32	-344.43	[kN]
Comp. orizzontale spinta terreno a monte	RH _{terr} =	-235.28	-235.28	-289.26	-235.28	-289.26	-317.98	[kN]
Comp. verticale spinta terreno a monte	RV _{terr} =	97.93	97.93	120.40	97.93	120.40	132.36	[kN]
Ascissa	X _{go} =	0.54	0.54	0.54	0.54	0.54	0.54	[m]
Comp. Orizzontale sovraccarico permanente	RH _{perm} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Comp. Verticale sovraccarico permanente	RV _{perm} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Carico permanente conc. orizzontale	H _{perm} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Carico permanente conc. verticale	V _{perm} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Comp. Orizzontale sovraccarico accidentale	RH _{acc} =	-52.95	-60.89	-74.86	-60.89	-74.86	-69.42	[kN]
Comp. Verticale sovraccarico accidentale	RV _{acc} =	22.04	99.80	122.69	99.80	122.69	28.90	[kN]
Carico accidentale orizzontale	H _{acc} =	-45.00	-67.50	-58.50	-67.50	-58.50	0.00	[kN]
Carico accidentale verticale	V _{acc} =	0.00	0.00	0.00	0.00	0.00	0.00	[kN]
Peso proprio paramento	P _{par} =	255.00	255.00	255.00	255.00	255.00	255.00	[kN]
Inerzia sismica peso proprio paramento	I _{par} =						-9.09	[kN]

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MOMENTI

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

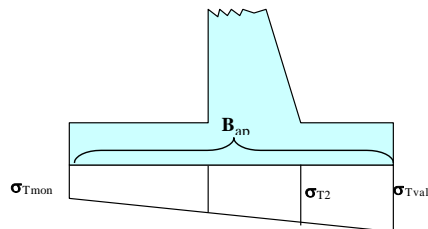
M_{H2o}	=	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
M_{parv}	=	37.25	37.25	37.25	37.25	37.25	37.25	37.25	37.25	37.25	[kNm]
M_{terrH}	=	-794.18	-794.18	-976.41	-794.18	-976.41	-794.18	-976.41	-794.18	-976.41	[kNm]
M_{terrV}	=	30.44	30.44	37.43	30.44	37.43	30.44	37.43	30.44	37.43	[kNm]
M_{permH}	=	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
MC_{perm}	=	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
M_{acch}	=	-286.75	-286.75	-352.54	-286.75	-352.54	-286.75	-352.54	-286.75	-352.54	[kNm]
MC_{acc}	=	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	[kNm]
M_{pppar}	=	53.13	53.13	53.13	53.13	53.13	53.13	53.13	53.13	53.13	[kNm]
M_{par}	=										[kNm]

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

M	=	SLS	App#1, c#1	App#1, c#2	App#2	App#3					[kNm]
N	=	-960.11	-960.11	#####	-960.11	#####					[kN]
V	=	463.00	540.75	586.12	540.75	586.12					[kN]
		-333.22	-363.66	-422.62	-363.66	-422.62					[kN]

Verifiche delle sollecitazioni

Sezione ciabatta di fondazione



Andamento delle tensioni nel terreno.

	σ_{tmon}	σ_{tvalle}	B_{app}	σ_{t1}	σ_{t2}
SLS	0.00	388.59	4.88	30.52	149.88
App#1, c#1	0.00	535.44	3.51	0.00	77.27
App#1, c#2	0.00	539.87	3.46	0.00	72.37
App#2	0.00	535.44	3.51	0.00	77.27
App#3	0.00	539.87	3.46	0.00	72.37
Caso dinamico (GEO)	0.00	325.29	5.08	37.07	133.14

AZIONI

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

Mf_{mon}	=	SLS	App#1, c#1	App#1, c#2	App#2	App#3					[kNm]
Vf_{mon}	=	266.44	267.19	267.19	267.19	267.19					265.12
Mf_{val}	=	350.40	356.25	356.25	356.25	356.25					345.52
Vf_{val}	=	#####	#####	#####	#####	#####					-885.33
		-614.21	-725.56	-724.87	-725.56	-724.87					-494.14

10.1 Verifica strutturale fondazione

Si esegue la verifica con

$H = 1.5 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$

Armatura minima $A_{smin} = 2250.00 \text{ mm}^2$

Armatura superiore $A_s = 4908.7 \text{ mm}^2$, (1Ø25 passo 10cm, ossia 10Ø25/m)

Armatura inferiore $A'_s = 4908.7 \text{ mm}^2$, (1Ø25 passo 10cm, ossia 10Ø25/m)

Sollecitazioni SLU:

$M_u = 1437.92 \text{ kNm}$; $V_u = 724.87 \text{ kN}$; $N_u = 0.00 \text{ kN}$

Momento agente ultimo (+contr. del taglio): $M'_u = 2390.40 \text{ kNm}$

Sezione semplicemente inflessa, Campo di rottura '2'

Taglio limite: $V_{lim} = 862.22 \text{ kN}$ (Armatura a taglio non necessaria)

Azione Taglio compressione: $V_{cdc} = 6759.57 \text{ kN}$

Azione Taglio trazione: $V_{wd} + V_{cd} = 14483.85 \text{ kN}$

Momento ultimo resistente $M_{rd} = 2593.06 \text{ kNm}$

Sollecitazioni SLE:

$M_e = 1100.36 \text{ kNm}$; $N_e = 0.00 \text{ kN}$

Sezione semplicemente inflessa

$\sigma_c = -3.39 \text{ MPa} < -13.073 \text{ MPa}$

$\sigma_s = 164.17 \text{ MPa} < 301 \text{ MPa}$

Ampiezza di fessurazione di verifica $W_k = 0.070 \text{ mm} (< 0.2 \text{ mm})$

10.2 Verifica strutturale paramento verticale

Si esegue la verifica con

$H = 1.5 \text{ m}$, $B = 1 \text{ m}$, $c = 40 \text{ mm}$

Armatura minima $A_{smin} = 2250.00 \text{ mm}^2$

Armatura superiore $A_s = 4908.7 \text{ mm}^2$, (1Ø25 passo 10cm, ossia 10Ø25/m)

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

Sollecitazioni SLU:

$M_u = 2095.75 \text{ kNm}$; $V_u = 396.49 \text{ kN}$; $N_u = 504.28 \text{ kN}$

Momento agente ultimo (+contr. del taglio): $M'_u = 2616.74 \text{ kNm}$

Sezione tensoinflessa parzializzata, Campo di rottura '2'

Taglio limite: $V_{lim} = 887.03 \text{ kN}$ (Armatura a taglio non necessaria)

Azione Taglio compressione: $V_{cdc} = 6759.57 \text{ kN}$

Azione Taglio trazione: $V_{wd} + V_{cd} = 14483.85 \text{ kN}$

Momento ultimo resistente $M_{rd} = 2758.54 \text{ kNm}$

Sollecitazioni SLE:

$M_e = 960.11 \text{ kNm}$; $N_e = 463.00 \text{ kN}$

Sezione tensoinflessa parzializzata

$\sigma_c = -2.66 \text{ MPa} < -13.073 \text{ MPa}$

$\sigma_s = 149.34 \text{ MPa} < 301 \text{ MPa}$

Ampiezza di fessurazione di verifica $W_k = 0.142 \text{ mm} (< 0.2 \text{ mm})$

11. ALLEGATI – MODELLO STATICO 3D

11.1 MODELLAZIONE DELLE SEZIONI

11.1.1 LEGENDA TABELLA DATI SEZIONI

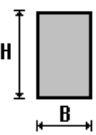
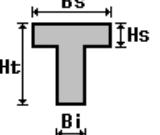
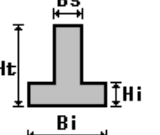
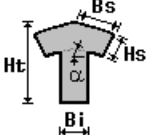
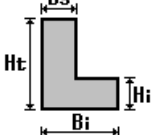
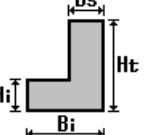
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

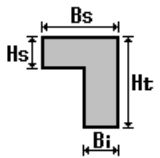
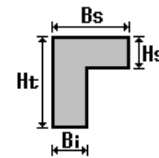
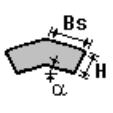
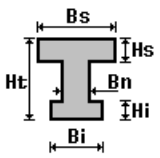
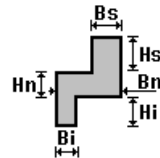
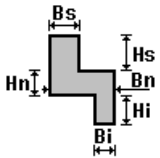
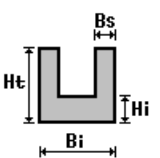
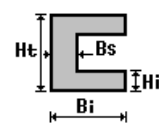
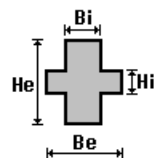
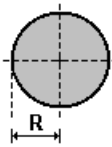
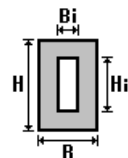
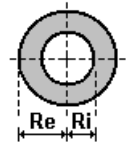
Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

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

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

					
rettangolare	a T	a T rovescia	a T di colmo	a L	a L specchiata

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 <p>a L specchiata rovescia</p>	 <p>a L rovescia</p>	 <p>a L di colmo</p>	 <p>a doppio T</p>	 <p>a quattro specchiata</p>	 <p>a quattro</p>
 <p>a U</p>	 <p>a C</p>	 <p>a croce</p>	 <p>circolare</p>	 <p>rettangolare cava</p>	 <p>circolare cava</p>

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

Per quanto concerne le sezioni di tipo generico (tipo 1.):

i valori dimensionali con prefisso B sono riferiti all'asse 2

i valori dimensionali con prefisso H sono riferiti all'asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
13	vh160m	7479.17	0.0	0.0	1.552e+06	2.600e+07	2.441e+07	2.080e+05	3.050e+05	2.496e+05	3.660e+05
14	Rettangolare: b=30.00 h=153.00	4590.00	0.0	0.0	1.207e+06	3.443e+05	8.954e+06	2.295e+04	1.170e+05	3.443e+04	1.756e+05
16	asta cordolo	4.00	0.0	0.0	2.25	1.33	1.33	1.33	1.33	2.00	2.00
17	appoggio	2100.00	0.0	0.0	4.599e+05	1.575e+05	8.575e+05	1.050e+04	2.450e+04	1.575e+04	3.675e+04
18	Rettangolare: b=70.00 h=70.00	4900.00	0.0	0.0	3.375e+06	2.001e+06	2.001e+06	5.717e+04	5.717e+04	8.575e+04	8.575e+04

11.2 MODELLAZIONE STRUTTURA: NODI

11.3 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

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

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

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

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

Nodo	numero del nodo.
-------------	------------------

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

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

11.3.1 TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	383.4	1263.0	1140.0	2	383.4	1086.7	1140.0	3	383.4	784.5	1140.0
4	383.4	482.3	1140.0	5	383.4	180.1	1140.0	6	383.4	3.8	1140.0
7	1563.0	-139.5	1140.0	8	1563.0	36.8	1140.0	9	1563.0	339.0	1140.0
10	1563.0	641.2	1140.0	11	1563.0	943.4	1140.0	12	1563.0	1119.7	1140.0
13	2742.6	976.4	1140.0	14	2742.6	800.1	1140.0	15	2742.6	497.9	1140.0
16	2742.6	195.7	1140.0	17	2742.6	-106.6	1140.0	18	2742.6	-282.8	1140.0
19	2922.6	-304.7	1140.0	20	2922.6	-128.4	1140.0	21	2922.6	173.8	1140.0
22	2922.6	476.0	1140.0	23	2922.6	778.2	1140.0	24	2922.6	954.5	1140.0
25	4334.8	782.9	1140.0	26	4334.8	606.6	1140.0	27	4334.8	304.4	1140.0
28	4334.8	2.2	1140.0	29	4334.8	-300.0	1140.0	30	4334.8	-476.3	1140.0
31	5746.9	-647.8	1140.0	32	5746.9	-471.6	1140.0	33	5746.9	-169.3	1140.0
34	5746.9	132.9	1140.0	35	5746.9	435.1	1140.0	36	5746.9	611.4	1140.0
37	5926.9	589.5	1140.0	38	5926.9	413.2	1140.0	39	5926.9	111.0	1140.0
40	5926.9	-191.2	1140.0	41	5926.9	-493.4	1140.0	42	5926.9	-669.7	1140.0
43	7106.5	-813.0	1140.0	44	7106.5	-636.7	1140.0	45	7106.5	-334.5	1140.0
46	7106.5	-32.3	1140.0	47	7106.5	269.9	1140.0	48	7106.5	446.2	1140.0
49	8286.1	302.8	1140.0	50	8286.1	126.6	1140.0	51	8286.1	-175.6	1140.0
52	8286.1	-477.9	1140.0	53	8286.1	-780.1	1140.0	54	8286.1	-956.3	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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55	481.7	1251.0	1140.0	56	580.0	1239.1	1140.0	57	678.3	1227.2	1140.0
58	776.6	1215.2	1140.0	59	874.9	1203.3	1140.0	60	973.2	1191.3	1140.0
61	1071.5	1179.4	1140.0	62	1169.8	1167.4	1140.0	63	1268.1	1155.5	1140.0
64	1366.4	1143.6	1140.0	65	1464.7	1131.6	1140.0	66	1661.3	1107.7	1140.0
67	1759.6	1095.8	1140.0	68	1857.9	1083.8	1140.0	69	1956.2	1071.9	1140.0
70	2054.5	1060.0	1140.0	71	2152.8	1048.0	1140.0	72	2251.1	1036.1	1140.0
73	2349.4	1024.1	1140.0	74	2447.7	1012.2	1140.0	75	2546.0	1000.2	1140.0
76	2644.3	988.3	1140.0	77	3040.3	940.2	1140.0	78	3158.0	925.9	1140.0
79	3275.6	911.6	1140.0	80	3393.3	897.3	1140.0	81	3511.0	883.0	1140.0
82	3628.7	868.7	1140.0	83	3746.4	854.4	1140.0	84	3864.0	840.1	1140.0
85	3981.7	825.8	1140.0	86	4099.4	811.5	1140.0	87	4217.1	797.2	1140.0
88	4452.4	768.6	1140.0	89	4570.1	754.3	1140.0	90	4687.8	740.0	1140.0
91	4805.5	725.7	1140.0	92	4923.1	711.4	1140.0	93	5040.8	697.1	1140.0
94	5158.5	682.8	1140.0	95	5276.2	668.5	1140.0	96	5393.9	654.2	1140.0
97	5511.5	639.9	1140.0	98	5629.2	625.6	1140.0	99	481.7	1074.8	1140.0
100	580.0	1062.8	1140.0	101	678.3	1050.9	1140.0	102	776.6	1038.9	1140.0
103	874.9	1027.0	1140.0	104	973.2	1015.0	1140.0	105	1071.5	1003.1	1140.0
106	1169.8	991.2	1140.0	107	1268.1	979.2	1140.0	108	1366.4	967.3	1140.0
109	1464.7	955.3	1140.0	110	481.7	772.5	1140.0	111	580.0	760.6	1140.0
112	678.3	748.7	1140.0	113	776.6	736.7	1140.0	114	874.9	724.8	1140.0
115	973.2	712.8	1140.0	116	1071.5	700.9	1140.0	117	1169.8	688.9	1140.0
118	1268.1	677.0	1140.0	119	1366.4	665.1	1140.0	120	1464.7	653.1	1140.0
121	481.7	470.3	1140.0	122	580.0	458.4	1140.0	123	678.3	446.5	1140.0
124	776.6	434.5	1140.0	125	874.9	422.6	1140.0	126	973.2	410.6	1140.0
127	1071.5	398.7	1140.0	128	1169.8	386.7	1140.0	129	1268.1	374.8	1140.0
130	1366.4	362.9	1140.0	131	1464.7	350.9	1140.0	132	481.7	168.1	1140.0
133	580.0	156.2	1140.0	134	678.3	144.2	1140.0	135	776.6	132.3	1140.0
136	874.9	120.4	1140.0	137	973.2	108.4	1140.0	138	1071.5	96.5	1140.0
139	1169.8	84.5	1140.0	140	1268.1	72.6	1140.0	141	1366.4	60.6	1140.0
142	1464.7	48.7	1140.0	143	481.7	-8.2	1140.0	144	580.0	-20.1	1140.0
145	678.3	-32.0	1140.0	146	776.6	-44.0	1140.0	147	874.9	-55.9	1140.0
148	973.2	-67.9	1140.0	149	1071.5	-79.8	1140.0	150	1169.8	-91.8	1140.0
151	1268.1	-103.7	1140.0	152	1366.4	-115.6	1140.0	153	1464.7	-127.6	1140.0
154	1661.3	-151.5	1140.0	155	1759.6	-163.4	1140.0	156	1857.9	-175.4	1140.0
157	1956.2	-187.3	1140.0	158	2054.5	-199.2	1140.0	159	2152.8	-211.2	1140.0
160	2251.1	-223.1	1140.0	161	2349.4	-235.1	1140.0	162	2447.7	-247.0	1140.0
163	2546.0	-259.0	1140.0	164	2644.3	-270.9	1140.0	165	1661.3	24.8	1140.0
166	1759.6	12.9	1140.0	167	1857.9	0.9	1140.0	168	1956.2	-11.0	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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169	2054.5	-23.0	1140.0	170	2152.8	-34.9	1140.0	171	2251.1	-46.8	1140.0
172	2349.4	-58.8	1140.0	173	2447.7	-70.7	1140.0	174	2546.0	-82.7	1140.0
175	2644.3	-94.6	1140.0	176	1661.3	327.0	1140.0	177	1759.6	315.1	1140.0
178	1857.9	303.1	1140.0	179	1956.2	291.2	1140.0	180	2054.5	279.3	1140.0
181	2152.8	267.3	1140.0	182	2251.1	255.4	1140.0	183	2349.4	243.4	1140.0
184	2447.7	231.5	1140.0	185	2546.0	219.5	1140.0	186	2644.3	207.6	1140.0
187	1661.3	629.2	1140.0	188	1759.6	617.3	1140.0	189	1857.9	605.3	1140.0
190	1956.2	593.4	1140.0	191	2054.5	581.5	1140.0	192	2152.8	569.5	1140.0
193	2251.1	557.6	1140.0	194	2349.4	545.6	1140.0	195	2447.7	533.7	1140.0
196	2546.0	521.7	1140.0	197	2644.3	509.8	1140.0	198	1661.3	931.4	1140.0
199	1759.6	919.5	1140.0	200	1857.9	907.6	1140.0	201	1956.2	895.6	1140.0
202	2054.5	883.7	1140.0	203	2152.8	871.7	1140.0	204	2251.1	859.8	1140.0
205	2349.4	847.8	1140.0	206	2447.7	835.9	1140.0	207	2546.0	824.0	1140.0
208	2644.3	812.0	1140.0	209	3040.3	-319.0	1140.0	210	3158.0	-333.3	1140.0
211	3275.6	-347.6	1140.0	212	3393.3	-361.9	1140.0	213	3511.0	-376.2	1140.0
214	3628.7	-390.5	1140.0	215	3746.4	-404.8	1140.0	216	3864.0	-419.1	1140.0
217	3981.7	-433.4	1140.0	218	4099.4	-447.7	1140.0	219	4217.1	-462.0	1140.0
220	4452.4	-490.6	1140.0	221	4570.1	-504.9	1140.0	222	4687.8	-519.2	1140.0
223	4805.5	-533.5	1140.0	224	4923.1	-547.8	1140.0	225	5040.8	-562.1	1140.0
226	5158.5	-576.4	1140.0	227	5276.2	-590.7	1140.0	228	5393.9	-605.0	1140.0
229	5511.5	-619.2	1140.0	230	5629.2	-633.5	1140.0	231	4452.4	-314.3	1140.0
232	4570.1	-328.6	1140.0	233	4687.8	-342.9	1140.0	234	4805.5	-357.2	1140.0
235	4923.1	-371.5	1140.0	236	5040.8	-385.8	1140.0	237	5158.5	-400.1	1140.0
238	5276.2	-414.4	1140.0	239	5393.9	-428.7	1140.0	240	5511.5	-443.0	1140.0
241	5629.2	-457.3	1140.0	242	4452.4	-12.1	1140.0	243	4570.1	-26.4	1140.0
244	4687.8	-40.7	1140.0	245	4805.5	-55.0	1140.0	246	4923.1	-69.3	1140.0
247	5040.8	-83.6	1140.0	248	5158.5	-97.9	1140.0	249	5276.2	-112.2	1140.0
250	5393.9	-126.5	1140.0	251	5511.5	-140.8	1140.0	252	5629.2	-155.1	1140.0
253	4452.4	290.1	1140.0	254	4570.1	275.8	1140.0	255	4687.8	261.5	1140.0
256	4805.5	247.2	1140.0	257	4923.1	232.9	1140.0	258	5040.8	218.6	1140.0
259	5158.5	204.3	1140.0	260	5276.2	190.0	1140.0	261	5393.9	175.7	1140.0
262	5511.5	161.5	1140.0	263	5629.2	147.2	1140.0	264	4452.4	592.3	1140.0
265	4570.1	578.0	1140.0	266	4687.8	563.7	1140.0	267	4805.5	549.4	1140.0
268	4923.1	535.1	1140.0	269	5040.8	520.8	1140.0	270	5158.5	506.5	1140.0
271	5276.2	492.3	1140.0	272	5393.9	478.0	1140.0	273	5511.5	463.7	1140.0
274	5629.2	449.4	1140.0	275	3040.3	763.9	1140.0	276	3158.0	749.6	1140.0
277	3275.6	735.3	1140.0	278	3393.3	721.0	1140.0	279	3511.0	706.7	1140.0
280	3628.7	692.4	1140.0	281	3746.4	678.1	1140.0	282	3864.0	663.8	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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283	3981.7	649.5	1140.0	284	4099.4	635.2	1140.0	285	4217.1	620.9	1140.0
286	3040.3	461.7	1140.0	287	3158.0	447.4	1140.0	288	3275.6	433.1	1140.0
289	3393.3	418.8	1140.0	290	3511.0	404.5	1140.0	291	3628.7	390.2	1140.0
292	3746.4	375.9	1140.0	293	3864.0	361.6	1140.0	294	3981.7	347.3	1140.0
295	4099.4	333.0	1140.0	296	4217.1	318.7	1140.0	297	3040.3	159.5	1140.0
298	3158.0	145.2	1140.0	299	3275.6	130.9	1140.0	300	3393.3	116.6	1140.0
301	3511.0	102.3	1140.0	302	3628.7	88.0	1140.0	303	3746.4	73.7	1140.0
304	3864.0	59.4	1140.0	305	3981.7	45.1	1140.0	306	4099.4	30.8	1140.0
307	4217.1	16.5	1140.0	308	3040.3	-142.7	1140.0	309	3158.0	-157.0	1140.0
310	3275.6	-171.3	1140.0	311	3393.3	-185.6	1140.0	312	3511.0	-199.9	1140.0
313	3628.7	-214.2	1140.0	314	3746.4	-228.5	1140.0	315	3864.0	-242.8	1140.0
316	3981.7	-257.1	1140.0	317	4099.4	-271.4	1140.0	318	4217.1	-285.7	1140.0
319	6025.2	577.5	1140.0	320	6123.5	565.6	1140.0	321	6221.8	553.7	1140.0
322	6320.1	541.7	1140.0	323	6418.4	529.8	1140.0	324	6516.7	517.8	1140.0
325	6615.0	505.9	1140.0	326	6713.3	493.9	1140.0	327	6811.6	482.0	1140.0
328	6909.9	470.1	1140.0	329	7008.2	458.1	1140.0	330	7204.8	434.2	1140.0
331	7303.1	422.3	1140.0	332	7401.4	410.3	1140.0	333	7499.7	398.4	1140.0
334	7598.0	386.4	1140.0	335	7696.3	374.5	1140.0	336	7794.6	362.6	1140.0
337	7892.9	350.6	1140.0	338	7991.2	338.7	1140.0	339	8089.5	326.7	1140.0
340	8187.8	314.8	1140.0	341	6025.2	401.3	1140.0	342	6123.5	389.3	1140.0
343	6221.8	377.4	1140.0	344	6320.1	365.4	1140.0	345	6418.4	353.5	1140.0
346	6516.7	341.5	1140.0	347	6615.0	329.6	1140.0	348	6713.3	317.6	1140.0
349	6811.6	305.7	1140.0	350	6909.9	293.8	1140.0	351	7008.2	281.8	1140.0
352	7204.8	257.9	1140.0	353	7303.1	246.0	1140.0	354	7401.4	234.0	1140.0
355	7499.7	222.1	1140.0	356	7598.0	210.2	1140.0	357	7696.3	198.2	1140.0
358	7794.6	186.3	1140.0	359	7892.9	174.3	1140.0	360	7991.2	162.4	1140.0
361	8089.5	150.4	1140.0	362	8187.8	138.5	1140.0	363	6025.2	99.0	1140.0
364	6123.5	87.1	1140.0	365	6221.8	75.2	1140.0	366	6320.1	63.2	1140.0
367	6418.4	51.3	1140.0	368	6516.7	39.3	1140.0	369	6615.0	27.4	1140.0
370	6713.3	15.4	1140.0	371	6811.6	3.5	1140.0	372	6909.9	-8.4	1140.0
373	7008.2	-20.4	1140.0	374	7204.8	-44.3	1140.0	375	7303.1	-56.2	1140.0
376	7401.4	-68.2	1140.0	377	7499.7	-80.1	1140.0	378	7598.0	-92.0	1140.0
379	7696.3	-104.0	1140.0	380	7794.6	-115.9	1140.0	381	7892.9	-127.9	1140.0
382	7991.2	-139.8	1140.0	383	8089.5	-151.8	1140.0	384	8187.8	-163.7	1140.0
385	6025.2	-203.2	1140.0	386	6123.5	-215.1	1140.0	387	6221.8	-227.0	1140.0
388	6320.1	-239.0	1140.0	389	6418.4	-250.9	1140.0	390	6516.7	-262.9	1140.0
391	6615.0	-274.8	1140.0	392	6713.3	-286.8	1140.0	393	6811.6	-298.7	1140.0
394	6909.9	-310.6	1140.0	395	7008.2	-322.6	1140.0	396	7204.8	-346.5	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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397	7303.1	-358.4	1140.0	398	7401.4	-370.4	1140.0	399	7499.7	-382.3	1140.0
400	7598.0	-394.2	1140.0	401	7696.3	-406.2	1140.0	402	7794.6	-418.1	1140.0
403	7892.9	-430.1	1140.0	404	7991.2	-442.0	1140.0	405	8089.5	-454.0	1140.0
406	8187.8	-465.9	1140.0	407	6025.2	-505.4	1140.0	408	6123.5	-517.3	1140.0
409	6221.8	-529.3	1140.0	410	6320.1	-541.2	1140.0	411	6418.4	-553.1	1140.0
412	6516.7	-565.1	1140.0	413	6615.0	-577.0	1140.0	414	6713.3	-589.0	1140.0
415	6811.6	-600.9	1140.0	416	6909.9	-612.9	1140.0	417	7008.2	-624.8	1140.0
418	7204.8	-648.7	1140.0	419	7303.1	-660.6	1140.0	420	7401.4	-672.6	1140.0
421	7499.7	-684.5	1140.0	422	7598.0	-696.5	1140.0	423	7696.3	-708.4	1140.0
424	7794.6	-720.3	1140.0	425	7892.9	-732.3	1140.0	426	7991.2	-744.2	1140.0
427	8089.5	-756.2	1140.0	428	8187.8	-768.1	1140.0	429	6025.2	-681.7	1140.0
430	6123.5	-693.6	1140.0	431	6221.8	-705.5	1140.0	432	6320.1	-717.5	1140.0
433	6418.4	-729.4	1140.0	434	6516.7	-741.4	1140.0	435	6615.0	-753.3	1140.0
436	6713.3	-765.3	1140.0	437	6811.6	-777.2	1140.0	438	6909.9	-789.1	1140.0
439	7008.2	-801.1	1140.0	440	7204.8	-825.0	1140.0	441	7303.1	-836.9	1140.0
442	7401.4	-848.9	1140.0	443	7499.7	-860.8	1140.0	444	7598.0	-872.7	1140.0
445	7696.3	-884.7	1140.0	446	7794.6	-896.6	1140.0	447	7892.9	-908.6	1140.0
448	7991.2	-920.5	1140.0	449	8089.5	-932.5	1140.0	450	8187.8	-944.4	1140.0
451	383.4	1145.5	1140.0	452	383.4	1204.2	1140.0	453	383.4	885.2	1140.0
454	383.4	986.0	1140.0	455	383.4	583.0	1140.0	456	383.4	683.8	1140.0
457	383.4	280.8	1140.0	458	383.4	381.5	1140.0	459	383.4	62.6	1140.0
460	383.4	121.3	1140.0	461	1563.0	1002.1	1140.0	462	1563.0	1060.9	1140.0
463	1563.0	741.9	1140.0	464	1563.0	842.6	1140.0	465	1563.0	439.7	1140.0
466	1563.0	540.4	1140.0	467	1563.0	137.5	1140.0	468	1563.0	238.2	1140.0
469	1563.0	-80.8	1140.0	470	1563.0	-22.0	1140.0	471	2742.6	858.8	1140.0
472	2742.6	917.6	1140.0	473	2742.6	598.6	1140.0	474	2742.6	699.3	1140.0
475	2742.6	296.4	1140.0	476	2742.6	397.1	1140.0	477	2742.6	-5.8	1140.0
478	2742.6	94.9	1140.0	479	2742.6	-224.1	1140.0	480	2742.6	-165.3	1140.0
481	2922.6	837.0	1140.0	482	2922.6	895.7	1140.0	483	2922.6	576.7	1140.0
484	2922.6	677.5	1140.0	485	2922.6	274.5	1140.0	486	2922.6	375.3	1140.0
487	2922.6	-27.7	1140.0	488	2922.6	73.0	1140.0	489	2922.6	-245.9	1140.0
490	2922.6	-187.2	1140.0	491	4334.8	665.4	1140.0	492	4334.8	724.2	1140.0
493	4334.8	405.2	1140.0	494	4334.8	505.9	1140.0	495	4334.8	103.0	1140.0
496	4334.8	203.7	1140.0	497	4334.8	-199.3	1140.0	498	4334.8	-98.5	1140.0
499	4334.8	-417.5	1140.0	500	4334.8	-358.8	1140.0	501	5746.9	493.8	1140.0
502	5746.9	552.6	1140.0	503	5746.9	233.6	1140.0	504	5746.9	334.3	1140.0
505	5746.9	-68.6	1140.0	506	5746.9	32.1	1140.0	507	5746.9	-370.8	1140.0
508	5746.9	-270.1	1140.0	509	5746.9	-589.1	1140.0	510	5746.9	-530.3	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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511	5926.9	472.0	1140.0	512	5926.9	530.7	1140.0	513	5926.9	211.7	1140.0
514	5926.9	312.5	1140.0	515	5926.9	-90.5	1140.0	516	5926.9	10.3	1140.0
517	5926.9	-392.7	1140.0	518	5926.9	-292.0	1140.0	519	5926.9	-610.9	1140.0
520	5926.9	-552.2	1140.0	521	8286.1	185.3	1140.0	522	8286.1	244.1	1140.0
523	8286.1	-74.9	1140.0	524	8286.1	25.8	1140.0	525	8286.1	-377.1	1140.0
526	8286.1	-276.4	1140.0	527	8286.1	-679.3	1140.0	528	8286.1	-578.6	1140.0
529	8286.1	-897.6	1140.0	530	8286.1	-838.8	1140.0	531	7106.5	328.6	1140.0
532	7106.5	387.4	1140.0	533	7106.5	68.4	1140.0	534	7106.5	169.1	1140.0
535	7106.5	-233.8	1140.0	536	7106.5	-133.1	1140.0	537	7106.5	-536.0	1140.0
538	7106.5	-435.3	1140.0	539	7106.5	-754.3	1140.0	540	7106.5	-695.5	1140.0
541	481.7	1192.3	1140.0	542	481.7	1133.5	1140.0	543	580.0	1180.3	1140.0
544	580.0	1121.6	1140.0	545	678.3	1168.4	1140.0	546	678.3	1109.6	1140.0
547	776.6	1156.4	1140.0	548	776.6	1097.7	1140.0	549	874.9	1144.5	1140.0
550	874.9	1085.7	1140.0	551	973.2	1132.6	1140.0	552	973.2	1073.8	1140.0
553	1071.5	1120.6	1140.0	554	1071.5	1061.9	1140.0	555	1169.8	1108.7	1140.0
556	1169.8	1049.9	1140.0	557	1268.1	1096.7	1140.0	558	1268.1	1038.0	1140.0
559	1366.4	1084.8	1140.0	560	1366.4	1026.0	1140.0	561	1464.7	1072.8	1140.0
562	1464.7	1014.1	1140.0	563	1661.3	1049.0	1140.0	564	1661.3	990.2	1140.0
565	1759.6	1037.0	1140.0	566	1759.6	978.3	1140.0	567	1857.9	1025.1	1140.0
568	1857.9	966.3	1140.0	569	1956.2	1013.1	1140.0	570	1956.2	954.4	1140.0
571	2054.5	1001.2	1140.0	572	2054.5	942.4	1140.0	573	2152.8	989.2	1140.0
574	2152.8	930.5	1140.0	575	2251.1	977.3	1140.0	576	2251.1	918.5	1140.0
577	2349.4	965.4	1140.0	578	2349.4	906.6	1140.0	579	2447.7	953.4	1140.0
580	2447.7	894.7	1140.0	581	2546.0	941.5	1140.0	582	2546.0	882.7	1140.0
583	2644.3	929.5	1140.0	584	2644.3	870.8	1140.0	585	1661.3	830.7	1140.0
586	1661.3	730.0	1140.0	587	1759.6	818.8	1140.0	588	1759.6	718.0	1140.0
589	1857.9	806.8	1140.0	590	1857.9	706.1	1140.0	591	1956.2	794.9	1140.0
592	1956.2	694.1	1140.0	593	2054.5	782.9	1140.0	594	2054.5	682.2	1140.0
595	2152.8	771.0	1140.0	596	2152.8	670.3	1140.0	597	2251.1	759.0	1140.0
598	2251.1	658.3	1140.0	599	2349.4	747.1	1140.0	600	2349.4	646.4	1140.0
601	2447.7	735.2	1140.0	602	2447.7	634.4	1140.0	603	2546.0	723.2	1140.0
604	2546.0	622.5	1140.0	605	2644.3	711.3	1140.0	606	2644.3	610.5	1140.0
607	1661.3	528.5	1140.0	608	1661.3	427.8	1140.0	609	1759.6	516.6	1140.0
610	1759.6	415.8	1140.0	611	1857.9	504.6	1140.0	612	1857.9	403.9	1140.0
613	1956.2	492.7	1140.0	614	1956.2	391.9	1140.0	615	2054.5	480.7	1140.0
616	2054.5	380.0	1140.0	617	2152.8	468.8	1140.0	618	2152.8	368.0	1140.0
619	2251.1	456.8	1140.0	620	2251.1	356.1	1140.0	621	2349.4	444.9	1140.0
622	2349.4	344.2	1140.0	623	2447.7	433.0	1140.0	624	2447.7	332.2	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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625	2546.0	421.0	1140.0	626	2546.0	320.3	1140.0	627	2644.3	409.1	1140.0
628	2644.3	308.3	1140.0	629	1661.3	226.3	1140.0	630	1661.3	125.6	1140.0
631	1759.6	214.3	1140.0	632	1759.6	113.6	1140.0	633	1857.9	202.4	1140.0
634	1857.9	101.7	1140.0	635	1956.2	190.5	1140.0	636	1956.2	89.7	1140.0
637	2054.5	178.5	1140.0	638	2054.5	77.8	1140.0	639	2152.8	166.6	1140.0
640	2152.8	65.8	1140.0	641	2251.1	154.6	1140.0	642	2251.1	53.9	1140.0
643	2349.4	142.7	1140.0	644	2349.4	42.0	1140.0	645	2447.7	130.7	1140.0
646	2447.7	30.0	1140.0	647	2546.0	118.8	1140.0	648	2546.0	18.1	1140.0
649	2644.3	106.9	1140.0	650	2644.3	6.1	1140.0	651	1661.3	-33.9	1140.0
652	1661.3	-92.7	1140.0	653	1759.6	-45.9	1140.0	654	1759.6	-104.6	1140.0
655	1857.9	-57.8	1140.0	656	1857.9	-116.6	1140.0	657	1956.2	-69.8	1140.0
658	1956.2	-128.5	1140.0	659	2054.5	-81.7	1140.0	660	2054.5	-140.5	1140.0
661	2152.8	-93.7	1140.0	662	2152.8	-152.4	1140.0	663	2251.1	-105.6	1140.0
664	2251.1	-164.4	1140.0	665	2349.4	-117.5	1140.0	666	2349.4	-176.3	1140.0
667	2447.7	-129.5	1140.0	668	2447.7	-188.2	1140.0	669	2546.0	-141.4	1140.0
670	2546.0	-200.2	1140.0	671	2644.3	-153.4	1140.0	672	2644.3	-212.1	1140.0
673	481.7	974.0	1140.0	674	481.7	873.3	1140.0	675	580.0	962.1	1140.0
676	580.0	861.3	1140.0	677	678.3	950.1	1140.0	678	678.3	849.4	1140.0
679	776.6	938.2	1140.0	680	776.6	837.5	1140.0	681	874.9	926.2	1140.0
682	874.9	825.5	1140.0	683	973.2	914.3	1140.0	684	973.2	813.6	1140.0
685	1071.5	902.4	1140.0	686	1071.5	801.6	1140.0	687	1169.8	890.4	1140.0
688	1169.8	789.7	1140.0	689	1268.1	878.5	1140.0	690	1268.1	777.7	1140.0
691	1366.4	866.5	1140.0	692	1366.4	765.8	1140.0	693	1464.7	854.6	1140.0
694	1464.7	753.9	1140.0	695	481.7	671.8	1140.0	696	481.7	571.1	1140.0
697	580.0	659.9	1140.0	698	580.0	559.1	1140.0	699	678.3	647.9	1140.0
700	678.3	547.2	1140.0	701	776.6	636.0	1140.0	702	776.6	535.2	1140.0
703	874.9	624.0	1140.0	704	874.9	523.3	1140.0	705	973.2	612.1	1140.0
706	973.2	511.4	1140.0	707	1071.5	600.2	1140.0	708	1071.5	499.4	1140.0
709	1169.8	588.2	1140.0	710	1169.8	487.5	1140.0	711	1268.1	576.3	1140.0
712	1268.1	475.5	1140.0	713	1366.4	564.3	1140.0	714	1366.4	463.6	1140.0
715	1464.7	552.4	1140.0	716	1464.7	451.6	1140.0	717	481.7	369.6	1140.0
718	481.7	268.9	1140.0	719	580.0	357.7	1140.0	720	580.0	256.9	1140.0
721	678.3	345.7	1140.0	722	678.3	245.0	1140.0	723	776.6	333.8	1140.0
724	776.6	233.0	1140.0	725	874.9	321.8	1140.0	726	874.9	221.1	1140.0
727	973.2	309.9	1140.0	728	973.2	209.2	1140.0	729	1071.5	297.9	1140.0
730	1071.5	197.2	1140.0	731	1169.8	286.0	1140.0	732	1169.8	185.3	1140.0
733	1268.1	274.1	1140.0	734	1268.1	173.3	1140.0	735	1366.4	262.1	1140.0
736	1366.4	161.4	1140.0	737	1464.7	250.2	1140.0	738	1464.7	149.4	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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739	481.7	109.4	1140.0	740	481.7	50.6	1140.0	741	580.0	97.4	1140.0
742	580.0	38.7	1140.0	743	678.3	85.5	1140.0	744	678.3	26.7	1140.0
745	776.6	73.5	1140.0	746	776.6	14.8	1140.0	747	874.9	61.6	1140.0
748	874.9	2.8	1140.0	749	973.2	49.7	1140.0	750	973.2	-9.1	1140.0
751	1071.5	37.7	1140.0	752	1071.5	-21.0	1140.0	753	1169.8	25.8	1140.0
754	1169.8	-33.0	1140.0	755	1268.1	13.8	1140.0	756	1268.1	-44.9	1140.0
757	1366.4	1.9	1140.0	758	1366.4	-56.9	1140.0	759	1464.7	-10.1	1140.0
760	1464.7	-68.8	1140.0	761	3040.3	881.4	1140.0	762	3040.3	822.7	1140.0
763	3158.0	867.1	1140.0	764	3158.0	808.4	1140.0	765	3275.6	852.8	1140.0
766	3275.6	794.1	1140.0	767	3393.3	838.5	1140.0	768	3393.3	779.8	1140.0
769	3511.0	824.2	1140.0	770	3511.0	765.5	1140.0	771	3628.7	809.9	1140.0
772	3628.7	751.2	1140.0	773	3746.4	795.6	1140.0	774	3746.4	736.9	1140.0
775	3864.0	781.3	1140.0	776	3864.0	722.6	1140.0	777	3981.7	767.0	1140.0
778	3981.7	708.3	1140.0	779	4099.4	752.7	1140.0	780	4099.4	694.0	1140.0
781	4217.1	738.5	1140.0	782	4217.1	679.7	1140.0	783	3040.3	663.2	1140.0
784	3040.3	562.4	1140.0	785	3158.0	648.9	1140.0	786	3158.0	548.1	1140.0
787	3275.6	634.6	1140.0	788	3275.6	533.8	1140.0	789	3393.3	620.3	1140.0
790	3393.3	519.5	1140.0	791	3511.0	606.0	1140.0	792	3511.0	505.2	1140.0
793	3628.7	591.7	1140.0	794	3628.7	490.9	1140.0	795	3746.4	577.4	1140.0
796	3746.4	476.6	1140.0	797	3864.0	563.1	1140.0	798	3864.0	462.3	1140.0
799	3981.7	548.8	1140.0	800	3981.7	448.0	1140.0	801	4099.4	534.5	1140.0
802	4099.4	433.8	1140.0	803	4217.1	520.2	1140.0	804	4217.1	419.5	1140.0
805	3040.3	361.0	1140.0	806	3040.3	260.2	1140.0	807	3158.0	346.7	1140.0
808	3158.0	245.9	1140.0	809	3275.6	332.4	1140.0	810	3275.6	231.6	1140.0
811	3393.3	318.1	1140.0	812	3393.3	217.3	1140.0	813	3511.0	303.8	1140.0
814	3511.0	203.0	1140.0	815	3628.7	289.5	1140.0	816	3628.7	188.7	1140.0
817	3746.4	275.2	1140.0	818	3746.4	174.4	1140.0	819	3864.0	260.9	1140.0
820	3864.0	160.1	1140.0	821	3981.7	246.6	1140.0	822	3981.7	145.8	1140.0
823	4099.4	232.3	1140.0	824	4099.4	131.5	1140.0	825	4217.1	218.0	1140.0
826	4217.1	117.2	1140.0	827	3040.3	58.8	1140.0	828	3040.3	-42.0	1140.0
829	3158.0	44.5	1140.0	830	3158.0	-56.3	1140.0	831	3275.6	30.2	1140.0
832	3275.6	-70.6	1140.0	833	3393.3	15.9	1140.0	834	3393.3	-84.9	1140.0
835	3511.0	1.6	1140.0	836	3511.0	-99.2	1140.0	837	3628.7	-12.7	1140.0
838	3628.7	-113.5	1140.0	839	3746.4	-27.0	1140.0	840	3746.4	-127.8	1140.0
841	3864.0	-41.3	1140.0	842	3864.0	-142.1	1140.0	843	3981.7	-55.6	1140.0
844	3981.7	-156.4	1140.0	845	4099.4	-69.9	1140.0	846	4099.4	-170.7	1140.0
847	4217.1	-84.2	1140.0	848	4217.1	-185.0	1140.0	849	3040.3	-201.5	1140.0
850	3040.3	-260.2	1140.0	851	3158.0	-215.8	1140.0	852	3158.0	-274.5	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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853	3275.6	-230.1	1140.0	854	3275.6	-288.8	1140.0	855	3393.3	-244.4	1140.0
856	3393.3	-303.1	1140.0	857	3511.0	-258.7	1140.0	858	3511.0	-317.4	1140.0
859	3628.7	-273.0	1140.0	860	3628.7	-331.7	1140.0	861	3746.4	-287.3	1140.0
862	3746.4	-346.0	1140.0	863	3864.0	-301.6	1140.0	864	3864.0	-360.3	1140.0
865	3981.7	-315.9	1140.0	866	3981.7	-374.6	1140.0	867	4099.4	-330.2	1140.0
868	4099.4	-388.9	1140.0	869	4217.1	-344.5	1140.0	870	4217.1	-403.2	1140.0
871	4452.4	709.9	1140.0	872	4452.4	651.1	1140.0	873	4570.1	695.6	1140.0
874	4570.1	636.8	1140.0	875	4687.8	681.3	1140.0	876	4687.8	622.5	1140.0
877	4805.5	667.0	1140.0	878	4805.5	608.2	1140.0	879	4923.1	652.7	1140.0
880	4923.1	593.9	1140.0	881	5040.8	638.4	1140.0	882	5040.8	579.6	1140.0
883	5158.5	624.1	1140.0	884	5158.5	565.3	1140.0	885	5276.2	609.8	1140.0
886	5276.2	551.0	1140.0	887	5393.9	595.5	1140.0	888	5393.9	536.7	1140.0
889	5511.5	581.2	1140.0	890	5511.5	522.4	1140.0	891	5629.2	566.9	1140.0
892	5629.2	508.1	1140.0	893	4452.4	491.6	1140.0	894	4452.4	390.9	1140.0
895	4570.1	477.3	1140.0	896	4570.1	376.6	1140.0	897	4687.8	463.0	1140.0
898	4687.8	362.3	1140.0	899	4805.5	448.7	1140.0	900	4805.5	348.0	1140.0
901	4923.1	434.4	1140.0	902	4923.1	333.7	1140.0	903	5040.8	420.1	1140.0
904	5040.8	319.4	1140.0	905	5158.5	405.8	1140.0	906	5158.5	305.1	1140.0
907	5276.2	391.5	1140.0	908	5276.2	290.8	1140.0	909	5393.9	377.2	1140.0
910	5393.9	276.5	1140.0	911	5511.5	362.9	1140.0	912	5511.5	262.2	1140.0
913	5629.2	348.6	1140.0	914	5629.2	247.9	1140.0	915	4452.4	189.4	1140.0
916	4452.4	88.7	1140.0	917	4570.1	175.1	1140.0	918	4570.1	74.4	1140.0
919	4687.8	160.8	1140.0	920	4687.8	60.1	1140.0	921	4805.5	146.5	1140.0
922	4805.5	45.8	1140.0	923	4923.1	132.2	1140.0	924	4923.1	31.5	1140.0
925	5040.8	117.9	1140.0	926	5040.8	17.2	1140.0	927	5158.5	103.6	1140.0
928	5158.5	2.9	1140.0	929	5276.2	89.3	1140.0	930	5276.2	-11.4	1140.0
931	5393.9	75.0	1140.0	932	5393.9	-25.7	1140.0	933	5511.5	60.7	1140.0
934	5511.5	-40.0	1140.0	935	5629.2	46.4	1140.0	936	5629.2	-54.3	1140.0
937	4452.4	-112.8	1140.0	938	4452.4	-213.6	1140.0	939	4570.1	-127.1	1140.0
940	4570.1	-227.8	1140.0	941	4687.8	-141.4	1140.0	942	4687.8	-242.1	1140.0
943	4805.5	-155.7	1140.0	944	4805.5	-256.4	1140.0	945	4923.1	-170.0	1140.0
946	4923.1	-270.7	1140.0	947	5040.8	-184.3	1140.0	948	5040.8	-285.0	1140.0
949	5158.5	-198.6	1140.0	950	5158.5	-299.3	1140.0	951	5276.2	-212.9	1140.0
952	5276.2	-313.6	1140.0	953	5393.9	-227.2	1140.0	954	5393.9	-327.9	1140.0
955	5511.5	-241.5	1140.0	956	5511.5	-342.2	1140.0	957	5629.2	-255.8	1140.0
958	5629.2	-356.5	1140.0	959	4452.4	-373.0	1140.0	960	4452.4	-431.8	1140.0
961	4570.1	-387.3	1140.0	962	4570.1	-446.1	1140.0	963	4687.8	-401.6	1140.0
964	4687.8	-460.4	1140.0	965	4805.5	-415.9	1140.0	966	4805.5	-474.7	1140.0

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

967	4923.1	-430.2	1140.0	968	4923.1	-489.0	1140.0	969	5040.8	-444.5	1140.0
970	5040.8	-503.3	1140.0	971	5158.5	-458.8	1140.0	972	5158.5	-517.6	1140.0
973	5276.2	-473.1	1140.0	974	5276.2	-531.9	1140.0	975	5393.9	-487.4	1140.0
976	5393.9	-546.2	1140.0	977	5511.5	-501.7	1140.0	978	5511.5	-560.5	1140.0
979	5629.2	-516.0	1140.0	980	5629.2	-574.8	1140.0	981	6025.2	518.8	1140.0
982	6025.2	460.0	1140.0	983	6123.5	506.8	1140.0	984	6123.5	448.1	1140.0
985	6221.8	494.9	1140.0	986	6221.8	436.1	1140.0	987	6320.1	482.9	1140.0
988	6320.1	424.2	1140.0	989	6418.4	471.0	1140.0	990	6418.4	412.2	1140.0
991	6516.7	459.1	1140.0	992	6516.7	400.3	1140.0	993	6615.0	447.1	1140.0
994	6615.0	388.4	1140.0	995	6713.3	435.2	1140.0	996	6713.3	376.4	1140.0
997	6811.6	423.2	1140.0	998	6811.6	364.5	1140.0	999	6909.9	411.3	1140.0
1000	6909.9	352.5	1140.0	1001	7008.2	399.3	1140.0	1002	7008.2	340.6	1140.0
1003	7204.8	375.5	1140.0	1004	7204.8	316.7	1140.0	1005	7303.1	363.5	1140.0
1006	7303.1	304.8	1140.0	1007	7401.4	351.6	1140.0	1008	7401.4	292.8	1140.0
1009	7499.7	339.6	1140.0	1010	7499.7	280.9	1140.0	1011	7598.0	327.7	1140.0
1012	7598.0	268.9	1140.0	1013	7696.3	315.7	1140.0	1014	7696.3	257.0	1140.0
1015	7794.6	303.8	1140.0	1016	7794.6	245.0	1140.0	1017	7892.9	291.9	1140.0
1018	7892.9	233.1	1140.0	1019	7991.2	279.9	1140.0	1020	7991.2	221.2	1140.0
1021	8089.5	268.0	1140.0	1022	8089.5	209.2	1140.0	1023	8187.8	256.0	1140.0
1024	8187.8	197.3	1140.0	1025	7204.8	157.2	1140.0	1026	7204.8	56.5	1140.0
1027	7303.1	145.3	1140.0	1028	7303.1	44.5	1140.0	1029	7401.4	133.3	1140.0
1030	7401.4	32.6	1140.0	1031	7499.7	121.4	1140.0	1032	7499.7	20.6	1140.0
1033	7598.0	109.4	1140.0	1034	7598.0	8.7	1140.0	1035	7696.3	97.5	1140.0
1036	7696.3	-3.3	1140.0	1037	7794.6	85.5	1140.0	1038	7794.6	-15.2	1140.0
1039	7892.9	73.6	1140.0	1040	7892.9	-27.1	1140.0	1041	7991.2	61.7	1140.0
1042	7991.2	-39.1	1140.0	1043	8089.5	49.7	1140.0	1044	8089.5	-51.0	1140.0
1045	8187.8	37.8	1140.0	1046	8187.8	-63.0	1140.0	1047	7204.8	-145.0	1140.0
1048	7204.8	-245.7	1140.0	1049	7303.1	-157.0	1140.0	1050	7303.1	-257.7	1140.0
1051	7401.4	-168.9	1140.0	1052	7401.4	-269.6	1140.0	1053	7499.7	-180.8	1140.0
1054	7499.7	-281.6	1140.0	1055	7598.0	-192.8	1140.0	1056	7598.0	-293.5	1140.0
1057	7696.3	-204.7	1140.0	1058	7696.3	-305.5	1140.0	1059	7794.6	-216.7	1140.0
1060	7794.6	-317.4	1140.0	1061	7892.9	-228.6	1140.0	1062	7892.9	-329.3	1140.0
1063	7991.2	-240.6	1140.0	1064	7991.2	-341.3	1140.0	1065	8089.5	-252.5	1140.0
1066	8089.5	-353.2	1140.0	1067	8187.8	-264.4	1140.0	1068	8187.8	-365.2	1140.0
1069	7204.8	-447.2	1140.0	1070	7204.8	-547.9	1140.0	1071	7303.1	-459.2	1140.0
1072	7303.1	-559.9	1140.0	1073	7401.4	-471.1	1140.0	1074	7401.4	-571.8	1140.0
1075	7499.7	-483.0	1140.0	1076	7499.7	-583.8	1140.0	1077	7598.0	-495.0	1140.0
1078	7598.0	-595.7	1140.0	1079	7696.3	-506.9	1140.0	1080	7696.3	-607.7	1140.0

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1081	7794.6	-518.9	1140.0	1082	7794.6	-619.6	1140.0	1083	7892.9	-530.8	1140.0
1084	7892.9	-631.5	1140.0	1085	7991.2	-542.8	1140.0	1086	7991.2	-643.5	1140.0
1087	8089.5	-554.7	1140.0	1088	8089.5	-655.4	1140.0	1089	8187.8	-566.6	1140.0
1090	8187.8	-667.4	1140.0	1091	7204.8	-707.4	1140.0	1092	7204.8	-766.2	1140.0
1093	7303.1	-719.4	1140.0	1094	7303.1	-778.2	1140.0	1095	7401.4	-731.3	1140.0
1096	7401.4	-790.1	1140.0	1097	7499.7	-743.3	1140.0	1098	7499.7	-802.0	1140.0
1099	7598.0	-755.2	1140.0	1100	7598.0	-814.0	1140.0	1101	7696.3	-767.2	1140.0
1102	7696.3	-825.9	1140.0	1103	7794.6	-779.1	1140.0	1104	7794.6	-837.9	1140.0
1105	7892.9	-791.0	1140.0	1106	7892.9	-849.8	1140.0	1107	7991.2	-803.0	1140.0
1108	7991.2	-861.8	1140.0	1109	8089.5	-814.9	1140.0	1110	8089.5	-873.7	1140.0
1111	8187.8	-826.9	1140.0	1112	8187.8	-885.6	1140.0	1113	6025.2	300.5	1140.0
1114	6025.2	199.8	1140.0	1115	6123.5	288.6	1140.0	1116	6123.5	187.8	1140.0
1117	6221.8	276.6	1140.0	1118	6221.8	175.9	1140.0	1119	6320.1	264.7	1140.0
1120	6320.1	164.0	1140.0	1121	6418.4	252.7	1140.0	1122	6418.4	152.0	1140.0
1123	6516.7	240.8	1140.0	1124	6516.7	140.1	1140.0	1125	6615.0	228.9	1140.0
1126	6615.0	128.1	1140.0	1127	6713.3	216.9	1140.0	1128	6713.3	116.2	1140.0
1129	6811.6	205.0	1140.0	1130	6811.6	104.2	1140.0	1131	6909.9	193.0	1140.0
1132	6909.9	92.3	1140.0	1133	7008.2	181.1	1140.0	1134	7008.2	80.3	1140.0
1135	6025.2	-1.7	1140.0	1136	6025.2	-102.4	1140.0	1137	6123.5	-13.6	1140.0
1138	6123.5	-114.4	1140.0	1139	6221.8	-25.6	1140.0	1140	6221.8	-126.3	1140.0
1141	6320.1	-37.5	1140.0	1142	6320.1	-138.3	1140.0	1143	6418.4	-49.5	1140.0
1144	6418.4	-150.2	1140.0	1145	6516.7	-61.4	1140.0	1146	6516.7	-162.1	1140.0
1147	6615.0	-73.3	1140.0	1148	6615.0	-174.1	1140.0	1149	6713.3	-85.3	1140.0
1150	6713.3	-186.0	1140.0	1151	6811.6	-97.2	1140.0	1152	6811.6	-198.0	1140.0
1153	6909.9	-109.2	1140.0	1154	6909.9	-209.9	1140.0	1155	7008.2	-121.1	1140.0
1156	7008.2	-221.9	1140.0	1157	6025.2	-303.9	1140.0	1158	6025.2	-404.6	1140.0
1159	6123.5	-315.8	1140.0	1160	6123.5	-416.6	1140.0	1161	6221.8	-327.8	1140.0
1162	6221.8	-428.5	1140.0	1163	6320.1	-339.7	1140.0	1164	6320.1	-440.5	1140.0
1165	6418.4	-351.7	1140.0	1166	6418.4	-452.4	1140.0	1167	6516.7	-363.6	1140.0
1168	6516.7	-464.3	1140.0	1169	6615.0	-375.6	1140.0	1170	6615.0	-476.3	1140.0
1171	6713.3	-387.5	1140.0	1172	6713.3	-488.2	1140.0	1173	6811.6	-399.4	1140.0
1174	6811.6	-500.2	1140.0	1175	6909.9	-411.4	1140.0	1176	6909.9	-512.1	1140.0
1177	7008.2	-423.3	1140.0	1178	7008.2	-524.1	1140.0	1179	6025.2	-564.1	1140.0
1180	6025.2	-622.9	1140.0	1181	6123.5	-576.1	1140.0	1182	6123.5	-634.8	1140.0
1183	6221.8	-588.0	1140.0	1184	6221.8	-646.8	1140.0	1185	6320.1	-600.0	1140.0
1186	6320.1	-658.7	1140.0	1187	6418.4	-611.9	1140.0	1188	6418.4	-670.7	1140.0
1189	6516.7	-623.8	1140.0	1190	6516.7	-682.6	1140.0	1191	6615.0	-635.8	1140.0
1192	6615.0	-694.5	1140.0	1193	6713.3	-647.7	1140.0	1194	6713.3	-706.5	1140.0

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1195	6811.6	-659.7	1140.0	1196	6811.6	-718.4	1140.0	1197	6909.9	-671.6	1140.0
1198	6909.9	-730.4	1140.0	1199	7008.2	-683.6	1140.0	1200	7008.2	-742.3	1140.0
1201	383.4	1086.7	980.0	1202	383.4	784.5	980.0	1203	383.4	482.3	980.0
1204	383.4	180.1	980.0	1205	2742.6	800.1	980.0	1206	2742.6	497.9	980.0
1207	2742.6	195.7	980.0	1208	2742.6	-106.6	980.0	1209	2922.6	-128.4	980.0
1210	2922.6	173.8	980.0	1211	2922.6	476.0	980.0	1212	2922.6	778.2	980.0
1213	5746.9	-471.6	980.0	1214	5746.9	-169.3	980.0	1215	5746.9	132.9	980.0
1216	5746.9	435.1	980.0	1217	5926.9	413.2	980.0	1218	5926.9	111.0	980.0
1219	5926.9	-191.2	980.0	1220	5926.9	-493.4	980.0	1221	8286.1	126.6	980.0
1222	8286.1	-175.6	980.0	1223	8286.1	-477.9	980.0	1224	8286.1	-780.1	980.0
1225	383.4	1086.7	965.0	1226	383.4	784.5	965.0	1227	383.4	482.3	965.0
1228	383.4	180.1	965.0	1229	2742.6	800.1	965.0	1230	2742.6	497.9	965.0
1231	2742.6	195.7	965.0	1232	2742.6	-106.6	965.0	1233	2922.6	-128.4	965.0
1234	2922.6	173.8	965.0	1235	2922.6	476.0	965.0	1236	2922.6	778.2	965.0
1237	5746.9	-471.6	965.0	1238	5746.9	-169.3	965.0	1239	5746.9	132.9	965.0
1240	5746.9	435.1	965.0	1241	5926.9	413.2	965.0	1242	5926.9	111.0	965.0
1243	5926.9	-191.2	965.0	1244	5926.9	-493.4	965.0	1245	8286.1	126.6	965.0
1246	8286.1	-175.6	965.0	1247	8286.1	-477.9	965.0	1248	8286.1	-780.1	965.0
1249	383.4	1086.7	870.0	1250	383.4	784.5	870.0	1251	383.4	482.3	870.0
1252	383.4	180.1	870.0	1253	2742.6	800.1	870.0	1254	2742.6	497.9	870.0
1255	2742.6	195.7	870.0	1256	2742.6	-106.6	870.0	1257	2922.6	-128.4	870.0
1258	2922.6	173.8	870.0	1259	2922.6	476.0	870.0	1260	2922.6	778.2	870.0
1261	5746.9	-471.6	870.0	1262	5746.9	-169.3	870.0	1263	5746.9	132.9	870.0
1264	5746.9	435.1	870.0	1265	5926.9	413.2	870.0	1266	5926.9	111.0	870.0
1267	5926.9	-191.2	870.0	1268	5926.9	-493.4	870.0	1269	8286.1	126.6	870.0
1270	8286.1	-175.6	870.0	1271	8286.1	-477.9	870.0	1272	8286.1	-780.1	870.0
1273	653.4	751.7	0.0	1274	-93.3	842.4	0.0	1275	653.4	852.4	0.0
1276	-93.3	976.7	0.0	1277	8286.1	-477.9	783.0	1278	8286.1	-578.6	783.0
1279	8286.1	-578.6	870.0	1280	8286.1	-477.9	696.0	1281	8286.1	-578.6	696.0
1282	8286.1	-477.9	609.0	1283	8286.1	-578.6	609.0	1284	8286.1	-477.9	522.0
1285	8286.1	-578.6	522.0	1286	8286.1	-477.9	435.0	1287	8286.1	-578.6	435.0
1288	8286.1	-477.9	348.0	1289	8286.1	-578.6	348.0	1290	8286.1	-477.9	261.0
1291	8286.1	-578.6	261.0	1292	8286.1	-477.9	174.0	1293	8286.1	-578.6	174.0
1294	8286.1	-477.9	87.0	1295	8286.1	-578.6	87.0	1296	653.4	550.2	0.0
1297	8286.1	-679.3	783.0	1298	8286.1	-679.3	870.0	1299	8286.1	-679.3	696.0
1300	8286.1	-679.3	609.0	1301	8286.1	-679.3	522.0	1302	8286.1	-679.3	435.0
1303	8286.1	-679.3	348.0	1304	8286.1	-679.3	261.0	1305	8286.1	-679.3	174.0
1306	8286.1	-679.3	87.0	1307	-93.3	691.3	0.0	1308	8286.1	-780.1	783.0

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1309	8286.1	-780.1	696.0	1310	8286.1	-780.1	609.0	1311	8286.1	-780.1	522.0
1312	8286.1	-780.1	435.0	1313	8286.1	-780.1	348.0	1314	8286.1	-780.1	261.0
1315	8286.1	-780.1	174.0	1316	8286.1	-780.1	87.0	1317	8286.1	-175.6	783.0
1318	8286.1	-276.4	783.0	1319	8286.1	-276.4	870.0	1320	8286.1	-175.6	696.0
1321	8286.1	-276.4	696.0	1322	8286.1	-175.6	609.0	1323	8286.1	-276.4	609.0
1324	8286.1	-175.6	522.0	1325	8286.1	-276.4	522.0	1326	8286.1	-175.6	435.0
1327	8286.1	-276.4	435.0	1328	8286.1	-175.6	348.0	1329	8286.1	-276.4	348.0
1330	8286.1	-175.6	261.0	1331	8286.1	-276.4	261.0	1332	8286.1	-175.6	174.0
1333	8286.1	-276.4	174.0	1334	8286.1	-175.6	87.0	1335	8286.1	-276.4	87.0
1336	653.4	449.5	0.0	1337	8286.1	-377.1	783.0	1338	8286.1	-377.1	870.0
1339	8286.1	-377.1	696.0	1340	8286.1	-377.1	609.0	1341	8286.1	-377.1	522.0
1342	8286.1	-377.1	435.0	1343	8286.1	-377.1	348.0	1344	8286.1	-377.1	261.0
1345	8286.1	-377.1	174.0	1346	8286.1	-377.1	87.0	1347	-93.3	540.2	0.0
1348	8286.1	126.6	783.0	1349	8286.1	25.8	783.0	1350	8286.1	25.8	870.0
1351	8286.1	126.6	696.0	1352	8286.1	25.8	696.0	1353	8286.1	126.6	609.0
1354	8286.1	25.8	609.0	1355	8286.1	126.6	522.0	1356	8286.1	25.8	522.0
1357	8286.1	126.6	435.0	1358	8286.1	25.8	435.0	1359	8286.1	126.6	348.0
1360	8286.1	25.8	348.0	1361	8286.1	126.6	261.0	1362	8286.1	25.8	261.0
1363	8286.1	126.6	174.0	1364	8286.1	25.8	174.0	1365	8286.1	126.6	87.0
1366	8286.1	25.8	87.0	1367	653.4	315.2	0.0	1368	8286.1	-74.9	783.0
1369	8286.1	-74.9	870.0	1370	8286.1	-74.9	696.0	1371	8286.1	-74.9	609.0
1372	8286.1	-74.9	522.0	1373	8286.1	-74.9	435.0	1374	8286.1	-74.9	348.0
1375	8286.1	-74.9	261.0	1376	8286.1	-74.9	174.0	1377	8286.1	-74.9	87.0
1378	-93.3	405.9	0.0	1379	8286.1	302.8	870.0	1380	8286.1	-956.3	870.0
1381	653.4	-29.0	0.0	1382	-93.3	61.7	0.0	1383	8286.1	-838.8	783.0
1384	8286.1	-838.8	870.0	1385	8286.1	-838.8	696.0	1386	8286.1	-838.8	609.0
1387	8286.1	-838.8	522.0	1388	8286.1	-838.8	435.0	1389	8286.1	-838.8	348.0
1390	8286.1	-838.8	261.0	1391	8286.1	-838.8	174.0	1392	8286.1	-838.8	87.0
1393	653.4	29.7	0.0	1394	8286.1	-897.6	783.0	1395	8286.1	-897.6	870.0
1396	8286.1	-897.6	696.0	1397	8286.1	-897.6	609.0	1398	8286.1	-897.6	522.0
1399	8286.1	-897.6	435.0	1400	8286.1	-897.6	348.0	1401	8286.1	-897.6	261.0
1402	8286.1	-897.6	174.0	1403	8286.1	-897.6	87.0	1404	-93.3	120.5	0.0
1405	8286.1	-956.3	783.0	1406	8286.1	-956.3	696.0	1407	8286.1	-956.3	609.0
1408	8286.1	-956.3	522.0	1409	8286.1	-956.3	435.0	1410	8286.1	-956.3	348.0
1411	8286.1	-956.3	261.0	1412	8286.1	-956.3	174.0	1413	8286.1	-956.3	87.0
1414	8286.1	185.3	783.0	1415	8286.1	185.3	870.0	1416	8286.1	185.3	696.0
1417	8286.1	185.3	609.0	1418	8286.1	185.3	522.0	1419	8286.1	185.3	435.0
1420	8286.1	185.3	348.0	1421	8286.1	185.3	261.0	1422	8286.1	185.3	174.0

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1423	8286.1	185.3	87.0	1424	653.4	88.5	0.0	1425	8286.1	244.1	783.0
1426	8286.1	244.1	870.0	1427	8286.1	244.1	696.0	1428	8286.1	244.1	609.0
1429	8286.1	244.1	522.0	1430	8286.1	244.1	435.0	1431	8286.1	244.1	348.0
1432	8286.1	244.1	261.0	1433	8286.1	244.1	174.0	1434	8286.1	244.1	87.0
1435	-93.3	179.2	0.0	1436	8286.1	302.8	783.0	1437	8286.1	302.8	696.0
1438	8286.1	302.8	609.0	1439	8286.1	302.8	522.0	1440	8286.1	302.8	435.0
1441	8286.1	302.8	348.0	1442	8286.1	302.8	261.0	1443	8286.1	302.8	174.0
1444	8286.1	302.8	87.0	1445	5836.9	600.4	870.0	1446	5836.9	-658.8	0.0
1447	5836.9	600.4	0.0	1448	5836.9	424.1	0.0	1449	5836.9	-482.5	0.0
1450	5836.9	121.9	0.0	1451	5836.9	-180.3	0.0	1452	2912.0	897.0	870.0
1453	5836.9	-658.8	870.0	1454	5836.9	424.1	870.0	1455	5836.9	121.9	870.0
1456	5836.9	-180.3	870.0	1457	5836.9	-482.5	870.0	1458	5836.9	-482.5	783.0
1459	5836.9	-541.3	783.0	1460	5836.9	-541.3	870.0	1461	5836.9	-482.5	696.0
1462	5836.9	-541.3	696.0	1463	5836.9	-482.5	609.0	1464	5836.9	-541.3	609.0
1465	5836.9	-482.5	522.0	1466	5836.9	-541.3	522.0	1467	5836.9	-482.5	435.0
1468	5836.9	-541.3	435.0	1469	5836.9	-482.5	348.0	1470	5836.9	-541.3	348.0
1471	5836.9	-482.5	261.0	1472	5836.9	-541.3	261.0	1473	5836.9	-482.5	174.0
1474	5836.9	-541.3	174.0	1475	5836.9	-482.5	87.0	1476	5836.9	-541.3	87.0
1477	5836.9	-541.3	0.0	1478	5836.9	-600.0	783.0	1479	5836.9	-600.0	870.0
1480	5836.9	-600.0	696.0	1481	5836.9	-600.0	609.0	1482	5836.9	-600.0	522.0
1483	5836.9	-600.0	435.0	1484	5836.9	-600.0	348.0	1485	5836.9	-600.0	261.0
1486	5836.9	-600.0	174.0	1487	5836.9	-600.0	87.0	1488	5836.9	-600.0	0.0
1489	5836.9	-658.8	783.0	1490	5836.9	-658.8	696.0	1491	5836.9	-658.8	609.0
1492	5836.9	-658.8	522.0	1493	5836.9	-658.8	435.0	1494	5836.9	-658.8	348.0
1495	5836.9	-658.8	261.0	1496	5836.9	-658.8	174.0	1497	5836.9	-658.8	87.0
1498	5836.9	-180.3	783.0	1499	5836.9	-281.0	783.0	1500	5836.9	-281.0	870.0
1501	5836.9	-180.3	696.0	1502	5836.9	-281.0	696.0	1503	5836.9	-180.3	609.0
1504	5836.9	-281.0	609.0	1505	5836.9	-180.3	522.0	1506	5836.9	-281.0	522.0
1507	5836.9	-180.3	435.0	1508	5836.9	-281.0	435.0	1509	5836.9	-180.3	348.0
1510	5836.9	-281.0	348.0	1511	5836.9	-180.3	261.0	1512	5836.9	-281.0	261.0
1513	5836.9	-180.3	174.0	1514	5836.9	-281.0	174.0	1515	5836.9	-180.3	87.0
1516	5836.9	-281.0	87.0	1517	5836.9	-281.0	0.0	1518	5836.9	-381.8	783.0
1519	5836.9	-381.8	870.0	1520	5836.9	-381.8	696.0	1521	5836.9	-381.8	609.0
1522	5836.9	-381.8	522.0	1523	5836.9	-381.8	435.0	1524	5836.9	-381.8	348.0
1525	5836.9	-381.8	261.0	1526	5836.9	-381.8	174.0	1527	5836.9	-381.8	87.0
1528	5836.9	-381.8	0.0	1529	5836.9	121.9	783.0	1530	5836.9	21.2	783.0
1531	5836.9	21.2	870.0	1532	5836.9	121.9	696.0	1533	5836.9	21.2	696.0
1534	5836.9	121.9	609.0	1535	5836.9	21.2	609.0	1536	5836.9	121.9	522.0

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1537	5836.9	21.2	522.0	1538	5836.9	121.9	435.0	1539	5836.9	21.2	435.0
1540	5836.9	121.9	348.0	1541	5836.9	21.2	348.0	1542	5836.9	121.9	261.0
1543	5836.9	21.2	261.0	1544	5836.9	121.9	174.0	1545	5836.9	21.2	174.0
1546	5836.9	121.9	87.0	1547	5836.9	21.2	87.0	1548	5836.9	21.2	0.0
1549	5836.9	-79.5	783.0	1550	5836.9	-79.5	870.0	1551	5836.9	-79.5	696.0
1552	5836.9	-79.5	609.0	1553	5836.9	-79.5	522.0	1554	5836.9	-79.5	435.0
1555	5836.9	-79.5	348.0	1556	5836.9	-79.5	261.0	1557	5836.9	-79.5	174.0
1558	5836.9	-79.5	87.0	1559	5836.9	-79.5	0.0	1560	5836.9	424.1	783.0
1561	5836.9	323.4	783.0	1562	5836.9	323.4	870.0	1563	5836.9	424.1	696.0
1564	5836.9	323.4	696.0	1565	5836.9	424.1	609.0	1566	5836.9	323.4	609.0
1567	5836.9	424.1	522.0	1568	5836.9	323.4	522.0	1569	5836.9	424.1	435.0
1570	5836.9	323.4	435.0	1571	5836.9	424.1	348.0	1572	5836.9	323.4	348.0
1573	5836.9	424.1	261.0	1574	5836.9	323.4	261.0	1575	5836.9	424.1	174.0
1576	5836.9	323.4	174.0	1577	5836.9	424.1	87.0	1578	5836.9	323.4	87.0
1579	5836.9	323.4	0.0	1580	5836.9	222.7	783.0	1581	5836.9	222.7	870.0
1582	5836.9	222.7	696.0	1583	5836.9	222.7	609.0	1584	5836.9	222.7	522.0
1585	5836.9	222.7	435.0	1586	5836.9	222.7	348.0	1587	5836.9	222.7	261.0
1588	5836.9	222.7	174.0	1589	5836.9	222.7	87.0	1590	5836.9	222.7	0.0
1591	5836.9	600.4	783.0	1592	5836.9	541.7	783.0	1593	5836.9	541.7	870.0
1594	5836.9	600.4	696.0	1595	5836.9	541.7	696.0	1596	5836.9	600.4	609.0
1597	5836.9	541.7	609.0	1598	5836.9	600.4	522.0	1599	5836.9	541.7	522.0
1600	5836.9	600.4	435.0	1601	5836.9	541.7	435.0	1602	5836.9	600.4	348.0
1603	5836.9	541.7	348.0	1604	5836.9	600.4	261.0	1605	5836.9	541.7	261.0
1606	5836.9	600.4	174.0	1607	5836.9	541.7	174.0	1608	5836.9	600.4	87.0
1609	5836.9	541.7	87.0	1610	5836.9	541.7	0.0	1611	5836.9	482.9	783.0
1612	5836.9	482.9	870.0	1613	5836.9	482.9	696.0	1614	5836.9	482.9	609.0
1615	5836.9	482.9	522.0	1616	5836.9	482.9	435.0	1617	5836.9	482.9	348.0
1618	5836.9	482.9	261.0	1619	5836.9	482.9	174.0	1620	5836.9	482.9	87.0
1621	5836.9	482.9	0.0	1622	2832.6	184.7	870.0	1623	2832.6	486.9	870.0
1624	2832.6	789.1	870.0	1625	2832.6	965.4	870.0	1626	2832.6	-293.8	870.0
1627	2832.6	-117.5	870.0	1628	2832.6	184.7	0.0	1629	2832.6	486.9	0.0
1630	2832.6	789.1	0.0	1631	8122.8	-155.8	0.0	1632	2832.6	-293.8	0.0
1633	2832.6	-117.5	0.0	1634	2832.6	-117.5	783.0	1635	2832.6	-176.3	783.0
1636	2832.6	-176.3	870.0	1637	2832.6	-117.5	696.0	1638	2832.6	-176.3	696.0
1639	2832.6	-117.5	609.0	1640	2832.6	-176.3	609.0	1641	2832.6	-117.5	522.0
1642	2832.6	-176.3	522.0	1643	2832.6	-117.5	435.0	1644	2832.6	-176.3	435.0
1645	2832.6	-117.5	348.0	1646	2832.6	-176.3	348.0	1647	2832.6	-117.5	261.0
1648	2832.6	-176.3	261.0	1649	2832.6	-117.5	174.0	1650	2832.6	-176.3	174.0

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1651	2832.6	-117.5	87.0	1652	2832.6	-176.3	87.0	1653	2832.6	-176.3	0.0
1654	2832.6	-235.0	783.0	1655	2832.6	-235.0	870.0	1656	2832.6	-235.0	696.0
1657	2832.6	-235.0	609.0	1658	2832.6	-235.0	522.0	1659	2832.6	-235.0	435.0
1660	2832.6	-235.0	348.0	1661	2832.6	-235.0	261.0	1662	2832.6	-235.0	174.0
1663	2832.6	-235.0	87.0	1664	2832.6	-235.0	0.0	1665	2832.6	-293.8	783.0
1666	2832.6	-293.8	696.0	1667	2832.6	-293.8	609.0	1668	2832.6	-293.8	522.0
1669	2832.6	-293.8	435.0	1670	2832.6	-293.8	348.0	1671	2832.6	-293.8	261.0
1672	2832.6	-293.8	174.0	1673	2832.6	-293.8	87.0	1674	2832.6	184.7	783.0
1675	2832.6	84.0	783.0	1676	2832.6	84.0	870.0	1677	2832.6	184.7	696.0
1678	2832.6	84.0	696.0	1679	2832.6	184.7	609.0	1680	2832.6	84.0	609.0
1681	2832.6	184.7	522.0	1682	2832.6	84.0	522.0	1683	2832.6	184.7	435.0
1684	2832.6	84.0	435.0	1685	2832.6	184.7	348.0	1686	2832.6	84.0	348.0
1687	2832.6	184.7	261.0	1688	2832.6	84.0	261.0	1689	2832.6	184.7	174.0
1690	2832.6	84.0	174.0	1691	2832.6	184.7	87.0	1692	2832.6	84.0	87.0
1693	2832.6	84.0	0.0	1694	2832.6	-16.8	783.0	1695	2832.6	-16.8	870.0
1696	2832.6	-16.8	696.0	1697	2832.6	-16.8	609.0	1698	2832.6	-16.8	522.0
1699	2832.6	-16.8	435.0	1700	2832.6	-16.8	348.0	1701	2832.6	-16.8	261.0
1702	2832.6	-16.8	174.0	1703	2832.6	-16.8	87.0	1704	2832.6	-16.8	0.0
1705	2832.6	486.9	783.0	1706	2832.6	386.2	783.0	1707	2832.6	386.2	870.0
1708	2832.6	486.9	696.0	1709	2832.6	386.2	696.0	1710	2832.6	486.9	609.0
1711	2832.6	386.2	609.0	1712	2832.6	486.9	522.0	1713	2832.6	386.2	522.0
1714	2832.6	486.9	435.0	1715	2832.6	386.2	435.0	1716	2832.6	486.9	348.0
1717	2832.6	386.2	348.0	1718	2832.6	486.9	261.0	1719	2832.6	386.2	261.0
1720	2832.6	486.9	174.0	1721	2832.6	386.2	174.0	1722	2832.6	486.9	87.0
1723	2832.6	386.2	87.0	1724	2832.6	386.2	0.0	1725	2832.6	285.5	783.0
1726	2832.6	285.5	870.0	1727	2832.6	285.5	696.0	1728	2832.6	285.5	609.0
1729	2832.6	285.5	522.0	1730	2832.6	285.5	435.0	1731	2832.6	285.5	348.0
1732	2832.6	285.5	261.0	1733	2832.6	285.5	174.0	1734	2832.6	285.5	87.0
1735	2832.6	285.5	0.0	1736	2832.6	789.1	783.0	1737	2832.6	688.4	783.0
1738	2832.6	688.4	870.0	1739	2832.6	789.1	696.0	1740	2832.6	688.4	696.0
1741	2832.6	789.1	609.0	1742	2832.6	688.4	609.0	1743	2832.6	789.1	522.0
1744	2832.6	688.4	522.0	1745	2832.6	789.1	435.0	1746	2832.6	688.4	435.0
1747	2832.6	789.1	348.0	1748	2832.6	688.4	348.0	1749	2832.6	789.1	261.0
1750	2832.6	688.4	261.0	1751	2832.6	789.1	174.0	1752	2832.6	688.4	174.0
1753	2832.6	789.1	87.0	1754	2832.6	688.4	87.0	1755	2832.6	688.4	0.0
1756	2832.6	587.7	783.0	1757	2832.6	587.7	870.0	1758	2832.6	587.7	696.0
1759	2832.6	587.7	609.0	1760	2832.6	587.7	522.0	1761	2832.6	587.7	435.0
1762	2832.6	587.7	348.0	1763	2832.6	587.7	261.0	1764	2832.6	587.7	174.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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1765	2832.6	587.7	87.0	1766	2832.6	587.7	0.0	1767	2832.6	965.4	783.0
1768	2832.6	906.7	783.0	1769	2832.6	906.7	870.0	1770	2832.6	965.4	696.0
1771	2832.6	906.7	696.0	1772	2832.6	965.4	609.0	1773	2832.6	906.7	609.0
1774	2832.6	965.4	522.0	1775	2832.6	906.7	522.0	1776	2832.6	965.4	435.0
1777	2832.6	906.7	435.0	1778	2832.6	965.4	348.0	1779	2832.6	906.7	348.0
1780	2832.6	965.4	261.0	1781	2832.6	906.7	261.0	1782	2832.6	965.4	174.0
1783	2832.6	906.7	174.0	1784	2832.6	965.4	87.0	1785	2832.6	906.7	87.0
1786	2832.6	906.7	0.0	1787	2832.6	847.9	783.0	1788	2832.6	847.9	870.0
1789	2832.6	847.9	696.0	1790	2832.6	847.9	609.0	1791	2832.6	847.9	522.0
1792	2832.6	847.9	435.0	1793	2832.6	847.9	348.0	1794	2832.6	847.9	261.0
1795	2832.6	847.9	174.0	1796	2832.6	847.9	87.0	1797	2832.6	847.9	0.0
1798	383.4	1263.0	870.0	1799	383.4	3.8	870.0	1800	383.4	1263.0	0.0
1801	383.4	3.8	0.0	1802	383.4	1086.7	0.0	1803	383.4	784.5	0.0
1804	383.4	482.3	0.0	1805	383.4	180.1	0.0	1806	383.4	180.1	783.0
1807	383.4	121.3	783.0	1808	383.4	121.3	870.0	1809	383.4	180.1	696.0
1810	383.4	121.3	696.0	1811	383.4	180.1	609.0	1812	383.4	121.3	609.0
1813	383.4	180.1	522.0	1814	383.4	121.3	522.0	1815	383.4	180.1	435.0
1816	383.4	121.3	435.0	1817	383.4	180.1	348.0	1818	383.4	121.3	348.0
1819	383.4	180.1	261.0	1820	383.4	121.3	261.0	1821	383.4	180.1	174.0
1822	383.4	121.3	174.0	1823	383.4	180.1	87.0	1824	383.4	121.3	87.0
1825	383.4	121.3	0.0	1826	383.4	62.6	783.0	1827	383.4	62.6	870.0
1828	383.4	62.6	696.0	1829	383.4	62.6	609.0	1830	383.4	62.6	522.0
1831	383.4	62.6	435.0	1832	383.4	62.6	348.0	1833	383.4	62.6	261.0
1834	383.4	62.6	174.0	1835	383.4	62.6	87.0	1836	383.4	62.6	0.0
1837	383.4	3.8	783.0	1838	383.4	3.8	696.0	1839	383.4	3.8	609.0
1840	383.4	3.8	522.0	1841	383.4	3.8	435.0	1842	383.4	3.8	348.0
1843	383.4	3.8	261.0	1844	383.4	3.8	174.0	1845	383.4	3.8	87.0
1846	383.4	482.3	783.0	1847	383.4	381.5	783.0	1848	383.4	381.5	870.0
1849	383.4	482.3	696.0	1850	383.4	381.5	696.0	1851	383.4	482.3	609.0
1852	383.4	381.5	609.0	1853	383.4	482.3	522.0	1854	383.4	381.5	522.0
1855	383.4	482.3	435.0	1856	383.4	381.5	435.0	1857	383.4	482.3	348.0
1858	383.4	381.5	348.0	1859	383.4	482.3	261.0	1860	383.4	381.5	261.0
1861	383.4	482.3	174.0	1862	383.4	381.5	174.0	1863	383.4	482.3	87.0
1864	383.4	381.5	87.0	1865	383.4	381.5	0.0	1866	383.4	280.8	783.0
1867	383.4	280.8	870.0	1868	383.4	280.8	696.0	1869	383.4	280.8	609.0
1870	383.4	280.8	522.0	1871	383.4	280.8	435.0	1872	383.4	280.8	348.0
1873	383.4	280.8	261.0	1874	383.4	280.8	174.0	1875	383.4	280.8	87.0
1876	383.4	280.8	0.0	1877	383.4	784.5	783.0	1878	383.4	683.8	783.0

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A LIVELLO SULLA S.S. N.234**

1879	383.4	683.8	870.0	1880	383.4	784.5	696.0	1881	383.4	683.8	696.0
1882	383.4	784.5	609.0	1883	383.4	683.8	609.0	1884	383.4	784.5	522.0
1885	383.4	683.8	522.0	1886	383.4	784.5	435.0	1887	383.4	683.8	435.0
1888	383.4	784.5	348.0	1889	383.4	683.8	348.0	1890	383.4	784.5	261.0
1891	383.4	683.8	261.0	1892	383.4	784.5	174.0	1893	383.4	683.8	174.0
1894	383.4	784.5	87.0	1895	383.4	683.8	87.0	1896	383.4	683.8	0.0
1897	383.4	583.0	783.0	1898	383.4	583.0	870.0	1899	383.4	583.0	696.0
1900	383.4	583.0	609.0	1901	383.4	583.0	522.0	1902	383.4	583.0	435.0
1903	383.4	583.0	348.0	1904	383.4	583.0	261.0	1905	383.4	583.0	174.0
1906	383.4	583.0	87.0	1907	383.4	583.0	0.0	1908	383.4	1086.7	783.0
1909	383.4	986.0	783.0	1910	383.4	986.0	870.0	1911	383.4	1086.7	696.0
1912	383.4	986.0	696.0	1913	383.4	1086.7	609.0	1914	383.4	986.0	609.0
1915	383.4	1086.7	522.0	1916	383.4	986.0	522.0	1917	383.4	1086.7	435.0
1918	383.4	986.0	435.0	1919	383.4	1086.7	348.0	1920	383.4	986.0	348.0
1921	383.4	1086.7	261.0	1922	383.4	986.0	261.0	1923	383.4	1086.7	174.0
1924	383.4	986.0	174.0	1925	383.4	1086.7	87.0	1926	383.4	986.0	87.0
1927	383.4	986.0	0.0	1928	383.4	885.2	783.0	1929	383.4	885.2	870.0
1930	383.4	885.2	696.0	1931	383.4	885.2	609.0	1932	383.4	885.2	522.0
1933	383.4	885.2	435.0	1934	383.4	885.2	348.0	1935	383.4	885.2	261.0
1936	383.4	885.2	174.0	1937	383.4	885.2	87.0	1938	383.4	885.2	0.0
1939	383.4	1263.0	783.0	1940	383.4	1204.2	783.0	1941	383.4	1204.2	870.0
1942	383.4	1263.0	696.0	1943	383.4	1204.2	696.0	1944	383.4	1263.0	609.0
1945	383.4	1204.2	609.0	1946	383.4	1263.0	522.0	1947	383.4	1204.2	522.0
1948	383.4	1263.0	435.0	1949	383.4	1204.2	435.0	1950	383.4	1263.0	348.0
1951	383.4	1204.2	348.0	1952	383.4	1263.0	261.0	1953	383.4	1204.2	261.0
1954	383.4	1263.0	174.0	1955	383.4	1204.2	174.0	1956	383.4	1263.0	87.0
1957	383.4	1204.2	87.0	1958	383.4	1204.2	0.0	1959	383.4	1145.5	783.0
1960	383.4	1145.5	870.0	1961	383.4	1145.5	696.0	1962	383.4	1145.5	609.0
1963	383.4	1145.5	522.0	1964	383.4	1145.5	435.0	1965	383.4	1145.5	348.0
1966	383.4	1145.5	261.0	1967	383.4	1145.5	174.0	1968	383.4	1145.5	87.0
1969	383.4	1145.5	0.0	1970	2673.8	-274.5	870.0	1971	2991.4	-313.1	870.0
1972	2673.8	984.7	870.0	1973	2991.4	946.1	870.0	1974	5678.1	619.7	870.0
1975	5995.7	581.1	870.0	1976	5678.1	-639.5	870.0	1977	5995.7	-678.1	870.0
1978	2673.8	-98.2	870.0	1979	2673.8	204.0	870.0	1980	2673.8	506.2	870.0
1981	2673.8	808.4	870.0	1982	2991.4	769.8	870.0	1983	2991.4	467.6	870.0
1984	2991.4	165.4	870.0	1985	2991.4	-136.8	870.0	1986	2673.8	2.5	870.0
1987	2673.8	103.3	870.0	1988	2673.8	304.8	870.0	1989	2673.8	405.5	870.0
1990	2673.8	607.0	870.0	1991	2673.8	707.7	870.0	1992	2673.8	867.2	870.0

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1993	2673.8	926.0	870.0	1994	2742.6	94.9	870.0	1995	2742.6	-5.8	870.0
1996	2742.6	397.1	870.0	1997	2742.6	296.4	870.0	1998	2742.6	699.3	870.0
1999	2742.6	598.6	870.0	2000	2991.4	887.4	870.0	2001	2753.2	-166.6	870.0
2002	2673.8	-157.0	870.0	2003	2753.2	-225.4	870.0	2004	2673.8	-215.7	870.0
2005	2753.2	-284.1	870.0	2006	2753.2	975.1	870.0	2007	2753.2	916.3	870.0
2008	2753.2	857.5	870.0	2009	2912.0	838.2	870.0	2010	2991.4	828.6	870.0
2011	2912.0	-185.9	870.0	2012	2991.4	-195.5	870.0	2013	2912.0	-244.7	870.0
2014	2991.4	-254.3	870.0	2015	2912.0	-303.4	870.0	2016	2922.6	73.0	870.0
2017	2922.6	-27.7	870.0	2018	2922.6	375.3	870.0	2019	2922.6	274.5	870.0
2020	2922.6	677.5	870.0	2021	2922.6	576.7	870.0	2022	2991.4	64.7	870.0
2023	2991.4	-36.1	870.0	2024	2991.4	366.9	870.0	2025	2991.4	266.2	870.0
2026	2991.4	669.1	870.0	2027	2991.4	568.4	870.0	2028	2912.0	955.8	870.0
2029	5678.1	-463.2	870.0	2030	5678.1	-161.0	870.0	2031	5678.1	141.2	870.0
2032	5678.1	443.4	870.0	2033	5995.7	404.8	870.0	2034	5995.7	102.6	870.0
2035	5995.7	-199.6	870.0	2036	5995.7	-501.8	870.0	2037	5916.3	11.5	870.0
2038	5757.5	-531.6	870.0	2039	5678.1	-522.0	870.0	2040	5757.5	-590.4	870.0
2041	5678.1	-580.7	870.0	2042	5757.5	-649.1	870.0	2043	5995.7	1.9	870.0
2044	5916.3	-550.9	870.0	2045	5995.7	-560.5	870.0	2046	5916.3	-609.7	870.0
2047	5995.7	-619.3	870.0	2048	5916.3	-668.4	870.0	2049	5916.3	-89.2	870.0
2050	5757.5	-271.4	870.0	2051	5678.1	-261.7	870.0	2052	5757.5	-372.1	870.0
2053	5678.1	-362.5	870.0	2054	5995.7	-98.8	870.0	2055	5995.7	-401.1	870.0
2056	5757.5	30.8	870.0	2057	5678.1	40.5	870.0	2058	5757.5	-69.9	870.0
2059	5678.1	-60.3	870.0	2060	5916.3	-290.7	870.0	2061	5757.5	333.0	870.0
2062	5678.1	342.7	870.0	2063	5757.5	232.3	870.0	2064	5678.1	242.0	870.0
2065	5757.5	610.1	870.0	2066	5757.5	551.3	870.0	2067	5678.1	560.9	870.0
2068	5757.5	492.5	870.0	2069	5678.1	502.2	870.0	2070	5916.3	590.8	870.0
2071	5916.3	532.0	870.0	2072	5995.7	522.4	870.0	2073	5916.3	473.2	870.0
2074	5995.7	463.6	870.0	2075	5995.7	-300.3	870.0	2076	5916.3	313.7	870.0
2077	5995.7	304.1	870.0	2078	5916.3	213.0	870.0	2079	5995.7	203.4	870.0
2080	5916.3	-391.4	870.0	2081	2575.9	-86.3	0.0	2082	2575.9	-145.1	0.0
2083	2575.9	-203.8	0.0	2084	2575.9	115.2	0.0	2085	5836.9	-229.2	0.0
2086	8262.8	-38.5	0.0	2087	8029.5	-581.0	0.0	2088	8776.2	-386.3	0.0
2089	653.4	147.3	0.0	2090	-93.3	238.0	0.0	2091	653.4	248.0	0.0
2092	-93.3	338.7	0.0	2093	-93.3	11.3	0.0	2094	-93.3	1371.3	0.0
2095	653.4	1280.5	0.0	2096	653.4	-79.4	0.0	2097	8029.5	-295.6	0.0
2098	8262.8	-609.3	0.0	2099	8029.5	-144.5	0.0	2100	8029.5	275.3	0.0
2101	8506.2	-865.5	0.0	2102	8506.2	-924.3	0.0	2103	653.4	600.6	0.0
2104	-93.3	741.7	0.0	2105	8506.2	-605.3	0.0	2106	8506.2	-706.1	0.0

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2107	8506.2	-303.1	0.0	2108	8506.2	-403.8	0.0	2109	8506.2	-0.9	0.0
2110	8506.2	-101.6	0.0	2111	8506.2	217.4	0.0	2112	8506.2	158.6	0.0
2113	8029.5	-975.5	0.0	2114	8029.5	384.4	0.0	2115	8776.2	293.7	0.0
2116	8776.2	-1066.2	0.0	2117	8262.8	-475.0	0.0	2118	8122.8	-458.0	0.0
2119	8262.8	-1003.9	0.0	2120	8262.8	-953.5	0.0	2121	8122.8	-936.5	0.0
2122	8262.8	-894.7	0.0	2123	8262.8	-836.0	0.0	2124	8122.8	-819.0	0.0
2125	8262.8	-777.2	0.0	2126	8122.8	-760.2	0.0	2127	8262.8	-273.5	0.0
2128	8122.8	-256.5	0.0	2129	8682.8	254.7	0.0	2130	8776.2	243.3	0.0
2131	8682.8	305.0	0.0	2132	8776.2	184.6	0.0	2133	8682.8	137.1	0.0
2134	8776.2	125.8	0.0	2135	8682.8	78.4	0.0	2136	8776.2	67.0	0.0
2137	8682.8	-123.1	0.0	2138	8776.2	-134.4	0.0	2139	8776.2	-235.2	0.0
2140	8682.8	-223.8	0.0	2141	8682.8	-526.0	0.0	2142	8776.2	-537.4	0.0
2143	8776.2	-436.7	0.0	2144	8682.8	-425.3	0.0	2145	8682.8	-1054.9	0.0
2146	8776.2	-1015.9	0.0	2147	8682.8	-1004.5	0.0	2148	8776.2	-957.1	0.0
2149	8776.2	-898.4	0.0	2150	8682.8	-887.0	0.0	2151	8776.2	-839.6	0.0
2152	8682.8	-828.3	0.0	2153	0.0	1309.6	0.0	2154	0.0	1359.9	0.0
2156	0.0	1192.0	0.0	2157	0.0	1133.3	0.0	2159	0.0	1032.5	0.0
2160	0.0	730.3	0.0	2161	0.0	831.1	0.0	2162	0.0	528.9	0.0
2165	0.0	327.4	0.0	2166	0.0	-1.71e-04	0.0	2167	0.0	50.4	0.0
2169	0.0	167.9	0.0	2170	0.0	226.7	0.0	2171	280.0	1275.5	0.0
2172	280.0	1325.9	0.0	2174	280.0	1158.0	0.0	2175	280.0	1099.3	0.0
2177	280.0	998.5	0.0	2178	280.0	696.3	0.0	2179	280.0	797.0	0.0
2180	280.0	494.8	0.0	2183	280.0	293.4	0.0	2184	280.0	-34.0	0.0
2185	280.0	16.3	0.0	2187	280.0	133.9	0.0	2188	280.0	192.6	0.0
2189	560.0	1241.5	0.0	2190	560.0	1291.9	0.0	2192	560.0	1124.0	0.0
2193	560.0	1065.2	0.0	2194	560.0	863.8	0.0	2197	560.0	763.0	0.0
2198	560.0	460.8	0.0	2199	560.0	561.6	0.0	2201	560.0	259.3	0.0
2202	560.0	-68.0	0.0	2203	560.0	-17.7	0.0	2205	560.0	99.9	0.0
2206	560.0	158.6	0.0	2207	383.4	1313.4	0.0	2208	383.4	-46.6	0.0
2209	140.0	1292.5	0.0	2210	140.0	1342.9	0.0	2211	140.0	1233.8	0.0
2212	140.0	1175.0	0.0	2213	140.0	1116.3	0.0	2214	140.0	948.4	0.0
2215	140.0	1015.5	0.0	2216	140.0	713.3	0.0	2217	140.0	814.1	0.0
2218	140.0	511.9	0.0	2219	140.0	663.0	0.0	2220	140.0	377.5	0.0
2221	140.0	310.4	0.0	2222	140.0	-17.0	0.0	2223	140.0	33.4	0.0
2224	140.0	92.1	0.0	2225	140.0	150.9	0.0	2226	140.0	209.6	0.0
2227	8776.2	-738.9	0.0	2228	8682.8	-727.5	0.0	2229	8029.5	334.0	0.0
2230	8122.8	322.7	0.0	2231	8122.8	373.1	0.0	2232	2832.6	965.4	0.0
2233	3089.3	153.5	0.0	2234	3089.3	455.7	0.0	2235	2575.9	820.3	0.0

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2236	2575.9	-262.6	0.0	2247	2575.9	14.4	0.0	2248	2575.9	417.4	0.0
2249	2575.9	316.6	0.0	2250	2575.9	719.6	0.0	2251	2575.9	618.8	0.0
2252	2575.9	937.8	0.0	2253	2575.9	879.1	0.0	2254	2575.9	567.0	0.0
2255	2575.9	167.0	0.0	2256	2575.9	996.6	0.0	2257	2575.9	1047.0	0.0
2258	2575.9	-313.0	0.0	2259	2575.9	215.9	0.0	2260	2575.9	518.1	0.0
2261	2680.9	983.8	0.0	2262	2680.9	1034.2	0.0	2264	2680.9	866.3	0.0
2265	2680.9	807.6	0.0	2267	2680.9	606.1	0.0	2268	2680.9	554.2	0.0
2269	2680.9	505.4	0.0	2270	2680.9	404.6	0.0	2271	2680.9	303.9	0.0
2272	2680.9	102.4	0.0	2273	2680.9	154.3	0.0	2274	3089.3	757.9	0.0
2275	5988.6	2.8	0.0	2276	3089.3	-325.0	0.0	2277	2680.9	203.1	0.0
2278	3089.3	-148.7	0.0	2279	3089.3	-207.4	0.0	2281	8029.5	-446.7	0.0
2282	8029.5	-648.1	0.0	2283	8029.5	-925.2	0.0	2284	8029.5	-866.4	0.0
2285	8029.5	-807.6	0.0	2286	8029.5	-748.9	0.0	2287	8262.8	305.7	0.0
2288	8402.8	288.7	0.0	2289	8402.8	339.0	0.0	2290	8262.8	356.0	0.0
2291	8262.8	246.9	0.0	2292	8262.8	188.2	0.0	2293	8402.8	171.1	0.0
2294	8262.8	129.4	0.0	2295	8402.8	112.4	0.0	2296	8402.8	11.7	0.0
2297	8262.8	28.7	0.0	2298	8029.5	216.5	0.0	2299	2680.9	-99.1	0.0
2300	8402.8	-290.6	0.0	2301	2680.9	-157.8	0.0	2303	2680.9	-275.3	0.0
2304	2680.9	-325.7	0.0	2305	2832.6	1015.8	0.0	2306	2832.6	-344.1	0.0
2307	2984.3	947.0	0.0	2308	2984.3	997.4	0.0	2310	2984.3	829.5	0.0
2311	2984.3	770.7	0.0	2313	2984.3	569.2	0.0	2314	2984.3	517.4	0.0
2315	2984.3	468.5	0.0	2316	8122.8	205.2	0.0	2317	3089.3	-266.2	0.0
2318	3089.3	52.8	0.0	2319	3089.3	-47.9	0.0	2320	3089.3	355.0	0.0
2321	3089.3	254.3	0.0	2322	2832.6	535.8	0.0	2323	3089.3	657.2	0.0
2324	3089.3	556.5	0.0	2325	3089.3	875.5	0.0	2326	3089.3	816.7	0.0
2327	2832.6	135.8	0.0	2328	3089.3	504.6	0.0	2329	3089.3	104.6	0.0
2330	3089.3	934.2	0.0	2331	5988.6	-98.0	0.0	2332	8402.8	-189.8	0.0
2333	8262.8	-172.8	0.0	2334	8402.8	-492.0	0.0	2335	8402.8	-693.5	0.0
2336	8402.8	-1020.9	0.0	2337	8402.8	-970.5	0.0	2338	8402.8	-853.0	0.0
2339	8402.8	-794.2	0.0	2340	8506.2	326.5	0.0	2341	8506.2	-1033.4	0.0
2342	8286.1	-175.6	0.0	2343	8286.1	-477.9	0.0	2344	8029.5	157.7	0.0
2345	8286.1	-326.7	0.0	2346	8286.1	-612.2	0.0	2347	8122.8	146.4	0.0
2348	8286.1	-679.3	0.0	2349	8122.8	45.7	0.0	2350	8029.5	57.0	0.0
2351	8286.1	-1006.7	0.0	2352	8286.1	-956.3	0.0	2353	8286.1	-897.6	0.0
2354	8286.1	-838.8	0.0	2355	8286.1	-780.1	0.0	2356	6093.6	-740.3	0.0
2357	8286.1	302.8	0.0	2358	8286.1	353.2	0.0	2359	8286.1	244.1	0.0
2360	8286.1	185.3	0.0	2361	8286.1	126.6	0.0	2362	8286.1	-41.3	0.0
2363	8286.1	25.8	0.0	2364	8286.1	-276.4	0.0	2365	2984.3	367.8	0.0

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2366	2984.3	267.0	0.0	2367	2984.3	65.6	0.0	2368	8029.5	-245.2	0.0
2369	3089.3	984.6	0.0	2370	2984.3	117.4	0.0	2371	2984.3	166.3	0.0
2373	2984.3	-135.9	0.0	2374	2984.3	-194.7	0.0	2376	2984.3	-312.2	0.0
2377	2984.3	-362.6	0.0	2379	2575.9	252.8	0.0	2380	2832.6	221.7	0.0
2381	3089.3	418.8	0.0	2384	2575.9	481.2	0.0	2385	2832.6	450.0	0.0
2386	3089.3	190.5	0.0	2388	3089.3	-375.3	0.0	2389	8122.8	-659.5	0.0
2390	8262.8	-676.5	0.0	2391	8122.8	-986.9	0.0	2392	653.4	1230.2	0.0
2393	-93.3	1320.9	0.0	2394	653.4	1171.4	0.0	2395	-93.3	1262.1	0.0
2396	653.4	1112.7	0.0	2397	-93.3	1203.4	0.0	2398	8262.8	-323.9	0.0
2399	-93.3	1043.9	0.0	2400	653.4	1053.9	0.0	2401	-93.3	1144.6	0.0
2402	8506.2	276.1	0.0	2403	8506.2	-983.1	0.0	2404	8506.2	99.8	0.0
2405	8506.2	-202.4	0.0	2406	8506.2	-504.6	0.0	2407	8506.2	-806.8	0.0
2413	5836.9	170.8	0.0	2414	653.4	886.0	0.0	2415	8776.2	-671.7	0.0
2416	8029.5	-10.1	0.0	2417	8776.2	-100.9	0.0	2418	5988.6	-299.4	0.0
2419	6093.6	619.6	0.0	2420	5988.6	-247.6	0.0	2421	5988.6	-198.7	0.0
2423	5988.6	-500.9	0.0	2424	5988.6	-559.7	0.0	2426	5988.6	-677.2	0.0
2427	5988.6	-727.6	0.0	2429	5580.2	-112.2	0.0	2430	5836.9	-143.3	0.0
2431	6093.6	53.8	0.0	2433	5580.2	-451.3	0.0	2434	5580.2	-510.1	0.0
2435	5580.2	-568.8	0.0	2436	5580.2	-249.8	0.0	2438	6093.6	-211.5	0.0
2439	6093.6	90.7	0.0	2440	5580.2	455.3	0.0	2441	5580.2	-627.6	0.0
2442	5580.2	-350.6	0.0	2443	5580.2	52.4	0.0	2444	5580.2	-48.4	0.0
2445	5580.2	354.6	0.0	2446	5580.2	253.8	0.0	2447	5580.2	572.8	0.0
2448	5580.2	514.1	0.0	2449	5580.2	202.0	0.0	2450	5580.2	-198.0	0.0
2451	5580.2	631.6	0.0	2452	5580.2	682.0	0.0	2453	5580.2	-678.0	0.0
2454	5580.2	-149.1	0.0	2455	5580.2	153.1	0.0	2456	5685.2	618.8	0.0
2457	5685.2	669.2	0.0	2459	5685.2	501.3	0.0	2460	5685.2	442.6	0.0
2462	5685.2	241.1	0.0	2463	5685.2	189.2	0.0	2464	5685.2	140.4	0.0
2465	5685.2	39.6	0.0	2466	5685.2	-61.1	0.0	2467	5685.2	-262.6	0.0
2468	5685.2	-210.7	0.0	2469	6093.6	392.9	0.0	2470	5580.2	116.2	0.0
2471	6093.6	-690.0	0.0	2472	5685.2	-161.9	0.0	2473	6093.6	-513.7	0.0
2474	6093.6	-572.4	0.0	2476	5685.2	-464.1	0.0	2477	5685.2	-522.8	0.0
2479	5685.2	-640.3	0.0	2480	5685.2	-690.7	0.0	2481	5836.9	650.8	0.0
2482	5836.9	-709.1	0.0	2483	5988.6	582.0	0.0	2484	5988.6	632.4	0.0
2486	5988.6	464.5	0.0	2487	5988.6	405.7	0.0	2489	5988.6	204.2	0.0
2490	5988.6	152.4	0.0	2491	5988.6	103.5	0.0	2492	6093.6	-631.2	0.0
2493	6093.6	-312.2	0.0	2494	6093.6	-412.9	0.0	2495	6093.6	-10.0	0.0
2496	6093.6	-110.7	0.0	2497	5836.9	85.0	0.0	2498	6093.6	292.2	0.0
2499	6093.6	191.5	0.0	2500	6093.6	510.5	0.0	2501	6093.6	451.7	0.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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2502	6093.6	-174.5	0.0	2503	6093.6	139.6	0.0	2504	6093.6	-260.4	0.0
2505	6093.6	569.2	0.0								

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
2155	0.0	1250.8	0.0	FS=3						
2158	0.0	965.4	0.0	FS=3						
2163	0.0	680.0	0.0	FS=3						
2164	0.0	394.5	0.0	FS=3						
2168	0.0	109.1	0.0	FS=3						
2173	280.0	1216.8	0.0	FS=3						
2176	280.0	931.4	0.0	FS=3						
2181	280.0	645.9	0.0	FS=3						
2182	280.0	360.5	0.0	FS=3						
2186	280.0	75.1	0.0	FS=3						
2191	560.0	1182.8	0.0	FS=3						
2195	560.0	897.3	0.0	FS=3						
2196	560.0	611.9	0.0	FS=3						
2200	560.0	326.5	0.0	FS=3						
2204	560.0	41.1	0.0	FS=3						
2237	8122.8	263.9	0.0	FS=3						
2238	8122.8	-21.5	0.0	FS=3						
2239	8122.8	-306.9	0.0	FS=3						
2240	8122.8	-592.3	0.0	FS=3						
2241	8122.8	-877.7	0.0	FS=3						
2242	8402.8	229.9	0.0	FS=3						
2243	8402.8	-55.5	0.0	FS=3						
2244	8402.8	-340.9	0.0	FS=3						
2245	8402.8	-626.3	0.0	FS=3						
2246	8402.8	-911.8	0.0	FS=3						
2263	2680.9	925.1	0.0	FS=3						
2266	2680.9	706.8	0.0	FS=3						
2280	2680.9	1.7	0.0	FS=3						
2302	2680.9	-216.6	0.0	FS=3						
2309	2984.3	888.2	0.0	FS=3						
2312	2984.3	670.0	0.0	FS=3						
2372	2984.3	-35.2	0.0	FS=3						
2375	2984.3	-253.4	0.0	FS=3						

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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2378	2680.9	240.1	0.0	FS=3
2382	2984.3	431.6	0.0	FS=3
2383	2680.9	468.4	0.0	FS=3
2387	2984.3	203.2	0.0	FS=3
2408	8682.8	195.9	0.0	FS=3
2409	8682.8	-89.5	0.0	FS=3
2410	8682.8	-374.9	0.0	FS=3
2411	8682.8	-660.4	0.0	FS=3
2412	8682.8	-945.8	0.0	FS=3
2422	5988.6	-400.2	0.0	FS=3
2425	5988.6	-618.4	0.0	FS=3
2428	5685.2	-124.9	0.0	FS=3
2432	5988.6	66.6	0.0	FS=3
2437	5685.2	103.4	0.0	FS=3
2458	5685.2	560.1	0.0	FS=3
2461	5685.2	341.8	0.0	FS=3
2475	5685.2	-363.3	0.0	FS=3
2478	5685.2	-581.6	0.0	FS=3
2485	5988.6	523.2	0.0	FS=3
2488	5988.6	305.0	0.0	FS=3
2506	5988.6	-161.8	0.0	FS=3

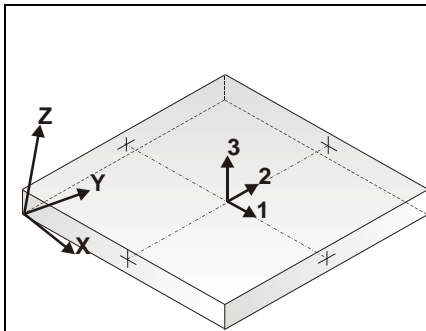
11.4 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

11.4.1 LEGENDA TABELLA DATI SHELL

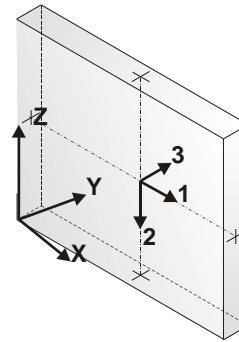
Il programma utilizza per la modellazione elementi a tre o quattro nodi denominati in generale shell.

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

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



orientamento elementi 3D non verticali



orientamento elementi 3D verticali

In particolare per ogni elemento viene indicato in tabella:

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

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Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1	Guscio	452	541	55	1	4	25.0		
2	Guscio	451	542	541	452	4	25.0		
3	Guscio	2	99	542	451	4	25.0		
4	Guscio	541	543	56	55	4	25.0		
5	Guscio	542	544	543	541	4	25.0		
6	Guscio	99	100	544	542	4	25.0		
7	Guscio	543	545	57	56	4	25.0		
8	Guscio	544	546	545	543	4	25.0		
9	Guscio	100	101	546	544	4	25.0		
10	Guscio	545	547	58	57	4	25.0		
11	Guscio	546	548	547	545	4	25.0		
12	Guscio	101	102	548	546	4	25.0		
13	Guscio	547	549	59	58	4	25.0		
14	Guscio	548	550	549	547	4	25.0		
15	Guscio	102	103	550	548	4	25.0		
16	Guscio	549	551	60	59	4	25.0		
17	Guscio	550	552	551	549	4	25.0		
18	Guscio	103	104	552	550	4	25.0		
19	Guscio	551	553	61	60	4	25.0		
20	Guscio	552	554	553	551	4	25.0		
21	Guscio	104	105	554	552	4	25.0		
22	Guscio	553	555	62	61	4	25.0		
23	Guscio	554	556	555	553	4	25.0		
24	Guscio	105	106	556	554	4	25.0		
25	Guscio	555	557	63	62	4	25.0		
26	Guscio	556	558	557	555	4	25.0		
27	Guscio	106	107	558	556	4	25.0		
28	Guscio	557	559	64	63	4	25.0		
29	Guscio	558	560	559	557	4	25.0		
30	Guscio	107	108	560	558	4	25.0		
31	Guscio	559	561	65	64	4	25.0		
32	Guscio	560	562	561	559	4	25.0		
33	Guscio	108	109	562	560	4	25.0		
34	Guscio	561	462	12	65	4	25.0		

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

35	Guscio	562	461	462	561	4	25.0
36	Guscio	109	11	461	562	4	25.0
37	Guscio	462	563	66	12	4	25.0
38	Guscio	461	564	563	462	4	25.0
39	Guscio	11	198	564	461	4	25.0
40	Guscio	563	565	67	66	4	25.0
41	Guscio	564	566	565	563	4	25.0
42	Guscio	198	199	566	564	4	25.0
43	Guscio	565	567	68	67	4	25.0
44	Guscio	566	568	567	565	4	25.0
45	Guscio	199	200	568	566	4	25.0
46	Guscio	567	569	69	68	4	25.0
47	Guscio	568	570	569	567	4	25.0
48	Guscio	200	201	570	568	4	25.0
49	Guscio	569	571	70	69	4	25.0
50	Guscio	570	572	571	569	4	25.0
51	Guscio	201	202	572	570	4	25.0
52	Guscio	571	573	71	70	4	25.0
53	Guscio	572	574	573	571	4	25.0
54	Guscio	202	203	574	572	4	25.0
55	Guscio	573	575	72	71	4	25.0
56	Guscio	574	576	575	573	4	25.0
57	Guscio	203	204	576	574	4	25.0
58	Guscio	575	577	73	72	4	25.0
59	Guscio	576	578	577	575	4	25.0
60	Guscio	204	205	578	576	4	25.0
61	Guscio	577	579	74	73	4	25.0
62	Guscio	578	580	579	577	4	25.0
63	Guscio	205	206	580	578	4	25.0
64	Guscio	579	581	75	74	4	25.0
65	Guscio	580	582	581	579	4	25.0
66	Guscio	206	207	582	580	4	25.0
67	Guscio	581	583	76	75	4	25.0
68	Guscio	582	584	583	581	4	25.0
69	Guscio	207	208	584	582	4	25.0
70	Guscio	583	472	13	76	4	25.0
71	Guscio	584	471	472	583	4	25.0
72	Guscio	208	14	471	584	4	25.0

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

73	Guscio	464	585	198	11	4	25.0
74	Guscio	463	586	585	464	4	25.0
75	Guscio	10	187	586	463	4	25.0
76	Guscio	585	587	199	198	4	25.0
77	Guscio	586	588	587	585	4	25.0
78	Guscio	187	188	588	586	4	25.0
79	Guscio	587	589	200	199	4	25.0
80	Guscio	588	590	589	587	4	25.0
81	Guscio	188	189	590	588	4	25.0
82	Guscio	589	591	201	200	4	25.0
83	Guscio	590	592	591	589	4	25.0
84	Guscio	189	190	592	590	4	25.0
85	Guscio	591	593	202	201	4	25.0
86	Guscio	592	594	593	591	4	25.0
87	Guscio	190	191	594	592	4	25.0
88	Guscio	593	595	203	202	4	25.0
89	Guscio	594	596	595	593	4	25.0
90	Guscio	191	192	596	594	4	25.0
91	Guscio	595	597	204	203	4	25.0
92	Guscio	596	598	597	595	4	25.0
93	Guscio	192	193	598	596	4	25.0
94	Guscio	597	599	205	204	4	25.0
95	Guscio	598	600	599	597	4	25.0
96	Guscio	193	194	600	598	4	25.0
97	Guscio	599	601	206	205	4	25.0
98	Guscio	600	602	601	599	4	25.0
99	Guscio	194	195	602	600	4	25.0
100	Guscio	601	603	207	206	4	25.0
101	Guscio	602	604	603	601	4	25.0
102	Guscio	195	196	604	602	4	25.0
103	Guscio	603	605	208	207	4	25.0
104	Guscio	604	606	605	603	4	25.0
105	Guscio	196	197	606	604	4	25.0
106	Guscio	605	474	14	208	4	25.0
107	Guscio	606	473	474	605	4	25.0
108	Guscio	197	15	473	606	4	25.0
109	Guscio	466	607	187	10	4	25.0
110	Guscio	465	608	607	466	4	25.0

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

111	Guscio	9	176	608	465	4	25.0
112	Guscio	607	609	188	187	4	25.0
113	Guscio	608	610	609	607	4	25.0
114	Guscio	176	177	610	608	4	25.0
115	Guscio	609	611	189	188	4	25.0
116	Guscio	610	612	611	609	4	25.0
117	Guscio	177	178	612	610	4	25.0
118	Guscio	611	613	190	189	4	25.0
119	Guscio	612	614	613	611	4	25.0
120	Guscio	178	179	614	612	4	25.0
121	Guscio	613	615	191	190	4	25.0
122	Guscio	614	616	615	613	4	25.0
123	Guscio	179	180	616	614	4	25.0
124	Guscio	615	617	192	191	4	25.0
125	Guscio	616	618	617	615	4	25.0
126	Guscio	180	181	618	616	4	25.0
127	Guscio	617	619	193	192	4	25.0
128	Guscio	618	620	619	617	4	25.0
129	Guscio	181	182	620	618	4	25.0
130	Guscio	619	621	194	193	4	25.0
131	Guscio	620	622	621	619	4	25.0
132	Guscio	182	183	622	620	4	25.0
133	Guscio	621	623	195	194	4	25.0
134	Guscio	622	624	623	621	4	25.0
135	Guscio	183	184	624	622	4	25.0
136	Guscio	623	625	196	195	4	25.0
137	Guscio	624	626	625	623	4	25.0
138	Guscio	184	185	626	624	4	25.0
139	Guscio	625	627	197	196	4	25.0
140	Guscio	626	628	627	625	4	25.0
141	Guscio	185	186	628	626	4	25.0
142	Guscio	627	476	15	197	4	25.0
143	Guscio	628	475	476	627	4	25.0
144	Guscio	186	16	475	628	4	25.0
145	Guscio	468	629	176	9	4	25.0
146	Guscio	467	630	629	468	4	25.0
147	Guscio	8	165	630	467	4	25.0
148	Guscio	629	631	177	176	4	25.0

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

149	Guscio	630	632	631	629	4	25.0
150	Guscio	165	166	632	630	4	25.0
151	Guscio	631	633	178	177	4	25.0
152	Guscio	632	634	633	631	4	25.0
153	Guscio	166	167	634	632	4	25.0
154	Guscio	633	635	179	178	4	25.0
155	Guscio	634	636	635	633	4	25.0
156	Guscio	167	168	636	634	4	25.0
157	Guscio	635	637	180	179	4	25.0
158	Guscio	636	638	637	635	4	25.0
159	Guscio	168	169	638	636	4	25.0
160	Guscio	637	639	181	180	4	25.0
161	Guscio	638	640	639	637	4	25.0
162	Guscio	169	170	640	638	4	25.0
163	Guscio	639	641	182	181	4	25.0
164	Guscio	640	642	641	639	4	25.0
165	Guscio	170	171	642	640	4	25.0
166	Guscio	641	643	183	182	4	25.0
167	Guscio	642	644	643	641	4	25.0
168	Guscio	171	172	644	642	4	25.0
169	Guscio	643	645	184	183	4	25.0
170	Guscio	644	646	645	643	4	25.0
171	Guscio	172	173	646	644	4	25.0
172	Guscio	645	647	185	184	4	25.0
173	Guscio	646	648	647	645	4	25.0
174	Guscio	173	174	648	646	4	25.0
175	Guscio	647	649	186	185	4	25.0
176	Guscio	648	650	649	647	4	25.0
177	Guscio	174	175	650	648	4	25.0
178	Guscio	649	478	16	186	4	25.0
179	Guscio	650	477	478	649	4	25.0
180	Guscio	175	17	477	650	4	25.0
181	Guscio	470	651	165	8	4	25.0
182	Guscio	469	652	651	470	4	25.0
183	Guscio	7	154	652	469	4	25.0
184	Guscio	651	653	166	165	4	25.0
185	Guscio	652	654	653	651	4	25.0
186	Guscio	154	155	654	652	4	25.0

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

187	Guscio	653	655	167	166	4	25.0
188	Guscio	654	656	655	653	4	25.0
189	Guscio	155	156	656	654	4	25.0
190	Guscio	655	657	168	167	4	25.0
191	Guscio	656	658	657	655	4	25.0
192	Guscio	156	157	658	656	4	25.0
193	Guscio	657	659	169	168	4	25.0
194	Guscio	658	660	659	657	4	25.0
195	Guscio	157	158	660	658	4	25.0
196	Guscio	659	661	170	169	4	25.0
197	Guscio	660	662	661	659	4	25.0
198	Guscio	158	159	662	660	4	25.0
199	Guscio	661	663	171	170	4	25.0
200	Guscio	662	664	663	661	4	25.0
201	Guscio	159	160	664	662	4	25.0
202	Guscio	663	665	172	171	4	25.0
203	Guscio	664	666	665	663	4	25.0
204	Guscio	160	161	666	664	4	25.0
205	Guscio	665	667	173	172	4	25.0
206	Guscio	666	668	667	665	4	25.0
207	Guscio	161	162	668	666	4	25.0
208	Guscio	667	669	174	173	4	25.0
209	Guscio	668	670	669	667	4	25.0
210	Guscio	162	163	670	668	4	25.0
211	Guscio	669	671	175	174	4	25.0
212	Guscio	670	672	671	669	4	25.0
213	Guscio	163	164	672	670	4	25.0
214	Guscio	671	480	17	175	4	25.0
215	Guscio	672	479	480	671	4	25.0
216	Guscio	164	18	479	672	4	25.0
217	Guscio	454	673	99	2	4	25.0
218	Guscio	453	674	673	454	4	25.0
219	Guscio	3	110	674	453	4	25.0
220	Guscio	673	675	100	99	4	25.0
221	Guscio	674	676	675	673	4	25.0
222	Guscio	110	111	676	674	4	25.0
223	Guscio	675	677	101	100	4	25.0
224	Guscio	676	678	677	675	4	25.0

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

225	Guscio	111	112	678	676	4	25.0
226	Guscio	677	679	102	101	4	25.0
227	Guscio	678	680	679	677	4	25.0
228	Guscio	112	113	680	678	4	25.0
229	Guscio	679	681	103	102	4	25.0
230	Guscio	680	682	681	679	4	25.0
231	Guscio	113	114	682	680	4	25.0
232	Guscio	681	683	104	103	4	25.0
233	Guscio	682	684	683	681	4	25.0
234	Guscio	114	115	684	682	4	25.0
235	Guscio	683	685	105	104	4	25.0
236	Guscio	684	686	685	683	4	25.0
237	Guscio	115	116	686	684	4	25.0
238	Guscio	685	687	106	105	4	25.0
239	Guscio	686	688	687	685	4	25.0
240	Guscio	116	117	688	686	4	25.0
241	Guscio	687	689	107	106	4	25.0
242	Guscio	688	690	689	687	4	25.0
243	Guscio	117	118	690	688	4	25.0
244	Guscio	689	691	108	107	4	25.0
245	Guscio	690	692	691	689	4	25.0
246	Guscio	118	119	692	690	4	25.0
247	Guscio	691	693	109	108	4	25.0
248	Guscio	692	694	693	691	4	25.0
249	Guscio	119	120	694	692	4	25.0
250	Guscio	693	464	11	109	4	25.0
251	Guscio	694	463	464	693	4	25.0
252	Guscio	120	10	463	694	4	25.0
253	Guscio	456	695	110	3	4	25.0
254	Guscio	455	696	695	456	4	25.0
255	Guscio	4	121	696	455	4	25.0
256	Guscio	695	697	111	110	4	25.0
257	Guscio	696	698	697	695	4	25.0
258	Guscio	121	122	698	696	4	25.0
259	Guscio	697	699	112	111	4	25.0
260	Guscio	698	700	699	697	4	25.0
261	Guscio	122	123	700	698	4	25.0
262	Guscio	699	701	113	112	4	25.0

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

263	Guscio	700	702	701	699	4	25.0
264	Guscio	123	124	702	700	4	25.0
265	Guscio	701	703	114	113	4	25.0
266	Guscio	702	704	703	701	4	25.0
267	Guscio	124	125	704	702	4	25.0
268	Guscio	703	705	115	114	4	25.0
269	Guscio	704	706	705	703	4	25.0
270	Guscio	125	126	706	704	4	25.0
271	Guscio	705	707	116	115	4	25.0
272	Guscio	706	708	707	705	4	25.0
273	Guscio	126	127	708	706	4	25.0
274	Guscio	707	709	117	116	4	25.0
275	Guscio	708	710	709	707	4	25.0
276	Guscio	127	128	710	708	4	25.0
277	Guscio	709	711	118	117	4	25.0
278	Guscio	710	712	711	709	4	25.0
279	Guscio	128	129	712	710	4	25.0
280	Guscio	711	713	119	118	4	25.0
281	Guscio	712	714	713	711	4	25.0
282	Guscio	129	130	714	712	4	25.0
283	Guscio	713	715	120	119	4	25.0
284	Guscio	714	716	715	713	4	25.0
285	Guscio	130	131	716	714	4	25.0
286	Guscio	715	466	10	120	4	25.0
287	Guscio	716	465	466	715	4	25.0
288	Guscio	131	9	465	716	4	25.0
289	Guscio	458	717	121	4	4	25.0
290	Guscio	457	718	717	458	4	25.0
291	Guscio	5	132	718	457	4	25.0
292	Guscio	717	719	122	121	4	25.0
293	Guscio	718	720	719	717	4	25.0
294	Guscio	132	133	720	718	4	25.0
295	Guscio	719	721	123	122	4	25.0
296	Guscio	720	722	721	719	4	25.0
297	Guscio	133	134	722	720	4	25.0
298	Guscio	721	723	124	123	4	25.0
299	Guscio	722	724	723	721	4	25.0
300	Guscio	134	135	724	722	4	25.0

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

301	Guscio	723	725	125	124	4	25.0
302	Guscio	724	726	725	723	4	25.0
303	Guscio	135	136	726	724	4	25.0
304	Guscio	725	727	126	125	4	25.0
305	Guscio	726	728	727	725	4	25.0
306	Guscio	136	137	728	726	4	25.0
307	Guscio	727	729	127	126	4	25.0
308	Guscio	728	730	729	727	4	25.0
309	Guscio	137	138	730	728	4	25.0
310	Guscio	729	731	128	127	4	25.0
311	Guscio	730	732	731	729	4	25.0
312	Guscio	138	139	732	730	4	25.0
313	Guscio	731	733	129	128	4	25.0
314	Guscio	732	734	733	731	4	25.0
315	Guscio	139	140	734	732	4	25.0
316	Guscio	733	735	130	129	4	25.0
317	Guscio	734	736	735	733	4	25.0
318	Guscio	140	141	736	734	4	25.0
319	Guscio	735	737	131	130	4	25.0
320	Guscio	736	738	737	735	4	25.0
321	Guscio	141	142	738	736	4	25.0
322	Guscio	737	468	9	131	4	25.0
323	Guscio	738	467	468	737	4	25.0
324	Guscio	142	8	467	738	4	25.0
325	Guscio	460	739	132	5	4	25.0
326	Guscio	459	740	739	460	4	25.0
327	Guscio	6	143	740	459	4	25.0
328	Guscio	739	741	133	132	4	25.0
329	Guscio	740	742	741	739	4	25.0
330	Guscio	143	144	742	740	4	25.0
331	Guscio	741	743	134	133	4	25.0
332	Guscio	742	744	743	741	4	25.0
333	Guscio	144	145	744	742	4	25.0
334	Guscio	743	745	135	134	4	25.0
335	Guscio	744	746	745	743	4	25.0
336	Guscio	145	146	746	744	4	25.0
337	Guscio	745	747	136	135	4	25.0
338	Guscio	746	748	747	745	4	25.0

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

339	Guscio	146	147	748	746	4	25.0
340	Guscio	747	749	137	136	4	25.0
341	Guscio	748	750	749	747	4	25.0
342	Guscio	147	148	750	748	4	25.0
343	Guscio	749	751	138	137	4	25.0
344	Guscio	750	752	751	749	4	25.0
345	Guscio	148	149	752	750	4	25.0
346	Guscio	751	753	139	138	4	25.0
347	Guscio	752	754	753	751	4	25.0
348	Guscio	149	150	754	752	4	25.0
349	Guscio	753	755	140	139	4	25.0
350	Guscio	754	756	755	753	4	25.0
351	Guscio	150	151	756	754	4	25.0
352	Guscio	755	757	141	140	4	25.0
353	Guscio	756	758	757	755	4	25.0
354	Guscio	151	152	758	756	4	25.0
355	Guscio	757	759	142	141	4	25.0
356	Guscio	758	760	759	757	4	25.0
357	Guscio	152	153	760	758	4	25.0
358	Guscio	759	470	8	142	4	25.0
359	Guscio	760	469	470	759	4	25.0
360	Guscio	153	7	469	760	4	25.0
361	Guscio	482	761	77	24	4	25.0
362	Guscio	481	762	761	482	4	25.0
363	Guscio	23	275	762	481	4	25.0
364	Guscio	761	763	78	77	4	25.0
365	Guscio	762	764	763	761	4	25.0
366	Guscio	275	276	764	762	4	25.0
367	Guscio	763	765	79	78	4	25.0
368	Guscio	764	766	765	763	4	25.0
369	Guscio	276	277	766	764	4	25.0
370	Guscio	765	767	80	79	4	25.0
371	Guscio	766	768	767	765	4	25.0
372	Guscio	277	278	768	766	4	25.0
373	Guscio	767	769	81	80	4	25.0
374	Guscio	768	770	769	767	4	25.0
375	Guscio	278	279	770	768	4	25.0
376	Guscio	769	771	82	81	4	25.0

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

377	Guscio	770	772	771	769	4	25.0
378	Guscio	279	280	772	770	4	25.0
379	Guscio	771	773	83	82	4	25.0
380	Guscio	772	774	773	771	4	25.0
381	Guscio	280	281	774	772	4	25.0
382	Guscio	773	775	84	83	4	25.0
383	Guscio	774	776	775	773	4	25.0
384	Guscio	281	282	776	774	4	25.0
385	Guscio	775	777	85	84	4	25.0
386	Guscio	776	778	777	775	4	25.0
387	Guscio	282	283	778	776	4	25.0
388	Guscio	777	779	86	85	4	25.0
389	Guscio	778	780	779	777	4	25.0
390	Guscio	283	284	780	778	4	25.0
391	Guscio	779	781	87	86	4	25.0
392	Guscio	780	782	781	779	4	25.0
393	Guscio	284	285	782	780	4	25.0
394	Guscio	781	492	25	87	4	25.0
395	Guscio	782	491	492	781	4	25.0
396	Guscio	285	26	491	782	4	25.0
397	Guscio	484	783	275	23	4	25.0
398	Guscio	483	784	783	484	4	25.0
399	Guscio	22	286	784	483	4	25.0
400	Guscio	783	785	276	275	4	25.0
401	Guscio	784	786	785	783	4	25.0
402	Guscio	286	287	786	784	4	25.0
403	Guscio	785	787	277	276	4	25.0
404	Guscio	786	788	787	785	4	25.0
405	Guscio	287	288	788	786	4	25.0
406	Guscio	787	789	278	277	4	25.0
407	Guscio	788	790	789	787	4	25.0
408	Guscio	288	289	790	788	4	25.0
409	Guscio	789	791	279	278	4	25.0
410	Guscio	790	792	791	789	4	25.0
411	Guscio	289	290	792	790	4	25.0
412	Guscio	791	793	280	279	4	25.0
413	Guscio	792	794	793	791	4	25.0
414	Guscio	290	291	794	792	4	25.0

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

415	Guscio	793	795	281	280	4	25.0
416	Guscio	794	796	795	793	4	25.0
417	Guscio	291	292	796	794	4	25.0
418	Guscio	795	797	282	281	4	25.0
419	Guscio	796	798	797	795	4	25.0
420	Guscio	292	293	798	796	4	25.0
421	Guscio	797	799	283	282	4	25.0
422	Guscio	798	800	799	797	4	25.0
423	Guscio	293	294	800	798	4	25.0
424	Guscio	799	801	284	283	4	25.0
425	Guscio	800	802	801	799	4	25.0
426	Guscio	294	295	802	800	4	25.0
427	Guscio	801	803	285	284	4	25.0
428	Guscio	802	804	803	801	4	25.0
429	Guscio	295	296	804	802	4	25.0
430	Guscio	803	494	26	285	4	25.0
431	Guscio	804	493	494	803	4	25.0
432	Guscio	296	27	493	804	4	25.0
433	Guscio	486	805	286	22	4	25.0
434	Guscio	485	806	805	486	4	25.0
435	Guscio	21	297	806	485	4	25.0
436	Guscio	805	807	287	286	4	25.0
437	Guscio	806	808	807	805	4	25.0
438	Guscio	297	298	808	806	4	25.0
439	Guscio	807	809	288	287	4	25.0
440	Guscio	808	810	809	807	4	25.0
441	Guscio	298	299	810	808	4	25.0
442	Guscio	809	811	289	288	4	25.0
443	Guscio	810	812	811	809	4	25.0
444	Guscio	299	300	812	810	4	25.0
445	Guscio	811	813	290	289	4	25.0
446	Guscio	812	814	813	811	4	25.0
447	Guscio	300	301	814	812	4	25.0
448	Guscio	813	815	291	290	4	25.0
449	Guscio	814	816	815	813	4	25.0
450	Guscio	301	302	816	814	4	25.0
451	Guscio	815	817	292	291	4	25.0
452	Guscio	816	818	817	815	4	25.0

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

453	Guscio	302	303	818	816	4	25.0
454	Guscio	817	819	293	292	4	25.0
455	Guscio	818	820	819	817	4	25.0
456	Guscio	303	304	820	818	4	25.0
457	Guscio	819	821	294	293	4	25.0
458	Guscio	820	822	821	819	4	25.0
459	Guscio	304	305	822	820	4	25.0
460	Guscio	821	823	295	294	4	25.0
461	Guscio	822	824	823	821	4	25.0
462	Guscio	305	306	824	822	4	25.0
463	Guscio	823	825	296	295	4	25.0
464	Guscio	824	826	825	823	4	25.0
465	Guscio	306	307	826	824	4	25.0
466	Guscio	825	496	27	296	4	25.0
467	Guscio	826	495	496	825	4	25.0
468	Guscio	307	28	495	826	4	25.0
469	Guscio	488	827	297	21	4	25.0
470	Guscio	487	828	827	488	4	25.0
471	Guscio	20	308	828	487	4	25.0
472	Guscio	827	829	298	297	4	25.0
473	Guscio	828	830	829	827	4	25.0
474	Guscio	308	309	830	828	4	25.0
475	Guscio	829	831	299	298	4	25.0
476	Guscio	830	832	831	829	4	25.0
477	Guscio	309	310	832	830	4	25.0
478	Guscio	831	833	300	299	4	25.0
479	Guscio	832	834	833	831	4	25.0
480	Guscio	310	311	834	832	4	25.0
481	Guscio	833	835	301	300	4	25.0
482	Guscio	834	836	835	833	4	25.0
483	Guscio	311	312	836	834	4	25.0
484	Guscio	835	837	302	301	4	25.0
485	Guscio	836	838	837	835	4	25.0
486	Guscio	312	313	838	836	4	25.0
487	Guscio	837	839	303	302	4	25.0
488	Guscio	838	840	839	837	4	25.0
489	Guscio	313	314	840	838	4	25.0
490	Guscio	839	841	304	303	4	25.0

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

491	Guscio	840	842	841	839	4	25.0
492	Guscio	314	315	842	840	4	25.0
493	Guscio	841	843	305	304	4	25.0
494	Guscio	842	844	843	841	4	25.0
495	Guscio	315	316	844	842	4	25.0
496	Guscio	843	845	306	305	4	25.0
497	Guscio	844	846	845	843	4	25.0
498	Guscio	316	317	846	844	4	25.0
499	Guscio	845	847	307	306	4	25.0
500	Guscio	846	848	847	845	4	25.0
501	Guscio	317	318	848	846	4	25.0
502	Guscio	847	498	28	307	4	25.0
503	Guscio	848	497	498	847	4	25.0
504	Guscio	318	29	497	848	4	25.0
505	Guscio	490	849	308	20	4	25.0
506	Guscio	489	850	849	490	4	25.0
507	Guscio	19	209	850	489	4	25.0
508	Guscio	849	851	309	308	4	25.0
509	Guscio	850	852	851	849	4	25.0
510	Guscio	209	210	852	850	4	25.0
511	Guscio	851	853	310	309	4	25.0
512	Guscio	852	854	853	851	4	25.0
513	Guscio	210	211	854	852	4	25.0
514	Guscio	853	855	311	310	4	25.0
515	Guscio	854	856	855	853	4	25.0
516	Guscio	211	212	856	854	4	25.0
517	Guscio	855	857	312	311	4	25.0
518	Guscio	856	858	857	855	4	25.0
519	Guscio	212	213	858	856	4	25.0
520	Guscio	857	859	313	312	4	25.0
521	Guscio	858	860	859	857	4	25.0
522	Guscio	213	214	860	858	4	25.0
523	Guscio	859	861	314	313	4	25.0
524	Guscio	860	862	861	859	4	25.0
525	Guscio	214	215	862	860	4	25.0
526	Guscio	861	863	315	314	4	25.0
527	Guscio	862	864	863	861	4	25.0
528	Guscio	215	216	864	862	4	25.0

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

529	Guscio	863	865	316	315	4	25.0
530	Guscio	864	866	865	863	4	25.0
531	Guscio	216	217	866	864	4	25.0
532	Guscio	865	867	317	316	4	25.0
533	Guscio	866	868	867	865	4	25.0
534	Guscio	217	218	868	866	4	25.0
535	Guscio	867	869	318	317	4	25.0
536	Guscio	868	870	869	867	4	25.0
537	Guscio	218	219	870	868	4	25.0
538	Guscio	869	500	29	318	4	25.0
539	Guscio	870	499	500	869	4	25.0
540	Guscio	219	30	499	870	4	25.0
541	Guscio	492	871	88	25	4	25.0
542	Guscio	491	872	871	492	4	25.0
543	Guscio	26	264	872	491	4	25.0
544	Guscio	871	873	89	88	4	25.0
545	Guscio	872	874	873	871	4	25.0
546	Guscio	264	265	874	872	4	25.0
547	Guscio	873	875	90	89	4	25.0
548	Guscio	874	876	875	873	4	25.0
549	Guscio	265	266	876	874	4	25.0
550	Guscio	875	877	91	90	4	25.0
551	Guscio	876	878	877	875	4	25.0
552	Guscio	266	267	878	876	4	25.0
553	Guscio	877	879	92	91	4	25.0
554	Guscio	878	880	879	877	4	25.0
555	Guscio	267	268	880	878	4	25.0
556	Guscio	879	881	93	92	4	25.0
557	Guscio	880	882	881	879	4	25.0
558	Guscio	268	269	882	880	4	25.0
559	Guscio	881	883	94	93	4	25.0
560	Guscio	882	884	883	881	4	25.0
561	Guscio	269	270	884	882	4	25.0
562	Guscio	883	885	95	94	4	25.0
563	Guscio	884	886	885	883	4	25.0
564	Guscio	270	271	886	884	4	25.0
565	Guscio	885	887	96	95	4	25.0
566	Guscio	886	888	887	885	4	25.0

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

567	Guscio	271	272	888	886	4	25.0
568	Guscio	887	889	97	96	4	25.0
569	Guscio	888	890	889	887	4	25.0
570	Guscio	272	273	890	888	4	25.0
571	Guscio	889	891	98	97	4	25.0
572	Guscio	890	892	891	889	4	25.0
573	Guscio	273	274	892	890	4	25.0
574	Guscio	891	502	36	98	4	25.0
575	Guscio	892	501	502	891	4	25.0
576	Guscio	274	35	501	892	4	25.0
577	Guscio	494	893	264	26	4	25.0
578	Guscio	493	894	893	494	4	25.0
579	Guscio	27	253	894	493	4	25.0
580	Guscio	893	895	265	264	4	25.0
581	Guscio	894	896	895	893	4	25.0
582	Guscio	253	254	896	894	4	25.0
583	Guscio	895	897	266	265	4	25.0
584	Guscio	896	898	897	895	4	25.0
585	Guscio	254	255	898	896	4	25.0
586	Guscio	897	899	267	266	4	25.0
587	Guscio	898	900	899	897	4	25.0
588	Guscio	255	256	900	898	4	25.0
589	Guscio	899	901	268	267	4	25.0
590	Guscio	900	902	901	899	4	25.0
591	Guscio	256	257	902	900	4	25.0
592	Guscio	901	903	269	268	4	25.0
593	Guscio	902	904	903	901	4	25.0
594	Guscio	257	258	904	902	4	25.0
595	Guscio	903	905	270	269	4	25.0
596	Guscio	904	906	905	903	4	25.0
597	Guscio	258	259	906	904	4	25.0
598	Guscio	905	907	271	270	4	25.0
599	Guscio	906	908	907	905	4	25.0
600	Guscio	259	260	908	906	4	25.0
601	Guscio	907	909	272	271	4	25.0
602	Guscio	908	910	909	907	4	25.0
603	Guscio	260	261	910	908	4	25.0
604	Guscio	909	911	273	272	4	25.0

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

605	Guscio	910	912	911	909	4	25.0
606	Guscio	261	262	912	910	4	25.0
607	Guscio	911	913	274	273	4	25.0
608	Guscio	912	914	913	911	4	25.0
609	Guscio	262	263	914	912	4	25.0
610	Guscio	913	504	35	274	4	25.0
611	Guscio	914	503	504	913	4	25.0
612	Guscio	263	34	503	914	4	25.0
613	Guscio	496	915	253	27	4	25.0
614	Guscio	495	916	915	496	4	25.0
615	Guscio	28	242	916	495	4	25.0
616	Guscio	915	917	254	253	4	25.0
617	Guscio	916	918	917	915	4	25.0
618	Guscio	242	243	918	916	4	25.0
619	Guscio	917	919	255	254	4	25.0
620	Guscio	918	920	919	917	4	25.0
621	Guscio	243	244	920	918	4	25.0
622	Guscio	919	921	256	255	4	25.0
623	Guscio	920	922	921	919	4	25.0
624	Guscio	244	245	922	920	4	25.0
625	Guscio	921	923	257	256	4	25.0
626	Guscio	922	924	923	921	4	25.0
627	Guscio	245	246	924	922	4	25.0
628	Guscio	923	925	258	257	4	25.0
629	Guscio	924	926	925	923	4	25.0
630	Guscio	246	247	926	924	4	25.0
631	Guscio	925	927	259	258	4	25.0
632	Guscio	926	928	927	925	4	25.0
633	Guscio	247	248	928	926	4	25.0
634	Guscio	927	929	260	259	4	25.0
635	Guscio	928	930	929	927	4	25.0
636	Guscio	248	249	930	928	4	25.0
637	Guscio	929	931	261	260	4	25.0
638	Guscio	930	932	931	929	4	25.0
639	Guscio	249	250	932	930	4	25.0
640	Guscio	931	933	262	261	4	25.0
641	Guscio	932	934	933	931	4	25.0
642	Guscio	250	251	934	932	4	25.0

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

643	Guscio	933	935	263	262	4	25.0
644	Guscio	934	936	935	933	4	25.0
645	Guscio	251	252	936	934	4	25.0
646	Guscio	935	506	34	263	4	25.0
647	Guscio	936	505	506	935	4	25.0
648	Guscio	252	33	505	936	4	25.0
649	Guscio	498	937	242	28	4	25.0
650	Guscio	497	938	937	498	4	25.0
651	Guscio	29	231	938	497	4	25.0
652	Guscio	937	939	243	242	4	25.0
653	Guscio	938	940	939	937	4	25.0
654	Guscio	231	232	940	938	4	25.0
655	Guscio	939	941	244	243	4	25.0
656	Guscio	940	942	941	939	4	25.0
657	Guscio	232	233	942	940	4	25.0
658	Guscio	941	943	245	244	4	25.0
659	Guscio	942	944	943	941	4	25.0
660	Guscio	233	234	944	942	4	25.0
661	Guscio	943	945	246	245	4	25.0
662	Guscio	944	946	945	943	4	25.0
663	Guscio	234	235	946	944	4	25.0
664	Guscio	945	947	247	246	4	25.0
665	Guscio	946	948	947	945	4	25.0
666	Guscio	235	236	948	946	4	25.0
667	Guscio	947	949	248	247	4	25.0
668	Guscio	948	950	949	947	4	25.0
669	Guscio	236	237	950	948	4	25.0
670	Guscio	949	951	249	248	4	25.0
671	Guscio	950	952	951	949	4	25.0
672	Guscio	237	238	952	950	4	25.0
673	Guscio	951	953	250	249	4	25.0
674	Guscio	952	954	953	951	4	25.0
675	Guscio	238	239	954	952	4	25.0
676	Guscio	953	955	251	250	4	25.0
677	Guscio	954	956	955	953	4	25.0
678	Guscio	239	240	956	954	4	25.0
679	Guscio	955	957	252	251	4	25.0
680	Guscio	956	958	957	955	4	25.0

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

681	Guscio	240	241	958	956	4	25.0
682	Guscio	957	508	33	252	4	25.0
683	Guscio	958	507	508	957	4	25.0
684	Guscio	241	32	507	958	4	25.0
685	Guscio	500	959	231	29	4	25.0
686	Guscio	499	960	959	500	4	25.0
687	Guscio	30	220	960	499	4	25.0
688	Guscio	959	961	232	231	4	25.0
689	Guscio	960	962	961	959	4	25.0
690	Guscio	220	221	962	960	4	25.0
691	Guscio	961	963	233	232	4	25.0
692	Guscio	962	964	963	961	4	25.0
693	Guscio	221	222	964	962	4	25.0
694	Guscio	963	965	234	233	4	25.0
695	Guscio	964	966	965	963	4	25.0
696	Guscio	222	223	966	964	4	25.0
697	Guscio	965	967	235	234	4	25.0
698	Guscio	966	968	967	965	4	25.0
699	Guscio	223	224	968	966	4	25.0
700	Guscio	967	969	236	235	4	25.0
701	Guscio	968	970	969	967	4	25.0
702	Guscio	224	225	970	968	4	25.0
703	Guscio	969	971	237	236	4	25.0
704	Guscio	970	972	971	969	4	25.0
705	Guscio	225	226	972	970	4	25.0
706	Guscio	971	973	238	237	4	25.0
707	Guscio	972	974	973	971	4	25.0
708	Guscio	226	227	974	972	4	25.0
709	Guscio	973	975	239	238	4	25.0
710	Guscio	974	976	975	973	4	25.0
711	Guscio	227	228	976	974	4	25.0
712	Guscio	975	977	240	239	4	25.0
713	Guscio	976	978	977	975	4	25.0
714	Guscio	228	229	978	976	4	25.0
715	Guscio	977	979	241	240	4	25.0
716	Guscio	978	980	979	977	4	25.0
717	Guscio	229	230	980	978	4	25.0
718	Guscio	979	510	32	241	4	25.0

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

719	Guscio	980	509	510	979	4	25.0
720	Guscio	230	31	509	980	4	25.0
721	Guscio	512	981	319	37	4	25.0
722	Guscio	511	982	981	512	4	25.0
723	Guscio	38	341	982	511	4	25.0
724	Guscio	981	983	320	319	4	25.0
725	Guscio	982	984	983	981	4	25.0
726	Guscio	341	342	984	982	4	25.0
727	Guscio	983	985	321	320	4	25.0
728	Guscio	984	986	985	983	4	25.0
729	Guscio	342	343	986	984	4	25.0
730	Guscio	985	987	322	321	4	25.0
731	Guscio	986	988	987	985	4	25.0
732	Guscio	343	344	988	986	4	25.0
733	Guscio	987	989	323	322	4	25.0
734	Guscio	988	990	989	987	4	25.0
735	Guscio	344	345	990	988	4	25.0
736	Guscio	989	991	324	323	4	25.0
737	Guscio	990	992	991	989	4	25.0
738	Guscio	345	346	992	990	4	25.0
739	Guscio	991	993	325	324	4	25.0
740	Guscio	992	994	993	991	4	25.0
741	Guscio	346	347	994	992	4	25.0
742	Guscio	993	995	326	325	4	25.0
743	Guscio	994	996	995	993	4	25.0
744	Guscio	347	348	996	994	4	25.0
745	Guscio	995	997	327	326	4	25.0
746	Guscio	996	998	997	995	4	25.0
747	Guscio	348	349	998	996	4	25.0
748	Guscio	997	999	328	327	4	25.0
749	Guscio	998	1000	999	997	4	25.0
750	Guscio	349	350	1000	998	4	25.0
751	Guscio	999	1001	329	328	4	25.0
752	Guscio	1000	1002	1001	999	4	25.0
753	Guscio	350	351	1002	1000	4	25.0
754	Guscio	1001	532	48	329	4	25.0
755	Guscio	1002	531	532	1001	4	25.0
756	Guscio	351	47	531	1002	4	25.0

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

757	Guscio	532	1003	330	48	4	25.0
758	Guscio	531	1004	1003	532	4	25.0
759	Guscio	47	352	1004	531	4	25.0
760	Guscio	1003	1005	331	330	4	25.0
761	Guscio	1004	1006	1005	1003	4	25.0
762	Guscio	352	353	1006	1004	4	25.0
763	Guscio	1005	1007	332	331	4	25.0
764	Guscio	1006	1008	1007	1005	4	25.0
765	Guscio	353	354	1008	1006	4	25.0
766	Guscio	1007	1009	333	332	4	25.0
767	Guscio	1008	1010	1009	1007	4	25.0
768	Guscio	354	355	1010	1008	4	25.0
769	Guscio	1009	1011	334	333	4	25.0
770	Guscio	1010	1012	1011	1009	4	25.0
771	Guscio	355	356	1012	1010	4	25.0
772	Guscio	1011	1013	335	334	4	25.0
773	Guscio	1012	1014	1013	1011	4	25.0
774	Guscio	356	357	1014	1012	4	25.0
775	Guscio	1013	1015	336	335	4	25.0
776	Guscio	1014	1016	1015	1013	4	25.0
777	Guscio	357	358	1016	1014	4	25.0
778	Guscio	1015	1017	337	336	4	25.0
779	Guscio	1016	1018	1017	1015	4	25.0
780	Guscio	358	359	1018	1016	4	25.0
781	Guscio	1017	1019	338	337	4	25.0
782	Guscio	1018	1020	1019	1017	4	25.0
783	Guscio	359	360	1020	1018	4	25.0
784	Guscio	1019	1021	339	338	4	25.0
785	Guscio	1020	1022	1021	1019	4	25.0
786	Guscio	360	361	1022	1020	4	25.0
787	Guscio	1021	1023	340	339	4	25.0
788	Guscio	1022	1024	1023	1021	4	25.0
789	Guscio	361	362	1024	1022	4	25.0
790	Guscio	1023	522	49	340	4	25.0
791	Guscio	1024	521	522	1023	4	25.0
792	Guscio	362	50	521	1024	4	25.0
793	Guscio	534	1025	352	47	4	25.0
794	Guscio	533	1026	1025	534	4	25.0

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

795	Guscio	46	374	1026	533	4	25.0
796	Guscio	1025	1027	353	352	4	25.0
797	Guscio	1026	1028	1027	1025	4	25.0
798	Guscio	374	375	1028	1026	4	25.0
799	Guscio	1027	1029	354	353	4	25.0
800	Guscio	1028	1030	1029	1027	4	25.0
801	Guscio	375	376	1030	1028	4	25.0
802	Guscio	1029	1031	355	354	4	25.0
803	Guscio	1030	1032	1031	1029	4	25.0
804	Guscio	376	377	1032	1030	4	25.0
805	Guscio	1031	1033	356	355	4	25.0
806	Guscio	1032	1034	1033	1031	4	25.0
807	Guscio	377	378	1034	1032	4	25.0
808	Guscio	1033	1035	357	356	4	25.0
809	Guscio	1034	1036	1035	1033	4	25.0
810	Guscio	378	379	1036	1034	4	25.0
811	Guscio	1035	1037	358	357	4	25.0
812	Guscio	1036	1038	1037	1035	4	25.0
813	Guscio	379	380	1038	1036	4	25.0
814	Guscio	1037	1039	359	358	4	25.0
815	Guscio	1038	1040	1039	1037	4	25.0
816	Guscio	380	381	1040	1038	4	25.0
817	Guscio	1039	1041	360	359	4	25.0
818	Guscio	1040	1042	1041	1039	4	25.0
819	Guscio	381	382	1042	1040	4	25.0
820	Guscio	1041	1043	361	360	4	25.0
821	Guscio	1042	1044	1043	1041	4	25.0
822	Guscio	382	383	1044	1042	4	25.0
823	Guscio	1043	1045	362	361	4	25.0
824	Guscio	1044	1046	1045	1043	4	25.0
825	Guscio	383	384	1046	1044	4	25.0
826	Guscio	1045	524	50	362	4	25.0
827	Guscio	1046	523	524	1045	4	25.0
828	Guscio	384	51	523	1046	4	25.0
829	Guscio	536	1047	374	46	4	25.0
830	Guscio	535	1048	1047	536	4	25.0
831	Guscio	45	396	1048	535	4	25.0
832	Guscio	1047	1049	375	374	4	25.0

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

833	Guscio	1048	1050	1049	1047	4	25.0
834	Guscio	396	397	1050	1048	4	25.0
835	Guscio	1049	1051	376	375	4	25.0
836	Guscio	1050	1052	1051	1049	4	25.0
837	Guscio	397	398	1052	1050	4	25.0
838	Guscio	1051	1053	377	376	4	25.0
839	Guscio	1052	1054	1053	1051	4	25.0
840	Guscio	398	399	1054	1052	4	25.0
841	Guscio	1053	1055	378	377	4	25.0
842	Guscio	1054	1056	1055	1053	4	25.0
843	Guscio	399	400	1056	1054	4	25.0
844	Guscio	1055	1057	379	378	4	25.0
845	Guscio	1056	1058	1057	1055	4	25.0
846	Guscio	400	401	1058	1056	4	25.0
847	Guscio	1057	1059	380	379	4	25.0
848	Guscio	1058	1060	1059	1057	4	25.0
849	Guscio	401	402	1060	1058	4	25.0
850	Guscio	1059	1061	381	380	4	25.0
851	Guscio	1060	1062	1061	1059	4	25.0
852	Guscio	402	403	1062	1060	4	25.0
853	Guscio	1061	1063	382	381	4	25.0
854	Guscio	1062	1064	1063	1061	4	25.0
855	Guscio	403	404	1064	1062	4	25.0
856	Guscio	1063	1065	383	382	4	25.0
857	Guscio	1064	1066	1065	1063	4	25.0
858	Guscio	404	405	1066	1064	4	25.0
859	Guscio	1065	1067	384	383	4	25.0
860	Guscio	1066	1068	1067	1065	4	25.0
861	Guscio	405	406	1068	1066	4	25.0
862	Guscio	1067	526	51	384	4	25.0
863	Guscio	1068	525	526	1067	4	25.0
864	Guscio	406	52	525	1068	4	25.0
865	Guscio	538	1069	396	45	4	25.0
866	Guscio	537	1070	1069	538	4	25.0
867	Guscio	44	418	1070	537	4	25.0
868	Guscio	1069	1071	397	396	4	25.0
869	Guscio	1070	1072	1071	1069	4	25.0
870	Guscio	418	419	1072	1070	4	25.0

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

871	Guscio	1071	1073	398	397	4	25.0
872	Guscio	1072	1074	1073	1071	4	25.0
873	Guscio	419	420	1074	1072	4	25.0
874	Guscio	1073	1075	399	398	4	25.0
875	Guscio	1074	1076	1075	1073	4	25.0
876	Guscio	420	421	1076	1074	4	25.0
877	Guscio	1075	1077	400	399	4	25.0
878	Guscio	1076	1078	1077	1075	4	25.0
879	Guscio	421	422	1078	1076	4	25.0
880	Guscio	1077	1079	401	400	4	25.0
881	Guscio	1078	1080	1079	1077	4	25.0
882	Guscio	422	423	1080	1078	4	25.0
883	Guscio	1079	1081	402	401	4	25.0
884	Guscio	1080	1082	1081	1079	4	25.0
885	Guscio	423	424	1082	1080	4	25.0
886	Guscio	1081	1083	403	402	4	25.0
887	Guscio	1082	1084	1083	1081	4	25.0
888	Guscio	424	425	1084	1082	4	25.0
889	Guscio	1083	1085	404	403	4	25.0
890	Guscio	1084	1086	1085	1083	4	25.0
891	Guscio	425	426	1086	1084	4	25.0
892	Guscio	1085	1087	405	404	4	25.0
893	Guscio	1086	1088	1087	1085	4	25.0
894	Guscio	426	427	1088	1086	4	25.0
895	Guscio	1087	1089	406	405	4	25.0
896	Guscio	1088	1090	1089	1087	4	25.0
897	Guscio	427	428	1090	1088	4	25.0
898	Guscio	1089	528	52	406	4	25.0
899	Guscio	1090	527	528	1089	4	25.0
900	Guscio	428	53	527	1090	4	25.0
901	Guscio	540	1091	418	44	4	25.0
902	Guscio	539	1092	1091	540	4	25.0
903	Guscio	43	440	1092	539	4	25.0
904	Guscio	1091	1093	419	418	4	25.0
905	Guscio	1092	1094	1093	1091	4	25.0
906	Guscio	440	441	1094	1092	4	25.0
907	Guscio	1093	1095	420	419	4	25.0
908	Guscio	1094	1096	1095	1093	4	25.0

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

909	Guscio	441	442	1096	1094	4	25.0
910	Guscio	1095	1097	421	420	4	25.0
911	Guscio	1096	1098	1097	1095	4	25.0
912	Guscio	442	443	1098	1096	4	25.0
913	Guscio	1097	1099	422	421	4	25.0
914	Guscio	1098	1100	1099	1097	4	25.0
915	Guscio	443	444	1100	1098	4	25.0
916	Guscio	1099	1101	423	422	4	25.0
917	Guscio	1100	1102	1101	1099	4	25.0
918	Guscio	444	445	1102	1100	4	25.0
919	Guscio	1101	1103	424	423	4	25.0
920	Guscio	1102	1104	1103	1101	4	25.0
921	Guscio	445	446	1104	1102	4	25.0
922	Guscio	1103	1105	425	424	4	25.0
923	Guscio	1104	1106	1105	1103	4	25.0
924	Guscio	446	447	1106	1104	4	25.0
925	Guscio	1105	1107	426	425	4	25.0
926	Guscio	1106	1108	1107	1105	4	25.0
927	Guscio	447	448	1108	1106	4	25.0
928	Guscio	1107	1109	427	426	4	25.0
929	Guscio	1108	1110	1109	1107	4	25.0
930	Guscio	448	449	1110	1108	4	25.0
931	Guscio	1109	1111	428	427	4	25.0
932	Guscio	1110	1112	1111	1109	4	25.0
933	Guscio	449	450	1112	1110	4	25.0
934	Guscio	1111	530	53	428	4	25.0
935	Guscio	1112	529	530	1111	4	25.0
936	Guscio	450	54	529	1112	4	25.0
937	Guscio	514	1113	341	38	4	25.0
938	Guscio	513	1114	1113	514	4	25.0
939	Guscio	39	363	1114	513	4	25.0
940	Guscio	1113	1115	342	341	4	25.0
941	Guscio	1114	1116	1115	1113	4	25.0
942	Guscio	363	364	1116	1114	4	25.0
943	Guscio	1115	1117	343	342	4	25.0
944	Guscio	1116	1118	1117	1115	4	25.0
945	Guscio	364	365	1118	1116	4	25.0
946	Guscio	1117	1119	344	343	4	25.0

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

947	Guscio	1118	1120	1119	1117	4	25.0
948	Guscio	365	366	1120	1118	4	25.0
949	Guscio	1119	1121	345	344	4	25.0
950	Guscio	1120	1122	1121	1119	4	25.0
951	Guscio	366	367	1122	1120	4	25.0
952	Guscio	1121	1123	346	345	4	25.0
953	Guscio	1122	1124	1123	1121	4	25.0
954	Guscio	367	368	1124	1122	4	25.0
955	Guscio	1123	1125	347	346	4	25.0
956	Guscio	1124	1126	1125	1123	4	25.0
957	Guscio	368	369	1126	1124	4	25.0
958	Guscio	1125	1127	348	347	4	25.0
959	Guscio	1126	1128	1127	1125	4	25.0
960	Guscio	369	370	1128	1126	4	25.0
961	Guscio	1127	1129	349	348	4	25.0
962	Guscio	1128	1130	1129	1127	4	25.0
963	Guscio	370	371	1130	1128	4	25.0
964	Guscio	1129	1131	350	349	4	25.0
965	Guscio	1130	1132	1131	1129	4	25.0
966	Guscio	371	372	1132	1130	4	25.0
967	Guscio	1131	1133	351	350	4	25.0
968	Guscio	1132	1134	1133	1131	4	25.0
969	Guscio	372	373	1134	1132	4	25.0
970	Guscio	1133	534	47	351	4	25.0
971	Guscio	1134	533	534	1133	4	25.0
972	Guscio	373	46	533	1134	4	25.0
973	Guscio	516	1135	363	39	4	25.0
974	Guscio	515	1136	1135	516	4	25.0
975	Guscio	40	385	1136	515	4	25.0
976	Guscio	1135	1137	364	363	4	25.0
977	Guscio	1136	1138	1137	1135	4	25.0
978	Guscio	385	386	1138	1136	4	25.0
979	Guscio	1137	1139	365	364	4	25.0
980	Guscio	1138	1140	1139	1137	4	25.0
981	Guscio	386	387	1140	1138	4	25.0
982	Guscio	1139	1141	366	365	4	25.0
983	Guscio	1140	1142	1141	1139	4	25.0
984	Guscio	387	388	1142	1140	4	25.0

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

985	Guscio	1141	1143	367	366	4	25.0
986	Guscio	1142	1144	1143	1141	4	25.0
987	Guscio	388	389	1144	1142	4	25.0
988	Guscio	1143	1145	368	367	4	25.0
989	Guscio	1144	1146	1145	1143	4	25.0
990	Guscio	389	390	1146	1144	4	25.0
991	Guscio	1145	1147	369	368	4	25.0
992	Guscio	1146	1148	1147	1145	4	25.0
993	Guscio	390	391	1148	1146	4	25.0
994	Guscio	1147	1149	370	369	4	25.0
995	Guscio	1148	1150	1149	1147	4	25.0
996	Guscio	391	392	1150	1148	4	25.0
997	Guscio	1149	1151	371	370	4	25.0
998	Guscio	1150	1152	1151	1149	4	25.0
999	Guscio	392	393	1152	1150	4	25.0
1000	Guscio	1151	1153	372	371	4	25.0
1001	Guscio	1152	1154	1153	1151	4	25.0
1002	Guscio	393	394	1154	1152	4	25.0
1003	Guscio	1153	1155	373	372	4	25.0
1004	Guscio	1154	1156	1155	1153	4	25.0
1005	Guscio	394	395	1156	1154	4	25.0
1006	Guscio	1155	536	46	373	4	25.0
1007	Guscio	1156	535	536	1155	4	25.0
1008	Guscio	395	45	535	1156	4	25.0
1009	Guscio	518	1157	385	40	4	25.0
1010	Guscio	517	1158	1157	518	4	25.0
1011	Guscio	41	407	1158	517	4	25.0
1012	Guscio	1157	1159	386	385	4	25.0
1013	Guscio	1158	1160	1159	1157	4	25.0
1014	Guscio	407	408	1160	1158	4	25.0
1015	Guscio	1159	1161	387	386	4	25.0
1016	Guscio	1160	1162	1161	1159	4	25.0
1017	Guscio	408	409	1162	1160	4	25.0
1018	Guscio	1161	1163	388	387	4	25.0
1019	Guscio	1162	1164	1163	1161	4	25.0
1020	Guscio	409	410	1164	1162	4	25.0
1021	Guscio	1163	1165	389	388	4	25.0
1022	Guscio	1164	1166	1165	1163	4	25.0

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

1023	Guscio	410	411	1166	1164	4	25.0
1024	Guscio	1165	1167	390	389	4	25.0
1025	Guscio	1166	1168	1167	1165	4	25.0
1026	Guscio	411	412	1168	1166	4	25.0
1027	Guscio	1167	1169	391	390	4	25.0
1028	Guscio	1168	1170	1169	1167	4	25.0
1029	Guscio	412	413	1170	1168	4	25.0
1030	Guscio	1169	1171	392	391	4	25.0
1031	Guscio	1170	1172	1171	1169	4	25.0
1032	Guscio	413	414	1172	1170	4	25.0
1033	Guscio	1171	1173	393	392	4	25.0
1034	Guscio	1172	1174	1173	1171	4	25.0
1035	Guscio	414	415	1174	1172	4	25.0
1036	Guscio	1173	1175	394	393	4	25.0
1037	Guscio	1174	1176	1175	1173	4	25.0
1038	Guscio	415	416	1176	1174	4	25.0
1039	Guscio	1175	1177	395	394	4	25.0
1040	Guscio	1176	1178	1177	1175	4	25.0
1041	Guscio	416	417	1178	1176	4	25.0
1042	Guscio	1177	538	45	395	4	25.0
1043	Guscio	1178	537	538	1177	4	25.0
1044	Guscio	417	44	537	1178	4	25.0
1045	Guscio	520	1179	407	41	4	25.0
1046	Guscio	519	1180	1179	520	4	25.0
1047	Guscio	42	429	1180	519	4	25.0
1048	Guscio	1179	1181	408	407	4	25.0
1049	Guscio	1180	1182	1181	1179	4	25.0
1050	Guscio	429	430	1182	1180	4	25.0
1051	Guscio	1181	1183	409	408	4	25.0
1052	Guscio	1182	1184	1183	1181	4	25.0
1053	Guscio	430	431	1184	1182	4	25.0
1054	Guscio	1183	1185	410	409	4	25.0
1055	Guscio	1184	1186	1185	1183	4	25.0
1056	Guscio	431	432	1186	1184	4	25.0
1057	Guscio	1185	1187	411	410	4	25.0
1058	Guscio	1186	1188	1187	1185	4	25.0
1059	Guscio	432	433	1188	1186	4	25.0
1060	Guscio	1187	1189	412	411	4	25.0

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

1061	Guscio	1188	1190	1189	1187	4	25.0
1062	Guscio	433	434	1190	1188	4	25.0
1063	Guscio	1189	1191	413	412	4	25.0
1064	Guscio	1190	1192	1191	1189	4	25.0
1065	Guscio	434	435	1192	1190	4	25.0
1066	Guscio	1191	1193	414	413	4	25.0
1067	Guscio	1192	1194	1193	1191	4	25.0
1068	Guscio	435	436	1194	1192	4	25.0
1069	Guscio	1193	1195	415	414	4	25.0
1070	Guscio	1194	1196	1195	1193	4	25.0
1071	Guscio	436	437	1196	1194	4	25.0
1072	Guscio	1195	1197	416	415	4	25.0
1073	Guscio	1196	1198	1197	1195	4	25.0
1074	Guscio	437	438	1198	1196	4	25.0
1075	Guscio	1197	1199	417	416	4	25.0
1076	Guscio	1198	1200	1199	1197	4	25.0
1077	Guscio	438	439	1200	1198	4	25.0
1078	Guscio	1199	540	44	417	4	25.0
1079	Guscio	1200	539	540	1199	4	25.0
1080	Guscio	439	43	539	1200	4	25.0
1081	Setto	1278	1277	1271	1279	4	160.0
1082	Setto	1281	1280	1277	1278	4	160.0
1083	Setto	1283	1282	1280	1281	4	160.0
1084	Setto	1285	1284	1282	1283	4	160.0
1085	Setto	1287	1286	1284	1285	4	160.0
1086	Setto	1289	1288	1286	1287	4	160.0
1087	Setto	1291	1290	1288	1289	4	160.0
1088	Setto	1293	1292	1290	1291	4	160.0
1089	Setto	1295	1294	1292	1293	4	160.0
1090	Setto	2346	2343	1294	1295	4	160.0
1091	Setto	1297	1278	1279	1298	4	160.0
1092	Setto	1299	1281	1278	1297	4	160.0
1093	Setto	1300	1283	1281	1299	4	160.0
1094	Setto	1301	1285	1283	1300	4	160.0
1095	Setto	1302	1287	1285	1301	4	160.0
1096	Setto	1303	1289	1287	1302	4	160.0
1097	Setto	1304	1291	1289	1303	4	160.0
1098	Setto	1305	1293	1291	1304	4	160.0

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

1099	Setto	1306	1295	1293	1305	4	160.0
1100	Setto	2348	2346	1306		4	160.0
1101	Setto	1308	1297	1298	1272	4	160.0
1102	Setto	1309	1299	1297	1308	4	160.0
1103	Setto	1310	1300	1299	1309	4	160.0
1104	Setto	1311	1301	1300	1310	4	160.0
1105	Setto	1312	1302	1301	1311	4	160.0
1106	Setto	1313	1303	1302	1312	4	160.0
1107	Setto	1314	1304	1303	1313	4	160.0
1108	Setto	1315	1305	1304	1314	4	160.0
1109	Setto	1316	1306	1305	1315	4	160.0
1110	Setto	2355	2348	1306	1316	4	160.0
1111	Setto	1318	1317	1270	1319	4	160.0
1112	Setto	1321	1320	1317	1318	4	160.0
1113	Setto	1323	1322	1320	1321	4	160.0
1114	Setto	1325	1324	1322	1323	4	160.0
1115	Setto	1327	1326	1324	1325	4	160.0
1116	Setto	1329	1328	1326	1327	4	160.0
1117	Setto	1331	1330	1328	1329	4	160.0
1118	Setto	1333	1332	1330	1331	4	160.0
1119	Setto	1335	1334	1332	1333	4	160.0
1120	Setto	2364	2342	1334	1335	4	160.0
1121	Setto	1337	1318	1319	1338	4	160.0
1122	Setto	1339	1321	1318	1337	4	160.0
1123	Setto	1340	1323	1321	1339	4	160.0
1124	Setto	1341	1325	1323	1340	4	160.0
1125	Setto	1342	1327	1325	1341	4	160.0
1126	Setto	1343	1329	1327	1342	4	160.0
1127	Setto	1344	1331	1329	1343	4	160.0
1128	Setto	1345	1333	1331	1344	4	160.0
1129	Setto	1346	1335	1333	1345	4	160.0
1130	Setto	1377	2362	1366		4	160.0
1131	Setto	1277	1337	1338	1271	4	160.0
1132	Setto	1280	1339	1337	1277	4	160.0
1133	Setto	1282	1340	1339	1280	4	160.0
1134	Setto	1284	1341	1340	1282	4	160.0
1135	Setto	1286	1342	1341	1284	4	160.0
1136	Setto	1288	1343	1342	1286	4	160.0

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

1137	Setto	1290	1344	1343	1288	4	160.0
1138	Setto	1292	1345	1344	1290	4	160.0
1139	Setto	1294	1346	1345	1292	4	160.0
1140	Setto	2343	2345	1346	1294	4	160.0
1141	Setto	1349	1348	1269	1350	4	160.0
1142	Setto	1352	1351	1348	1349	4	160.0
1143	Setto	1354	1353	1351	1352	4	160.0
1144	Setto	1356	1355	1353	1354	4	160.0
1145	Setto	1358	1357	1355	1356	4	160.0
1146	Setto	1360	1359	1357	1358	4	160.0
1147	Setto	1362	1361	1359	1360	4	160.0
1148	Setto	1364	1363	1361	1362	4	160.0
1149	Setto	1366	1365	1363	1364	4	160.0
1150	Setto	2363	2361	1365	1366	4	160.0
1151	Setto	1368	1349	1350	1369	4	160.0
1152	Setto	1370	1352	1349	1368	4	160.0
1153	Setto	1371	1354	1352	1370	4	160.0
1154	Setto	1372	1356	1354	1371	4	160.0
1155	Setto	1373	1358	1356	1372	4	160.0
1156	Setto	1374	1360	1358	1373	4	160.0
1157	Setto	1375	1362	1360	1374	4	160.0
1158	Setto	1376	1364	1362	1375	4	160.0
1159	Setto	1377	1366	1364	1376	4	160.0
1160	Setto	2362	2363	1366		4	160.0
1161	Setto	1317	1368	1369	1270	4	160.0
1162	Setto	1320	1370	1368	1317	4	160.0
1163	Setto	1322	1371	1370	1320	4	160.0
1164	Setto	1324	1372	1371	1322	4	160.0
1165	Setto	1326	1373	1372	1324	4	160.0
1166	Setto	1328	1374	1373	1326	4	160.0
1167	Setto	1330	1375	1374	1328	4	160.0
1168	Setto	1332	1376	1375	1330	4	160.0
1169	Setto	1334	1377	1376	1332	4	160.0
1170	Setto	2342	2362	1377	1334	4	160.0
1171	Setto	1383	1308	1272	1384	4	160.0
1172	Setto	1385	1309	1308	1383	4	160.0
1173	Setto	1386	1310	1309	1385	4	160.0
1174	Setto	1387	1311	1310	1386	4	160.0

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

1175	Setto	1388	1312	1311	1387	4	160.0
1176	Setto	1389	1313	1312	1388	4	160.0
1177	Setto	1390	1314	1313	1389	4	160.0
1178	Setto	1391	1315	1314	1390	4	160.0
1179	Setto	1392	1316	1315	1391	4	160.0
1180	Setto	2354	2355	1316	1392	4	160.0
1181	Setto	1394	1383	1384	1395	4	160.0
1182	Setto	1396	1385	1383	1394	4	160.0
1183	Setto	1397	1386	1385	1396	4	160.0
1184	Setto	1398	1387	1386	1397	4	160.0
1185	Setto	1399	1388	1387	1398	4	160.0
1186	Setto	1400	1389	1388	1399	4	160.0
1187	Setto	1401	1390	1389	1400	4	160.0
1188	Setto	1402	1391	1390	1401	4	160.0
1189	Setto	1403	1392	1391	1402	4	160.0
1190	Setto	2353	2354	1392	1403	4	160.0
1191	Setto	1405	1394	1395	1380	4	160.0
1192	Setto	1406	1396	1394	1405	4	160.0
1193	Setto	1407	1397	1396	1406	4	160.0
1194	Setto	1408	1398	1397	1407	4	160.0
1195	Setto	1409	1399	1398	1408	4	160.0
1196	Setto	1410	1400	1399	1409	4	160.0
1197	Setto	1411	1401	1400	1410	4	160.0
1198	Setto	1412	1402	1401	1411	4	160.0
1199	Setto	1413	1403	1402	1412	4	160.0
1200	Setto	2352	2353	1403	1413	4	160.0
1201	Setto	1348	1414	1415	1269	4	160.0
1202	Setto	1351	1416	1414	1348	4	160.0
1203	Setto	1353	1417	1416	1351	4	160.0
1204	Setto	1355	1418	1417	1353	4	160.0
1205	Setto	1357	1419	1418	1355	4	160.0
1206	Setto	1359	1420	1419	1357	4	160.0
1207	Setto	1361	1421	1420	1359	4	160.0
1208	Setto	1363	1422	1421	1361	4	160.0
1209	Setto	1365	1423	1422	1363	4	160.0
1210	Setto	2361	2360	1423	1365	4	160.0
1211	Setto	1414	1425	1426	1415	4	160.0
1212	Setto	1416	1427	1425	1414	4	160.0

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

1213	Setto	1417	1428	1427	1416	4	160.0
1214	Setto	1418	1429	1428	1417	4	160.0
1215	Setto	1419	1430	1429	1418	4	160.0
1216	Setto	1420	1431	1430	1419	4	160.0
1217	Setto	1421	1432	1431	1420	4	160.0
1218	Setto	1422	1433	1432	1421	4	160.0
1219	Setto	1423	1434	1433	1422	4	160.0
1220	Setto	2360	2359	1434	1423	4	160.0
1221	Setto	1425	1436	1379	1426	4	160.0
1222	Setto	1427	1437	1436	1425	4	160.0
1223	Setto	1428	1438	1437	1427	4	160.0
1224	Setto	1429	1439	1438	1428	4	160.0
1225	Setto	1430	1440	1439	1429	4	160.0
1226	Setto	1431	1441	1440	1430	4	160.0
1227	Setto	1432	1442	1441	1431	4	160.0
1228	Setto	1433	1443	1442	1432	4	160.0
1229	Setto	1434	1444	1443	1433	4	160.0
1230	Setto	2359	2357	1444	1434	4	160.0
1231	Setto	1459	1458	1457	1460	4	180.0
1232	Setto	1462	1461	1458	1459	4	180.0
1233	Setto	1464	1463	1461	1462	4	180.0
1234	Setto	1466	1465	1463	1464	4	180.0
1235	Setto	1468	1467	1465	1466	4	180.0
1236	Setto	1470	1469	1467	1468	4	180.0
1237	Setto	1472	1471	1469	1470	4	180.0
1238	Setto	1474	1473	1471	1472	4	180.0
1239	Setto	1476	1475	1473	1474	4	180.0
1240	Setto	1477	1449	1475	1476	4	180.0
1241	Setto	1478	1459	1460	1479	4	180.0
1242	Setto	1480	1462	1459	1478	4	180.0
1243	Setto	1481	1464	1462	1480	4	180.0
1244	Setto	1482	1466	1464	1481	4	180.0
1245	Setto	1483	1468	1466	1482	4	180.0
1246	Setto	1484	1470	1468	1483	4	180.0
1247	Setto	1485	1472	1470	1484	4	180.0
1248	Setto	1486	1474	1472	1485	4	180.0
1249	Setto	1487	1476	1474	1486	4	180.0
1250	Setto	1488	1477	1476	1487	4	180.0

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

1251	Setto	1489	1478	1479	1453	4	180.0
1252	Setto	1490	1480	1478	1489	4	180.0
1253	Setto	1491	1481	1480	1490	4	180.0
1254	Setto	1492	1482	1481	1491	4	180.0
1255	Setto	1493	1483	1482	1492	4	180.0
1256	Setto	1494	1484	1483	1493	4	180.0
1257	Setto	1495	1485	1484	1494	4	180.0
1258	Setto	1496	1486	1485	1495	4	180.0
1259	Setto	1497	1487	1486	1496	4	180.0
1260	Setto	1446	1488	1487	1497	4	180.0
1261	Setto	1499	1498	1456	1500	4	180.0
1262	Setto	1502	1501	1498	1499	4	180.0
1263	Setto	1504	1503	1501	1502	4	180.0
1264	Setto	1506	1505	1503	1504	4	180.0
1265	Setto	1508	1507	1505	1506	4	180.0
1266	Setto	1510	1509	1507	1508	4	180.0
1267	Setto	1512	1511	1509	1510	4	180.0
1268	Setto	1514	1513	1511	1512	4	180.0
1269	Setto	1516	1515	1513	1514	4	180.0
1270	Setto	1722	2322	1765		4	180.0
1271	Setto	1518	1499	1500	1519	4	180.0
1272	Setto	1520	1502	1499	1518	4	180.0
1273	Setto	1521	1504	1502	1520	4	180.0
1274	Setto	1522	1506	1504	1521	4	180.0
1275	Setto	1523	1508	1506	1522	4	180.0
1276	Setto	1524	1510	1508	1523	4	180.0
1277	Setto	1525	1512	1510	1524	4	180.0
1278	Setto	1526	1514	1512	1525	4	180.0
1279	Setto	1527	1516	1514	1526	4	180.0
1280	Setto	1528	1517	1516	1527	4	180.0
1281	Setto	1458	1518	1519	1457	4	180.0
1282	Setto	1461	1520	1518	1458	4	180.0
1283	Setto	1463	1521	1520	1461	4	180.0
1284	Setto	1465	1522	1521	1463	4	180.0
1285	Setto	1467	1523	1522	1465	4	180.0
1286	Setto	1469	1524	1523	1467	4	180.0
1287	Setto	1471	1525	1524	1469	4	180.0
1288	Setto	1473	1526	1525	1471	4	180.0

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

1289	Setto	1475	1527	1526	1473	4	180.0
1290	Setto	1449	1528	1527	1475	4	180.0
1291	Setto	1530	1529	1455	1531	4	180.0
1292	Setto	1533	1532	1529	1530	4	180.0
1293	Setto	1535	1534	1532	1533	4	180.0
1294	Setto	1537	1536	1534	1535	4	180.0
1295	Setto	1539	1538	1536	1537	4	180.0
1296	Setto	1541	1540	1538	1539	4	180.0
1297	Setto	1543	1542	1540	1541	4	180.0
1298	Setto	1545	1544	1542	1543	4	180.0
1299	Setto	1547	1546	1544	1545	4	180.0
1300	Setto	1548	2497	1547		4	180.0
1301	Setto	1549	1530	1531	1550	4	180.0
1302	Setto	1551	1533	1530	1549	4	180.0
1303	Setto	1552	1535	1533	1551	4	180.0
1304	Setto	1553	1537	1535	1552	4	180.0
1305	Setto	1554	1539	1537	1553	4	180.0
1306	Setto	1555	1541	1539	1554	4	180.0
1307	Setto	1556	1543	1541	1555	4	180.0
1308	Setto	1557	1545	1543	1556	4	180.0
1309	Setto	1558	1547	1545	1557	4	180.0
1310	Setto	1559	1548	1547	1558	4	180.0
1311	Setto	1498	1549	1550	1456	4	180.0
1312	Setto	1501	1551	1549	1498	4	180.0
1313	Setto	1503	1552	1551	1501	4	180.0
1314	Setto	1505	1553	1552	1503	4	180.0
1315	Setto	1507	1554	1553	1505	4	180.0
1316	Setto	1509	1555	1554	1507	4	180.0
1317	Setto	1511	1556	1555	1509	4	180.0
1318	Setto	1513	1557	1556	1511	4	180.0
1319	Setto	1515	1558	1557	1513	4	180.0
1320	Setto	1451	2430	1515		4	180.0
1321	Setto	1561	1560	1454	1562	4	180.0
1322	Setto	1564	1563	1560	1561	4	180.0
1323	Setto	1566	1565	1563	1564	4	180.0
1324	Setto	1568	1567	1565	1566	4	180.0
1325	Setto	1570	1569	1567	1568	4	180.0
1326	Setto	1572	1571	1569	1570	4	180.0

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

1327	Setto	1574	1573	1571	1572	4	180.0
1328	Setto	1576	1575	1573	1574	4	180.0
1329	Setto	1578	1577	1575	1576	4	180.0
1330	Setto	1579	1448	1577	1578	4	180.0
1331	Setto	1580	1561	1562	1581	4	180.0
1332	Setto	1582	1564	1561	1580	4	180.0
1333	Setto	1583	1566	1564	1582	4	180.0
1334	Setto	1584	1568	1566	1583	4	180.0
1335	Setto	1585	1570	1568	1584	4	180.0
1336	Setto	1586	1572	1570	1585	4	180.0
1337	Setto	1587	1574	1572	1586	4	180.0
1338	Setto	1588	1576	1574	1587	4	180.0
1339	Setto	1589	1578	1576	1588	4	180.0
1340	Setto	1590	1579	1578	1589	4	180.0
1341	Setto	1529	1580	1581	1455	4	180.0
1342	Setto	1532	1582	1580	1529	4	180.0
1343	Setto	1534	1583	1582	1532	4	180.0
1344	Setto	1536	1584	1583	1534	4	180.0
1345	Setto	1538	1585	1584	1536	4	180.0
1346	Setto	1540	1586	1585	1538	4	180.0
1347	Setto	1542	1587	1586	1540	4	180.0
1348	Setto	1544	1588	1587	1542	4	180.0
1349	Setto	1546	1589	1588	1544	4	180.0
1350	Setto	2322	1766	1765		4	180.0
1351	Setto	1592	1591	1445	1593	4	180.0
1352	Setto	1595	1594	1591	1592	4	180.0
1353	Setto	1597	1596	1594	1595	4	180.0
1354	Setto	1599	1598	1596	1597	4	180.0
1355	Setto	1601	1600	1598	1599	4	180.0
1356	Setto	1603	1602	1600	1601	4	180.0
1357	Setto	1605	1604	1602	1603	4	180.0
1358	Setto	1607	1606	1604	1605	4	180.0
1359	Setto	1609	1608	1606	1607	4	180.0
1360	Setto	1610	1447	1608	1609	4	180.0
1361	Setto	1611	1592	1593	1612	4	180.0
1362	Setto	1613	1595	1592	1611	4	180.0
1363	Setto	1614	1597	1595	1613	4	180.0
1364	Setto	1615	1599	1597	1614	4	180.0

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

1365	Setto	1616	1601	1599	1615	4	180.0
1366	Setto	1617	1603	1601	1616	4	180.0
1367	Setto	1618	1605	1603	1617	4	180.0
1368	Setto	1619	1607	1605	1618	4	180.0
1369	Setto	1620	1609	1607	1619	4	180.0
1370	Setto	1621	1610	1609	1620	4	180.0
1371	Setto	1560	1611	1612	1454	4	180.0
1372	Setto	1563	1613	1611	1560	4	180.0
1373	Setto	1565	1614	1613	1563	4	180.0
1374	Setto	1567	1615	1614	1565	4	180.0
1375	Setto	1569	1616	1615	1567	4	180.0
1376	Setto	1571	1617	1616	1569	4	180.0
1377	Setto	1573	1618	1617	1571	4	180.0
1378	Setto	1575	1619	1618	1573	4	180.0
1379	Setto	1577	1620	1619	1575	4	180.0
1380	Setto	1448	1621	1620	1577	4	180.0
1381	Setto	1635	1634	1627	1636	4	180.0
1382	Setto	1638	1637	1634	1635	4	180.0
1383	Setto	1640	1639	1637	1638	4	180.0
1384	Setto	1642	1641	1639	1640	4	180.0
1385	Setto	1644	1643	1641	1642	4	180.0
1386	Setto	1646	1645	1643	1644	4	180.0
1387	Setto	1648	1647	1645	1646	4	180.0
1388	Setto	1650	1649	1647	1648	4	180.0
1389	Setto	1652	1651	1649	1650	4	180.0
1390	Setto	1653	1633	1651	1652	4	180.0
1391	Setto	1654	1635	1636	1655	4	180.0
1392	Setto	1656	1638	1635	1654	4	180.0
1393	Setto	1657	1640	1638	1656	4	180.0
1394	Setto	1658	1642	1640	1657	4	180.0
1395	Setto	1659	1644	1642	1658	4	180.0
1396	Setto	1660	1646	1644	1659	4	180.0
1397	Setto	1661	1648	1646	1660	4	180.0
1398	Setto	1662	1650	1648	1661	4	180.0
1399	Setto	1663	1652	1650	1662	4	180.0
1400	Setto	1664	1653	1652	1663	4	180.0
1401	Setto	1665	1654	1655	1626	4	180.0
1402	Setto	1666	1656	1654	1665	4	180.0

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

1403	Setto	1667	1657	1656	1666	4	180.0
1404	Setto	1668	1658	1657	1667	4	180.0
1405	Setto	1669	1659	1658	1668	4	180.0
1406	Setto	1670	1660	1659	1669	4	180.0
1407	Setto	1671	1661	1660	1670	4	180.0
1408	Setto	1672	1662	1661	1671	4	180.0
1409	Setto	1673	1663	1662	1672	4	180.0
1410	Setto	1632	1664	1663	1673	4	180.0
1411	Setto	1675	1674	1622	1676	4	180.0
1412	Setto	1678	1677	1674	1675	4	180.0
1413	Setto	1680	1679	1677	1678	4	180.0
1414	Setto	1682	1681	1679	1680	4	180.0
1415	Setto	1684	1683	1681	1682	4	180.0
1416	Setto	1686	1685	1683	1684	4	180.0
1417	Setto	1688	1687	1685	1686	4	180.0
1418	Setto	1690	1689	1687	1688	4	180.0
1419	Setto	1692	1691	1689	1690	4	180.0
1420	Guscio	2236	2303	2302	2083	4	150.0
1421	Setto	1694	1675	1676	1695	4	180.0
1422	Setto	1696	1678	1675	1694	4	180.0
1423	Setto	1697	1680	1678	1696	4	180.0
1424	Setto	1698	1682	1680	1697	4	180.0
1425	Setto	1699	1684	1682	1698	4	180.0
1426	Setto	1700	1686	1684	1699	4	180.0
1427	Setto	1701	1688	1686	1700	4	180.0
1428	Setto	1702	1690	1688	1701	4	180.0
1429	Setto	1703	1692	1690	1702	4	180.0
1430	Setto	1704	1693	1692	1703	4	180.0
1431	Setto	1634	1694	1695	1627	4	180.0
1432	Setto	1637	1696	1694	1634	4	180.0
1433	Setto	1639	1697	1696	1637	4	180.0
1434	Setto	1641	1698	1697	1639	4	180.0
1435	Setto	1643	1699	1698	1641	4	180.0
1436	Setto	1645	1700	1699	1643	4	180.0
1437	Setto	1647	1701	1700	1645	4	180.0
1438	Setto	1649	1702	1701	1647	4	180.0
1439	Setto	1651	1703	1702	1649	4	180.0
1440	Setto	1633	1704	1703	1651	4	180.0

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

1441	Setto	1706	1705	1623	1707	4	180.0
1442	Setto	1709	1708	1705	1706	4	180.0
1443	Setto	1711	1710	1708	1709	4	180.0
1444	Setto	1713	1712	1710	1711	4	180.0
1445	Setto	1715	1714	1712	1713	4	180.0
1446	Setto	1717	1716	1714	1715	4	180.0
1447	Setto	1719	1718	1716	1717	4	180.0
1448	Setto	1721	1720	1718	1719	4	180.0
1449	Setto	1723	1722	1720	1721	4	180.0
1450	Setto	1724	2385	1723		4	180.0
1451	Setto	1725	1706	1707	1726	4	180.0
1452	Setto	1727	1709	1706	1725	4	180.0
1453	Setto	1728	1711	1709	1727	4	180.0
1454	Setto	1729	1713	1711	1728	4	180.0
1455	Setto	1730	1715	1713	1729	4	180.0
1456	Setto	1731	1717	1715	1730	4	180.0
1457	Setto	1732	1719	1717	1731	4	180.0
1458	Setto	1733	1721	1719	1732	4	180.0
1459	Setto	1734	1723	1721	1733	4	180.0
1460	Setto	1735	1724	1723	1734	4	180.0
1461	Setto	1674	1725	1726	1622	4	180.0
1462	Setto	1677	1727	1725	1674	4	180.0
1463	Setto	1679	1728	1727	1677	4	180.0
1464	Setto	1681	1729	1728	1679	4	180.0
1465	Setto	1683	1730	1729	1681	4	180.0
1466	Setto	1685	1731	1730	1683	4	180.0
1467	Setto	1687	1732	1731	1685	4	180.0
1468	Setto	1689	1733	1732	1687	4	180.0
1469	Setto	1691	1734	1733	1689	4	180.0
1470	Setto	1628	2380	1691		4	180.0
1471	Setto	1737	1736	1624	1738	4	180.0
1472	Setto	1740	1739	1736	1737	4	180.0
1473	Setto	1742	1741	1739	1740	4	180.0
1474	Setto	1744	1743	1741	1742	4	180.0
1475	Setto	1746	1745	1743	1744	4	180.0
1476	Setto	1748	1747	1745	1746	4	180.0
1477	Setto	1750	1749	1747	1748	4	180.0
1478	Setto	1752	1751	1749	1750	4	180.0

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

1479	Setto	1754	1753	1751	1752	4	180.0
1480	Setto	1755	1630	1753	1754	4	180.0
1481	Setto	1756	1737	1738	1757	4	180.0
1482	Setto	1758	1740	1737	1756	4	180.0
1483	Setto	1759	1742	1740	1758	4	180.0
1484	Setto	1760	1744	1742	1759	4	180.0
1485	Setto	1761	1746	1744	1760	4	180.0
1486	Setto	1762	1748	1746	1761	4	180.0
1487	Setto	1763	1750	1748	1762	4	180.0
1488	Setto	1764	1752	1750	1763	4	180.0
1489	Setto	1765	1754	1752	1764	4	180.0
1490	Setto	1766	1755	1754	1765	4	180.0
1491	Setto	1705	1756	1757	1623	4	180.0
1492	Setto	1708	1758	1756	1705	4	180.0
1493	Setto	1710	1759	1758	1708	4	180.0
1494	Setto	1712	1760	1759	1710	4	180.0
1495	Setto	1714	1761	1760	1712	4	180.0
1496	Setto	1716	1762	1761	1714	4	180.0
1497	Setto	1718	1763	1762	1716	4	180.0
1498	Setto	1720	1764	1763	1718	4	180.0
1499	Setto	1722	1765	1764	1720	4	180.0
1500	Guscio	2258	2304	2303	2236	4	150.0
1501	Setto	1768	1767	1625	1769	4	180.0
1502	Setto	1771	1770	1767	1768	4	180.0
1503	Setto	1773	1772	1770	1771	4	180.0
1504	Setto	1775	1774	1772	1773	4	180.0
1505	Setto	1777	1776	1774	1775	4	180.0
1506	Setto	1779	1778	1776	1777	4	180.0
1507	Setto	1781	1780	1778	1779	4	180.0
1508	Setto	1783	1782	1780	1781	4	180.0
1509	Setto	1785	1784	1782	1783	4	180.0
1510	Setto	1786	2232	1784	1785	4	180.0
1511	Setto	1787	1768	1769	1788	4	180.0
1512	Setto	1789	1771	1768	1787	4	180.0
1513	Setto	1790	1773	1771	1789	4	180.0
1514	Setto	1791	1775	1773	1790	4	180.0
1515	Setto	1792	1777	1775	1791	4	180.0
1516	Setto	1793	1779	1777	1792	4	180.0

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

1517	Setto	1794	1781	1779	1793	4	180.0
1518	Setto	1795	1783	1781	1794	4	180.0
1519	Setto	1796	1785	1783	1795	4	180.0
1520	Setto	1797	1786	1785	1796	4	180.0
1521	Setto	1736	1787	1788	1624	4	180.0
1522	Setto	1739	1789	1787	1736	4	180.0
1523	Setto	1741	1790	1789	1739	4	180.0
1524	Setto	1743	1791	1790	1741	4	180.0
1525	Setto	1745	1792	1791	1743	4	180.0
1526	Setto	1747	1793	1792	1745	4	180.0
1527	Setto	1749	1794	1793	1747	4	180.0
1528	Setto	1751	1795	1794	1749	4	180.0
1529	Setto	1753	1796	1795	1751	4	180.0
1530	Setto	1630	1797	1796	1753	4	180.0
1531	Setto	1807	1806	1252	1808	4	160.0
1532	Setto	1810	1809	1806	1807	4	160.0
1533	Setto	1812	1811	1809	1810	4	160.0
1534	Setto	1814	1813	1811	1812	4	160.0
1535	Setto	1816	1815	1813	1814	4	160.0
1536	Setto	1818	1817	1815	1816	4	160.0
1537	Setto	1820	1819	1817	1818	4	160.0
1538	Setto	1822	1821	1819	1820	4	160.0
1539	Setto	1824	1823	1821	1822	4	160.0
1540	Setto	1825	1805	1823	1824	4	160.0
1541	Setto	1826	1807	1808	1827	4	160.0
1542	Setto	1828	1810	1807	1826	4	160.0
1543	Setto	1829	1812	1810	1828	4	160.0
1544	Setto	1830	1814	1812	1829	4	160.0
1545	Setto	1831	1816	1814	1830	4	160.0
1546	Setto	1832	1818	1816	1831	4	160.0
1547	Setto	1833	1820	1818	1832	4	160.0
1548	Setto	1834	1822	1820	1833	4	160.0
1549	Setto	1835	1824	1822	1834	4	160.0
1550	Setto	1836	1825	1824	1835	4	160.0
1551	Setto	1837	1826	1827	1799	4	160.0
1552	Setto	1838	1828	1826	1837	4	160.0
1553	Setto	1839	1829	1828	1838	4	160.0
1554	Setto	1840	1830	1829	1839	4	160.0

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

1555	Setto	1841	1831	1830	1840	4	160.0
1556	Setto	1842	1832	1831	1841	4	160.0
1557	Setto	1843	1833	1832	1842	4	160.0
1558	Setto	1844	1834	1833	1843	4	160.0
1559	Setto	1845	1835	1834	1844	4	160.0
1560	Setto	1801	1836	1835	1845	4	160.0
1561	Setto	1847	1846	1251	1848	4	160.0
1562	Setto	1850	1849	1846	1847	4	160.0
1563	Setto	1852	1851	1849	1850	4	160.0
1564	Setto	1854	1853	1851	1852	4	160.0
1565	Setto	1856	1855	1853	1854	4	160.0
1566	Setto	1858	1857	1855	1856	4	160.0
1567	Setto	1860	1859	1857	1858	4	160.0
1568	Setto	1862	1861	1859	1860	4	160.0
1569	Setto	1864	1863	1861	1862	4	160.0
1570	Setto	1865	1804	1863	1864	4	160.0
1571	Setto	1866	1847	1848	1867	4	160.0
1572	Setto	1868	1850	1847	1866	4	160.0
1573	Setto	1869	1852	1850	1868	4	160.0
1574	Setto	1870	1854	1852	1869	4	160.0
1575	Setto	1871	1856	1854	1870	4	160.0
1576	Setto	1872	1858	1856	1871	4	160.0
1577	Setto	1873	1860	1858	1872	4	160.0
1578	Setto	1874	1862	1860	1873	4	160.0
1579	Setto	1875	1864	1862	1874	4	160.0
1580	Setto	1876	1865	1864	1875	4	160.0
1581	Setto	1806	1866	1867	1252	4	160.0
1582	Setto	1809	1868	1866	1806	4	160.0
1583	Setto	1811	1869	1868	1809	4	160.0
1584	Setto	1813	1870	1869	1811	4	160.0
1585	Setto	1815	1871	1870	1813	4	160.0
1586	Setto	1817	1872	1871	1815	4	160.0
1587	Setto	1819	1873	1872	1817	4	160.0
1588	Setto	1821	1874	1873	1819	4	160.0
1589	Setto	1823	1875	1874	1821	4	160.0
1590	Setto	1805	1876	1875	1823	4	160.0
1591	Setto	1878	1877	1250	1879	4	160.0
1592	Setto	1881	1880	1877	1878	4	160.0

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

1593	Setto	1883	1882	1880	1881	4	160.0
1594	Setto	1885	1884	1882	1883	4	160.0
1595	Setto	1887	1886	1884	1885	4	160.0
1596	Setto	1889	1888	1886	1887	4	160.0
1597	Setto	1891	1890	1888	1889	4	160.0
1598	Setto	1893	1892	1890	1891	4	160.0
1599	Setto	1895	1894	1892	1893	4	160.0
1600	Setto	1896	1803	1894	1895	4	160.0
1601	Setto	1897	1878	1879	1898	4	160.0
1602	Setto	1899	1881	1878	1897	4	160.0
1603	Setto	1900	1883	1881	1899	4	160.0
1604	Setto	1901	1885	1883	1900	4	160.0
1605	Setto	1902	1887	1885	1901	4	160.0
1606	Setto	1903	1889	1887	1902	4	160.0
1607	Setto	1904	1891	1889	1903	4	160.0
1608	Setto	1905	1893	1891	1904	4	160.0
1609	Setto	1906	1895	1893	1905	4	160.0
1610	Setto	1907	1896	1895	1906	4	160.0
1611	Setto	1846	1897	1898	1251	4	160.0
1612	Setto	1849	1899	1897	1846	4	160.0
1613	Setto	1851	1900	1899	1849	4	160.0
1614	Setto	1853	1901	1900	1851	4	160.0
1615	Setto	1855	1902	1901	1853	4	160.0
1616	Setto	1857	1903	1902	1855	4	160.0
1617	Setto	1859	1904	1903	1857	4	160.0
1618	Setto	1861	1905	1904	1859	4	160.0
1619	Setto	1863	1906	1905	1861	4	160.0
1620	Setto	1804	1907	1906	1863	4	160.0
1621	Setto	1909	1908	1249	1910	4	160.0
1622	Setto	1912	1911	1908	1909	4	160.0
1623	Setto	1914	1913	1911	1912	4	160.0
1624	Setto	1916	1915	1913	1914	4	160.0
1625	Setto	1918	1917	1915	1916	4	160.0
1626	Setto	1920	1919	1917	1918	4	160.0
1627	Setto	1922	1921	1919	1920	4	160.0
1628	Setto	1924	1923	1921	1922	4	160.0
1629	Setto	1926	1925	1923	1924	4	160.0
1630	Setto	1927	1802	1925	1926	4	160.0

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

1631	Setto	1928	1909	1910	1929	4	160.0
1632	Setto	1930	1912	1909	1928	4	160.0
1633	Setto	1931	1914	1912	1930	4	160.0
1634	Setto	1932	1916	1914	1931	4	160.0
1635	Setto	1933	1918	1916	1932	4	160.0
1636	Setto	1934	1920	1918	1933	4	160.0
1637	Setto	1935	1922	1920	1934	4	160.0
1638	Setto	1936	1924	1922	1935	4	160.0
1639	Setto	1937	1926	1924	1936	4	160.0
1640	Setto	1938	1927	1926	1937	4	160.0
1641	Setto	1877	1928	1929	1250	4	160.0
1642	Setto	1880	1930	1928	1877	4	160.0
1643	Setto	1882	1931	1930	1880	4	160.0
1644	Setto	1884	1932	1931	1882	4	160.0
1645	Setto	1886	1933	1932	1884	4	160.0
1646	Setto	1888	1934	1933	1886	4	160.0
1647	Setto	1890	1935	1934	1888	4	160.0
1648	Setto	1892	1936	1935	1890	4	160.0
1649	Setto	1894	1937	1936	1892	4	160.0
1650	Setto	1803	1938	1937	1894	4	160.0
1651	Setto	1940	1939	1798	1941	4	160.0
1652	Setto	1943	1942	1939	1940	4	160.0
1653	Setto	1945	1944	1942	1943	4	160.0
1654	Setto	1947	1946	1944	1945	4	160.0
1655	Setto	1949	1948	1946	1947	4	160.0
1656	Setto	1951	1950	1948	1949	4	160.0
1657	Setto	1953	1952	1950	1951	4	160.0
1658	Setto	1955	1954	1952	1953	4	160.0
1659	Setto	1957	1956	1954	1955	4	160.0
1660	Setto	1958	1800	1956	1957	4	160.0
1661	Setto	1959	1940	1941	1960	4	160.0
1662	Setto	1961	1943	1940	1959	4	160.0
1663	Setto	1962	1945	1943	1961	4	160.0
1664	Setto	1963	1947	1945	1962	4	160.0
1665	Setto	1964	1949	1947	1963	4	160.0
1666	Setto	1965	1951	1949	1964	4	160.0
1667	Setto	1966	1953	1951	1965	4	160.0
1668	Setto	1967	1955	1953	1966	4	160.0

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

1669	Setto	1968	1957	1955	1967	4	160.0
1670	Setto	1969	1958	1957	1968	4	160.0
1671	Setto	1908	1959	1960	1249	4	160.0
1672	Setto	1911	1961	1959	1908	4	160.0
1673	Setto	1913	1962	1961	1911	4	160.0
1674	Setto	1915	1963	1962	1913	4	160.0
1675	Setto	1917	1964	1963	1915	4	160.0
1676	Setto	1919	1965	1964	1917	4	160.0
1677	Setto	1921	1966	1965	1919	4	160.0
1678	Setto	1923	1967	1966	1921	4	160.0
1679	Setto	1925	1968	1967	1923	4	160.0
1680	Setto	1802	1969	1968	1925	4	160.0
1681	Guscio	1987	1994	1255	1979	4	100.0
1682	Guscio	1986	1995	1994	1987	4	100.0
1683	Guscio	1978	1256	1995	1986	4	100.0
1684	Guscio	1989	1996	1254	1980	4	100.0
1685	Guscio	1988	1997	1996	1989	4	100.0
1686	Guscio	1979	1255	1997	1988	4	100.0
1687	Guscio	1991	1998	1253	1981	4	100.0
1688	Guscio	1990	1999	1998	1991	4	100.0
1689	Guscio	1980	1254	1999	1990	4	100.0
1690	Guscio	2002	2001	1256	1978	4	100.0
1691	Guscio	2001	1636	1627	1256	4	100.0
1692	Guscio	2004	2003	2001	2002	4	100.0
1693	Guscio	2003	1655	1636	2001	4	100.0
1694	Guscio	1970	2005	2003	2004	4	100.0
1695	Guscio	2005	1626	1655	2003	4	100.0
1696	Guscio	1993	2007	2006	1972	4	100.0
1697	Guscio	2007	1769	1625	2006	4	100.0
1698	Guscio	1992	2008	2007	1993	4	100.0
1699	Guscio	2008	1788	1769	2007	4	100.0
1700	Guscio	1981	1253	2008	1992	4	100.0
1701	Guscio	1253	1624	1788	2008	4	100.0
1702	Guscio	1994	1676	1622	1255	4	100.0
1703	Guscio	1995	1695	1676	1994	4	100.0
1704	Guscio	1256	1627	1695	1995	4	100.0
1705	Guscio	1996	1707	1623	1254	4	100.0
1706	Guscio	1997	1726	1707	1996	4	100.0

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

1707	Guscio	1255	1622	1726	1997	4	100.0
1708	Guscio	1998	1738	1624	1253	4	100.0
1709	Guscio	1999	1757	1738	1998	4	100.0
1710	Guscio	1254	1623	1757	1999	4	100.0
1711	Guscio	1636	2011	1257	1627	4	100.0
1712	Guscio	2011	2012	1985	1257	4	100.0
1713	Guscio	1655	2013	2011	1636	4	100.0
1714	Guscio	2013	2014	2012	2011	4	100.0
1715	Guscio	1626	2015	2013	1655	4	100.0
1716	Guscio	2015	1971	2014	2013	4	100.0
1717	Guscio	1676	2016	1258	1622	4	100.0
1718	Guscio	1695	2017	2016	1676	4	100.0
1719	Guscio	1627	1257	2017	1695	4	100.0
1720	Guscio	1707	2018	1259	1623	4	100.0
1721	Guscio	1726	2019	2018	1707	4	100.0
1722	Guscio	1622	1258	2019	1726	4	100.0
1723	Guscio	1738	2020	1260	1624	4	100.0
1724	Guscio	1757	2021	2020	1738	4	100.0
1725	Guscio	1623	1259	2021	1757	4	100.0
1726	Guscio	2016	2022	1984	1258	4	100.0
1727	Guscio	2017	2023	2022	2016	4	100.0
1728	Guscio	1257	1985	2023	2017	4	100.0
1729	Guscio	2018	2024	1983	1259	4	100.0
1730	Guscio	2019	2025	2024	2018	4	100.0
1731	Guscio	1258	1984	2025	2019	4	100.0
1732	Guscio	2020	2026	1982	1260	4	100.0
1733	Guscio	2021	2027	2026	2020	4	100.0
1734	Guscio	1259	1983	2027	2021	4	100.0
1735	Guscio	1769	1452	2028	1625	4	100.0
1736	Guscio	1452	2000	1973	2028	4	100.0
1737	Guscio	1788	2009	1452	1769	4	100.0
1738	Guscio	2009	2010	2000	1452	4	100.0
1739	Guscio	1624	1260	2009	1788	4	100.0
1740	Guscio	1260	1982	2010	2009	4	100.0
1741	Guscio	2039	2038	1261	2029	4	100.0
1742	Guscio	2038	1460	1457	1261	4	100.0
1743	Guscio	2041	2040	2038	2039	4	100.0
1744	Guscio	2040	1479	1460	2038	4	100.0

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

1745	Guscio	1976	2042	2040	2041	4	100.0
1746	Guscio	2042	1453	1479	2040	4	100.0
1747	Guscio	1460	2044	1268	1457	4	100.0
1748	Guscio	2044	2045	2036	1268	4	100.0
1749	Guscio	1479	2046	2044	1460	4	100.0
1750	Guscio	2046	2047	2045	2044	4	100.0
1751	Guscio	1453	2048	2046	1479	4	100.0
1752	Guscio	2048	1977	2047	2046	4	100.0
1753	Guscio	2051	2050	1262	2030	4	100.0
1754	Guscio	2050	1500	1456	1262	4	100.0
1755	Guscio	2053	2052	2050	2051	4	100.0
1756	Guscio	2052	1519	1500	2050	4	100.0
1757	Guscio	2029	1261	2052	2053	4	100.0
1758	Guscio	1261	1457	1519	2052	4	100.0
1759	Guscio	2057	2056	1263	2031	4	100.0
1760	Guscio	2056	1531	1455	1263	4	100.0
1761	Guscio	2059	2058	2056	2057	4	100.0
1762	Guscio	2058	1550	1531	2056	4	100.0
1763	Guscio	2030	1262	2058	2059	4	100.0
1764	Guscio	1262	1456	1550	2058	4	100.0
1765	Guscio	2062	2061	1264	2032	4	100.0
1766	Guscio	2061	1562	1454	1264	4	100.0
1767	Guscio	2064	2063	2061	2062	4	100.0
1768	Guscio	2063	1581	1562	2061	4	100.0
1769	Guscio	2031	1263	2063	2064	4	100.0
1770	Guscio	1263	1455	1581	2063	4	100.0
1771	Guscio	2067	2066	2065	1974	4	100.0
1772	Guscio	2066	1593	1445	2065	4	100.0
1773	Guscio	2069	2068	2066	2067	4	100.0
1774	Guscio	2068	1612	1593	2066	4	100.0
1775	Guscio	2032	1264	2068	2069	4	100.0
1776	Guscio	1264	1454	1612	2068	4	100.0
1777	Guscio	1593	2071	2070	1445	4	100.0
1778	Guscio	2071	2072	1975	2070	4	100.0
1779	Guscio	1612	2073	2071	1593	4	100.0
1780	Guscio	2073	2074	2072	2071	4	100.0
1781	Guscio	1454	1265	2073	1612	4	100.0
1782	Guscio	1265	2033	2074	2073	4	100.0

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

1783	Guscio	1562	2076	1265	1454	4	100.0
1784	Guscio	2076	2077	2033	1265	4	100.0
1785	Guscio	1581	2078	2076	1562	4	100.0
1786	Guscio	2078	2079	2077	2076	4	100.0
1787	Guscio	1455	1266	2078	1581	4	100.0
1788	Guscio	1266	2034	2079	2078	4	100.0
1789	Guscio	1531	2037	1266	1455	4	100.0
1790	Guscio	2037	2043	2034	1266	4	100.0
1791	Guscio	1550	2049	2037	1531	4	100.0
1792	Guscio	2049	2054	2043	2037	4	100.0
1793	Guscio	1456	1267	2049	1550	4	100.0
1794	Guscio	1267	2035	2054	2049	4	100.0
1795	Guscio	1500	2060	1267	1456	4	100.0
1796	Guscio	2060	2075	2035	1267	4	100.0
1797	Guscio	1519	2080	2060	1500	4	100.0
1798	Guscio	2080	2055	2075	2060	4	100.0
1799	Guscio	1457	1268	2080	1519	4	100.0
1800	Guscio	1268	2036	2055	2080	4	100.0
1801	Guscio	2261	2232	2305	2262	4	150.0
1802	Guscio	2263	1786	2232	2261	4	150.0
1803	Guscio	2264	1797	1786	2263	4	150.0
1804	Guscio	2265	1630	1797	2264	4	150.0
1805	Guscio	2266	1755	1630	2265	4	150.0
1806	Guscio	2267	1766	1755	2266	4	150.0
1807	Guscio	2268	2322	1766	2267	4	150.0
1808	Guscio	2269	1629	2322	2268	4	150.0
1809	Guscio	2383	2385	1629	2269	4	150.0
1810	Guscio	2271	1735	1724	2270	4	150.0
1811	Guscio	2272	1693	2327	2273	4	150.0
1812	Guscio	2273	2327	1628	2277	4	150.0
1813	Guscio	2378	2380	1735	2271	4	150.0
1814	Guscio	2280	1704	1693	2272	4	150.0
1815	Guscio	2299	1633	1704	2280	4	150.0
1816	Guscio	2301	1653	1633	2299	4	150.0
1817	Guscio	2302	1664	1653	2301	4	150.0
1818	Guscio	2303	1632	1664	2302	4	150.0
1819	Guscio	2304	2306	1632	2303	4	150.0
1820	Guscio	2232	2307	2308	2305	4	150.0

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

1821	Guscio	1786	2309	2307	2232	4	150.0
1822	Guscio	1797	2310	2309	1786	4	150.0
1823	Guscio	1630	2311	2310	1797	4	150.0
1824	Guscio	1755	2312	2311	1630	4	150.0
1825	Guscio	1766	2313	2312	1755	4	150.0
1826	Guscio	2322	2314	2313	1766	4	150.0
1827	Guscio	1629	2315	2314	2322	4	150.0
1828	Guscio	2385	2382	2315	1629	4	150.0
1829	Guscio	2164	2220	2218	2162	4	150.0
1830	Guscio	2165	2221	2220	2164	4	150.0
1831	Guscio	2166	2222	2223	2167	4	150.0
1832	Guscio	2167	2223	2224	2168	4	150.0
1833	Guscio	2168	2224	2225	2169	4	150.0
1834	Guscio	2169	2225	2226	2170	4	150.0
1835	Guscio	2170	2226	2221	2165	4	150.0
1836	Guscio	2163	2219	2216	2160	4	150.0
1837	Guscio	2189	2392	2095	2190	4	150.0
1838	Guscio	2191	2394	2392	2189	4	150.0
1839	Guscio	2192	2396	2394	2191	4	150.0
1840	Guscio	2193	2400	2396	2192	4	150.0
1841	Guscio	2194	1275	2414	2195	4	150.0
1842	Guscio	2195	2414	2400	2193	4	150.0
1843	Guscio	2196	2103	1273	2197	4	150.0
1844	Guscio	2197	1273	1275	2194	4	150.0
1845	Guscio	2198	1336	1296	2199	4	150.0
1846	Guscio	2200	1367	1336	2198	4	150.0
1847	Guscio	1938	2194	2195	1927	4	150.0
1848	Guscio	2202	2096	1381	2203	4	150.0
1849	Guscio	2203	1381	1393	2204	4	150.0
1850	Guscio	2204	1393	1424	2205	4	150.0
1851	Guscio	2205	1424	2089	2206	4	150.0
1852	Guscio	2206	2089	2091	2201	4	150.0
1853	Guscio	2199	1296	2103	2196	4	150.0
1854	Guscio	2393	2153	2154	2094	4	150.0
1855	Guscio	2395	2155	2153	2393	4	150.0
1856	Guscio	2397	2156	2155	2395	4	150.0
1857	Guscio	2401	2157	2156	2397	4	150.0
1858	Guscio	1276	2158	2159	2399	4	150.0

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

1859	Guscio	2399	2159	2157	2401	4	150.0
1860	Guscio	2104	2160	2161	1274	4	150.0
1861	Guscio	1274	2161	2158	1276	4	150.0
1862	Guscio	1347	2162	2163	1307	4	150.0
1863	Guscio	1378	2164	2162	1347	4	150.0
1864	Guscio	2092	2165	2164	1378	4	150.0
1865	Guscio	2093	2166	2167	1382	4	150.0
1866	Guscio	1382	2167	2168	1404	4	150.0
1867	Guscio	1404	2168	2169	1435	4	150.0
1868	Guscio	1435	2169	2170	2090	4	150.0
1869	Guscio	2090	2170	2165	2092	4	150.0
1870	Guscio	1307	2163	2160	2104	4	150.0
1871	Guscio	2209	2171	2172	2210	4	150.0
1872	Guscio	2211	2173	2171	2209	4	150.0
1873	Guscio	2212	2174	2173	2211	4	150.0
1874	Guscio	2213	2175	2174	2212	4	150.0
1875	Guscio	2214	2176	2177	2215	4	150.0
1876	Guscio	2215	2177	2175	2213	4	150.0
1877	Guscio	2216	2178	2179	2217	4	150.0
1878	Guscio	2217	2179	2176	2214	4	150.0
1879	Guscio	2218	2180	2181	2219	4	150.0
1880	Guscio	2220	2182	2180	2218	4	150.0
1881	Guscio	2221	2183	2182	2220	4	150.0
1882	Guscio	2222	2184	2185	2223	4	150.0
1883	Guscio	2223	2185	2186	2224	4	150.0
1884	Guscio	2224	2186	2187	2225	4	150.0
1885	Guscio	2225	2187	2188	2226	4	150.0
1886	Guscio	2226	2188	2183	2221	4	150.0
1887	Guscio	2219	2181	2178	2216	4	150.0
1888	Guscio	1800	2189	2190	2207	4	150.0
1889	Guscio	1958	2191	2189	1800	4	150.0
1890	Guscio	1969	2192	2191	1958	4	150.0
1891	Guscio	1802	2193	2192	1969	4	150.0
1892	Guscio	1907	2199	2196	1896	4	150.0
1893	Guscio	1927	2195	2193	1802	4	150.0
1894	Guscio	1896	2196	2197	1803	4	150.0
1895	Guscio	1803	2197	2194	1938	4	150.0
1896	Guscio	1804	2198	2199	1907	4	150.0

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

1897	Guscio	1865	2200	2198	1804	4	150.0
1898	Guscio	2201	2091	1367	2200	4	150.0
1899	Guscio	2208	2202	2203	1801	4	150.0
1900	Guscio	1801	2203	2204	1836	4	150.0
1901	Guscio	1836	2204	2205	1825	4	150.0
1902	Guscio	1825	2205	2206	1805	4	150.0
1903	Guscio	1805	2206	2201	1876	4	150.0
1904	Guscio	1876	2201	2200	1865	4	150.0
1905	Guscio	2171	1800	2207	2172	4	150.0
1906	Guscio	2173	1958	1800	2171	4	150.0
1907	Guscio	2174	1969	1958	2173	4	150.0
1908	Guscio	2175	1802	1969	2174	4	150.0
1909	Guscio	2176	1938	1927	2177	4	150.0
1910	Guscio	2177	1927	1802	2175	4	150.0
1911	Guscio	2178	1896	1803	2179	4	150.0
1912	Guscio	2179	1803	1938	2176	4	150.0
1913	Guscio	2180	1804	1907	2181	4	150.0
1914	Guscio	2182	1865	1804	2180	4	150.0
1915	Guscio	2183	1876	1865	2182	4	150.0
1916	Guscio	2184	2208	1801	2185	4	150.0
1917	Guscio	2185	1801	1836	2186	4	150.0
1918	Guscio	2186	1836	1825	2187	4	150.0
1919	Guscio	2187	1825	1805	2188	4	150.0
1920	Guscio	2188	1805	1876	2183	4	150.0
1921	Guscio	2181	1907	1896	2178	4	150.0
1922	Guscio	2153	2209	2210	2154	4	150.0
1923	Guscio	2155	2211	2209	2153	4	150.0
1924	Guscio	2156	2212	2211	2155	4	150.0
1925	Guscio	2157	2213	2212	2156	4	150.0
1926	Guscio	2158	2214	2215	2159	4	150.0
1927	Guscio	2159	2215	2213	2157	4	150.0
1928	Guscio	2160	2216	2217	2161	4	150.0
1929	Guscio	2161	2217	2214	2158	4	150.0
1930	Guscio	2162	2218	2219	2163	4	150.0
1931	Setto	1693	2327	1692		4	180.0
1932	Setto	1692	2327	1691		4	180.0
1933	Setto	2327	1628	1691		4	180.0
1934	Setto	1629	2322	1722		4	180.0

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

1935	Setto	1517	2085	1516		4	180.0
1936	Setto	1516	2085	1515		4	180.0
1937	Setto	2085	1451	1515		4	180.0
1938	Setto	1450	2413	1546		4	180.0
1939	Setto	1546	2413	1589		4	180.0
1940	Setto	2413	1590	1589		4	180.0
1941	Guscio	2245	2105	2406	2334	4	150.0
1942	Guscio	2335	2106	2105	2245	4	150.0
1943	Guscio	2336	2341	2403	2337	4	150.0
1944	Guscio	2337	2403	2102	2246	4	150.0
1945	Guscio	2246	2102	2101	2338	4	150.0
1946	Guscio	2338	2101	2407	2339	4	150.0
1947	Guscio	2339	2407	2106	2335	4	150.0
1948	Guscio	2244	2108	2107	2300	4	150.0
1949	Guscio	2230	2287	2290	2231	4	150.0
1950	Guscio	2237	2291	2287	2230	4	150.0
1951	Guscio	2316	2292	2291	2237	4	150.0
1952	Guscio	2347	2294	2292	2316	4	150.0
1953	Guscio	2238	2086	2297	2349	4	150.0
1954	Guscio	2349	2297	2294	2347	4	150.0
1955	Guscio	2128	2127	2333	1631	4	150.0
1956	Guscio	1631	2333	2086	2238	4	150.0
1957	Guscio	2118	2117	2398	2239	4	150.0
1958	Guscio	1735	2366	2365	1724	4	150.0
1959	Guscio	1693	2367	2370	2327	4	150.0
1960	Guscio	2327	2370	2371	1628	4	150.0
1961	Guscio	2380	2387	2366	1735	4	150.0
1962	Guscio	1704	2372	2367	1693	4	150.0
1963	Guscio	1633	2373	2372	1704	4	150.0
1964	Guscio	1653	2374	2373	1633	4	150.0
1965	Guscio	1664	2375	2374	1653	4	150.0
1966	Guscio	1632	2376	2375	1664	4	150.0
1967	Guscio	2306	2377	2376	1632	4	150.0
1968	Guscio	2371	2233	2386	2387	4	150.0
1969	Guscio	2259	2277	2378	2379	4	150.0
1970	Guscio	2277	1628	2380	2378	4	150.0
1971	Guscio	1628	2371	2387	2380	4	150.0
1972	Guscio	2365	2320	2381	2382	4	150.0

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

1973	Guscio	2248	2270	2383	2384	4	150.0
1974	Guscio	2270	1724	2385	2383	4	150.0
1975	Guscio	2342	2332	2243	2362	4	150.0
1976	Guscio	2343	2334	2244	2345	4	150.0
1977	Guscio	2346	2245	2334	2343	4	150.0
1978	Guscio	2348	2335	2245	2346	4	150.0
1979	Guscio	2351	2336	2337	2352	4	150.0
1980	Guscio	2352	2337	2246	2353	4	150.0
1981	Guscio	2353	2246	2338	2354	4	150.0
1982	Guscio	2354	2338	2339	2355	4	150.0
1983	Guscio	2355	2339	2335	2348	4	150.0
1984	Guscio	2345	2244	2300	2364	4	150.0
1985	Guscio	2402	2129	2131	2340	4	150.0
1986	Guscio	2111	2408	2129	2402	4	150.0
1987	Guscio	2112	2133	2408	2111	4	150.0
1988	Guscio	2404	2135	2133	2112	4	150.0
1989	Guscio	2108	2144	2410	2107	4	150.0
1990	Guscio	2109	2409	2135	2404	4	150.0
1991	Guscio	2107	2410	2140	2405	4	150.0
1992	Guscio	2405	2140	2137	2110	4	150.0
1993	Guscio	2287	2357	2358	2290	4	150.0
1994	Guscio	2406	2141	2144	2108	4	150.0
1995	Guscio	2105	2411	2141	2406	4	150.0
1996	Guscio	2228	2227	2415	2411	4	150.0
1997	Guscio	2341	2145	2147	2403	4	150.0
1998	Guscio	2403	2147	2412	2102	4	150.0
1999	Guscio	2102	2412	2150	2101	4	150.0
2000	Guscio	2101	2150	2152	2407	4	150.0
2001	Guscio	2407	2152	2228	2106	4	150.0
2002	Guscio	2106	2228	2411	2105	4	150.0
2003	Guscio	2288	2402	2340	2289	4	150.0
2004	Guscio	2242	2111	2402	2288	4	150.0
2005	Guscio	2293	2112	2111	2242	4	150.0
2006	Guscio	2295	2404	2112	2293	4	150.0
2007	Guscio	2291	2359	2357	2287	4	150.0
2008	Guscio	2243	2110	2109	2296	4	150.0
2009	Guscio	1724	2365	2382	2385	4	150.0
2010	Guscio	2292	2360	2359	2291	4	150.0

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

2011	Setto	1691	2380	1734		4	180.0
2012	Guscio	2240	2098	2117	2118	4	150.0
2013	Guscio	2389	2390	2098	2240	4	150.0
2014	Guscio	2391	2119	2120	2121	4	150.0
2015	Guscio	2121	2120	2122	2241	4	150.0
2016	Guscio	2241	2122	2123	2124	4	150.0
2017	Guscio	2124	2123	2125	2126	4	150.0
2018	Guscio	2126	2125	2390	2389	4	150.0
2019	Guscio	2239	2398	2127	2128	4	150.0
2020	Guscio	2129	2130	2115	2131	4	150.0
2021	Guscio	2408	2132	2130	2129	4	150.0
2022	Guscio	2133	2134	2132	2408	4	150.0
2023	Guscio	2135	2136	2134	2133	4	150.0
2024	Guscio	2294	2361	2360	2292	4	150.0
2025	Setto	2380	1735	1734		4	180.0
2026	Guscio	2137	2138	2417	2409	4	150.0
2027	Guscio	2409	2417	2136	2135	4	150.0
2028	Guscio	2410	2088	2139	2140	4	150.0
2029	Guscio	2140	2139	2138	2137	4	150.0
2030	Guscio	2141	2142	2143	2144	4	150.0
2031	Guscio	2411	2415	2142	2141	4	150.0
2032	Guscio	2110	2137	2409	2109	4	150.0
2033	Guscio	2145	2116	2146	2147	4	150.0
2034	Guscio	2147	2146	2148	2412	4	150.0
2035	Guscio	2412	2148	2149	2150	4	150.0
2036	Guscio	2150	2149	2151	2152	4	150.0
2037	Guscio	2152	2151	2227	2228	4	150.0
2038	Guscio	2144	2143	2088	2410	4	150.0
2039	Guscio	2229	2230	2231	2114	4	150.0
2040	Guscio	2100	2237	2230	2229	4	150.0
2041	Guscio	2298	2316	2237	2100	4	150.0
2042	Guscio	2344	2347	2316	2298	4	150.0
2043	Guscio	2086	2362	2363	2297	4	150.0
2044	Guscio	2297	2363	2361	2294	4	150.0
2045	Guscio	2127	2364	2342	2333	4	150.0
2046	Guscio	2333	2342	2362	2086	4	150.0
2047	Guscio	2117	2343	2345	2398	4	150.0
2048	Guscio	2098	2346	2343	2117	4	150.0

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

2049	Guscio	2390	2348	2346	2098	4	150.0
2050	Guscio	2119	2351	2352	2120	4	150.0
2051	Guscio	2120	2352	2353	2122	4	150.0
2052	Guscio	2122	2353	2354	2123	4	150.0
2053	Guscio	2123	2354	2355	2125	4	150.0
2054	Guscio	2125	2355	2348	2390	4	150.0
2055	Guscio	2398	2345	2364	2127	4	150.0
2056	Guscio	2416	2238	2349	2350	4	150.0
2057	Guscio	2350	2349	2347	2344	4	150.0
2058	Guscio	2368	2128	1631	2099	4	150.0
2059	Guscio	2099	1631	2238	2416	4	150.0
2060	Guscio	2281	2118	2239	2097	4	150.0
2061	Guscio	2087	2240	2118	2281	4	150.0
2062	Guscio	2282	2389	2240	2087	4	150.0
2063	Guscio	2113	2391	2121	2283	4	150.0
2064	Guscio	2283	2121	2241	2284	4	150.0
2065	Guscio	2284	2241	2124	2285	4	150.0
2066	Guscio	2285	2124	2126	2286	4	150.0
2067	Guscio	2286	2126	2389	2282	4	150.0
2068	Guscio	2097	2239	2128	2368	4	150.0
2069	Guscio	2357	2288	2289	2358	4	150.0
2070	Guscio	2359	2242	2288	2357	4	150.0
2071	Guscio	2360	2293	2242	2359	4	150.0
2072	Guscio	2361	2295	2293	2360	4	150.0
2073	Guscio	2296	2109	2404	2295	4	150.0
2074	Guscio	2362	2243	2296	2363	4	150.0
2075	Guscio	2300	2107	2405	2332	4	150.0
2076	Setto	1723	2385	1722		4	180.0
2077	Guscio	2332	2405	2110	2243	4	150.0
2078	Guscio	2363	2296	2295	2361	4	150.0
2079	Guscio	2334	2406	2108	2244	4	150.0
2080	Guscio	2364	2300	2332	2342	4	150.0
2081	Setto	2385	1629	1722		4	180.0
2082	Guscio	2307	2330	2369	2308	4	150.0
2083	Guscio	2309	2325	2330	2307	4	150.0
2084	Guscio	2310	2326	2325	2309	4	150.0
2085	Guscio	2311	2274	2326	2310	4	150.0
2086	Guscio	2312	2323	2274	2311	4	150.0

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

2087	Guscio	2313	2324	2323	2312	4	150.0
2088	Guscio	2314	2328	2324	2313	4	150.0
2089	Guscio	2315	2234	2328	2314	4	150.0
2090	Guscio	2382	2381	2234	2315	4	150.0
2091	Guscio	2366	2321	2320	2365	4	150.0
2092	Guscio	2367	2318	2329	2370	4	150.0
2093	Guscio	2370	2329	2233	2371	4	150.0
2094	Guscio	2387	2386	2321	2366	4	150.0
2095	Guscio	2372	2319	2318	2367	4	150.0
2096	Guscio	2373	2278	2319	2372	4	150.0
2097	Guscio	2374	2279	2278	2373	4	150.0
2098	Guscio	2375	2317	2279	2374	4	150.0
2099	Guscio	2376	2276	2317	2375	4	150.0
2100	Guscio	2377	2388	2276	2376	4	150.0
2101	Guscio	2256	2261	2262	2257	4	150.0
2102	Guscio	2252	2263	2261	2256	4	150.0
2103	Guscio	2253	2264	2263	2252	4	150.0
2104	Guscio	2235	2265	2264	2253	4	150.0
2105	Guscio	2250	2266	2265	2235	4	150.0
2106	Guscio	2251	2267	2266	2250	4	150.0
2107	Guscio	2254	2268	2267	2251	4	150.0
2108	Guscio	2260	2269	2268	2254	4	150.0
2109	Guscio	2384	2383	2269	2260	4	150.0
2110	Guscio	2249	2271	2270	2248	4	150.0
2111	Guscio	2084	2272	2273	2255	4	150.0
2112	Guscio	2255	2273	2277	2259	4	150.0
2113	Guscio	2379	2378	2271	2249	4	150.0
2114	Guscio	2247	2280	2272	2084	4	150.0
2115	Guscio	2081	2299	2280	2247	4	150.0
2116	Guscio	2082	2301	2299	2081	4	150.0
2117	Guscio	2083	2302	2301	2082	4	150.0
2118	Guscio	2441	2479	2478	2435	4	150.0
2119	Guscio	2453	2480	2479	2441	4	150.0
2120	Guscio	2456	1447	2481	2457	4	150.0
2121	Guscio	2458	1610	1447	2456	4	150.0
2122	Guscio	2459	1621	1610	2458	4	150.0
2123	Guscio	2460	1448	1621	2459	4	150.0
2124	Guscio	2461	1579	1448	2460	4	150.0

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

2125	Guscio	2462	1590	1579	2461	4	150.0
2126	Guscio	2463	2413	1590	2462	4	150.0
2127	Guscio	2464	1450	2413	2463	4	150.0
2128	Guscio	2437	2497	1450	2464	4	150.0
2129	Guscio	2466	1559	1548	2465	4	150.0
2130	Guscio	2467	1517	2085	2468	4	150.0
2131	Guscio	2468	2085	1451	2472	4	150.0
2132	Guscio	2428	2430	1559	2466	4	150.0
2133	Guscio	2475	1528	1517	2467	4	150.0
2134	Guscio	2476	1449	1528	2475	4	150.0
2135	Guscio	2477	1477	1449	2476	4	150.0
2136	Guscio	2478	1488	1477	2477	4	150.0
2137	Guscio	2479	1446	1488	2478	4	150.0
2138	Guscio	2480	2482	1446	2479	4	150.0
2139	Guscio	1447	2483	2484	2481	4	150.0
2140	Guscio	1610	2485	2483	1447	4	150.0
2141	Guscio	1621	2486	2485	1610	4	150.0
2142	Guscio	1448	2487	2486	1621	4	150.0
2143	Guscio	1579	2488	2487	1448	4	150.0
2144	Guscio	1590	2489	2488	1579	4	150.0
2145	Guscio	2413	2490	2489	1590	4	150.0
2146	Guscio	1450	2491	2490	2413	4	150.0
2147	Guscio	2497	2432	2491	1450	4	150.0
2148	Guscio	1559	2331	2275	1548	4	150.0
2149	Guscio	1517	2418	2420	2085	4	150.0
2150	Guscio	2085	2420	2421	1451	4	150.0
2151	Guscio	2430	2506	2331	1559	4	150.0
2152	Guscio	1528	2422	2418	1517	4	150.0
2153	Guscio	1449	2423	2422	1528	4	150.0
2154	Guscio	1477	2424	2423	1449	4	150.0
2155	Guscio	1488	2425	2424	1477	4	150.0
2156	Guscio	1446	2426	2425	1488	4	150.0
2157	Guscio	2482	2427	2426	1446	4	150.0
2158	Guscio	2421	2438	2502	2506	4	150.0
2159	Guscio	2454	2472	2428	2429	4	150.0
2160	Guscio	2472	1451	2430	2428	4	150.0
2161	Guscio	1451	2421	2506	2430	4	150.0
2162	Guscio	2275	2495	2431	2432	4	150.0

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

2163	Guscio	2443	2465	2437	2470	4	150.0
2164	Guscio	2465	1548	2497	2437	4	150.0
2165	Guscio	1548	2275	2432	2497	4	150.0
2166	Guscio	2483	2505	2419	2484	4	150.0
2167	Guscio	2485	2500	2505	2483	4	150.0
2168	Guscio	2486	2501	2500	2485	4	150.0
2169	Guscio	2487	2469	2501	2486	4	150.0
2170	Guscio	2488	2498	2469	2487	4	150.0
2171	Guscio	2489	2499	2498	2488	4	150.0
2172	Guscio	2490	2503	2499	2489	4	150.0
2173	Guscio	2491	2439	2503	2490	4	150.0
2174	Guscio	2432	2431	2439	2491	4	150.0
2175	Guscio	2331	2496	2495	2275	4	150.0
2176	Guscio	2418	2493	2504	2420	4	150.0
2177	Guscio	2420	2504	2438	2421	4	150.0
2178	Guscio	2506	2502	2496	2331	4	150.0
2179	Guscio	2422	2494	2493	2418	4	150.0
2180	Guscio	2423	2473	2494	2422	4	150.0
2181	Guscio	2424	2474	2473	2423	4	150.0
2182	Guscio	2425	2492	2474	2424	4	150.0
2183	Guscio	2426	2471	2492	2425	4	150.0
2184	Guscio	2427	2356	2471	2426	4	150.0
2185	Guscio	2451	2456	2457	2452	4	150.0
2186	Guscio	2447	2458	2456	2451	4	150.0
2187	Guscio	2448	2459	2458	2447	4	150.0
2188	Guscio	2440	2460	2459	2448	4	150.0
2189	Guscio	2445	2461	2460	2440	4	150.0
2190	Guscio	2446	2462	2461	2445	4	150.0
2191	Guscio	2449	2463	2462	2446	4	150.0
2192	Guscio	2455	2464	2463	2449	4	150.0
2193	Guscio	2470	2437	2464	2455	4	150.0
2194	Guscio	2444	2466	2465	2443	4	150.0
2195	Guscio	2436	2467	2468	2450	4	150.0
2196	Guscio	2450	2468	2472	2454	4	150.0
2197	Guscio	2429	2428	2466	2444	4	150.0
2198	Guscio	2442	2475	2467	2436	4	150.0
2199	Guscio	2433	2476	2475	2442	4	150.0
2200	Guscio	2434	2477	2476	2433	4	150.0

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2201	Guscio	2435	2478	2477	2434	4	150.0
2202	Setto	1547	2497	1546		4	180.0
2203	Setto	2497	1450	1546		4	180.0
2204	Setto	1515	2430	1558		4	180.0
2205	Setto	2430	1559	1558		4	180.0
2206	Setto	1306	2346	1295		4	160.0
2207	Setto	2345	2364	1335		4	160.0
2208	Setto	1346	2345	1335		4	160.0

11.5 MODELLAZIONE DELLE AZIONI

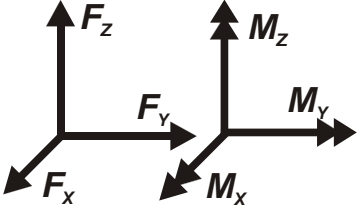
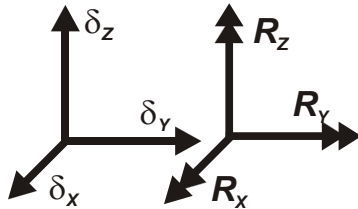
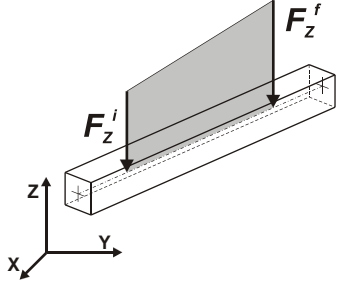
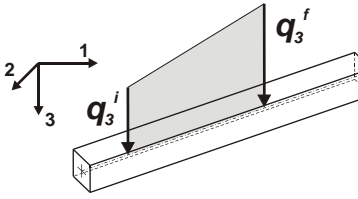
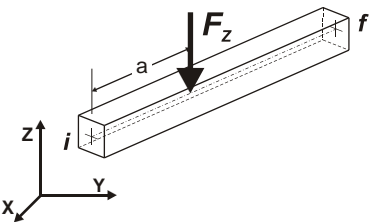
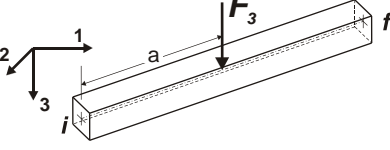
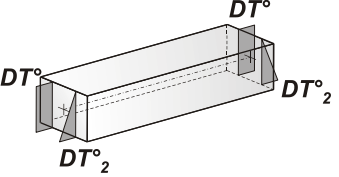
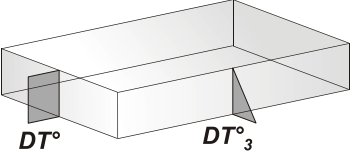
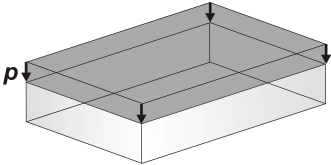
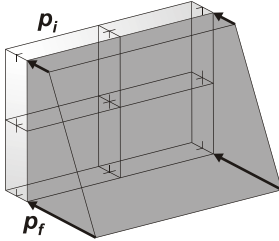
11.5.1 LEGENDA TABELLA DATI AZIONI

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

1	carico concentrato nodale 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	spostamento nodale impresso 6 dati (spostamento Tx, Ty, Tz, rotazione Rx, Ry, Rz)
3	carico distribuito globale su elemento tipo trave 7 dati (fx, fy, fz, mx, my, mz, ascissa di inizio carico) 7 dati (fx, fy, fz, mx, my, mz, ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f1, f2, f3, m1, m2, m3, ascissa di inizio carico) 7 dati (f1, f2, f3, m1, m2, m3, ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (Fx, Fy, Fz, Mx, My, Mz, ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra

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9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi

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

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Tipo carico distribuito globale su trave

Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		m	kN/ m	kN/ m	kN/ m	kN	kN	kN
5	barriere+parapetti	0.0	0.0	0.0	-1.90	0.0	0.0	0.0
		0.0	0.0	0.0	-1.90	0.0	0.0	0.0
19	frenatura	0.0	-35.00	0.0	0.0	0.0	0.0	0.0
		0.0	-35.00	0.0	0.0	0.0	0.0	0.0
26	azione vento	0.0	0.0	0.07	0.0	0.0	0.0	0.0
		0.0	0.0	0.07	0.0	0.0	0.0	0.0
33	Q1k	0.0	0.0	0.0	-200.00	0.0	0.0	0.0
		0.0	0.0	0.0	-200.00	0.0	0.0	0.0
34	Q2k	0.0	0.0	0.0	-133.33	0.0	0.0	0.0
		0.0	0.0	0.0	-133.33	0.0	0.0	0.0
35	Q3k	0.0	0.0	0.0	-66.67	0.0	0.0	0.0
		0.0	0.0	0.0	-66.67	0.0	0.0	0.0

Tipo carico variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		m	kN/ m2	m	kN/ m2
6	pavimentazione				
	Z - Z Qz Area L2=0.0	-0.01	-4.30	0.01	-4.30
22	spinta a riposo x-				
	Z - Z Qx Area L2=0.0	-11.40	-49.23	-2.40	0.0
23	spinta a riposo x+				
	Z - Z Qx Area L2=0.0	-11.40	49.23	-2.40	0.0
31	qrk				
	Z - Z Qz Area L2=0.0	-0.01	-2.50	0.01	-2.50
32	q1k				
	Z - Z Qz Area L2=0.0	-0.01	-6.50	0.01	-6.50

11.6 SCHEMATIZZAZIONE DEI CASI DI CARICO

11.6.1 LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

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

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

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

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

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

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:

Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).

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

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

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

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

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CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gk	carichi permanenti	
			D2 :da 30 a 40 Azione : barriere+parapetti
			D2 :da 49 a 50 Azione : barriere+parapetti
			D2 :da 59 a 73 Azione : barriere+parapetti
			D2 :da 74 a 117 Azione : barriere+parapetti
			D2 :da 118 a 161 Azione : barriere+parapetti
			D2 :da 250 a 271 Azione : barriere+parapetti
			D2 :da 514 a 517 Azione : barriere+parapetti
			D2 :da 525 a 526 Azione : barriere+parapetti
			D3 :da 1 a 72 Azione : pavimentazione
			D3 :da 73 a 144 Azione : pavimentazione
			D3 :da 145 a 216 Azione : pavimentazione
			D3 :da 217 a 288 Azione : pavimentazione
			D3 :da 289 a 396 Azione : pavimentazione
			D3 :da 397 a 468 Azione : pavimentazione
			D3 :da 469 a 576 Azione : pavimentazione
			D3 :da 577 a 648 Azione : pavimentazione
			D3 :da 649 a 792 Azione : pavimentazione
			D3 :da 793 a 864 Azione : pavimentazione
			D3 :da 865 a 936 Azione : pavimentazione
			D3 :da 937 a 1008 Azione : pavimentazione
			D3 :da 1009 a 1080 Azione : pavimentazione
			D3 :da 1081 a 1230 Azione : spinta a riposo x-
			D3 :da 1531 a 1680 Azione : spinta a riposo x+
			D3 :da 2206 a 2208 Azione : spinta a riposo x-
3	Esk	sisma y+	
			angolo di ingresso:90.00
			intensità sismica:0.04
			protezione sismica:1.00
			coefficiente di struttura:1.00
			coefficiente di fondazione:1.00
			partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 carichi permanenti

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CDC	Tipo	Sigla Id	Note
4	Esk	sisma x+	
			angolo di ingresso:0.0
			intensità sismica:0.04
			protezione sismica:1.00
			coefficiente di struttura:1.00
			coefficiente di fondazione:1.00
			partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 carichi permanenti
5	Qk	azione vento	
			D2 :da 30 a 40 Azione : azione vento
			D2 :da 59 a 73 Azione : azione vento
			D2 :da 118 a 161 Azione : azione vento
			D2 :da 525 a 526 Azione : azione vento
6	Qk	Q pos1	
			D2 :da 566 a 568 Azione : Q3k
			D2 :da 569 a 571 Azione : Q2k
			D2 :da 572 a 574 Azione : frenatura
			D2 :da 572 a 574 Azione : Q1k
7	Qk	Q pos2	
			D2 : 544 Azione : frenatura
			D2 : 544 Azione : Q1k
			D2 :da 581 a 583 Azione : Q3k
			D2 :da 584 a 586 Azione : Q2k
			D2 :da 587 a 588 Azione : frenatura
			D2 :da 587 a 588 Azione : Q1k
8	Qk	Q pos3	
			D2 :da 551 a 553 Azione : Q3k
			D2 :da 554 a 556 Azione : Q2k
			D2 :da 557 a 559 Azione : frenatura
			D2 :da 557 a 559 Azione : Q1k
9	Qk	Q pos4	
			D2 :da 341 a 343 Azione : Q3k
			D2 :da 344 a 346 Azione : Q2k
			D2 :da 347 a 349 Azione : frenatura
			D2 :da 347 a 349 Azione : Q1k
10	Qk	Q pos5	

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CDC	Tipo	Sigla Id	Note
			D2 :da 356 a 358 Azione : Q3k
			D2 :da 359 a 361 Azione : Q2k
			D2 :da 362 a 364 Azione : frenatura
			D2 :da 362 a 364 Azione : Q1k
11	Qk	Q pos6	
			D2 :da 371 a 373 Azione : Q3k
			D2 :da 374 a 376 Azione : Q2k
			D2 :da 377 a 379 Azione : frenatura
			D2 :da 377 a 379 Azione : Q1k
12	Qk	Q pos7	
			D2 :da 386 a 388 Azione : Q3k
			D2 :da 389 a 391 Azione : Q2k
			D2 :da 392 a 394 Azione : frenatura
			D2 :da 392 a 394 Azione : Q1k
13	Qk	Q pos8	
			D2 :da 402 a 404 Azione : Q3k
			D2 :da 405 a 407 Azione : Q2k
			D2 :da 408 a 410 Azione : frenatura
			D2 :da 408 a 410 Azione : Q1k
14	Qk	Q pos9	
			D2 :da 417 a 419 Azione : Q3k
			D2 :da 420 a 422 Azione : Q2k
			D2 :da 423 a 425 Azione : frenatura
			D2 :da 423 a 425 Azione : Q1k
15	Qk	carico distribuito impalcato	
			D3 :da 1 a 72 Azione : qrk
			D3 :da 73 a 144 Azione : qrk
			D3 :da 145 a 216 Azione : qrk
			D3 :da 217 a 288 Azione : qrk
			D3 :da 289 a 396 Azione : qrk
			D3 :da 397 a 468 Azione : qrk
			D3 :da 469 a 576 Azione : qrk
			D3 :da 577 a 648 Azione : qrk
			D3 :da 649 a 792 Azione : qrk
			D3 :da 793 a 864 Azione : qrk
			D3 :da 865 a 936 Azione : qrk

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CDC	Tipo	Sigla Id	Note
			D3 :da 937 a 1008 Azione : qrk
			D3 :da 1009 a 1080 Azione : qrk
16	Qk	carico distribuito CORSIA 1	
			D3 :da 73 a 144 Azione : q1k
			D3 :da 217 a 288 Azione : q1k
			D3 :da 397 a 468 Azione : q1k
			D3 :da 577 a 648 Azione : q1k
			D3 :da 793 a 864 Azione : q1k
			D3 :da 937 a 1008 Azione : q1k
17	Qk	carico distribuito CORSIA 2	
			D3 :da 109 a 144 Azione : q1k
			D3 :da 253 a 288 Azione : q1k
			D3 :da 433 a 468 Azione : q1k
			D3 :da 613 a 648 Azione : q1k
			D3 :da 829 a 864 Azione : q1k
			D3 :da 973 a 1008 Azione : q1k
18	Qk	Q pos10	
			D2 :da 566 a 568 Azione : Q3k
			D2 :da 569 a 571 Azione : frenatura
			D2 :da 569 a 571 Azione : Q1k
			D2 :da 572 a 574 Azione : Q2k
19	Qk	Q pos11	
			D2 : 544 Azione : Q2k
			D2 :da 581 a 583 Azione : Q3k
			D2 :da 584 a 586 Azione : frenatura
			D2 :da 584 a 586 Azione : Q1k
			D2 :da 587 a 588 Azione : Q2k
20	Qk	Q pos12	
			D2 :da 551 a 553 Azione : Q3k
			D2 :da 554 a 556 Azione : Q1k
			D2 :da 557 a 559 Azione : Q2k
21	Qk	Q pos13	
			D2 :da 341 a 343 Azione : Q3k
			D2 :da 344 a 346 Azione : Q1k
			D2 :da 347 a 349 Azione : Q2k
22	Qk	Q pos14	

CDC	Tipo	Sigla Id	Note
			D2 :da 356 a 358 Azione : Q3k
			D2 :da 359 a 361 Azione : Q1k
			D2 :da 362 a 364 Azione : Q2k
23	Qk	Q pos15	
			D2 :da 371 a 373 Azione : Q3k
			D2 :da 374 a 376 Azione : Q1k
			D2 :da 377 a 379 Azione : Q2k
24	Qk	Q pos16	
			D2 :da 386 a 388 Azione : Q3k
			D2 :da 389 a 391 Azione : Q1k
			D2 :da 392 a 394 Azione : Q2k
25	Qk	Q pos17	
			D2 :da 402 a 404 Azione : Q3k
			D2 :da 405 a 407 Azione : Q1k
			D2 :da 408 a 410 Azione : Q2k
26	Qk	Q pos18	
			D2 :da 417 a 419 Azione : Q3k
			D2 :da 420 a 422 Azione : Q1k
			D2 :da 423 a 425 Azione : Q2k

11.7 DEFINIZIONE DELLE COMBINAZIONI

11.8 LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

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

Cmb	Tipo	Sigla Id	Peso	CDC
1	SLU	SLU STR 01	1.30	CDC=Ggk (peso proprio della struttura)

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Cmb	Tipo	Sigla Id	Peso	CDC
			1.50	carichi permanenti
			1.50	azione vento
			1.35	Q pos1
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 1
2	SLU	SLU STR 02	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	Q pos2
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 1
3	SLU	SLU STR 03	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	Q pos3
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 1
4	SLU	SLU STR 04	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	Q pos4
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 1
5	SLU	SLU STR 05	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	Q pos5
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 1
6	SLU	SLU STR 06	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	Q pos6
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 1
7	SLU	SLU STR 06	1.30	CDC=Ggk (peso proprio della struttura)

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Cmb	Tipo	Sigla Id	Peso	CDC
			1.50	carichi permanenti
			1.50	azione vento
			1.35	Q pos7
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 1
8	SLU	SLU STR 08	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	Q pos8
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 1
9	SLU	SLU STR 09	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	Q pos9
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 1
10	SLU	SLU STR 10	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 2
			1.35	Q pos10
11	SLU	SLU STR 11	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 2
			1.35	Q pos11
12	SLU	SLU STR 12	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 2
			1.35	Q pos12
13	SLU	SLU STR 13	1.30	CDC=Ggk (peso proprio della struttura)

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Cmb	Tipo	Sigla Id	Peso	CDC
			1.50	carichi permanenti
			1.50	azione vento
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 2
			1.35	Q pos13
14	SLU	SLU STR 14	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 2
			1.35	Q pos14
15	SLU	SLU STR 15	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 2
			1.35	Q pos15
16	SLU	SLU STR 16	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 2
			1.35	Q pos16
17	SLU	SLU STR 17	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 2
			1.35	Q pos17
18	SLU	SLU STR 18	1.30	CDC=Ggk (peso proprio della struttura)
			1.50	carichi permanenti
			1.50	azione vento
			1.35	carico distribuito impalcato
			1.35	carico distribuito CORSIA 2
			1.35	Q pos18
19	SLE(r)	SLE 1	1.00	CDC=Ggk (peso proprio della struttura)

Cmb	Tipo	Sigla Id	Peso	CDC
			1.00	carichi permanenti
			1.00	azione vento
			1.00	Q pos2
			1.00	carico distribuito impalcato
			1.00	carico distribuito CORSIA 1
20	SLE(r)	SLE 2	1.00	CDC=Ggk (peso proprio della struttura)
			1.00	carichi permanenti
			1.00	azione vento
			1.00	Q pos5
			1.00	carico distribuito impalcato
			1.00	carico distribuito CORSIA 1
21	SLE(r)	SLE 3	1.00	CDC=Ggk (peso proprio della struttura)
			1.00	carichi permanenti
			1.00	azione vento
			1.00	carico distribuito impalcato
			1.00	carico distribuito CORSIA 2
			1.00	Q pos11
22	SLE(r)	SLE 4	1.00	CDC=Ggk (peso proprio della struttura)
			1.00	carichi permanenti
			1.00	azione vento
			1.00	carico distribuito impalcato
			1.00	carico distribuito CORSIA 2
			1.00	Q pos14
23	SLU	SISMA X	1.00	CDC=Ggk (peso proprio della struttura)
			1.00	carichi permanenti
			1.00	sisma x+
24	SLU	SISMA Y	1.00	CDC=Ggk (peso proprio della struttura)
			1.00	carichi permanenti

11.9 RISULTATI OPERE DI FONDAZIONE

11.9.1 LEGENDA RISULTATI OPERE DI FONDAZIONE

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

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.

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

In particolare viene riportato:

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

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

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

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

In particolare viene riportato:

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

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

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

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

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

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

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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
				m	kN	kN	kN	kN m	kN m	kN m
2155	PALO D 100.00	1	1	0.0	-30.35	3.42	-663.58	-13.04	115.50	-1.33e-04
		1	2	0.0	-33.26	4.01	-653.47	-14.74	117.69	-1.46e-04
		1	3	0.0	-29.21	4.35	-614.00	-15.56	104.20	-1.59e-04
		1	4	0.0	-22.51	4.49	-581.62	-15.49	89.43	-1.39e-04
		1	5	0.0	-25.39	4.91	-597.35	-16.67	95.82	-1.58e-04
		1	6	0.0	-25.09	4.91	-596.03	-16.65	95.14	-1.61e-04
		1	7	0.0	-22.47	4.51	-581.68	-15.55	89.30	-1.46e-04
		1	8	0.0	-23.38	4.65	-586.62	-15.92	91.34	-1.50e-04
		1	9	0.0	-23.36	4.65	-586.52	-15.92	91.30	-1.50e-04
		1	10	0.0	-29.25	4.71	-653.60	-16.55	112.24	-1.87e-04
		1	11	0.0	-32.49	5.35	-650.18	-18.14	115.63	-1.89e-04
		1	12	0.0	-24.82	4.80	-594.00	-16.36	94.58	-1.50e-04
		1	13	0.0	-20.55	4.21	-570.96	-14.72	85.06	-1.27e-04
		1	14	0.0	-23.57	4.65	-587.39	-15.94	91.77	-1.46e-04
		1	15	0.0	-23.41	4.65	-586.74	-15.92	91.40	-1.50e-04
		1	16	0.0	-21.61	4.38	-577.09	-15.20	87.39	-1.42e-04
		1	17	0.0	-22.57	4.53	-582.25	-15.59	89.53	-1.46e-04
		1	18	0.0	-22.57	4.53	-582.23	-15.59	89.52	-1.46e-04
		1	19	0.0	-25.23	3.08	-500.23	-11.33	89.58	-1.12e-04
		1	20	0.0	-19.40	3.75	-458.66	-12.75	73.38	-1.21e-04
		1	21	0.0	-24.66	4.07	-497.80	-13.84	88.06	-1.44e-04
		1	22	0.0	-18.05	3.56	-451.29	-12.21	70.38	-1.12e-04
		1	23	0.0	14.98	1.87	-330.05	-6.90	-5.04	-1.98e-06
		1	24	0.0	-17.22	3.40	-446.86	-11.80	68.50	-1.13e-04
2158	PALO D 100.00	1	1	0.0	-30.55	2.45	-715.67	-8.57	115.31	-2.64e-05
		1	2	0.0	-33.65	3.05	-709.09	-10.37	118.15	-2.89e-05
		1	3	0.0	-29.82	3.47	-669.79	-11.52	105.44	-3.33e-05
		1	4	0.0	-23.05	3.68	-632.35	-11.76	90.47	-3.03e-05
		1	5	0.0	-26.02	4.09	-649.61	-12.85	97.07	-3.44e-05
		1	6	0.0	-25.75	4.08	-648.20	-12.85	96.46	-3.54e-05
		1	7	0.0	-23.05	3.70	-632.53	-11.82	90.45	-3.22e-05
		1	8	0.0	-23.98	3.83	-637.89	-12.17	92.52	-3.29e-05
		1	9	0.0	-23.96	3.83	-637.78	-12.17	92.48	-3.29e-05

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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-29.92	3.75	-710.12	-12.16	113.41	-4.11e-05
		1	11	0.0	-33.20	4.42	-706.81	-13.88	116.96	-4.04e-05
		1	12	0.0	-25.41	3.97	-645.90	-12.55	95.72	-3.25e-05
		1	13	0.0	-21.03	3.42	-620.67	-11.05	85.98	-2.80e-05
		1	14	0.0	-24.14	3.84	-638.67	-12.18	92.88	-3.18e-05
		1	15	0.0	-24.01	3.83	-638.04	-12.17	92.58	-3.29e-05
		1	16	0.0	-22.18	3.58	-627.53	-11.50	88.52	-3.15e-05
		1	17	0.0	-23.16	3.72	-633.15	-11.86	90.69	-3.22e-05
		1	18	0.0	-23.15	3.72	-633.12	-11.86	90.68	-3.23e-05
		1	19	0.0	-25.53	2.35	-542.86	-7.98	89.96	-2.23e-05
		1	20	0.0	-19.88	3.12	-498.80	-9.82	74.34	-2.64e-05
		1	21	0.0	-25.20	3.37	-541.17	-10.58	89.07	-3.09e-05
		1	22	0.0	-18.49	2.93	-490.70	-9.32	71.24	-2.45e-05
		1	23	0.0	15.06	1.44	-356.31	-4.86	-5.45	-2.66e-06
		1	24	0.0	-17.67	2.78	-486.06	-8.93	69.41	-2.50e-05
2163	PALO D 100.00	1	1	0.0	-30.61	1.21	-732.33	-2.96	114.22	-2.16e-05
		1	2	0.0	-33.92	1.86	-730.37	-4.95	117.98	-2.30e-05
		1	3	0.0	-30.38	2.37	-693.97	-6.54	106.32	-2.73e-05
		1	4	0.0	-23.53	2.67	-653.72	-7.14	91.12	-2.58e-05
		1	5	0.0	-26.59	3.04	-671.73	-8.09	97.91	-2.89e-05
		1	6	0.0	-26.34	3.04	-670.32	-8.10	97.36	-2.99e-05
		1	7	0.0	-23.58	2.69	-654.03	-7.20	91.22	-2.74e-05
		1	8	0.0	-24.52	2.81	-659.58	-7.50	93.32	-2.79e-05
		1	9	0.0	-24.50	2.81	-659.46	-7.50	93.27	-2.79e-05
		1	10	0.0	-30.49	2.53	-731.74	-6.61	113.88	-3.47e-05
		1	11	0.0	-33.81	3.24	-729.75	-8.54	117.70	-3.33e-05
		1	12	0.0	-25.93	2.93	-667.83	-7.82	96.45	-2.74e-05
		1	13	0.0	-21.47	2.43	-641.56	-6.53	86.53	-2.41e-05
		1	14	0.0	-24.65	2.81	-660.31	-7.51	93.60	-2.69e-05
		1	15	0.0	-24.55	2.81	-659.73	-7.50	93.37	-2.79e-05
		1	16	0.0	-22.70	2.58	-648.86	-6.92	89.27	-2.70e-05
		1	17	0.0	-23.69	2.70	-654.67	-7.24	91.46	-2.75e-05
		1	18	0.0	-23.68	2.70	-654.64	-7.24	91.45	-2.75e-05
		1	19	0.0	-25.75	1.44	-559.24	-3.84	89.85	-1.79e-05
		1	20	0.0	-20.32	2.31	-515.81	-6.17	74.99	-2.22e-05
		1	21	0.0	-25.67	2.46	-558.78	-6.50	89.65	-2.55e-05

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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	-18.88	2.14	-507.34	-5.73	71.80	-2.08e-05
		1	23	0.0	15.14	0.90	-366.26	-2.36	-6.04	-5.14e-06
		1	24	0.0	-18.09	2.00	-502.69	-5.38	70.03	-2.13e-05
2164	PALO D 100.00	1	1	0.0	-30.76	0.39	-721.24	0.69	113.53	-2.19e-05
		1	2	0.0	-34.28	1.08	-725.18	-1.50	118.21	-2.21e-05
		1	3	0.0	-31.02	1.67	-693.83	-3.40	107.60	-2.69e-05
		1	4	0.0	-24.12	2.01	-652.40	-4.21	92.21	-2.69e-05
		1	5	0.0	-27.25	2.35	-670.42	-5.05	99.17	-2.95e-05
		1	6	0.0	-27.04	2.36	-669.07	-5.06	98.70	-3.06e-05
		1	7	0.0	-24.21	2.03	-652.82	-4.27	92.42	-2.86e-05
		1	8	0.0	-25.17	2.14	-658.33	-4.54	94.54	-2.89e-05
		1	9	0.0	-25.15	2.14	-658.21	-4.54	94.49	-2.89e-05
		1	10	0.0	-31.14	1.70	-725.75	-2.95	114.71	-3.59e-05
		1	11	0.0	-34.50	2.46	-726.41	-5.08	118.83	-3.32e-05
		1	12	0.0	-26.55	2.25	-666.48	-4.81	97.62	-2.80e-05
		1	13	0.0	-22.02	1.79	-640.24	-3.67	87.53	-2.55e-05
		1	14	0.0	-25.26	2.14	-658.98	-4.54	94.75	-2.79e-05
		1	15	0.0	-25.19	2.14	-658.48	-4.53	94.60	-2.89e-05
		1	16	0.0	-23.33	1.93	-647.69	-4.02	90.46	-2.83e-05
		1	17	0.0	-24.32	2.04	-653.46	-4.30	92.67	-2.86e-05
		1	18	0.0	-24.32	2.04	-653.42	-4.31	92.66	-2.87e-05
		1	19	0.0	-26.04	0.85	-555.38	-1.20	90.06	-1.72e-05
		1	20	0.0	-20.83	1.79	-514.81	-3.83	75.96	-2.27e-05
		1	21	0.0	-26.20	1.87	-556.28	-3.85	90.53	-2.54e-05
		1	22	0.0	-19.36	1.63	-506.34	-3.45	72.69	-2.15e-05
		1	23	0.0	15.08	0.56	-363.53	-0.80	-6.16	-9.86e-06
		1	24	0.0	-18.59	1.50	-501.86	-3.13	70.99	-2.23e-05
2168	PALO D 100.00	1	1	0.0	-31.20	0.04	-691.72	2.25	114.10	-7.17e-05
		1	2	0.0	-34.88	0.79	-703.20	-0.23	119.47	-6.72e-05
		1	3	0.0	-31.85	1.41	-678.40	-2.28	109.69	-8.78e-05
		1	4	0.0	-24.91	1.72	-635.80	-2.91	94.12	-9.64e-05
		1	5	0.0	-28.12	2.06	-653.56	-3.77	101.28	-1.03e-04
		1	6	0.0	-27.93	2.06	-652.28	-3.78	100.88	-1.07e-04
		1	7	0.0	-25.05	1.74	-636.33	-2.97	94.45	-1.03e-04
		1	8	0.0	-26.01	1.85	-641.70	-3.24	96.59	-1.03e-04
		1	9	0.0	-25.99	1.85	-641.58	-3.24	96.55	-1.03e-04

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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-32.06	1.36	-701.41	-1.43	116.64	-1.27e-04
		1	11	0.0	-35.43	2.15	-706.02	-3.75	120.97	-1.11e-04
		1	12	0.0	-27.38	1.96	-649.65	-3.52	99.62	-9.78e-05
		1	13	0.0	-22.76	1.49	-623.83	-2.36	89.33	-9.35e-05
		1	14	0.0	-26.08	1.85	-642.27	-3.24	96.73	-9.88e-05
		1	15	0.0	-26.04	1.85	-641.86	-3.24	96.65	-1.03e-04
		1	16	0.0	-24.15	1.63	-631.32	-2.72	92.46	-1.03e-04
		1	17	0.0	-25.16	1.75	-636.95	-3.00	94.70	-1.03e-04
		1	18	0.0	-25.15	1.75	-636.91	-3.01	94.69	-1.03e-04
		1	19	0.0	-26.51	0.62	-538.65	-0.23	91.06	-5.29e-05
		1	20	0.0	-21.50	1.56	-501.88	-2.85	77.59	-7.94e-05
		1	21	0.0	-26.91	1.63	-540.74	-2.83	92.17	-8.53e-05
		1	22	0.0	-19.99	1.41	-493.51	-2.46	74.22	-7.63e-05
		1	23	0.0	14.86	0.27	-349.89	0.56	-5.76	-5.70e-05
		1	24	0.0	-19.24	1.27	-489.32	-2.14	72.57	-8.03e-05
2173	PALO D 100.00	1	1	0.0	-24.19	2.57	-1158.02	-9.92	86.70	-3.69e-04
		1	2	0.0	-27.24	3.14	-1079.66	-11.71	89.47	-4.06e-04
		1	3	0.0	-23.75	3.43	-998.76	-12.61	78.55	-4.44e-04
		1	4	0.0	-17.57	3.67	-996.99	-12.84	66.20	-3.89e-04
		1	5	0.0	-20.22	3.97	-1000.01	-13.68	71.52	-4.44e-04
		1	6	0.0	-19.94	3.94	-999.74	-13.60	70.94	-4.54e-04
		1	7	0.0	-17.52	3.64	-996.85	-12.78	66.06	-4.09e-04
		1	8	0.0	-18.36	3.75	-997.89	-13.08	67.77	-4.20e-04
		1	9	0.0	-18.35	3.75	-997.88	-13.08	67.74	-4.20e-04
		1	10	0.0	-23.19	3.56	-1141.80	-12.84	83.81	-5.27e-04
		1	11	0.0	-26.53	4.21	-1074.92	-14.49	87.63	-5.30e-04
		1	12	0.0	-19.70	3.91	-999.41	-13.50	70.50	-4.21e-04
		1	13	0.0	-15.75	3.46	-994.94	-12.27	62.56	-3.57e-04
		1	14	0.0	-18.54	3.79	-998.14	-13.16	68.15	-4.09e-04
		1	15	0.0	-18.39	3.75	-997.90	-13.08	67.82	-4.20e-04
		1	16	0.0	-16.73	3.53	-995.89	-12.50	64.48	-3.99e-04
		1	17	0.0	-17.62	3.65	-996.97	-12.82	66.26	-4.10e-04
		1	18	0.0	-17.61	3.65	-996.98	-12.82	66.25	-4.10e-04
		1	19	0.0	-20.64	2.41	-827.52	-9.00	68.04	-3.12e-04
		1	20	0.0	-15.43	3.03	-768.52	-10.46	54.74	-3.40e-04
		1	21	0.0	-20.11	3.21	-824.01	-11.06	66.68	-4.05e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	-14.19	2.89	-767.13	-10.08	52.24	-3.15e-04
		1	23	0.0	17.42	1.84	-752.62	-6.67	-16.39	-5.60e-06
		1	24	0.0	-13.42	2.73	-765.88	-9.67	50.66	-3.17e-04
2176	PALO D 100.00	1	1	0.0	-23.80	0.82	-1185.65	-2.04	83.52	-7.11e-05
		1	2	0.0	-27.01	1.52	-1114.12	-4.44	86.88	-7.75e-05
		1	3	0.0	-23.80	2.00	-1037.78	-6.19	77.01	-9.11e-05
		1	4	0.0	-17.62	2.29	-1032.03	-6.67	64.86	-8.42e-05
		1	5	0.0	-20.33	2.58	-1035.71	-7.40	70.20	-9.53e-05
		1	6	0.0	-20.08	2.55	-1035.40	-7.34	69.70	-9.83e-05
		1	7	0.0	-17.62	2.27	-1031.99	-6.61	64.83	-8.95e-05
		1	8	0.0	-18.47	2.37	-1033.18	-6.88	66.51	-9.14e-05
		1	9	0.0	-18.45	2.37	-1033.17	-6.88	66.48	-9.14e-05
		1	10	0.0	-23.27	1.88	-1176.92	-5.30	82.00	-1.14e-04
		1	11	0.0	-26.62	2.63	-1111.33	-7.40	85.90	-1.11e-04
		1	12	0.0	-19.77	2.52	-1034.95	-7.25	69.11	-9.00e-05
		1	13	0.0	-15.78	2.10	-1029.53	-6.18	61.22	-7.80e-05
		1	14	0.0	-18.61	2.40	-1033.40	-6.96	66.81	-8.83e-05
		1	15	0.0	-18.49	2.37	-1033.21	-6.88	66.56	-9.14e-05
		1	16	0.0	-16.83	2.17	-1030.89	-6.37	63.27	-8.77e-05
		1	17	0.0	-17.72	2.28	-1032.13	-6.65	65.03	-8.97e-05
		1	18	0.0	-17.71	2.28	-1032.13	-6.65	65.02	-8.98e-05
		1	19	0.0	-20.47	1.18	-854.06	-3.45	66.09	-6.00e-05
		1	20	0.0	-15.52	1.96	-795.97	-5.64	53.74	-7.32e-05
		1	21	0.0	-20.18	2.00	-851.99	-5.64	65.37	-8.49e-05
		1	22	0.0	-14.25	1.83	-794.26	-5.31	51.23	-6.80e-05
		1	23	0.0	17.61	0.97	-771.63	-2.75	-17.34	-1.03e-05
		1	24	0.0	-13.51	1.67	-793.07	-4.93	49.74	-6.96e-05
2181	PALO D 100.00	1	1	0.0	-23.74	-0.11	-1178.19	1.86	81.90	-7.01e-05
		1	2	0.0	-27.13	0.68	-1116.27	-0.91	85.97	-7.43e-05
		1	3	0.0	-24.18	1.25	-1048.03	-3.01	77.08	-8.82e-05
		1	4	0.0	-17.97	1.57	-1039.55	-3.65	64.86	-8.38e-05
		1	5	0.0	-20.75	1.84	-1043.36	-4.31	70.32	-9.37e-05
		1	6	0.0	-20.53	1.82	-1043.07	-4.25	69.89	-9.68e-05
		1	7	0.0	-18.01	1.55	-1039.62	-3.59	64.95	-8.90e-05
		1	8	0.0	-18.87	1.65	-1040.80	-3.84	66.63	-9.06e-05
		1	9	0.0	-18.85	1.65	-1040.77	-3.84	66.60	-9.06e-05

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-23.69	0.95	-1178.14	-1.42	81.77	-1.13e-04
		1	11	0.0	-27.06	1.80	-1116.10	-3.91	85.83	-1.08e-04
		1	12	0.0	-20.15	1.79	-1042.55	-4.17	69.15	-8.87e-05
		1	13	0.0	-16.09	1.39	-1036.97	-3.20	61.16	-7.84e-05
		1	14	0.0	-18.98	1.68	-1040.94	-3.91	66.85	-8.74e-05
		1	15	0.0	-18.89	1.65	-1040.83	-3.84	66.68	-9.06e-05
		1	16	0.0	-17.22	1.45	-1038.53	-3.36	63.38	-8.76e-05
		1	17	0.0	-18.11	1.56	-1039.76	-3.62	65.14	-8.92e-05
		1	18	0.0	-18.11	1.56	-1039.75	-3.62	65.13	-8.93e-05
		1	19	0.0	-20.57	0.54	-855.89	-0.75	65.43	-5.77e-05
		1	20	0.0	-15.84	1.40	-801.88	-3.27	53.84	-7.20e-05
		1	21	0.0	-20.52	1.37	-855.77	-2.97	65.33	-8.25e-05
		1	22	0.0	-14.53	1.28	-800.09	-2.97	51.27	-6.74e-05
		1	23	0.0	17.70	0.52	-773.38	-0.89	-18.02	-1.81e-05
		1	24	0.0	-13.82	1.12	-799.11	-2.60	49.85	-6.92e-05
2182	PALO D 100.00	1	1	0.0	-23.76	-0.74	-1150.90	4.38	80.61	-8.23e-05
		1	2	0.0	-27.35	0.12	-1100.45	1.34	85.56	-8.46e-05
		1	3	0.0	-24.66	0.73	-1041.89	-0.93	77.60	-1.01e-04
		1	4	0.0	-18.38	1.06	-1031.30	-1.60	65.11	-9.87e-05
		1	5	0.0	-21.24	1.33	-1034.95	-2.24	70.79	-1.09e-04
		1	6	0.0	-21.05	1.30	-1034.70	-2.19	70.43	-1.13e-04
		1	7	0.0	-18.47	1.04	-1031.48	-1.54	65.31	-1.05e-04
		1	8	0.0	-19.34	1.14	-1032.55	-1.78	67.03	-1.06e-04
		1	9	0.0	-19.32	1.14	-1032.52	-1.78	66.99	-1.06e-04
		1	10	0.0	-24.18	0.29	-1159.20	1.21	81.81	-1.32e-04
		1	11	0.0	-27.60	1.24	-1102.95	-1.63	86.24	-1.24e-04
		1	12	0.0	-20.60	1.27	-1034.17	-2.11	69.51	-1.03e-04
		1	13	0.0	-16.45	0.89	-1028.85	-1.17	61.30	-9.32e-05
		1	14	0.0	-19.42	1.17	-1032.62	-1.86	67.19	-1.02e-04
		1	15	0.0	-19.36	1.14	-1032.59	-1.78	67.08	-1.06e-04
		1	16	0.0	-17.66	0.95	-1030.49	-1.32	63.72	-1.03e-04
		1	17	0.0	-18.57	1.05	-1031.60	-1.57	65.51	-1.05e-04
		1	18	0.0	-18.57	1.05	-1031.59	-1.58	65.50	-1.05e-04
		1	19	0.0	-20.75	0.11	-843.97	0.98	65.14	-6.58e-05
		1	20	0.0	-16.22	1.00	-795.45	-1.68	54.20	-8.39e-05
		1	21	0.0	-20.93	0.93	-845.83	-1.22	65.64	-9.48e-05

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	-14.87	0.88	-793.73	-1.39	51.53	-7.90e-05
		1	23	0.0	17.82	0.15	-764.87	0.59	-19.01	-3.02e-05
		1	24	0.0	-14.18	0.73	-793.03	-1.03	50.16	-8.15e-05
2186	PALO D 100.00	1	1	0.0	-23.85	-1.55	-1106.18	7.82	79.63	-2.07e-04
		1	2	0.0	-27.60	-0.66	-1068.05	4.70	85.33	-1.96e-04
		1	3	0.0	-25.15	-0.03	-1019.74	2.38	78.20	-2.55e-04
		1	4	0.0	-18.81	0.28	-1006.94	1.78	65.45	-2.78e-04
		1	5	0.0	-21.76	0.55	-1010.41	1.11	71.37	-2.98e-04
		1	6	0.0	-21.59	0.52	-1010.20	1.17	71.07	-3.11e-04
		1	7	0.0	-18.95	0.26	-1007.23	1.84	65.77	-2.97e-04
		1	8	0.0	-19.83	0.36	-1008.18	1.59	67.53	-2.98e-04
		1	9	0.0	-19.81	0.36	-1008.15	1.59	67.49	-2.98e-04
		1	10	0.0	-24.71	-0.56	-1121.99	4.84	82.05	-3.67e-04
		1	11	0.0	-28.17	0.43	-1072.77	1.85	86.83	-3.23e-04
		1	12	0.0	-21.07	0.50	-1009.67	1.25	69.98	-2.83e-04
		1	13	0.0	-16.84	0.10	-1004.62	2.23	61.50	-2.69e-04
		1	14	0.0	-19.88	0.39	-1008.17	1.52	67.61	-2.85e-04
		1	15	0.0	-19.85	0.36	-1008.22	1.59	67.57	-2.97e-04
		1	16	0.0	-18.13	0.16	-1006.33	2.06	64.13	-2.97e-04
		1	17	0.0	-19.05	0.27	-1007.33	1.81	65.97	-2.97e-04
		1	18	0.0	-19.04	0.27	-1007.32	1.80	65.96	-2.97e-04
		1	19	0.0	-20.95	-0.50	-819.32	3.56	64.99	-1.54e-04
		1	20	0.0	-16.62	0.40	-776.62	0.91	54.65	-2.29e-04
		1	21	0.0	-21.37	0.31	-822.81	1.45	66.09	-2.48e-04
		1	22	0.0	-15.23	0.28	-774.96	1.20	51.86	-2.20e-04
		1	23	0.0	17.91	-0.50	-743.55	3.44	-20.02	-1.56e-04
		1	24	0.0	-14.55	0.13	-774.56	1.57	50.53	-2.31e-04
2191	PALO D 100.00	1	1	0.0	-6.68	0.55	-1206.56	-2.00	4.89	-5.70e-04
		1	2	0.0	-11.13	1.08	-1083.60	-3.71	14.16	-6.27e-04
		1	3	0.0	-9.28	1.41	-1002.92	-5.05	10.89	-6.86e-04
		1	4	0.0	-3.36	1.88	-1053.14	-6.23	-0.22	-6.01e-04
		1	5	0.0	-5.87	2.00	-1033.33	-6.43	4.42	-6.85e-04
		1	6	0.0	-5.61	1.96	-1034.94	-6.32	3.91	-7.01e-04
		1	7	0.0	-3.32	1.81	-1052.72	-6.05	-0.34	-6.31e-04
		1	8	0.0	-4.12	1.88	-1046.70	-6.19	1.15	-6.49e-04
		1	9	0.0	-4.10	1.88	-1046.84	-6.19	1.11	-6.48e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-6.01	1.20	-1191.20	-4.15	3.43	-8.13e-04
		1	11	0.0	-10.55	1.86	-1080.21	-5.79	12.86	-8.19e-04
		1	12	0.0	-5.38	2.01	-1037.64	-6.46	3.54	-6.50e-04
		1	13	0.0	-1.64	1.79	-1066.54	-6.06	-3.41	-5.51e-04
		1	14	0.0	-4.28	1.93	-1045.94	-6.32	1.47	-6.31e-04
		1	15	0.0	-4.14	1.88	-1046.51	-6.18	1.19	-6.49e-04
		1	16	0.0	-2.58	1.74	-1058.33	-5.92	-1.73	-6.15e-04
		1	17	0.0	-3.41	1.82	-1052.02	-6.06	-0.17	-6.33e-04
		1	18	0.0	-3.41	1.82	-1052.07	-6.07	-0.18	-6.34e-04
		1	19	0.0	-8.31	0.83	-832.17	-2.89	10.42	-4.82e-04
		1	20	0.0	-4.41	1.52	-794.93	-4.91	3.21	-5.25e-04
		1	21	0.0	-7.88	1.42	-829.66	-4.43	9.46	-6.25e-04
		1	22	0.0	-3.23	1.47	-804.28	-4.82	1.03	-4.86e-04
		1	23	0.0	27.37	1.51	-965.04	-5.35	-62.76	-8.04e-06
		1	24	0.0	-2.51	1.31	-808.98	-4.48	-0.34	-4.89e-04
2195	PALO D 100.00	1	1	0.0	-7.01	0.01	-1205.28	0.30	4.92	-1.75e-04
		1	2	0.0	-11.47	0.64	-1089.51	-1.87	14.11	-1.91e-04
		1	3	0.0	-9.75	1.04	-1016.60	-3.48	11.19	-2.24e-04
		1	4	0.0	-3.84	1.46	-1066.31	-4.46	0.28	-2.07e-04
		1	5	0.0	-6.42	1.61	-1045.36	-4.75	5.01	-2.34e-04
		1	6	0.0	-6.19	1.56	-1047.04	-4.62	4.57	-2.42e-04
		1	7	0.0	-3.84	1.39	-1065.93	-4.27	0.27	-2.20e-04
		1	8	0.0	-4.65	1.46	-1059.51	-4.44	1.75	-2.25e-04
		1	9	0.0	-4.63	1.46	-1059.66	-4.44	1.72	-2.25e-04
		1	10	0.0	-6.68	0.69	-1197.85	-1.99	4.22	-2.80e-04
		1	11	0.0	-11.17	1.44	-1087.97	-4.02	13.46	-2.74e-04
		1	12	0.0	-5.89	1.61	-1049.93	-4.76	4.05	-2.21e-04
		1	13	0.0	-2.09	1.35	-1080.47	-4.23	-2.94	-1.91e-04
		1	14	0.0	-4.78	1.52	-1058.68	-4.58	2.01	-2.17e-04
		1	15	0.0	-4.67	1.46	-1059.32	-4.44	1.79	-2.25e-04
		1	16	0.0	-3.09	1.32	-1071.90	-4.12	-1.11	-2.15e-04
		1	17	0.0	-3.94	1.40	-1065.19	-4.29	0.44	-2.20e-04
		1	18	0.0	-3.93	1.40	-1065.23	-4.29	0.43	-2.21e-04
		1	19	0.0	-8.58	0.50	-836.96	-1.48	10.41	-1.48e-04
		1	20	0.0	-4.84	1.22	-804.26	-3.61	3.67	-1.80e-04
		1	21	0.0	-8.36	1.10	-835.83	-3.07	9.93	-2.09e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	-3.62	1.15	-814.12	-3.48	1.44	-1.67e-04
		1	23	0.0	27.29	1.04	-978.52	-3.39	-62.56	-2.37e-05
		1	24	0.0	-2.92	0.99	-819.34	-3.11	0.15	-1.71e-04
2196	PALO D 100.00	1	1	0.0	-7.54	-0.76	-1183.91	3.52	6.02	-1.06e-04
		1	2	0.0	-11.98	0.02	-1078.61	0.74	15.04	-1.13e-04
		1	3	0.0	-10.36	0.48	-1015.24	-1.10	12.28	-1.34e-04
		1	4	0.0	-4.44	0.83	-1063.16	-1.84	1.47	-1.27e-04
		1	5	0.0	-7.09	1.01	-1041.64	-2.24	6.32	-1.42e-04
		1	6	0.0	-6.89	0.95	-1043.32	-2.11	5.95	-1.47e-04
		1	7	0.0	-4.49	0.76	-1062.80	-1.65	1.56	-1.35e-04
		1	8	0.0	-5.31	0.84	-1056.16	-1.86	3.05	-1.37e-04
		1	9	0.0	-5.29	0.84	-1056.31	-1.86	3.02	-1.37e-04
		1	10	0.0	-7.52	-0.09	-1184.89	1.24	5.96	-1.71e-04
		1	11	0.0	-11.95	0.82	-1079.20	-1.42	14.98	-1.63e-04
		1	12	0.0	-6.52	1.00	-1046.36	-2.23	5.27	-1.34e-04
		1	13	0.0	-2.65	0.71	-1077.69	-1.54	-1.81	-1.19e-04
		1	14	0.0	-5.41	0.91	-1055.29	-2.01	3.24	-1.32e-04
		1	15	0.0	-5.33	0.84	-1055.98	-1.85	3.09	-1.37e-04
		1	16	0.0	-3.73	0.68	-1068.97	-1.47	0.17	-1.33e-04
		1	17	0.0	-4.58	0.77	-1062.03	-1.68	1.73	-1.35e-04
		1	18	0.0	-4.58	0.77	-1062.07	-1.68	1.72	-1.35e-04
		1	19	0.0	-8.98	0.02	-828.84	0.53	11.13	-8.73e-05
		1	20	0.0	-5.35	0.75	-801.46	-1.68	4.68	-1.09e-04
		1	21	0.0	-8.95	0.62	-829.28	-1.07	11.09	-1.25e-04
		1	22	0.0	-4.11	0.68	-811.57	-1.50	2.40	-1.02e-04
		1	23	0.0	27.12	0.39	-975.86	-0.69	-62.07	-2.69e-05
		1	24	0.0	-3.43	0.51	-817.13	-1.10	1.15	-1.05e-04
2200	PALO D 100.00	1	1	0.0	-7.98	-1.63	-1145.70	7.20	6.72	-9.76e-05
		1	2	0.0	-12.43	-0.73	-1053.70	3.92	15.68	-1.00e-04
		1	3	0.0	-10.89	-0.23	-1000.77	1.91	13.05	-1.20e-04
		1	4	0.0	-4.94	0.06	-1045.53	1.47	2.11	-1.17e-04
		1	5	0.0	-7.68	0.26	-1024.06	0.93	7.20	-1.30e-04
		1	6	0.0	-7.50	0.21	-1025.71	1.08	6.89	-1.34e-04
		1	7	0.0	-5.03	-0.01	-1045.21	1.65	2.30	-1.25e-04
		1	8	0.0	-5.86	0.08	-1038.55	1.41	3.84	-1.26e-04
		1	9	0.0	-5.84	0.08	-1038.69	1.41	3.81	-1.26e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-8.29	-0.99	-1154.58	5.06	7.30	-1.57e-04
		1	11	0.0	-12.66	0.07	-1056.33	1.79	16.21	-1.47e-04
		1	12	0.0	-7.06	0.25	-1028.82	0.97	6.04	-1.23e-04
		1	13	0.0	-3.09	-0.09	-1060.02	1.86	-1.31	-1.11e-04
		1	14	0.0	-5.94	0.14	-1037.66	1.25	3.97	-1.22e-04
		1	15	0.0	-5.88	0.08	-1038.38	1.41	3.88	-1.26e-04
		1	16	0.0	-4.25	-0.10	-1051.39	1.87	0.87	-1.23e-04
		1	17	0.0	-5.12	-1.42e-03	-1044.43	1.62	2.48	-1.25e-04
		1	18	0.0	-5.12	-9.56e-04	-1044.46	1.62	2.47	-1.25e-04
		1	19	0.0	-9.32	-0.55	-809.92	2.98	11.63	-7.80e-05
		1	20	0.0	-5.80	0.18	-787.97	0.77	5.35	-9.97e-05
		1	21	0.0	-9.50	0.04	-811.87	1.41	12.02	-1.13e-04
		1	22	0.0	-4.51	0.09	-798.05	1.01	2.96	-9.40e-05
		1	23	0.0	27.15	-0.40	-958.16	2.71	-62.66	-3.62e-05
		1	24	0.0	-3.85	-0.09	-803.79	1.44	1.74	-9.69e-05
2204	PALO D 100.00	1	1	0.0	-8.36	-2.77	-1081.61	12.36	7.33	-3.23e-04
		1	2	0.0	-12.83	-1.76	-1005.46	8.59	16.36	-3.06e-04
		1	3	0.0	-11.40	-1.23	-963.66	6.45	13.94	-3.98e-04
		1	4	0.0	-5.40	-1.05	-1002.98	6.50	2.79	-4.33e-04
		1	5	0.0	-8.23	-0.79	-982.64	5.73	8.15	-4.64e-04
		1	6	0.0	-8.08	-0.85	-984.18	5.89	7.90	-4.84e-04
		1	7	0.0	-5.54	-1.12	-1002.74	6.67	3.10	-4.63e-04
		1	8	0.0	-6.38	-1.01	-996.38	6.36	4.69	-4.64e-04
		1	9	0.0	-6.37	-1.01	-996.51	6.36	4.65	-4.64e-04
		1	10	0.0	-9.00	-2.17	-1097.37	10.40	8.66	-5.71e-04
		1	11	0.0	-13.34	-0.98	-1009.73	6.54	17.53	-5.02e-04
		1	12	0.0	-7.57	-0.82	-987.17	5.83	6.88	-4.40e-04
		1	13	0.0	-3.51	-1.23	-1016.71	7.05	-0.78	-4.19e-04
		1	14	0.0	-6.43	-0.95	-995.51	6.20	4.75	-4.44e-04
		1	15	0.0	-6.41	-1.01	-996.23	6.36	4.73	-4.64e-04
		1	16	0.0	-4.75	-1.22	-1008.64	6.96	1.62	-4.62e-04
		1	17	0.0	-5.64	-1.11	-1002.00	6.64	3.28	-4.63e-04
		1	18	0.0	-5.63	-1.11	-1002.02	6.64	3.27	-4.63e-04
		1	19	0.0	-9.63	-1.35	-773.02	6.58	12.16	-2.40e-04
		1	20	0.0	-6.23	-0.63	-756.12	4.47	6.08	-3.57e-04
		1	21	0.0	-10.01	-0.77	-776.19	5.07	13.02	-3.86e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	-4.90	-0.75	-765.65	4.81	3.56	-3.43e-04
		1	23	0.0	27.20	-1.62	-914.16	8.19	-63.37	-2.44e-04
		1	24	0.0	-4.24	-0.94	-771.32	5.30	2.36	-3.60e-04
2237	PALO D 100.00	1	1	0.0	5.94	1.35	-1046.20	-7.34	-6.62	-3.89e-04
		1	2	0.0	5.85	1.36	-1046.83	-7.37	-6.46	-3.88e-04
		1	3	0.0	4.97	1.48	-1053.66	-7.70	-4.83	-3.91e-04
		1	4	0.0	5.90	1.41	-1047.02	-7.50	-6.58	-4.06e-04
		1	5	0.0	5.90	1.40	-1047.08	-7.49	-6.62	-4.21e-04
		1	6	0.0	2.93	1.96	-1071.00	-8.96	-1.16	-4.29e-04
		1	7	0.0	4.90	2.50	-1060.97	-10.04	-4.73	-4.14e-04
		1	8	0.0	7.79	2.90	-1147.11	-10.68	-10.59	-8.21e-04
		1	9	0.0	0.31	1.82	-1275.10	-7.98	5.39	-2.63e-04
		1	10	0.0	5.93	1.35	-1046.26	-7.35	-6.61	-3.89e-04
		1	11	0.0	5.84	1.36	-1046.91	-7.38	-6.44	-3.88e-04
		1	12	0.0	5.77	1.37	-1047.51	-7.41	-6.31	-3.89e-04
		1	13	0.0	7.47	1.15	-1034.45	-6.78	-9.44	-3.89e-04
		1	14	0.0	7.59	1.13	-1033.60	-6.72	-9.68	-3.99e-04
		1	15	0.0	4.71	1.58	-1056.20	-7.97	-4.40	-4.05e-04
		1	16	0.0	8.92	1.13	-1025.03	-6.66	-12.22	-4.39e-04
		1	17	0.0	11.57	1.61	-1100.02	-7.78	-17.45	-7.01e-04
		1	18	0.0	5.18	1.58	-1217.40	-7.98	-4.13	-3.88e-04
		1	19	0.0	4.49	1.04	-804.64	-5.64	-4.94	-2.98e-04
		1	20	0.0	4.53	1.07	-804.83	-5.73	-5.07	-3.22e-04
		1	21	0.0	4.48	1.04	-804.70	-5.65	-4.93	-2.98e-04
		1	22	0.0	5.77	0.86	-794.84	-5.17	-7.33	-3.06e-04
		1	23	0.0	36.77	0.20	-652.70	-2.39	-71.63	-4.01e-04
		1	24	0.0	5.01	0.91	-800.22	-5.31	-5.91	-2.95e-04
2238	PALO D 100.00	1	1	0.0	5.64	0.22	-1087.75	-2.22	-6.96	-1.86e-04
		1	2	0.0	5.56	0.23	-1088.42	-2.24	-6.80	-1.85e-04
		1	3	0.0	4.69	0.33	-1095.55	-2.51	-5.23	-1.84e-04
		1	4	0.0	5.57	0.28	-1088.60	-2.37	-6.85	-1.93e-04
		1	5	0.0	5.55	0.27	-1088.84	-2.37	-6.83	-1.99e-04
		1	6	0.0	2.62	0.77	-1113.33	-3.61	-1.53	-1.96e-04
		1	7	0.0	4.58	1.35	-1099.91	-4.84	-5.05	-1.94e-04
		1	8	0.0	6.77	1.63	-1179.70	-4.93	-9.38	-3.72e-04
		1	9	0.0	0.51	0.29	-1304.13	-1.05	3.38	-1.23e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	5.63	0.22	-1087.80	-2.23	-6.94	-1.86e-04
		1	11	0.0	5.55	0.23	-1088.48	-2.25	-6.79	-1.85e-04
		1	12	0.0	5.47	0.24	-1089.11	-2.27	-6.65	-1.86e-04
		1	13	0.0	7.14	0.04	-1075.49	-1.77	-9.67	-1.90e-04
		1	14	0.0	7.24	0.02	-1074.73	-1.73	-9.86	-1.94e-04
		1	15	0.0	4.41	0.43	-1098.12	-2.75	-4.75	-1.90e-04
		1	16	0.0	8.48	0.05	-1065.56	-1.77	-12.14	-2.14e-04
		1	17	0.0	10.67	0.43	-1138.25	-2.46	-16.39	-3.30e-04
		1	18	0.0	5.03	0.19	-1256.62	-1.69	-5.09	-1.86e-04
		1	19	0.0	4.26	0.16	-836.63	-1.70	-5.21	-1.42e-04
		1	20	0.0	4.26	0.20	-836.94	-1.80	-5.23	-1.52e-04
		1	21	0.0	4.26	0.17	-836.68	-1.71	-5.20	-1.42e-04
		1	22	0.0	5.51	0.01	-826.49	-1.32	-7.48	-1.49e-04
		1	23	0.0	36.03	-0.32	-673.48	-0.01	-70.24	-2.32e-04
		1	24	0.0	4.78	0.05	-832.18	-1.41	-6.15	-1.42e-04
2239	PALO D 100.00	1	1	0.0	5.16	-0.50	-1103.37	0.83	-6.58	-3.17e-04
		1	2	0.0	5.08	-0.50	-1104.05	0.82	-6.43	-3.16e-04
		1	3	0.0	4.22	-0.40	-1111.15	0.59	-4.89	-3.13e-04
		1	4	0.0	5.06	-0.45	-1104.23	0.69	-6.40	-3.29e-04
		1	5	0.0	5.01	-0.45	-1104.65	0.70	-6.32	-3.40e-04
		1	6	0.0	2.11	0.01	-1128.58	-0.41	-1.14	-3.29e-04
		1	7	0.0	4.08	0.61	-1112.49	-1.73	-4.64	-3.30e-04
		1	8	0.0	5.57	0.82	-1183.14	-1.51	-7.47	-6.37e-04
		1	9	0.0	0.47	-0.71	-1298.03	3.15	2.37	-2.00e-04
		1	10	0.0	5.15	-0.50	-1103.42	0.83	-6.57	-3.17e-04
		1	11	0.0	5.07	-0.50	-1104.09	0.81	-6.42	-3.16e-04
		1	12	0.0	5.00	-0.49	-1104.73	0.79	-6.28	-3.16e-04
		1	13	0.0	6.64	-0.66	-1091.18	1.21	-9.22	-3.26e-04
		1	14	0.0	6.72	-0.68	-1090.55	1.25	-9.36	-3.33e-04
		1	15	0.0	3.92	-0.31	-1113.64	0.36	-4.36	-3.22e-04
		1	16	0.0	7.86	-0.65	-1081.28	1.16	-11.41	-3.69e-04
		1	17	0.0	9.60	-0.32	-1149.44	0.73	-14.70	-5.70e-04
		1	18	0.0	4.64	-0.75	-1263.68	2.25	-5.16	-3.13e-04
		1	19	0.0	3.90	-0.39	-848.67	0.65	-4.93	-2.43e-04
		1	20	0.0	3.85	-0.36	-849.11	0.56	-4.84	-2.60e-04
		1	21	0.0	3.89	-0.39	-848.70	0.65	-4.92	-2.42e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	5.11	-0.53	-838.67	0.97	-7.10	-2.55e-04
		1	23	0.0	35.17	-0.67	-681.62	1.48	-68.66	-4.25e-04
		1	24	0.0	4.41	-0.51	-844.39	0.92	-5.85	-2.43e-04
2240	PALO D 100.00	1	1	0.0	4.60	-1.02	-1106.43	2.90	-5.79	-1.75e-04
		1	2	0.0	4.52	-1.01	-1107.09	2.89	-5.65	-1.74e-04
		1	3	0.0	3.67	-0.93	-1113.98	2.70	-4.12	-1.72e-04
		1	4	0.0	4.47	-0.96	-1107.27	2.76	-5.55	-1.82e-04
		1	5	0.0	4.40	-0.97	-1107.86	2.77	-5.40	-1.87e-04
		1	6	0.0	1.52	-0.53	-1130.59	1.79	-0.23	-1.79e-04
		1	7	0.0	3.49	0.09	-1112.23	0.39	-3.77	-1.81e-04
		1	8	0.0	4.27	0.25	-1172.57	0.77	-5.08	-3.51e-04
		1	9	0.0	0.31	-1.39	-1274.69	5.89	2.02	-1.04e-04
		1	10	0.0	4.60	-1.02	-1106.47	2.89	-5.78	-1.75e-04
		1	11	0.0	4.52	-1.01	-1107.12	2.88	-5.64	-1.74e-04
		1	12	0.0	4.44	-1.00	-1107.75	2.86	-5.50	-1.74e-04
		1	13	0.0	6.07	-1.16	-1094.63	3.22	-8.41	-1.81e-04
		1	14	0.0	6.12	-1.18	-1094.16	3.25	-8.51	-1.85e-04
		1	15	0.0	3.35	-0.84	-1116.32	2.48	-3.53	-1.77e-04
		1	16	0.0	7.18	-1.13	-1085.04	3.11	-10.38	-2.06e-04
		1	17	0.0	8.46	-0.85	-1147.60	2.85	-12.69	-3.18e-04
		1	18	0.0	4.18	-1.42	-1254.18	4.96	-4.79	-1.70e-04
		1	19	0.0	3.47	-0.79	-851.02	2.24	-4.33	-1.34e-04
		1	20	0.0	3.38	-0.76	-851.59	2.16	-4.14	-1.43e-04
		1	21	0.0	3.47	-0.79	-851.05	2.24	-4.33	-1.34e-04
		1	22	0.0	4.66	-0.91	-841.45	2.51	-6.45	-1.42e-04
		1	23	0.0	34.35	-0.88	-683.97	2.31	-67.32	-2.53e-04
		1	24	0.0	3.99	-0.90	-847.04	2.49	-5.26	-1.35e-04
2241	PALO D 100.00	1	1	0.0	3.82	-1.69	-1092.77	5.86	-4.03	-5.12e-04
		1	2	0.0	3.74	-1.69	-1093.40	5.86	-3.89	-5.10e-04
		1	3	0.0	2.88	-1.61	-1099.87	5.70	-2.32	-4.99e-04
		1	4	0.0	3.66	-1.64	-1093.55	5.73	-3.70	-5.27e-04
		1	5	0.0	3.55	-1.65	-1094.29	5.75	-3.48	-5.41e-04
		1	6	0.0	0.67	-1.24	-1115.15	4.87	1.79	-5.04e-04
		1	7	0.0	2.66	-0.60	-1094.95	3.40	-1.86	-5.20e-04
		1	8	0.0	2.69	-0.45	-1144.35	3.85	-1.46	-9.42e-04
		1	9	0.0	-0.15	-2.11	-1232.45	9.00	3.00	-3.16e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	3.81	-1.69	-1092.80	5.86	-4.02	-5.12e-04
		1	11	0.0	3.73	-1.69	-1093.41	5.85	-3.88	-5.10e-04
		1	12	0.0	3.65	-1.68	-1094.00	5.83	-3.73	-5.10e-04
		1	13	0.0	5.27	-1.83	-1081.69	6.13	-6.68	-5.36e-04
		1	14	0.0	5.31	-1.85	-1081.38	6.16	-6.73	-5.47e-04
		1	15	0.0	2.54	-1.52	-1101.99	5.50	-1.66	-5.09e-04
		1	16	0.0	6.29	-1.79	-1072.63	5.99	-8.44	-6.04e-04
		1	17	0.0	7.08	-1.54	-1128.70	5.86	-9.67	-8.87e-04
		1	18	0.0	3.45	-2.16	-1225.57	8.15	-3.24	-5.03e-04
		1	19	0.0	2.87	-1.31	-840.51	4.53	-2.98	-3.91e-04
		1	20	0.0	2.73	-1.28	-841.17	4.44	-2.68	-4.14e-04
		1	21	0.0	2.87	-1.31	-840.52	4.52	-2.97	-3.91e-04
		1	22	0.0	4.03	-1.42	-831.61	4.75	-5.09	-4.18e-04
		1	23	0.0	33.44	-1.27	-677.17	4.03	-65.86	-7.90e-04
		1	24	0.0	3.39	-1.41	-836.93	4.75	-3.93	-3.97e-04
2242	PALO D 100.00	1	1	0.0	19.73	-0.19	-1002.81	-1.87	-71.10	-3.20e-04
		1	2	0.0	19.63	-0.19	-1002.69	-1.89	-70.91	-3.20e-04
		1	3	0.0	18.69	-0.08	-1001.56	-2.15	-69.03	-3.22e-04
		1	4	0.0	19.68	-0.17	-1002.77	-1.93	-71.03	-3.34e-04
		1	5	0.0	19.67	-0.21	-1002.48	-1.84	-71.04	-3.47e-04
		1	6	0.0	16.52	0.29	-999.48	-3.04	-64.74	-3.54e-04
		1	7	0.0	18.69	0.90	-1006.76	-4.37	-69.20	-3.41e-04
		1	8	0.0	23.12	0.42	-1092.12	-2.66	-82.46	-6.78e-04
		1	9	0.0	16.95	0.31	-1165.17	-2.04	-72.28	-2.16e-04
		1	10	0.0	19.72	-0.19	-1002.82	-1.88	-71.08	-3.20e-04
		1	11	0.0	19.63	-0.18	-1002.70	-1.90	-70.90	-3.19e-04
		1	12	0.0	19.55	-0.17	-1002.60	-1.92	-70.74	-3.20e-04
		1	13	0.0	21.36	-0.38	-1004.74	-1.42	-74.37	-3.20e-04
		1	14	0.0	21.47	-0.42	-1004.67	-1.33	-74.62	-3.28e-04
		1	15	0.0	18.42	-0.01	-1001.36	-2.31	-68.51	-3.34e-04
		1	16	0.0	22.88	-0.48	-1006.71	-1.16	-77.52	-3.61e-04
		1	17	0.0	26.97	-0.58	-1083.42	-0.69	-89.60	-5.78e-04
		1	18	0.0	21.72	-0.12	-1148.89	-1.77	-81.41	-3.19e-04
		1	19	0.0	15.08	-0.15	-770.70	-1.43	-54.47	-2.45e-04
		1	20	0.0	15.11	-0.17	-770.55	-1.40	-54.56	-2.65e-04
		1	21	0.0	15.07	-0.15	-770.72	-1.44	-54.46	-2.45e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	16.44	-0.32	-772.17	-1.02	-57.22	-2.52e-04
		1	23	0.0	48.78	-0.96	-804.58	0.85	-127.84	-3.28e-04
		1	24	0.0	15.64	-0.27	-771.10	-1.16	-55.58	-2.43e-04
2243	PALO D 100.00	1	1	0.0	19.16	-0.92	-1025.99	1.26	-70.32	-1.45e-04
		1	2	0.0	19.07	-0.91	-1025.86	1.24	-70.14	-1.44e-04
		1	3	0.0	18.13	-0.81	-1024.61	0.99	-68.28	-1.43e-04
		1	4	0.0	19.08	-0.89	-1025.88	1.20	-70.18	-1.50e-04
		1	5	0.0	19.04	-0.93	-1025.70	1.29	-70.12	-1.55e-04
		1	6	0.0	15.91	-0.44	-1021.87	0.12	-63.89	-1.52e-04
		1	7	0.0	18.06	0.17	-1026.95	-1.27	-68.24	-1.51e-04
		1	8	0.0	21.64	-0.39	-1103.78	0.85	-79.28	-2.89e-04
		1	9	0.0	16.54	-0.60	-1170.76	1.89	-71.66	-9.60e-05
		1	10	0.0	19.15	-0.92	-1025.98	1.25	-70.31	-1.45e-04
		1	11	0.0	19.06	-0.91	-1025.86	1.23	-70.13	-1.44e-04
		1	12	0.0	18.98	-0.90	-1025.75	1.21	-69.97	-1.44e-04
		1	13	0.0	20.76	-1.10	-1028.13	1.69	-73.54	-1.48e-04
		1	14	0.0	20.86	-1.14	-1028.16	1.79	-73.74	-1.51e-04
		1	15	0.0	17.83	-0.74	-1024.26	0.83	-67.70	-1.48e-04
		1	16	0.0	22.18	-1.20	-1030.08	1.95	-76.40	-1.67e-04
		1	17	0.0	25.73	-1.37	-1102.74	2.72	-87.13	-2.57e-04
		1	18	0.0	21.13	-0.99	-1166.16	1.97	-80.57	-1.45e-04
		1	19	0.0	14.64	-0.71	-788.54	0.97	-53.88	-1.11e-04
		1	20	0.0	14.63	-0.72	-788.43	1.00	-53.87	-1.19e-04
		1	21	0.0	14.64	-0.70	-788.55	0.96	-53.87	-1.11e-04
		1	22	0.0	15.98	-0.88	-790.25	1.38	-56.55	-1.16e-04
		1	23	0.0	47.88	-1.45	-819.99	2.95	-125.92	-1.81e-04
		1	24	0.0	15.20	-0.82	-789.16	1.24	-54.99	-1.11e-04
2244	PALO D 100.00	1	1	0.0	18.44	-1.53	-1032.25	3.80	-68.84	-2.46e-04
		1	2	0.0	18.35	-1.53	-1032.13	3.78	-68.67	-2.45e-04
		1	3	0.0	17.43	-1.42	-1030.77	3.53	-66.82	-2.43e-04
		1	4	0.0	18.33	-1.51	-1032.09	3.74	-68.62	-2.55e-04
		1	5	0.0	18.27	-1.55	-1032.01	3.83	-68.51	-2.64e-04
		1	6	0.0	15.16	-1.04	-1027.42	2.62	-62.30	-2.56e-04
		1	7	0.0	17.27	-0.43	-1030.42	1.25	-66.50	-2.56e-04
		1	8	0.0	19.95	-1.06	-1096.80	3.62	-75.10	-4.96e-04
		1	9	0.0	15.86	-1.36	-1155.73	4.99	-69.69	-1.55e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	18.43	-1.53	-1032.24	3.80	-68.83	-2.46e-04
		1	11	0.0	18.35	-1.52	-1032.12	3.77	-68.66	-2.45e-04
		1	12	0.0	18.26	-1.51	-1031.99	3.75	-68.49	-2.46e-04
		1	13	0.0	20.03	-1.72	-1034.58	4.25	-72.01	-2.53e-04
		1	14	0.0	20.11	-1.76	-1034.70	4.35	-72.17	-2.59e-04
		1	15	0.0	17.10	-1.35	-1030.28	3.36	-66.18	-2.50e-04
		1	16	0.0	21.33	-1.82	-1036.50	4.52	-74.61	-2.86e-04
		1	17	0.0	24.31	-2.05	-1103.50	5.54	-83.82	-4.43e-04
		1	18	0.0	20.32	-1.76	-1163.04	5.17	-78.65	-2.43e-04
		1	19	0.0	14.10	-1.18	-793.38	2.93	-52.75	-1.88e-04
		1	20	0.0	14.04	-1.20	-793.30	2.96	-52.64	-2.02e-04
		1	21	0.0	14.09	-1.18	-793.38	2.92	-52.75	-1.88e-04
		1	22	0.0	15.40	-1.35	-795.29	3.35	-55.35	-1.98e-04
		1	23	0.0	46.84	-1.96	-822.66	5.07	-123.50	-3.28e-04
		1	24	0.0	14.65	-1.30	-794.21	3.21	-53.86	-1.89e-04
2245	PALO D 100.00	1	1	0.0	18.11	-2.24	-1023.98	6.78	-69.10	-1.44e-04
		1	2	0.0	18.02	-2.23	-1023.86	6.76	-68.93	-1.44e-04
		1	3	0.0	17.10	-2.12	-1022.49	6.48	-67.08	-1.41e-04
		1	4	0.0	17.97	-2.21	-1023.77	6.72	-68.80	-1.49e-04
		1	5	0.0	17.88	-2.25	-1023.79	6.81	-68.63	-1.54e-04
		1	6	0.0	14.77	-1.73	-1018.77	5.51	-62.36	-1.47e-04
		1	7	0.0	16.86	-1.13	-1019.51	4.20	-66.46	-1.49e-04
		1	8	0.0	18.64	-1.81	-1074.42	6.75	-72.65	-2.90e-04
		1	9	0.0	15.54	-2.15	-1123.88	8.32	-69.30	-8.49e-05
		1	10	0.0	18.10	-2.24	-1023.96	6.77	-69.09	-1.44e-04
		1	11	0.0	18.02	-2.23	-1023.84	6.75	-68.92	-1.43e-04
		1	12	0.0	17.93	-2.22	-1023.72	6.73	-68.75	-1.43e-04
		1	13	0.0	19.68	-2.43	-1026.33	7.27	-72.27	-1.49e-04
		1	14	0.0	19.75	-2.47	-1026.53	7.37	-72.39	-1.53e-04
		1	15	0.0	16.75	-2.05	-1021.90	6.30	-66.36	-1.45e-04
		1	16	0.0	20.88	-2.54	-1028.09	7.57	-74.63	-1.70e-04
		1	17	0.0	23.30	-2.83	-1088.25	8.83	-82.40	-2.63e-04
		1	18	0.0	19.90	-2.62	-1142.05	8.76	-78.45	-1.40e-04
		1	19	0.0	13.85	-1.72	-787.05	5.22	-52.96	-1.10e-04
		1	20	0.0	13.74	-1.74	-786.99	5.25	-52.74	-1.18e-04
		1	21	0.0	13.84	-1.72	-787.03	5.21	-52.95	-1.10e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	15.12	-1.90	-789.02	5.67	-55.52	-1.17e-04
		1	23	0.0	46.17	-2.62	-812.21	7.90	-122.89	-2.08e-04
		1	24	0.0	14.41	-1.84	-788.01	5.51	-54.09	-1.11e-04
2246	PALO D 100.00	1	1	0.0	17.95	-3.54	-988.16	12.61	-70.13	-4.28e-04
		1	2	0.0	17.87	-3.53	-988.07	12.59	-69.96	-4.26e-04
		1	3	0.0	16.94	-3.41	-986.89	12.27	-68.07	-4.17e-04
		1	4	0.0	17.77	-3.51	-987.94	12.55	-69.75	-4.40e-04
		1	5	0.0	17.67	-3.55	-988.09	12.63	-69.51	-4.52e-04
		1	6	0.0	14.54	-3.00	-983.30	11.21	-63.08	-4.21e-04
		1	7	0.0	16.62	-2.42	-981.27	9.99	-67.19	-4.34e-04
		1	8	0.0	17.52	-3.13	-1023.77	12.68	-71.05	-7.86e-04
		1	9	0.0	15.45	-3.48	-1063.30	14.26	-69.85	-2.64e-04
		1	10	0.0	17.94	-3.54	-988.14	12.61	-70.12	-4.27e-04
		1	11	0.0	17.86	-3.52	-988.03	12.58	-69.95	-4.26e-04
		1	12	0.0	17.77	-3.52	-987.94	12.55	-69.77	-4.26e-04
		1	13	0.0	19.52	-3.75	-990.19	13.17	-73.34	-4.48e-04
		1	14	0.0	19.57	-3.79	-990.46	13.27	-73.43	-4.57e-04
		1	15	0.0	16.56	-3.33	-986.26	12.08	-67.27	-4.25e-04
		1	16	0.0	20.62	-3.87	-991.55	13.51	-75.51	-5.05e-04
		1	17	0.0	22.49	-4.23	-1043.20	15.09	-81.92	-7.40e-04
		1	18	0.0	19.70	-4.05	-1090.21	15.15	-79.22	-4.21e-04
		1	19	0.0	13.73	-2.72	-759.55	9.70	-53.76	-3.27e-04
		1	20	0.0	13.58	-2.73	-759.56	9.72	-53.42	-3.46e-04
		1	21	0.0	13.72	-2.72	-759.53	9.69	-53.75	-3.27e-04
		1	22	0.0	14.99	-2.91	-761.32	10.20	-56.33	-3.50e-04
		1	23	0.0	45.74	-3.82	-776.05	13.27	-123.55	-6.62e-04
		1	24	0.0	14.29	-2.85	-760.54	10.01	-54.93	-3.32e-04
2263	PALO D 100.00	1	1	0.0	-17.29	5.41	-1466.60	-16.28	55.84	-9.85e-04
		1	2	0.0	-11.06	5.20	-1557.40	-15.19	41.82	-1.58e-03
		1	3	0.0	-14.31	3.71	-1676.65	-11.16	46.83	-9.65e-04
		1	4	0.0	-26.21	2.33	-1605.79	-7.88	83.76	-5.80e-04
		1	5	0.0	-27.09	3.06	-1561.09	-10.44	78.70	-7.11e-04
		1	6	0.0	-19.23	3.49	-1470.98	-11.99	58.37	-1.04e-03
		1	7	0.0	-14.22	3.80	-1436.00	-12.42	51.25	-9.35e-04
		1	8	0.0	-15.87	4.03	-1449.53	-13.06	53.58	-9.86e-04
		1	9	0.0	-15.78	4.03	-1449.14	-13.06	53.38	-1.00e-03

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-17.39	4.18	-1460.56	-13.46	55.91	-9.67e-04
		1	11	0.0	-11.73	3.68	-1538.77	-12.08	43.07	-1.37e-03
		1	12	0.0	-9.39	3.62	-1620.78	-11.69	38.30	-1.15e-03
		1	13	0.0	-21.09	4.45	-1561.70	-13.47	74.85	-8.43e-04
		1	14	0.0	-22.66	4.57	-1529.03	-14.19	71.40	-8.84e-04
		1	15	0.0	-16.01	4.03	-1450.08	-13.06	53.86	-9.64e-04
		1	16	0.0	-12.64	3.59	-1423.38	-11.87	48.99	-8.99e-04
		1	17	0.0	-14.39	3.83	-1437.59	-12.52	51.48	-9.46e-04
		1	18	0.0	-14.33	3.82	-1437.32	-12.49	51.33	-9.61e-04
		1	19	0.0	-8.56	3.93	-1193.06	-11.53	32.34	-1.20e-03
		1	20	0.0	-20.44	2.34	-1195.78	-8.01	59.65	-5.54e-04
		1	21	0.0	-9.06	2.80	-1179.25	-9.23	33.26	-1.04e-03
		1	22	0.0	-17.16	3.46	-1172.04	-10.79	54.25	-6.81e-04
		1	23	0.0	27.57	3.16	-916.98	-8.85	-29.32	-4.61e-04
		1	24	0.0	-10.83	2.73	-1102.13	-9.11	39.15	-7.37e-04
2266	PALO D 100.00	1	1	0.0	-18.17	5.07	-1497.12	-14.89	57.36	-2.71e-04
		1	2	0.0	-12.62	4.82	-1581.73	-13.61	44.85	-4.44e-04
		1	3	0.0	-14.98	3.23	-1697.17	-9.13	47.52	-2.57e-04
		1	4	0.0	-26.50	1.90	-1628.56	-6.09	83.72	-1.57e-04
		1	5	0.0	-27.56	2.64	-1591.44	-8.67	79.14	-1.88e-04
		1	6	0.0	-20.18	3.12	-1506.71	-10.46	60.06	-2.85e-04
		1	7	0.0	-15.07	3.47	-1468.43	-11.07	52.76	-2.61e-04
		1	8	0.0	-16.77	3.69	-1482.41	-11.66	55.19	-2.73e-04
		1	9	0.0	-16.70	3.69	-1482.04	-11.66	55.04	-2.78e-04
		1	10	0.0	-18.25	3.83	-1493.68	-12.02	57.41	-2.66e-04
		1	11	0.0	-13.06	3.29	-1570.44	-10.46	45.59	-3.83e-04
		1	12	0.0	-10.38	3.19	-1649.69	-9.88	39.90	-3.16e-04
		1	13	0.0	-21.79	4.09	-1588.29	-12.00	75.91	-2.40e-04
		1	14	0.0	-23.40	4.20	-1559.56	-12.66	72.56	-2.44e-04
		1	15	0.0	-16.88	3.69	-1482.91	-11.66	55.40	-2.67e-04
		1	16	0.0	-13.46	3.27	-1455.40	-10.55	50.44	-2.53e-04
		1	17	0.0	-15.26	3.51	-1470.06	-11.16	53.02	-2.64e-04
		1	18	0.0	-15.21	3.49	-1469.87	-11.13	52.92	-2.68e-04
		1	19	0.0	-9.74	3.64	-1212.03	-10.33	34.63	-3.36e-04
		1	20	0.0	-20.81	2.02	-1219.22	-6.67	60.03	-1.47e-04
		1	21	0.0	-10.07	2.50	-1203.66	-7.99	35.17	-2.91e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	-17.73	3.18	-1195.60	-9.62	55.15	-1.88e-04
		1	23	0.0	27.06	3.09	-929.77	-8.63	-28.29	-1.56e-04
		1	24	0.0	-11.51	2.47	-1127.49	-8.06	40.37	-2.06e-04
2280	PALO D 100.00	1	1	0.0	-21.04	2.58	-1507.48	-4.43	62.37	-2.60e-04
		1	2	0.0	-17.61	2.15	-1564.44	-2.42	54.38	-4.30e-04
		1	3	0.0	-17.18	0.29	-1654.38	3.18	49.99	-2.37e-04
		1	4	0.0	-27.45	-0.86	-1601.51	5.44	83.33	-1.51e-04
		1	5	0.0	-29.13	-0.03	-1592.13	2.48	80.78	-1.73e-04
		1	6	0.0	-23.29	0.59	-1531.52	0.13	65.84	-2.69e-04
		1	7	0.0	-17.87	1.02	-1486.62	-0.82	57.73	-2.55e-04
		1	8	0.0	-19.73	1.22	-1500.84	-1.29	60.51	-2.64e-04
		1	9	0.0	-19.72	1.22	-1500.62	-1.30	60.53	-2.69e-04
		1	10	0.0	-21.09	1.34	-1511.86	-1.56	62.45	-2.54e-04
		1	11	0.0	-17.35	0.62	-1576.72	0.73	53.78	-3.69e-04
		1	12	0.0	-13.63	0.30	-1638.76	2.19	45.28	-3.05e-04
		1	13	0.0	-24.05	1.37	-1579.08	-0.67	78.93	-2.39e-04
		1	14	0.0	-25.82	1.60	-1565.40	-1.78	76.31	-2.36e-04
		1	15	0.0	-19.74	1.22	-1501.15	-1.29	60.50	-2.58e-04
		1	16	0.0	-16.17	0.86	-1473.42	-0.42	55.18	-2.49e-04
		1	17	0.0	-18.09	1.06	-1488.26	-0.90	58.07	-2.57e-04
		1	18	0.0	-18.12	1.04	-1488.32	-0.87	58.13	-2.62e-04
		1	19	0.0	-13.52	1.60	-1199.88	-1.75	41.84	-3.26e-04
		1	20	0.0	-22.06	-0.02	-1220.39	1.87	61.39	-1.36e-04
		1	21	0.0	-13.33	0.46	-1208.97	0.58	41.40	-2.81e-04
		1	22	0.0	-19.60	1.19	-1200.59	-1.27	58.09	-1.82e-04
		1	23	0.0	25.37	1.59	-922.99	-2.30	-25.88	-1.93e-04
		1	24	0.0	-13.75	0.59	-1142.83	-0.19	44.41	-2.01e-04
2302	PALO D 100.00	1	1	0.0	-22.01	2.85	-1491.39	-5.92	64.33	-8.86e-04
		1	2	0.0	-19.29	2.43	-1538.52	-3.96	57.96	-1.46e-03
		1	3	0.0	-18.00	0.61	-1619.31	1.41	51.45	-7.77e-04
		1	4	0.0	-27.83	-0.53	-1572.87	3.64	83.57	-5.44e-04
		1	5	0.0	-29.70	0.29	-1572.61	0.75	81.70	-5.89e-04
		1	6	0.0	-24.33	0.88	-1520.09	-1.48	68.02	-9.09e-04
		1	7	0.0	-18.81	1.31	-1473.50	-2.36	59.57	-8.83e-04
		1	8	0.0	-20.72	1.50	-1487.60	-2.84	62.51	-9.08e-04
		1	9	0.0	-20.74	1.50	-1487.42	-2.84	62.58	-9.25e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-22.05	1.62	-1498.41	-3.12	64.39	-8.67e-04
		1	11	0.0	-18.79	0.91	-1558.35	-0.89	56.82	-1.25e-03
		1	12	0.0	-14.76	0.61	-1613.60	0.47	47.50	-1.03e-03
		1	13	0.0	-24.83	1.67	-1555.53	-2.30	80.14	-8.61e-04
		1	14	0.0	-26.66	1.89	-1547.40	-3.37	77.84	-8.17e-04
		1	15	0.0	-20.71	1.50	-1487.86	-2.83	62.43	-8.84e-04
		1	16	0.0	-17.07	1.14	-1460.42	-1.94	56.92	-8.72e-04
		1	17	0.0	-19.05	1.34	-1475.12	-2.44	59.94	-8.90e-04
		1	18	0.0	-19.09	1.33	-1475.25	-2.41	60.05	-9.07e-04
		1	19	0.0	-14.79	1.81	-1180.37	-2.93	44.55	-1.11e-03
		1	20	0.0	-22.51	0.22	-1205.62	0.55	62.13	-4.62e-04
		1	21	0.0	-14.42	0.68	-1195.05	-0.66	43.70	-9.53e-04
		1	22	0.0	-20.25	1.41	-1186.94	-2.50	59.27	-6.31e-04
		1	23	0.0	24.83	1.75	-908.04	-3.14	-25.33	-7.77e-04
		1	24	0.0	-14.50	0.81	-1133.20	-1.38	45.89	-6.98e-04
2309	PALO D 100.00	1	1	0.0	-0.18	2.64	-1390.08	-7.02	-24.36	-9.85e-04
		1	2	0.0	7.23	1.22	-1481.42	-2.64	-44.14	-1.58e-03
		1	3	0.0	5.34	0.77	-1531.98	-0.95	-45.17	-9.65e-04
		1	4	0.0	-6.63	0.21	-1578.73	-0.14	-7.73	-5.80e-04
		1	5	0.0	-8.82	0.72	-1443.80	-2.09	-6.78	-7.11e-04
		1	6	0.0	-2.25	0.60	-1361.91	-2.38	-21.26	-1.04e-03
		1	7	0.0	2.84	1.14	-1407.98	-3.58	-28.70	-9.35e-04
		1	8	0.0	1.17	1.27	-1394.12	-3.88	-26.33	-9.86e-04
		1	9	0.0	1.27	1.24	-1394.39	-3.80	-26.52	-1.00e-03
		1	10	0.0	-0.34	1.44	-1383.01	-4.30	-24.00	-9.67e-04
		1	11	0.0	6.38	0.10	-1460.74	-0.57	-42.01	-1.37e-03
		1	12	0.0	9.94	0.38	-1539.16	-0.88	-52.32	-1.15e-03
		1	13	0.0	-1.74	1.88	-1596.85	-4.77	-15.73	-8.43e-04
		1	14	0.0	-4.48	1.94	-1469.83	-5.26	-13.77	-8.84e-04
		1	15	0.0	1.05	1.31	-1393.80	-3.98	-26.07	-9.64e-04
		1	16	0.0	4.43	1.02	-1420.91	-3.28	-31.00	-8.99e-04
		1	17	0.0	2.66	1.16	-1406.42	-3.62	-28.46	-9.46e-04
		1	18	0.0	2.72	1.11	-1406.38	-3.51	-28.60	-9.61e-04
		1	19	0.0	5.45	0.91	-1136.16	-1.99	-33.52	-1.20e-03
		1	20	0.0	-6.44	0.54	-1108.29	-1.58	-5.85	-5.54e-04
		1	21	0.0	4.83	0.07	-1120.84	-0.46	-31.94	-1.04e-03

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	-3.22	1.44	-1127.58	-3.93	-11.03	-6.81e-04
		1	23	0.0	40.96	1.77	-1305.53	-4.47	-91.92	-4.61e-04
		1	24	0.0	2.26	0.65	-1080.88	-2.23	-22.21	-7.37e-04
2312	PALO D 100.00	1	1	0.0	-1.14	2.93	-1398.33	-8.62	-22.63	-2.71e-04
		1	2	0.0	5.49	1.51	-1480.59	-4.20	-40.48	-4.44e-04
		1	3	0.0	4.43	1.07	-1525.24	-2.54	-43.54	-2.57e-04
		1	4	0.0	-7.14	0.50	-1578.29	-1.74	-6.99	-1.57e-04
		1	5	0.0	-9.41	1.00	-1450.38	-3.60	-5.99	-1.88e-04
		1	6	0.0	-3.25	0.87	-1374.72	-3.85	-19.51	-2.85e-04
		1	7	0.0	1.92	1.43	-1419.22	-5.13	-27.02	-2.61e-04
		1	8	0.0	0.21	1.55	-1405.17	-5.41	-24.58	-2.73e-04
		1	9	0.0	0.28	1.52	-1405.47	-5.34	-24.71	-2.78e-04
		1	10	0.0	-1.27	1.73	-1393.92	-5.84	-22.37	-2.66e-04
		1	11	0.0	4.94	0.37	-1467.73	-2.08	-39.13	-3.83e-04
		1	12	0.0	8.78	0.68	-1542.12	-2.50	-50.13	-3.16e-04
		1	13	0.0	-2.61	2.20	-1601.50	-6.51	-14.11	-2.40e-04
		1	14	0.0	-5.32	2.24	-1477.71	-6.87	-12.31	-2.44e-04
		1	15	0.0	0.11	1.60	-1404.83	-5.52	-24.38	-2.67e-04
		1	16	0.0	3.54	1.31	-1432.31	-4.85	-29.36	-2.53e-04
		1	17	0.0	1.73	1.45	-1417.62	-5.17	-26.76	-2.64e-04
		1	18	0.0	1.77	1.40	-1417.64	-5.06	-26.85	-2.68e-04
		1	19	0.0	4.14	1.13	-1135.92	-3.19	-30.76	-3.36e-04
		1	20	0.0	-6.90	0.75	-1113.54	-2.75	-5.21	-1.47e-04
		1	21	0.0	3.73	0.29	-1126.39	-1.62	-29.76	-2.91e-04
		1	22	0.0	-3.87	1.67	-1133.79	-5.16	-9.90	-1.88e-04
		1	23	0.0	40.28	2.06	-1309.45	-6.02	-90.27	-1.56e-04
		1	24	0.0	1.53	0.87	-1089.95	-3.41	-20.87	-2.06e-04
2372	PALO D 100.00	1	1	0.0	-4.11	0.65	-1368.87	0.98	-17.13	-2.60e-04
		1	2	0.0	-9.44e-03	-0.87	-1417.69	5.79	-28.55	-4.30e-04
		1	3	0.0	1.40	-1.42	-1440.24	7.84	-37.18	-2.37e-04
		1	4	0.0	-8.69	-2.17	-1509.09	9.47	-4.56	-1.51e-04
		1	5	0.0	-11.20	-1.40	-1410.83	6.47	-3.25	-1.73e-04
		1	6	0.0	-6.28	-1.38	-1359.32	5.61	-14.06	-2.69e-04
		1	7	0.0	-0.89	-0.91	-1397.69	4.68	-22.01	-2.55e-04
		1	8	0.0	-2.75	-0.76	-1383.58	4.28	-19.21	-2.64e-04
		1	9	0.0	-2.75	-0.79	-1383.89	4.36	-19.18	-2.69e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-4.11	-0.56	-1372.35	3.76	-17.28	-2.54e-04
		1	11	0.0	0.45	-2.02	-1429.60	7.95	-29.97	-3.69e-04
		1	12	0.0	5.10	-1.91	-1486.63	8.31	-42.71	-3.05e-04
		1	13	0.0	-5.24	-0.56	-1548.39	5.07	-9.33	-2.39e-04
		1	14	0.0	-7.91	-0.22	-1442.03	3.47	-7.76	-2.36e-04
		1	15	0.0	-2.76	-0.71	-1383.22	4.17	-19.23	-2.58e-04
		1	16	0.0	0.82	-1.06	-1410.80	5.08	-24.56	-2.49e-04
		1	17	0.0	-1.12	-0.89	-1396.03	4.63	-21.66	-2.57e-04
		1	18	0.0	-1.14	-0.93	-1396.18	4.74	-21.60	-2.62e-04
		1	19	0.0	-0.02	-0.70	-1088.89	4.49	-21.78	-3.26e-04
		1	20	0.0	-8.31	-1.09	-1083.81	4.99	-3.04	-1.36e-04
		1	21	0.0	0.32	-1.55	-1097.71	6.09	-22.83	-2.81e-04
		1	22	0.0	-5.87	-0.22	-1106.92	2.77	-6.38	-1.82e-04
		1	23	0.0	38.29	-0.12	-1272.79	3.08	-86.52	-1.93e-04
		1	24	0.0	-0.70	-0.93	-1074.63	4.14	-16.87	-2.01e-04
2375	PALO D 100.00	1	1	0.0	-5.00	0.36	-1334.71	2.17	-15.40	-8.86e-04
		1	2	0.0	-1.68	-1.15	-1372.97	6.91	-24.81	-1.46e-03
		1	3	0.0	0.53	-1.68	-1388.39	8.89	-35.28	-7.77e-04
		1	4	0.0	-9.09	-2.50	-1459.26	10.78	-4.01	-5.44e-04
		1	5	0.0	-11.71	-1.67	-1372.92	7.58	-2.44	-5.89e-04
		1	6	0.0	-7.20	-1.63	-1330.31	6.64	-12.26	-9.09e-04
		1	7	0.0	-1.74	-1.20	-1365.45	5.90	-20.44	-8.83e-04
		1	8	0.0	-3.65	-1.04	-1351.74	5.44	-17.50	-9.08e-04
		1	9	0.0	-3.67	-1.07	-1352.05	5.52	-17.43	-9.25e-04
		1	10	0.0	-4.96	-0.83	-1340.81	4.89	-15.65	-8.67e-04
		1	11	0.0	-0.92	-2.29	-1392.36	9.06	-27.05	-1.25e-03
		1	12	0.0	3.99	-2.20	-1442.44	9.49	-40.39	-1.03e-03
		1	13	0.0	-5.99	-0.94	-1501.86	6.62	-8.05	-8.61e-04
		1	14	0.0	-8.67	-0.54	-1404.11	4.77	-6.40	-8.17e-04
		1	15	0.0	-3.63	-0.99	-1351.37	5.33	-17.60	-8.84e-04
		1	16	0.0	9.78e-04	-1.36	-1378.19	6.35	-23.08	-8.72e-04
		1	17	0.0	-1.97	-1.18	-1363.82	5.84	-20.07	-8.90e-04
		1	18	0.0	-2.02	-1.23	-1364.02	5.95	-19.95	-9.07e-04
		1	19	0.0	-1.28	-0.91	-1054.92	5.35	-18.96	-1.11e-03
		1	20	0.0	-8.71	-1.30	-1054.89	5.84	-2.39	-4.62e-04
		1	21	0.0	-0.72	-1.76	-1069.28	6.94	-20.62	-9.53e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	-6.45	-0.46	-1077.99	3.76	-5.33	-6.31e-04
		1	23	0.0	37.70	-0.53	-1235.99	4.85	-85.68	-7.77e-04
		1	24	0.0	-1.38	-1.15	-1050.27	5.06	-15.61	-6.98e-04
2378	PALO D 100.00	1	1	0.0	-19.87	3.52	-1518.08	-8.46	59.72	-2.01e-03
		1	2	0.0	-15.70	3.15	-1585.37	-6.64	50.08	-3.35e-03
		1	3	0.0	-16.19	1.34	-1685.41	-1.29	47.94	-1.87e-03
		1	4	0.0	-26.94	0.14	-1626.17	1.19	82.56	-1.14e-03
		1	5	0.0	-28.40	0.95	-1606.80	-1.69	79.25	-1.34e-03
		1	6	0.0	-22.04	1.54	-1537.36	-3.91	62.91	-2.10e-03
		1	7	0.0	-16.73	1.95	-1494.29	-4.77	55.14	-1.96e-03
		1	8	0.0	-18.54	2.15	-1508.57	-5.28	57.78	-2.04e-03
		1	9	0.0	-18.51	2.16	-1508.30	-5.28	57.75	-2.08e-03
		1	10	0.0	-19.93	2.28	-1519.79	-5.57	59.80	-1.97e-03
		1	11	0.0	-15.68	1.61	-1589.65	-3.50	49.95	-2.87e-03
		1	12	0.0	-12.29	1.36	-1658.81	-2.29	42.32	-2.37e-03
		1	13	0.0	-23.11	2.38	-1597.59	-4.97	77.08	-1.82e-03
		1	14	0.0	-24.81	2.58	-1578.04	-5.93	74.12	-1.81e-03
		1	15	0.0	-18.58	2.15	-1508.95	-5.27	57.84	-1.99e-03
		1	16	0.0	-15.06	1.77	-1481.01	-4.33	52.70	-1.91e-03
		1	17	0.0	-16.94	1.99	-1495.94	-4.86	55.45	-1.98e-03
		1	18	0.0	-16.94	1.97	-1495.91	-4.83	55.46	-2.02e-03
		1	19	0.0	-12.07	2.36	-1215.54	-4.99	38.58	-2.54e-03
		1	20	0.0	-21.48	0.73	-1231.42	-1.32	60.19	-1.05e-03
		1	21	0.0	-12.06	1.22	-1218.72	-2.66	38.48	-2.18e-03
		1	22	0.0	-18.82	1.94	-1210.12	-4.46	56.39	-1.40e-03
		1	23	0.0	26.07	2.21	-934.15	-4.94	-27.17	-1.39e-03
		1	24	0.0	-12.85	1.31	-1148.26	-3.22	42.35	-1.55e-03
2382	PALO D 100.00	1	1	0.0	-2.33	2.06	-1401.40	-4.90	-19.95	-2.05e-03
		1	2	0.0	3.46	0.58	-1472.91	-0.21	-35.67	-3.39e-03
		1	3	0.0	3.24	0.08	-1510.72	1.67	-40.72	-1.92e-03
		1	4	0.0	-7.88	-0.53	-1570.21	2.65	-5.18	-1.16e-03
		1	5	0.0	-10.21	0.07	-1450.75	0.36	-4.19	-1.39e-03
		1	6	0.0	-4.45	9.70e-04	-1382.41	-0.14	-16.87	-2.14e-03
		1	7	0.0	0.78	0.54	-1425.26	-1.34	-24.46	-1.98e-03
		1	8	0.0	-0.98	0.67	-1411.04	-1.65	-21.92	-2.07e-03
		1	9	0.0	-0.93	0.64	-1411.34	-1.57	-22.00	-2.11e-03

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-2.41	0.85	-1399.68	-2.10	-19.82	-2.01e-03
		1	11	0.0	3.24	-0.56	-1468.48	1.89	-35.25	-2.91e-03
		1	12	0.0	7.37	-0.33	-1538.15	1.77	-46.88	-2.40e-03
		1	13	0.0	-3.73	1.16	-1599.33	-2.09	-11.44	-1.83e-03
		1	14	0.0	-6.40	1.31	-1479.69	-2.87	-9.85	-1.84e-03
		1	15	0.0	-1.05	0.72	-1410.69	-1.76	-21.80	-2.02e-03
		1	16	0.0	2.42	0.41	-1438.49	-1.02	-26.85	-1.92e-03
		1	17	0.0	0.58	0.56	-1423.62	-1.38	-24.18	-2.00e-03
		1	18	0.0	0.60	0.51	-1423.68	-1.27	-24.21	-2.04e-03
		1	19	0.0	2.60	0.41	-1130.46	-0.12	-27.12	-2.56e-03
		1	20	0.0	-7.53	0.04	-1114.04	0.30	-3.81	-1.09e-03
		1	21	0.0	2.44	-0.43	-1127.18	1.43	-26.81	-2.21e-03
		1	22	0.0	-4.70	0.95	-1135.48	-2.09	-8.00	-1.42e-03
		1	23	0.0	39.44	1.28	-1309.06	-2.71	-88.12	-1.28e-03
		1	24	0.0	0.63	0.19	-1095.01	-0.49	-18.85	-1.56e-03
2383	PALO D 100.00	1	1	0.0	-19.14	4.05	-1515.59	-10.50	59.02	-2.05e-03
		1	2	0.0	-14.30	3.72	-1591.98	-8.86	48.00	-3.39e-03
		1	3	0.0	-15.70	1.99	-1700.56	-3.82	48.21	-1.92e-03
		1	4	0.0	-26.85	0.75	-1636.13	-1.16	83.71	-1.16e-03
		1	5	0.0	-28.11	1.52	-1607.67	-3.89	79.70	-1.39e-03
		1	6	0.0	-21.23	2.07	-1530.25	-5.98	61.96	-2.14e-03
		1	7	0.0	-16.02	2.47	-1489.26	-6.76	54.43	-1.98e-03
		1	8	0.0	-17.77	2.68	-1503.48	-7.30	56.96	-2.07e-03
		1	9	0.0	-17.72	2.68	-1503.16	-7.30	56.88	-2.11e-03
		1	10	0.0	-19.21	2.81	-1514.80	-7.62	59.08	-2.01e-03
		1	11	0.0	-14.50	2.18	-1588.61	-5.71	48.27	-2.91e-03
		1	12	0.0	-11.46	2.00	-1663.46	-4.77	41.61	-2.40e-03
		1	13	0.0	-22.59	2.99	-1601.56	-7.29	77.09	-1.83e-03
		1	14	0.0	-24.24	3.13	-1577.12	-8.07	73.87	-1.84e-03
		1	15	0.0	-17.85	2.68	-1503.93	-7.29	57.10	-2.02e-03
		1	16	0.0	-14.38	2.28	-1476.03	-6.29	52.05	-1.92e-03
		1	17	0.0	-16.22	2.50	-1490.92	-6.85	54.71	-2.00e-03
		1	18	0.0	-16.20	2.49	-1490.81	-6.82	54.67	-2.04e-03
		1	19	0.0	-11.01	2.80	-1220.25	-6.69	37.01	-2.56e-03
		1	20	0.0	-21.24	1.17	-1231.88	-3.01	60.50	-1.09e-03
		1	21	0.0	-11.16	1.66	-1217.76	-4.36	37.21	-2.21e-03

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	-18.37	2.36	-1209.24	-6.10	56.18	-1.42e-03
		1	23	0.0	26.50	2.50	-936.75	-6.09	-27.41	-1.28e-03
		1	24	0.0	-12.27	1.70	-1143.96	-4.75	41.73	-1.56e-03
2387	PALO D 100.00	1	1	0.0	-3.12	1.59	-1392.70	-3.07	-18.98	-2.01e-03
		1	2	0.0	1.85	0.08	-1453.23	1.69	-32.64	-3.35e-03
		1	3	0.0	2.44	-0.45	-1483.79	3.70	-39.47	-1.87e-03
		1	4	0.0	-8.19	-1.11	-1548.57	4.88	-5.26	-1.14e-03
		1	5	0.0	-10.62	-0.43	-1438.71	2.29	-4.13	-1.34e-03
		1	6	0.0	-5.26	-0.46	-1378.20	1.65	-15.91	-2.10e-03
		1	7	0.0	0.05	0.05	-1419.13	0.54	-23.67	-1.96e-03
		1	8	0.0	-1.76	0.19	-1404.87	0.20	-21.00	-2.04e-03
		1	9	0.0	-1.74	0.16	-1405.18	0.28	-21.03	-2.08e-03
		1	10	0.0	-3.16	0.38	-1393.51	-0.28	-18.99	-1.97e-03
		1	11	0.0	1.97	-1.05	-1456.88	3.81	-33.14	-2.87e-03
		1	12	0.0	6.36	-0.89	-1520.91	3.95	-45.35	-2.37e-03
		1	13	0.0	-4.38	0.56	-1583.04	0.26	-10.80	-1.82e-03
		1	14	0.0	-7.05	0.79	-1469.00	-0.87	-9.23	-1.81e-03
		1	15	0.0	-1.80	0.24	-1404.52	0.09	-20.95	-1.99e-03
		1	16	0.0	1.72	-0.08	-1432.39	0.89	-26.14	-1.91e-03
		1	17	0.0	-0.17	0.07	-1417.47	0.50	-23.36	-1.98e-03
		1	18	0.0	-0.17	0.03	-1417.57	0.61	-23.34	-2.02e-03
		1	19	0.0	1.39	0.03	-1115.76	1.34	-24.86	-2.54e-03
		1	20	0.0	-7.85	-0.35	-1105.00	1.78	-3.74	-1.05e-03
		1	21	0.0	1.48	-0.81	-1118.46	2.91	-25.22	-2.18e-03
		1	22	0.0	-5.21	0.56	-1127.44	-0.56	-7.51	-1.40e-03
		1	23	0.0	38.96	0.81	-1298.11	-0.88	-87.68	-1.39e-03
		1	24	0.0	0.04	-0.19	-1090.69	0.96	-18.20	-1.55e-03
2408	PALO D 100.00	1	1	0.0	25.00	-1.66	-601.50	2.80	-95.94	-1.26e-04
		1	2	0.0	24.90	-1.65	-600.95	2.77	-95.71	-1.25e-04
		1	3	0.0	23.87	-1.54	-595.24	2.50	-93.41	-1.26e-04
		1	4	0.0	24.93	-1.67	-600.93	2.82	-95.81	-1.31e-04
		1	5	0.0	24.92	-1.74	-600.49	2.98	-95.79	-1.36e-04
		1	6	0.0	21.48	-1.22	-581.79	1.72	-88.10	-1.39e-04
		1	7	0.0	23.85	-0.60	-597.65	0.31	-93.52	-1.34e-04
		1	8	0.0	28.74	-1.87	-640.82	4.00	-109.16	-2.66e-04
		1	9	0.0	22.69	-0.86	-641.97	1.76	-99.24	-8.58e-05

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	24.99	-1.66	-601.47	2.79	-95.92	-1.26e-04
		1	11	0.0	24.89	-1.65	-600.92	2.76	-95.69	-1.25e-04
		1	12	0.0	24.80	-1.64	-600.41	2.74	-95.49	-1.26e-04
		1	13	0.0	26.78	-1.86	-611.30	3.29	-99.92	-1.25e-04
		1	14	0.0	26.90	-1.93	-611.72	3.44	-100.20	-1.29e-04
		1	15	0.0	23.56	-1.50	-593.41	2.40	-92.74	-1.31e-04
		1	16	0.0	28.41	-2.08	-619.68	3.83	-103.63	-1.41e-04
		1	17	0.0	33.00	-2.74	-659.07	5.73	-118.19	-2.26e-04
		1	18	0.0	27.83	-1.66	-657.30	3.16	-110.17	-1.25e-04
		1	19	0.0	19.12	-1.28	-461.99	2.14	-73.53	-9.63e-05
		1	20	0.0	19.14	-1.34	-461.65	2.30	-73.59	-1.04e-04
		1	21	0.0	19.12	-1.27	-461.97	2.13	-73.51	-9.62e-05
		1	22	0.0	20.61	-1.48	-469.97	2.64	-76.85	-9.86e-05
		1	23	0.0	54.58	-2.48	-606.69	5.35	-155.24	-1.25e-04
		1	24	0.0	19.73	-1.40	-465.24	2.43	-74.88	-9.52e-05
2409	PALO D 100.00	1	1	0.0	24.22	-1.84	-617.66	3.55	-94.27	-4.38e-05
		1	2	0.0	24.12	-1.83	-617.10	3.53	-94.05	-4.37e-05
		1	3	0.0	23.10	-1.72	-611.27	3.26	-91.76	-4.35e-05
		1	4	0.0	24.12	-1.85	-617.01	3.57	-94.07	-4.55e-05
		1	5	0.0	24.09	-1.91	-616.63	3.75	-93.98	-4.70e-05
		1	6	0.0	20.65	-1.39	-597.21	2.49	-86.29	-4.65e-05
		1	7	0.0	23.00	-0.75	-611.64	0.95	-91.63	-4.59e-05
		1	8	0.0	26.99	-2.01	-648.33	4.57	-104.82	-8.86e-05
		1	9	0.0	21.97	-0.97	-645.94	2.20	-97.26	-2.90e-05
		1	10	0.0	24.21	-1.83	-617.62	3.54	-94.26	-4.38e-05
		1	11	0.0	24.11	-1.82	-617.07	3.51	-94.03	-4.37e-05
		1	12	0.0	24.02	-1.82	-616.54	3.50	-93.83	-4.37e-05
		1	13	0.0	25.98	-2.04	-627.66	4.04	-98.22	-4.45e-05
		1	14	0.0	26.09	-2.10	-628.15	4.19	-98.46	-4.56e-05
		1	15	0.0	22.76	-1.67	-609.30	3.16	-91.02	-4.49e-05
		1	16	0.0	27.51	-2.25	-636.01	4.57	-101.67	-5.02e-05
		1	17	0.0	31.53	-2.91	-672.03	6.44	-114.73	-7.81e-05
		1	18	0.0	26.97	-1.83	-668.88	3.84	-108.14	-4.37e-05
		1	19	0.0	18.53	-1.41	-474.43	2.73	-72.26	-3.35e-05
		1	20	0.0	18.50	-1.48	-474.08	2.89	-72.20	-3.60e-05
		1	21	0.0	18.52	-1.41	-474.40	2.72	-72.24	-3.35e-05

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	19.99	-1.61	-482.61	3.22	-75.52	-3.49e-05
		1	23	0.0	53.57	-2.56	-617.98	5.59	-152.92	-5.31e-05
		1	24	0.0	19.14	-1.53	-477.86	3.01	-73.62	-3.35e-05
2410	PALO D 100.00	1	1	0.0	23.40	-2.56	-619.44	6.79	-92.29	-2.46e-05
		1	2	0.0	23.30	-2.55	-618.88	6.76	-92.08	-2.45e-05
		1	3	0.0	22.28	-2.43	-613.01	6.46	-89.80	-2.43e-05
		1	4	0.0	23.27	-2.56	-618.73	6.80	-92.01	-2.55e-05
		1	5	0.0	23.21	-2.63	-618.36	6.97	-91.86	-2.64e-05
		1	6	0.0	19.78	-2.08	-598.57	5.60	-84.18	-2.56e-05
		1	7	0.0	22.10	-1.44	-611.91	4.10	-89.36	-2.56e-05
		1	8	0.0	25.13	-2.75	-641.80	7.86	-99.84	-4.93e-05
		1	9	0.0	21.09	-1.70	-636.21	5.50	-94.35	-1.56e-05
		1	10	0.0	23.39	-2.55	-619.40	6.78	-92.28	-2.46e-05
		1	11	0.0	23.29	-2.54	-618.85	6.74	-92.06	-2.45e-05
		1	12	0.0	23.20	-2.53	-618.32	6.73	-91.86	-2.45e-05
		1	13	0.0	25.14	-2.77	-629.52	7.33	-96.20	-2.53e-05
		1	14	0.0	25.23	-2.84	-630.02	7.49	-96.40	-2.59e-05
		1	15	0.0	21.92	-2.38	-610.93	6.34	-88.99	-2.50e-05
		1	16	0.0	26.56	-3.00	-637.71	7.91	-99.38	-2.86e-05
		1	17	0.0	29.97	-3.69	-669.78	9.97	-110.75	-4.42e-05
		1	18	0.0	25.99	-2.63	-665.04	7.44	-105.44	-2.43e-05
		1	19	0.0	17.90	-1.96	-475.82	5.21	-70.74	-1.88e-05
		1	20	0.0	17.83	-2.03	-475.43	5.37	-70.58	-2.02e-05
		1	21	0.0	17.90	-1.96	-475.79	5.20	-70.73	-1.88e-05
		1	22	0.0	19.33	-2.18	-484.07	5.75	-73.94	-1.98e-05
		1	23	0.0	52.45	-3.26	-617.62	8.70	-150.09	-3.28e-05
		1	24	0.0	18.51	-2.09	-479.36	5.52	-72.12	-1.89e-05
2411	PALO D 100.00	1	1	0.0	22.74	-3.54	-598.04	11.27	-91.01	-2.89e-05
		1	2	0.0	22.65	-3.53	-597.51	11.24	-90.80	-2.88e-05
		1	3	0.0	21.64	-3.40	-591.84	10.89	-88.54	-2.83e-05
		1	4	0.0	22.58	-3.55	-597.29	11.28	-90.65	-2.99e-05
		1	5	0.0	22.49	-3.61	-596.96	11.45	-90.45	-3.08e-05
		1	6	0.0	19.08	-3.02	-577.64	9.91	-82.77	-2.92e-05
		1	7	0.0	21.37	-2.42	-589.36	8.55	-87.79	-2.97e-05
		1	8	0.0	23.44	-3.78	-611.28	12.57	-95.57	-5.68e-05
		1	9	0.0	20.39	-2.76	-602.04	10.34	-92.13	-1.73e-05

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	22.74	-3.54	-598.00	11.26	-91.00	-2.88e-05
		1	11	0.0	22.64	-3.52	-597.47	11.23	-90.79	-2.87e-05
		1	12	0.0	22.55	-3.52	-596.96	11.20	-90.58	-2.87e-05
		1	13	0.0	24.47	-3.78	-607.77	11.90	-94.89	-2.99e-05
		1	14	0.0	24.53	-3.84	-608.28	12.06	-95.04	-3.06e-05
		1	15	0.0	21.25	-3.35	-589.75	10.76	-87.66	-2.90e-05
		1	16	0.0	25.77	-4.02	-615.48	12.55	-97.79	-3.40e-05
		1	17	0.0	28.57	-4.78	-642.12	14.92	-107.48	-5.19e-05
		1	18	0.0	25.19	-3.75	-635.01	12.55	-103.41	-2.81e-05
		1	19	0.0	17.40	-2.72	-459.40	8.66	-69.77	-2.21e-05
		1	20	0.0	17.29	-2.78	-458.99	8.81	-69.51	-2.36e-05
		1	21	0.0	17.39	-2.72	-459.37	8.65	-69.76	-2.20e-05
		1	22	0.0	18.80	-2.95	-467.37	9.26	-72.91	-2.34e-05
		1	23	0.0	51.41	-4.28	-594.33	13.28	-147.80	-4.23e-05
		1	24	0.0	18.01	-2.85	-462.89	8.99	-71.15	-2.22e-05
2412	PALO D 100.00	1	1	0.0	22.00	-4.36	-548.46	15.06	-89.19	-1.75e-04
		1	2	0.0	21.91	-4.35	-547.98	15.03	-88.99	-1.75e-04
		1	3	0.0	20.91	-4.21	-542.78	14.64	-86.74	-1.71e-04
		1	4	0.0	21.81	-4.36	-547.73	15.06	-88.75	-1.80e-04
		1	5	0.0	21.69	-4.43	-547.49	15.22	-88.49	-1.85e-04
		1	6	0.0	18.31	-3.82	-529.49	13.58	-80.86	-1.72e-04
		1	7	0.0	20.57	-3.25	-538.56	12.39	-85.76	-1.78e-04
		1	8	0.0	21.72	-4.66	-550.83	16.66	-90.99	-3.19e-04
		1	9	0.0	19.73	-3.70	-536.58	14.68	-89.87	-1.09e-04
		1	10	0.0	21.99	-4.36	-548.42	15.05	-89.18	-1.75e-04
		1	11	0.0	21.90	-4.34	-547.94	15.01	-88.98	-1.75e-04
		1	12	0.0	21.81	-4.33	-547.47	14.98	-88.77	-1.75e-04
		1	13	0.0	23.70	-4.61	-557.38	15.75	-93.01	-1.84e-04
		1	14	0.0	23.75	-4.67	-557.89	15.90	-93.12	-1.87e-04
		1	15	0.0	20.50	-4.15	-540.78	14.50	-85.81	-1.74e-04
		1	16	0.0	24.88	-4.86	-564.28	16.43	-95.63	-2.07e-04
		1	17	0.0	27.09	-5.69	-583.44	19.10	-103.69	-3.02e-04
		1	18	0.0	24.34	-4.70	-572.67	16.94	-101.01	-1.73e-04
		1	19	0.0	16.83	-3.35	-421.34	11.57	-68.38	-1.34e-04
		1	20	0.0	16.67	-3.41	-420.98	11.71	-68.01	-1.42e-04
		1	21	0.0	16.83	-3.34	-421.31	11.55	-68.37	-1.34e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	18.19	-3.59	-428.68	12.22	-71.44	-1.43e-04
		1	23	0.0	50.25	-5.13	-542.58	17.18	-144.92	-2.71e-04
		1	24	0.0	17.44	-3.48	-424.65	11.92	-69.76	-1.36e-04
2422	PALO D 100.00	1	1	0.0	12.40	-2.66	-1446.31	9.12	-48.71	-2.73e-04
		1	2	0.0	12.21	-2.68	-1445.01	9.17	-48.40	-2.76e-04
		1	3	0.0	10.37	-2.31	-1430.03	8.25	-45.68	-2.76e-04
		1	4	0.0	12.05	-1.68	-1441.35	6.87	-47.98	-2.93e-04
		1	5	0.0	16.53	-3.39	-1492.55	12.16	-60.05	-4.88e-04
		1	6	0.0	16.30	-3.50	-1501.44	13.08	-66.37	-2.40e-04
		1	7	0.0	5.95	-4.15	-1567.88	14.45	-33.37	-1.51e-04
		1	8	0.0	5.14	-3.73	-1481.91	12.33	-34.77	-1.84e-04
		1	9	0.0	9.59	-3.59	-1427.74	11.15	-44.74	-2.61e-04
		1	10	0.0	12.43	-2.66	-1446.33	9.12	-48.80	-2.67e-04
		1	11	0.0	12.27	-2.68	-1445.08	9.15	-48.56	-2.66e-04
		1	12	0.0	12.06	-2.61	-1443.51	8.98	-48.22	-2.71e-04
		1	13	0.0	15.46	-3.10	-1471.16	10.27	-53.13	-2.88e-04
		1	14	0.0	20.75	-4.10	-1531.23	13.40	-67.02	-4.17e-04
		1	15	0.0	19.87	-3.80	-1546.23	13.09	-71.69	-3.08e-04
		1	16	0.0	9.33	-2.49	-1607.15	9.96	-37.91	-2.58e-04
		1	17	0.0	8.49	-2.41	-1513.29	9.03	-39.29	-2.54e-04
		1	18	0.0	13.32	-2.73	-1453.07	9.29	-50.12	-2.62e-04
		1	19	0.0	9.40	-2.09	-1110.59	7.11	-37.21	-2.12e-04
		1	20	0.0	12.60	-2.62	-1145.81	9.33	-45.84	-3.69e-04
		1	21	0.0	9.45	-2.09	-1110.64	7.10	-37.33	-2.05e-04
		1	22	0.0	15.73	-3.14	-1174.46	10.25	-51.00	-3.17e-04
		1	23	0.0	48.91	-1.73	-1315.97	7.18	-107.30	-2.59e-04
		1	24	0.0	10.54	-2.38	-1119.89	7.81	-38.94	-2.08e-04
2425	PALO D 100.00	1	1	0.0	11.48	-2.98	-1413.26	10.42	-47.00	-9.65e-04
		1	2	0.0	11.27	-3.00	-1412.06	10.47	-46.66	-9.75e-04
		1	3	0.0	9.42	-2.62	-1397.11	9.51	-43.88	-9.68e-04
		1	4	0.0	11.04	-2.00	-1406.14	8.21	-46.02	-1.03e-03
		1	5	0.0	14.62	-3.70	-1446.74	13.42	-55.82	-1.69e-03
		1	6	0.0	15.43	-3.79	-1448.93	14.25	-64.52	-8.14e-04
		1	7	0.0	5.56	-4.50	-1517.34	15.89	-32.90	-5.71e-04
		1	8	0.0	4.61	-4.04	-1443.22	13.59	-33.96	-6.56e-04
		1	9	0.0	8.72	-3.88	-1398.09	12.34	-43.14	-9.11e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	11.54	-2.98	-1413.35	10.43	-47.15	-9.45e-04
		1	11	0.0	11.38	-3.00	-1412.22	10.46	-46.93	-9.40e-04
		1	12	0.0	11.15	-2.92	-1410.52	10.28	-46.52	-9.58e-04
		1	13	0.0	14.48	-3.44	-1437.50	11.65	-51.32	-1.03e-03
		1	14	0.0	19.19	-4.44	-1490.55	14.80	-63.75	-1.47e-03
		1	15	0.0	18.77	-4.12	-1501.04	14.41	-69.42	-1.07e-03
		1	16	0.0	8.50	-2.90	-1559.60	11.62	-36.50	-9.53e-04
		1	17	0.0	7.67	-2.77	-1474.15	10.49	-37.84	-9.13e-04
		1	18	0.0	12.45	-3.05	-1419.90	10.63	-48.54	-9.32e-04
		1	19	0.0	8.68	-2.33	-1085.32	8.11	-35.87	-7.49e-04
		1	20	0.0	11.17	-2.85	-1111.01	10.30	-42.66	-1.28e-03
		1	21	0.0	8.76	-2.33	-1085.44	8.10	-36.07	-7.23e-04
		1	22	0.0	14.55	-3.40	-1143.46	11.31	-48.53	-1.11e-03
		1	23	0.0	48.05	-2.17	-1278.31	9.02	-105.82	-1.02e-03
		1	24	0.0	9.85	-2.62	-1094.76	8.83	-37.68	-7.39e-04
2428	PALO D 100.00	1	1	0.0	-3.35	0.33	-1445.08	-0.74	28.22	-2.08e-03
		1	2	0.0	-3.53	0.33	-1446.49	-0.74	28.49	-2.11e-03
		1	3	0.0	-5.35	0.69	-1460.86	-1.60	31.15	-2.12e-03
		1	4	0.0	-3.57	1.44	-1445.64	-3.33	28.57	-2.24e-03
		1	5	0.0	1.12	1.04	-1510.50	-1.47	17.96	-3.77e-03
		1	6	0.0	-1.29	-0.70	-1624.56	3.76	18.79	-1.87e-03
		1	7	0.0	-12.31	-1.81	-1567.41	6.04	53.81	-1.12e-03
		1	8	0.0	-12.03	-1.28	-1536.05	3.82	47.71	-1.40e-03
		1	9	0.0	-6.25	-0.70	-1469.49	1.61	32.45	-2.00e-03
		1	10	0.0	-3.35	0.29	-1445.20	-0.63	28.22	-2.04e-03
		1	11	0.0	-3.52	0.26	-1446.62	-0.58	28.47	-2.03e-03
		1	12	0.0	-3.69	0.37	-1447.84	-0.84	28.72	-2.07e-03
		1	13	0.0	-0.23	8.21e-03	-1420.15	0.04	23.70	-2.19e-03
		1	14	0.0	4.84	-0.10	-1484.66	0.80	12.41	-3.20e-03
		1	15	0.0	2.48	-0.49	-1598.76	2.31	13.36	-2.37e-03
		1	16	0.0	-8.45	0.61	-1538.20	-0.55	48.31	-1.94e-03
		1	17	0.0	-8.34	0.54	-1506.24	-0.88	42.44	-1.93e-03
		1	18	0.0	-2.50	0.20	-1438.37	-0.41	26.97	-2.00e-03
		1	19	0.0	-2.69	0.22	-1111.19	-0.50	21.85	-1.62e-03
		1	20	0.0	0.76	0.75	-1158.61	-1.04	14.06	-2.85e-03
		1	21	0.0	-2.68	0.18	-1111.28	-0.38	21.84	-1.56e-03

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	3.52	-0.09	-1139.46	0.64	9.94	-2.43e-03
		1	23	0.0	37.04	1.04	-890.06	-2.06	-48.76	-1.88e-03
		1	24	0.0	-1.58	-0.08	-1102.57	0.24	20.23	-1.58e-03
2432	PALO D 100.00	1	1	0.0	14.21	-1.17	-1474.36	2.94	-51.50	-2.08e-03
		1	2	0.0	14.05	-1.20	-1472.95	3.00	-51.26	-2.11e-03
		1	3	0.0	12.23	-0.85	-1458.57	2.17	-48.62	-2.12e-03
		1	4	0.0	14.07	-0.19	-1473.86	0.69	-51.33	-2.23e-03
		1	5	0.0	20.46	-1.87	-1547.85	5.87	-68.23	-3.76e-03
		1	6	0.0	18.13	-1.95	-1571.48	6.68	-69.84	-1.89e-03
		1	7	0.0	6.73	-2.45	-1628.79	7.42	-33.89	-1.11e-03
		1	8	0.0	6.18	-2.19	-1521.29	5.94	-35.77	-1.40e-03
		1	9	0.0	11.28	-2.14	-1450.00	5.13	-47.20	-2.01e-03
		1	10	0.0	14.19	-1.18	-1474.22	2.94	-51.45	-2.03e-03
		1	11	0.0	14.01	-1.19	-1472.78	2.98	-51.20	-2.03e-03
		1	12	0.0	13.87	-1.12	-1471.58	2.82	-50.99	-2.07e-03
		1	13	0.0	17.38	-1.58	-1499.39	3.94	-56.14	-2.17e-03
		1	14	0.0	23.91	-2.52	-1573.49	6.87	-73.12	-3.18e-03
		1	15	0.0	22.13	-2.16	-1598.07	6.33	-75.82	-2.37e-03
		1	16	0.0	10.98	-0.71	-1658.54	2.58	-40.33	-1.92e-03
		1	17	0.0	10.12	-0.82	-1551.28	2.40	-41.64	-1.92e-03
		1	18	0.0	15.02	-1.23	-1481.04	3.07	-52.65	-1.99e-03
		1	19	0.0	10.82	-0.95	-1131.97	2.37	-39.41	-1.62e-03
		1	20	0.0	15.57	-1.45	-1187.45	4.49	-51.97	-2.85e-03
		1	21	0.0	10.79	-0.94	-1131.84	2.35	-39.36	-1.56e-03
		1	22	0.0	18.12	-1.93	-1206.44	5.23	-55.60	-2.41e-03
		1	23	0.0	50.63	-0.30	-1353.04	1.24	-110.23	-1.75e-03
		1	24	0.0	11.90	-1.22	-1140.57	3.01	-40.98	-1.57e-03
2437	PALO D 100.00	1	1	0.0	-2.57	0.83	-1440.02	-2.67	27.33	-2.08e-03
		1	2	0.0	-2.73	0.83	-1441.36	-2.67	27.56	-2.11e-03
		1	3	0.0	-4.55	1.20	-1456.10	-3.56	30.22	-2.12e-03
		1	4	0.0	-2.71	1.94	-1442.61	-5.26	27.54	-2.23e-03
		1	5	0.0	2.76	1.58	-1516.41	-3.57	15.29	-3.76e-03
		1	6	0.0	-0.80	-0.07	-1639.29	1.32	19.03	-1.89e-03
		1	7	0.0	-12.24	-1.23	-1577.10	3.77	54.95	-1.11e-03
		1	8	0.0	-11.70	-0.74	-1536.36	1.72	48.05	-1.40e-03
		1	9	0.0	-5.49	-0.19	-1461.85	-0.36	31.58	-2.01e-03

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-2.59	0.79	-1440.11	-2.56	27.39	-2.03e-03
		1	11	0.0	-2.77	0.76	-1441.46	-2.51	27.64	-2.03e-03
		1	12	0.0	-2.92	0.87	-1442.82	-2.77	27.85	-2.07e-03
		1	13	0.0	0.61	0.49	-1414.92	-1.83	22.66	-2.17e-03
		1	14	0.0	6.20	0.43	-1484.47	-1.23	10.30	-3.18e-03
		1	15	0.0	3.31	0.13	-1603.37	-0.09	12.62	-2.37e-03
		1	16	0.0	-7.86	1.19	-1542.06	-2.79	48.13	-1.92e-03
		1	17	0.0	-7.70	1.06	-1505.08	-2.91	42.01	-1.92e-03
		1	18	0.0	-1.76	0.69	-1433.32	-2.32	26.20	-1.99e-03
		1	19	0.0	-2.07	0.61	-1107.20	-1.98	21.14	-1.62e-03
		1	20	0.0	1.99	1.17	-1162.80	-2.65	12.05	-2.85e-03
		1	21	0.0	-2.10	0.56	-1107.28	-1.86	21.20	-1.56e-03
		1	22	0.0	4.54	0.31	-1139.13	-0.92	8.35	-2.41e-03
		1	23	0.0	37.75	1.32	-892.34	-3.14	-49.66	-1.75e-03
		1	24	0.0	-0.98	0.29	-1098.23	-1.23	19.56	-1.57e-03
2458	PALO D 100.00	1	1	0.0	-0.66	2.11	-1387.79	-8.13	23.89	-9.51e-04
		1	2	0.0	-0.80	2.11	-1388.92	-8.14	24.04	-9.64e-04
		1	3	0.0	-2.60	2.51	-1403.84	-9.13	26.71	-9.84e-04
		1	4	0.0	-0.64	3.21	-1394.59	-10.66	23.75	-1.02e-03
		1	5	0.0	6.44	2.97	-1482.64	-9.50	7.97	-1.70e-03
		1	6	0.0	0.55	1.59	-1616.06	-5.76	17.70	-9.14e-04
		1	7	0.0	-11.65	0.29	-1547.64	-2.70	55.10	-5.24e-04
		1	8	0.0	-10.67	0.72	-1490.51	-4.49	46.93	-6.73e-04
		1	9	0.0	-3.65	1.15	-1403.28	-6.06	28.27	-9.40e-04
		1	10	0.0	-0.74	2.07	-1387.81	-8.03	24.07	-9.31e-04
		1	11	0.0	-0.93	2.05	-1388.94	-7.98	24.34	-9.29e-04
		1	12	0.0	-1.03	2.16	-1390.53	-8.25	24.44	-9.49e-04
		1	13	0.0	2.63	1.73	-1363.38	-7.10	18.88	-9.71e-04
		1	14	0.0	9.28	1.77	-1439.84	-6.95	4.23	-1.42e-03
		1	15	0.0	5.33	1.69	-1562.09	-6.74	9.37	-1.10e-03
		1	16	0.0	-6.26	2.58	-1503.50	-8.69	45.59	-8.50e-04
		1	17	0.0	-6.04	2.42	-1458.48	-8.68	39.25	-8.73e-04
		1	18	0.0	0.04	1.97	-1381.38	-7.74	22.98	-9.06e-04
		1	19	0.0	-0.59	1.60	-1066.81	-6.19	18.43	-7.40e-04
		1	20	0.0	4.78	2.23	-1136.23	-7.19	6.53	-1.29e-03
		1	21	0.0	-0.68	1.55	-1066.82	-6.07	18.66	-7.14e-04

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

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	6.88	1.34	-1104.52	-5.30	3.76	-1.08e-03
		1	23	0.0	39.36	1.92	-873.21	-5.67	-52.90	-6.41e-04
		1	24	0.0	0.46	1.27	-1057.47	-5.38	16.93	-7.13e-04
2461	PALO D 100.00	1	1	0.0	-1.57	1.81	-1419.47	-6.88	25.56	-2.71e-04
		1	2	0.0	-1.71	1.81	-1420.71	-6.88	25.75	-2.75e-04
		1	3	0.0	-3.53	2.19	-1435.66	-7.83	28.41	-2.78e-04
		1	4	0.0	-1.63	2.92	-1424.19	-9.46	25.60	-2.91e-04
		1	5	0.0	4.67	2.64	-1506.09	-8.11	11.59	-4.89e-04
		1	6	0.0	-0.10	1.13	-1635.92	-3.86	18.40	-2.49e-04
		1	7	0.0	-11.92	-0.11	-1569.68	-1.03	55.04	-1.48e-04
		1	8	0.0	-11.15	0.33	-1520.09	-2.88	47.46	-1.86e-04
		1	9	0.0	-4.52	0.81	-1438.29	-4.67	29.86	-2.64e-04
		1	10	0.0	-1.62	1.77	-1419.53	-6.77	25.68	-2.65e-04
		1	11	0.0	-1.80	1.74	-1420.78	-6.72	25.94	-2.64e-04
		1	12	0.0	-1.92	1.85	-1422.26	-6.99	26.09	-2.70e-04
		1	13	0.0	1.67	1.45	-1394.50	-5.94	20.72	-2.81e-04
		1	14	0.0	7.80	1.45	-1468.20	-5.64	7.22	-4.11e-04
		1	15	0.0	4.37	1.29	-1589.99	-5.07	10.98	-3.09e-04
		1	16	0.0	-7.01	2.25	-1529.12	-7.36	46.83	-2.49e-04
		1	17	0.0	-6.82	2.09	-1487.85	-7.31	40.59	-2.50e-04
		1	18	0.0	-0.82	1.66	-1412.87	-6.50	24.55	-2.59e-04
		1	19	0.0	-1.29	1.36	-1091.28	-5.22	19.75	-2.11e-04
		1	20	0.0	3.43	1.98	-1154.52	-6.13	9.26	-3.69e-04
		1	21	0.0	-1.36	1.31	-1091.33	-5.10	19.89	-2.03e-04
		1	22	0.0	5.76	1.10	-1126.46	-4.30	6.02	-3.12e-04
		1	23	0.0	38.58	1.88	-885.40	-5.58	-51.19	-2.14e-04
		1	24	0.0	-0.23	1.04	-1082.05	-4.43	18.21	-2.05e-04
2475	PALO D 100.00	1	1	0.0	-4.56	-0.57	-1437.71	3.11	30.95	-2.73e-04
		1	2	0.0	-4.75	-0.57	-1439.19	3.12	31.25	-2.76e-04
		1	3	0.0	-6.58	-0.22	-1453.03	2.29	33.95	-2.76e-04
		1	4	0.0	-4.85	0.53	-1436.09	0.54	31.46	-2.93e-04
		1	5	0.0	-1.03	0.08	-1490.81	2.60	22.78	-4.88e-04
		1	6	0.0	-2.27	-1.72	-1594.35	8.10	20.80	-2.40e-04
		1	7	0.0	-12.80	-2.78	-1543.40	10.15	54.50	-1.51e-04
		1	8	0.0	-12.78	-2.22	-1522.45	7.83	49.24	-1.84e-04
		1	9	0.0	-7.43	-1.61	-1464.68	5.50	35.18	-2.61e-04

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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	-4.53	-0.61	-1437.86	3.22	30.88	-2.67e-04
		1	11	0.0	-4.70	-0.64	-1439.34	3.28	31.12	-2.66e-04
		1	12	0.0	-4.89	-0.53	-1440.41	3.02	31.44	-2.71e-04
		1	13	0.0	-1.49	-0.88	-1413.20	3.83	26.52	-2.88e-04
		1	14	0.0	3.01	-1.04	-1471.61	4.81	16.52	-4.17e-04
		1	15	0.0	1.15	-1.52	-1579.13	6.66	16.26	-3.08e-04
		1	16	0.0	-9.46	-0.38	-1520.18	3.63	50.28	-2.58e-04
		1	17	0.0	-9.41	-0.40	-1494.31	3.13	44.72	-2.54e-04
		1	18	0.0	-3.65	-0.70	-1431.06	3.43	29.56	-2.62e-04
		1	19	0.0	-3.63	-0.47	-1105.63	2.46	23.98	-2.12e-04
		1	20	0.0	-0.87	0.02	-1143.87	2.08	17.70	-3.69e-04
		1	21	0.0	-3.59	-0.52	-1105.74	2.58	23.88	-2.05e-04
		1	22	0.0	2.12	-0.81	-1129.64	3.72	13.07	-3.17e-04
		1	23	0.0	36.05	0.45	-879.48	0.49	-46.81	-2.59e-04
		1	24	0.0	-2.49	-0.77	-1097.46	3.18	22.29	-2.08e-04
2478	PALO D 100.00	1	1	0.0	-5.54	-0.29	-1425.07	1.58	32.82	-9.65e-04
		1	2	0.0	-5.76	-0.29	-1426.61	1.58	33.17	-9.75e-04
		1	3	0.0	-7.60	0.06	-1439.89	0.75	35.92	-9.68e-04
		1	4	0.0	-5.93	0.81	-1421.27	-0.94	33.53	-1.03e-03
		1	5	0.0	-2.91	0.36	-1466.30	1.08	26.72	-1.69e-03
		1	6	0.0	-3.07	-1.40	-1560.35	6.32	22.08	-8.14e-04
		1	7	0.0	-13.15	-2.45	-1515.64	8.35	54.55	-5.71e-04
		1	8	0.0	-13.35	-1.90	-1504.24	6.10	50.04	-6.56e-04
		1	9	0.0	-8.39	-1.31	-1454.53	3.88	37.05	-9.11e-04
		1	10	0.0	-5.49	-0.33	-1425.26	1.68	32.69	-9.45e-04
		1	11	0.0	-5.66	-0.35	-1426.81	1.74	32.93	-9.40e-04
		1	12	0.0	-5.88	-0.25	-1427.71	1.48	33.30	-9.58e-04
		1	13	0.0	-2.53	-0.60	-1401.02	2.32	28.46	-1.03e-03
		1	14	0.0	1.44	-0.75	-1453.39	3.27	19.69	-1.47e-03
		1	15	0.0	0.05	-1.20	-1554.63	4.94	18.30	-1.07e-03
		1	16	0.0	-10.28	-0.08	-1497.32	2.01	51.49	-9.53e-04
		1	17	0.0	-10.27	-0.11	-1477.25	1.54	46.20	-9.13e-04
		1	18	0.0	-4.59	-0.42	-1418.52	1.89	31.29	-9.32e-04
		1	19	0.0	-4.40	-0.25	-1096.02	1.28	25.45	-7.49e-04
		1	20	0.0	-2.29	0.23	-1125.42	0.91	20.67	-1.28e-03
		1	21	0.0	-4.33	-0.30	-1096.16	1.39	25.27	-7.23e-04

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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	0.93	-0.59	-1115.85	2.53	15.47	-1.11e-03
		1	23	0.0	35.25	0.60	-865.18	-0.32	-45.71	-1.02e-03
		1	24	0.0	-3.24	-0.55	-1088.33	1.99	23.69	-7.39e-04
2485	PALO D 100.00	1	1	0.0	16.42	-0.54	-1456.50	0.59	-56.19	-9.51e-04
		1	2	0.0	16.29	-0.57	-1455.01	0.65	-56.02	-9.64e-04
		1	3	0.0	14.48	-0.23	-1441.73	-0.15	-53.37	-9.84e-04
		1	4	0.0	16.48	0.42	-1460.62	-1.59	-56.54	-1.02e-03
		1	5	0.0	24.73	-1.18	-1554.49	3.25	-78.05	-1.70e-03
		1	6	0.0	20.22	-1.22	-1590.84	3.93	-74.43	-9.14e-04
		1	7	0.0	7.96	-1.68	-1635.72	4.51	-36.53	-5.24e-04
		1	8	0.0	7.63	-1.50	-1511.99	3.33	-38.67	-6.73e-04
		1	9	0.0	13.37	-1.51	-1427.00	2.75	-51.48	-9.40e-04
		1	10	0.0	16.34	-0.55	-1456.21	0.60	-56.01	-9.31e-04
		1	11	0.0	16.16	-0.57	-1454.63	0.64	-55.73	-9.29e-04
		1	12	0.0	16.06	-0.49	-1453.82	0.48	-55.64	-9.49e-04
		1	13	0.0	19.71	-0.94	-1480.87	1.55	-61.21	-9.71e-04
		1	14	0.0	27.45	-1.82	-1566.36	4.23	-81.14	-1.42e-03
		1	15	0.0	24.70	-1.42	-1597.97	3.56	-81.41	-1.10e-03
		1	16	0.0	13.12	0.04	-1655.11	-0.23	-45.11	-8.50e-04
		1	17	0.0	12.18	-0.14	-1539.90	-0.14	-46.06	-8.73e-04
		1	18	0.0	17.13	-0.60	-1462.90	0.72	-57.12	-9.06e-04
		1	19	0.0	12.53	-0.46	-1118.06	0.56	-43.06	-7.40e-04
		1	20	0.0	18.79	-0.92	-1191.74	2.49	-59.38	-1.29e-03
		1	21	0.0	12.44	-0.46	-1117.77	0.55	-42.84	-7.14e-04
		1	22	0.0	20.80	-1.39	-1200.53	3.21	-61.67	-1.08e-03
		1	23	0.0	52.72	0.22	-1349.23	-0.63	-115.51	-6.41e-04
		1	24	0.0	13.57	-0.73	-1125.67	1.18	-44.54	-7.13e-04
2488	PALO D 100.00	1	1	0.0	15.42	-0.26	-1468.15	-0.96	-54.24	-2.71e-04
		1	2	0.0	15.27	-0.28	-1466.70	-0.89	-54.04	-2.75e-04
		1	3	0.0	13.46	0.06	-1452.85	-1.69	-51.40	-2.78e-04
		1	4	0.0	15.38	0.72	-1469.98	-3.18	-54.35	-2.91e-04
		1	5	0.0	22.74	-0.90	-1554.78	1.71	-73.65	-4.89e-04
		1	6	0.0	19.31	-0.93	-1585.17	2.34	-72.67	-2.49e-04
		1	7	0.0	7.45	-1.39	-1636.18	2.90	-35.69	-1.48e-04
		1	8	0.0	7.00	-1.22	-1519.88	1.82	-37.65	-1.86e-04
		1	9	0.0	12.42	-1.24	-1441.17	1.28	-49.72	-2.64e-04

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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	10	0.0	15.37	-0.26	-1467.92	-0.95	-54.13	-2.65e-04
		1	11	0.0	15.19	-0.28	-1466.41	-0.91	-53.85	-2.64e-04
		1	12	0.0	15.07	-0.21	-1465.41	-1.07	-53.71	-2.70e-04
		1	13	0.0	18.65	-0.65	-1492.89	-0.01	-59.06	-2.81e-04
		1	14	0.0	25.81	-1.53	-1573.24	2.67	-77.57	-4.11e-04
		1	15	0.0	23.54	-1.13	-1601.60	1.94	-79.09	-3.09e-04
		1	16	0.0	12.17	0.36	-1660.36	-1.96	-43.19	-2.49e-04
		1	17	0.0	11.26	0.16	-1548.67	-1.76	-44.29	-2.50e-04
		1	18	0.0	16.18	-0.31	-1474.68	-0.83	-55.27	-2.59e-04
		1	19	0.0	11.75	-0.25	-1127.10	-0.62	-41.54	-2.11e-04
		1	20	0.0	17.29	-0.70	-1192.34	1.30	-56.07	-3.69e-04
		1	21	0.0	11.69	-0.24	-1126.88	-0.64	-41.40	-2.03e-04
		1	22	0.0	19.56	-1.17	-1206.02	2.02	-58.97	-3.12e-04
		1	23	0.0	51.76	0.51	-1353.43	-2.16	-113.08	-2.14e-04
		1	24	0.0	12.82	-0.51	-1135.21	-1.45e-04	-43.06	-2.05e-04
2506	PALO D 100.00	1	1	0.0	13.43	-1.67	-1468.14	4.88	-50.59	-2.08e-03
		1	2	0.0	13.24	-1.70	-1466.78	4.94	-50.32	-2.11e-03
		1	3	0.0	11.42	-1.34	-1452.02	4.08	-47.63	-2.12e-03
		1	4	0.0	13.18	-0.70	-1465.45	2.63	-50.14	-2.24e-03
		1	5	0.0	18.65	-2.40	-1528.42	7.88	-64.73	-3.77e-03
		1	6	0.0	17.35	-2.50	-1544.99	8.80	-68.67	-1.87e-03
		1	7	0.0	6.44	-3.05	-1607.46	9.74	-34.07	-1.12e-03
		1	8	0.0	5.77	-2.72	-1509.79	7.98	-35.72	-1.40e-03
		1	9	0.0	10.55	-2.63	-1446.47	7.03	-46.45	-2.00e-03
		1	10	0.0	13.43	-1.68	-1468.08	4.89	-50.60	-2.04e-03
		1	11	0.0	13.26	-1.70	-1466.73	4.92	-50.36	-2.03e-03
		1	12	0.0	13.08	-1.62	-1465.34	4.76	-50.09	-2.07e-03
		1	13	0.0	16.54	-2.10	-1493.23	5.94	-55.12	-2.19e-03
		1	14	0.0	22.48	-3.06	-1560.69	8.96	-70.64	-3.20e-03
		1	15	0.0	21.14	-2.75	-1580.88	8.60	-74.35	-2.37e-03
		1	16	0.0	10.27	-1.34	-1642.23	5.01	-39.58	-1.94e-03
		1	17	0.0	9.42	-1.36	-1540.71	4.51	-40.93	-1.93e-03
		1	18	0.0	14.29	-1.74	-1474.90	5.03	-51.86	-2.00e-03
		1	19	0.0	10.20	-1.33	-1127.27	3.86	-38.68	-1.62e-03
		1	20	0.0	14.20	-1.85	-1172.93	6.04	-49.36	-2.85e-03
		1	21	0.0	10.21	-1.33	-1127.23	3.85	-38.71	-1.56e-03

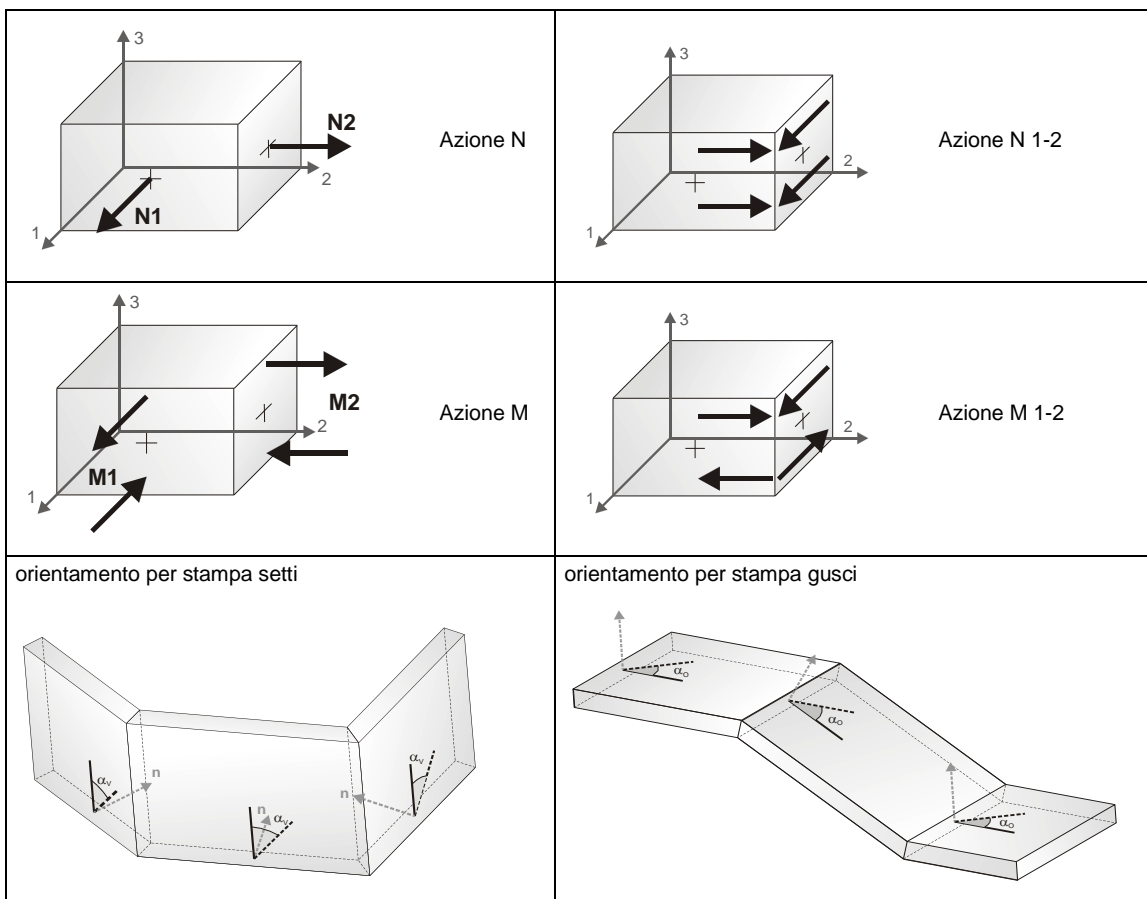
Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	22	0.0	17.04	-2.34	-1196.84	6.84	-53.74	-2.43e-03
		1	23	0.0	49.89	-0.79	-1341.83	3.14	-109.17	-1.88e-03
		1	24	0.0	11.31	-1.61	-1136.27	4.53	-40.33	-1.58e-03
Nodo					Fx	Fy	Fz	Mx	My	Mz
					-35.43	-5.69	-1700.56	-18.14	-155.24	-3.77e-03
					54.58	5.41	-330.05	19.10	120.97	-1.98e-06

11.10 RISULTATI ELEMENTI TIPO SHELL

11.10.1 LEGENDA RISULTATI ELEMENTI TIPO SHELL

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

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



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

tensione di Von Mises	(valore riassuntivo del complessivo stato di sollecitazione)
N max	sforzo membranale principale massimo
N min	sforzo membranale principale minimo
M max	sforzo flessionale principale massimo
M min	sforzo flessionale principale minimo
N1	N2
N1-2	M1
M2	M1-2

sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento (lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni tangenziali)

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

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

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_0 attorno all'asse Z per i gusci e ruotata di α_v attorno alla normale (che per definizione è orizzontale) al piano del setto.

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

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

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

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

I tabulati poiché molto voluminosi sono omessi, il progettista resta a disposizione per fornire qualsiasi dato richiesto.

12. ALLEGATO 2 – MODELLO 3D SISMICO

Id	Tipo / Note		Young	Poisson	G	Gamma	Alfa
		kN/ m2	kN/ m2		kN/ m2	kN/ m3	
4	c.a. classe 35		3.372e+07	0.12	1.505e+07	25.0	1.00e-05
	Rck	3.500e+04					
	fctm	2889.0					
7	c.a. classe 50		4.030e+07	0.12	1.799e+07	25.0	1.00e-05
	Rck	5.000e+04					
	fctm	3644.0					
8	acciaio Fe360		2.100e+08	0.30	8.077e+07	78.5	1.00e-05
	ft	3.600e+05					
	fy	2.350e+05					
	fd	2.350e+05					
	fdt	2.100e+05					
	sadm	1.600e+05					
	sadmt	1.400e+05					
43	c.a. classe = 550.00		3.500e+07	0.20	1.458e+07	25.0	1.00e-05
	Rck	5.500e+04					
	fctm	2700.0					

12.1 MODELLAZIONE DELLE SEZIONI

12.1.1 LEGENDA TABELLA DATI SEZIONI

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

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

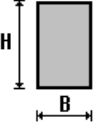
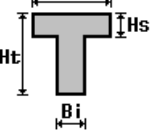
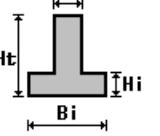
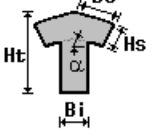
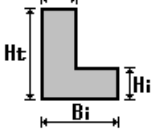
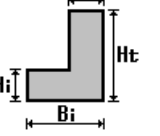
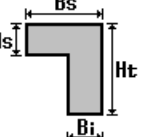
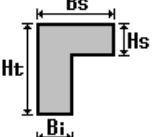
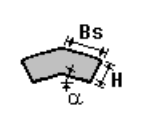
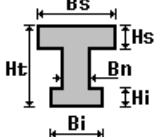
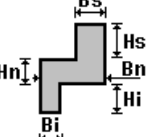
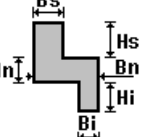
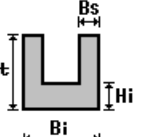
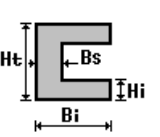
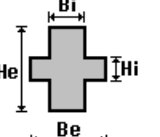
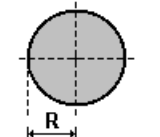
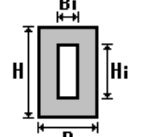
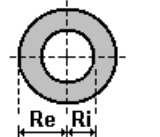
Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)

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Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

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

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

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

Per quanto concerne le sezioni di tipo generico (tipo 1.):

i valori dimensionali con prefisso B sono riferiti all'asse 2

i valori dimensionali con prefisso H sono riferiti all'asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
13	vh160m	7479.17	0.0	0.0	1.552e+06	2.600e+07	2.441e+07	2.080e+05	3.050e+05	2.496e+05	3.660e+05
14	Rettangolare: b=30.00 h=153.00	4590.00	0.0	0.0	1.207e+06	3.443e+05	8.954e+06	2.295e+04	1.170e+05	3.443e+04	1.756e+05
16	asta cordolo	4.00	0.0	0.0	2.25	1.33	1.33	1.33	1.33	2.00	2.00
17	appoggio	2100.00	0.0	0.0	4.599e+05	1.575e+05	8.575e+05	1.050e+04	2.450e+04	1.575e+04	3.675e+04
18	Rettangolare: b=70.00 h =70.00	4900.00	0.0	0.0	3.375e+06	2.001e+06	2.001e+06	5.717e+04	5.717e+04	8.575e+04	8.575e+04

	S.S. N.9 "Via Emilia" VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO A LIVELLO SULLA S.S. N.234
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13. MODELLAZIONE STRUTTURA: NODI

13.1 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

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

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

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

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

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

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

13.1.1 TABELLA DATI NODI

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Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
1	383.4	1263.0	1140.0	2	383.4	1086.7	1140.0	3	383.4	784.5	1140.0
4	383.4	482.3	1140.0	5	383.4	180.1	1140.0	6	383.4	3.8	1140.0
7	1563.0	-139.5	1140.0	8	1563.0	36.8	1140.0	9	1563.0	339.0	1140.0
10	1563.0	641.2	1140.0	11	1563.0	943.4	1140.0	12	1563.0	1119.7	1140.0
13	2742.6	976.4	1140.0	14	2742.6	800.1	1140.0	15	2742.6	497.9	1140.0
16	2742.6	195.7	1140.0	17	2742.6	-106.6	1140.0	18	2742.6	-282.8	1140.0
19	2922.6	-304.7	1140.0	20	2922.6	-128.4	1140.0	21	2922.6	173.8	1140.0
22	2922.6	476.0	1140.0	23	2922.6	778.2	1140.0	24	2922.6	954.5	1140.0
25	4334.8	782.9	1140.0	26	4334.8	606.6	1140.0	27	4334.8	304.4	1140.0
28	4334.8	2.2	1140.0	29	4334.8	-300.0	1140.0	30	4334.8	-476.3	1140.0
31	5746.9	-647.8	1140.0	32	5746.9	-471.6	1140.0	33	5746.9	-169.3	1140.0
34	5746.9	132.9	1140.0	35	5746.9	435.1	1140.0	36	5746.9	611.4	1140.0
37	5926.9	589.5	1140.0	38	5926.9	413.2	1140.0	39	5926.9	111.0	1140.0
40	5926.9	-191.2	1140.0	41	5926.9	-493.4	1140.0	42	5926.9	-669.7	1140.0
43	7106.5	-813.0	1140.0	44	7106.5	-636.7	1140.0	45	7106.5	-334.5	1140.0
46	7106.5	-32.3	1140.0	47	7106.5	269.9	1140.0	48	7106.5	446.2	1140.0
49	8286.1	302.8	1140.0	50	8286.1	126.6	1140.0	51	8286.1	-175.6	1140.0
52	8286.1	-477.9	1140.0	53	8286.1	-780.1	1140.0	54	8286.1	-956.3	1140.0
55	481.7	1251.0	1140.0	56	580.0	1239.1	1140.0	57	678.3	1227.2	1140.0
58	776.6	1215.2	1140.0	59	874.9	1203.3	1140.0	60	973.2	1191.3	1140.0
61	1071.5	1179.4	1140.0	62	1169.8	1167.4	1140.0	63	1268.1	1155.5	1140.0
64	1366.4	1143.6	1140.0	65	1464.7	1131.6	1140.0	66	1661.3	1107.7	1140.0
67	1759.6	1095.8	1140.0	68	1857.9	1083.8	1140.0	69	1956.2	1071.9	1140.0
70	2054.5	1060.0	1140.0	71	2152.8	1048.0	1140.0	72	2251.1	1036.1	1140.0
73	2349.4	1024.1	1140.0	74	2447.7	1012.2	1140.0	75	2546.0	1000.2	1140.0
76	2644.3	988.3	1140.0	77	3040.3	940.2	1140.0	78	3158.0	925.9	1140.0
79	3275.6	911.6	1140.0	80	3393.3	897.3	1140.0	81	3511.0	883.0	1140.0
82	3628.7	868.7	1140.0	83	3746.4	854.4	1140.0	84	3864.0	840.1	1140.0
85	3981.7	825.8	1140.0	86	4099.4	811.5	1140.0	87	4217.1	797.2	1140.0
88	4452.4	768.6	1140.0	89	4570.1	754.3	1140.0	90	4687.8	740.0	1140.0
91	4805.5	725.7	1140.0	92	4923.1	711.4	1140.0	93	5040.8	697.1	1140.0
94	5158.5	682.8	1140.0	95	5276.2	668.5	1140.0	96	5393.9	654.2	1140.0
97	5511.5	639.9	1140.0	98	5629.2	625.6	1140.0	99	481.7	1074.8	1140.0
100	580.0	1062.8	1140.0	101	678.3	1050.9	1140.0	102	776.6	1038.9	1140.0
103	874.9	1027.0	1140.0	104	973.2	1015.0	1140.0	105	1071.5	1003.1	1140.0
106	1169.8	991.2	1140.0	107	1268.1	979.2	1140.0	108	1366.4	967.3	1140.0

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109	1464.7	955.3	1140.0	110	481.7	772.5	1140.0	111	580.0	760.6	1140.0
112	678.3	748.7	1140.0	113	776.6	736.7	1140.0	114	874.9	724.8	1140.0
115	973.2	712.8	1140.0	116	1071.5	700.9	1140.0	117	1169.8	688.9	1140.0
118	1268.1	677.0	1140.0	119	1366.4	665.1	1140.0	120	1464.7	653.1	1140.0
121	481.7	470.3	1140.0	122	580.0	458.4	1140.0	123	678.3	446.5	1140.0
124	776.6	434.5	1140.0	125	874.9	422.6	1140.0	126	973.2	410.6	1140.0
127	1071.5	398.7	1140.0	128	1169.8	386.7	1140.0	129	1268.1	374.8	1140.0
130	1366.4	362.9	1140.0	131	1464.7	350.9	1140.0	132	481.7	168.1	1140.0
133	580.0	156.2	1140.0	134	678.3	144.2	1140.0	135	776.6	132.3	1140.0
136	874.9	120.4	1140.0	137	973.2	108.4	1140.0	138	1071.5	96.5	1140.0
139	1169.8	84.5	1140.0	140	1268.1	72.6	1140.0	141	1366.4	60.6	1140.0
142	1464.7	48.7	1140.0	143	481.7	-8.2	1140.0	144	580.0	-20.1	1140.0
145	678.3	-32.0	1140.0	146	776.6	-44.0	1140.0	147	874.9	-55.9	1140.0
148	973.2	-67.9	1140.0	149	1071.5	-79.8	1140.0	150	1169.8	-91.8	1140.0
151	1268.1	-103.7	1140.0	152	1366.4	-115.6	1140.0	153	1464.7	-127.6	1140.0
154	1661.3	-151.5	1140.0	155	1759.6	-163.4	1140.0	156	1857.9	-175.4	1140.0
157	1956.2	-187.3	1140.0	158	2054.5	-199.2	1140.0	159	2152.8	-211.2	1140.0
160	2251.1	-223.1	1140.0	161	2349.4	-235.1	1140.0	162	2447.7	-247.0	1140.0
163	2546.0	-259.0	1140.0	164	2644.3	-270.9	1140.0	165	1661.3	24.8	1140.0
166	1759.6	12.9	1140.0	167	1857.9	0.9	1140.0	168	1956.2	-11.0	1140.0
169	2054.5	-23.0	1140.0	170	2152.8	-34.9	1140.0	171	2251.1	-46.8	1140.0
172	2349.4	-58.8	1140.0	173	2447.7	-70.7	1140.0	174	2546.0	-82.7	1140.0
175	2644.3	-94.6	1140.0	176	1661.3	327.0	1140.0	177	1759.6	315.1	1140.0
178	1857.9	303.1	1140.0	179	1956.2	291.2	1140.0	180	2054.5	279.3	1140.0
181	2152.8	267.3	1140.0	182	2251.1	255.4	1140.0	183	2349.4	243.4	1140.0
184	2447.7	231.5	1140.0	185	2546.0	219.5	1140.0	186	2644.3	207.6	1140.0
187	1661.3	629.2	1140.0	188	1759.6	617.3	1140.0	189	1857.9	605.3	1140.0
190	1956.2	593.4	1140.0	191	2054.5	581.5	1140.0	192	2152.8	569.5	1140.0
193	2251.1	557.6	1140.0	194	2349.4	545.6	1140.0	195	2447.7	533.7	1140.0
196	2546.0	521.7	1140.0	197	2644.3	509.8	1140.0	198	1661.3	931.4	1140.0
199	1759.6	919.5	1140.0	200	1857.9	907.6	1140.0	201	1956.2	895.6	1140.0
202	2054.5	883.7	1140.0	203	2152.8	871.7	1140.0	204	2251.1	859.8	1140.0
205	2349.4	847.8	1140.0	206	2447.7	835.9	1140.0	207	2546.0	824.0	1140.0
208	2644.3	812.0	1140.0	209	3040.3	-319.0	1140.0	210	3158.0	-333.3	1140.0
211	3275.6	-347.6	1140.0	212	3393.3	-361.9	1140.0	213	3511.0	-376.2	1140.0
214	3628.7	-390.5	1140.0	215	3746.4	-404.8	1140.0	216	3864.0	-419.1	1140.0
217	3981.7	-433.4	1140.0	218	4099.4	-447.7	1140.0	219	4217.1	-462.0	1140.0
220	4452.4	-490.6	1140.0	221	4570.1	-504.9	1140.0	222	4687.8	-519.2	1140.0

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223	4805.5	-533.5	1140.0	224	4923.1	-547.8	1140.0	225	5040.8	-562.1	1140.0
226	5158.5	-576.4	1140.0	227	5276.2	-590.7	1140.0	228	5393.9	-605.0	1140.0
229	5511.5	-619.2	1140.0	230	5629.2	-633.5	1140.0	231	4452.4	-314.3	1140.0
232	4570.1	-328.6	1140.0	233	4687.8	-342.9	1140.0	234	4805.5	-357.2	1140.0
235	4923.1	-371.5	1140.0	236	5040.8	-385.8	1140.0	237	5158.5	-400.1	1140.0
238	5276.2	-414.4	1140.0	239	5393.9	-428.7	1140.0	240	5511.5	-443.0	1140.0
241	5629.2	-457.3	1140.0	242	4452.4	-12.1	1140.0	243	4570.1	-26.4	1140.0
244	4687.8	-40.7	1140.0	245	4805.5	-55.0	1140.0	246	4923.1	-69.3	1140.0
247	5040.8	-83.6	1140.0	248	5158.5	-97.9	1140.0	249	5276.2	-112.2	1140.0
250	5393.9	-126.5	1140.0	251	5511.5	-140.8	1140.0	252	5629.2	-155.1	1140.0
253	4452.4	290.1	1140.0	254	4570.1	275.8	1140.0	255	4687.8	261.5	1140.0
256	4805.5	247.2	1140.0	257	4923.1	232.9	1140.0	258	5040.8	218.6	1140.0
259	5158.5	204.3	1140.0	260	5276.2	190.0	1140.0	261	5393.9	175.7	1140.0
262	5511.5	161.5	1140.0	263	5629.2	147.2	1140.0	264	4452.4	592.3	1140.0
265	4570.1	578.0	1140.0	266	4687.8	563.7	1140.0	267	4805.5	549.4	1140.0
268	4923.1	535.1	1140.0	269	5040.8	520.8	1140.0	270	5158.5	506.5	1140.0
271	5276.2	492.3	1140.0	272	5393.9	478.0	1140.0	273	5511.5	463.7	1140.0
274	5629.2	449.4	1140.0	275	3040.3	763.9	1140.0	276	3158.0	749.6	1140.0
277	3275.6	735.3	1140.0	278	3393.3	721.0	1140.0	279	3511.0	706.7	1140.0
280	3628.7	692.4	1140.0	281	3746.4	678.1	1140.0	282	3864.0	663.8	1140.0
283	3981.7	649.5	1140.0	284	4099.4	635.2	1140.0	285	4217.1	620.9	1140.0
286	3040.3	461.7	1140.0	287	3158.0	447.4	1140.0	288	3275.6	433.1	1140.0
289	3393.3	418.8	1140.0	290	3511.0	404.5	1140.0	291	3628.7	390.2	1140.0
292	3746.4	375.9	1140.0	293	3864.0	361.6	1140.0	294	3981.7	347.3	1140.0
295	4099.4	333.0	1140.0	296	4217.1	318.7	1140.0	297	3040.3	159.5	1140.0
298	3158.0	145.2	1140.0	299	3275.6	130.9	1140.0	300	3393.3	116.6	1140.0
301	3511.0	102.3	1140.0	302	3628.7	88.0	1140.0	303	3746.4	73.7	1140.0
304	3864.0	59.4	1140.0	305	3981.7	45.1	1140.0	306	4099.4	30.8	1140.0
307	4217.1	16.5	1140.0	308	3040.3	-142.7	1140.0	309	3158.0	-157.0	1140.0
310	3275.6	-171.3	1140.0	311	3393.3	-185.6	1140.0	312	3511.0	-199.9	1140.0
313	3628.7	-214.2	1140.0	314	3746.4	-228.5	1140.0	315	3864.0	-242.8	1140.0
316	3981.7	-257.1	1140.0	317	4099.4	-271.4	1140.0	318	4217.1	-285.7	1140.0
319	6025.2	577.5	1140.0	320	6123.5	565.6	1140.0	321	6221.8	553.7	1140.0
322	6320.1	541.7	1140.0	323	6418.4	529.8	1140.0	324	6516.7	517.8	1140.0
325	6615.0	505.9	1140.0	326	6713.3	493.9	1140.0	327	6811.6	482.0	1140.0
328	6909.9	470.1	1140.0	329	7008.2	458.1	1140.0	330	7204.8	434.2	1140.0
331	7303.1	422.3	1140.0	332	7401.4	410.3	1140.0	333	7499.7	398.4	1140.0
334	7598.0	386.4	1140.0	335	7696.3	374.5	1140.0	336	7794.6	362.6	1140.0

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A LIVELLO SULLA S.S. N.234**

337	7892.9	350.6	1140.0	338	7991.2	338.7	1140.0	339	8089.5	326.7	1140.0
340	8187.8	314.8	1140.0	341	6025.2	401.3	1140.0	342	6123.5	389.3	1140.0
343	6221.8	377.4	1140.0	344	6320.1	365.4	1140.0	345	6418.4	353.5	1140.0
346	6516.7	341.5	1140.0	347	6615.0	329.6	1140.0	348	6713.3	317.6	1140.0
349	6811.6	305.7	1140.0	350	6909.9	293.8	1140.0	351	7008.2	281.8	1140.0
352	7204.8	257.9	1140.0	353	7303.1	246.0	1140.0	354	7401.4	234.0	1140.0
355	7499.7	222.1	1140.0	356	7598.0	210.2	1140.0	357	7696.3	198.2	1140.0
358	7794.6	186.3	1140.0	359	7892.9	174.3	1140.0	360	7991.2	162.4	1140.0
361	8089.5	150.4	1140.0	362	8187.8	138.5	1140.0	363	6025.2	99.0	1140.0
364	6123.5	87.1	1140.0	365	6221.8	75.2	1140.0	366	6320.1	63.2	1140.0
367	6418.4	51.3	1140.0	368	6516.7	39.3	1140.0	369	6615.0	27.4	1140.0
370	6713.3	15.4	1140.0	371	6811.6	3.5	1140.0	372	6909.9	-8.4	1140.0
373	7008.2	-20.4	1140.0	374	7204.8	-44.3	1140.0	375	7303.1	-56.2	1140.0
376	7401.4	-68.2	1140.0	377	7499.7	-80.1	1140.0	378	7598.0	-92.0	1140.0
379	7696.3	-104.0	1140.0	380	7794.6	-115.9	1140.0	381	7892.9	-127.9	1140.0
382	7991.2	-139.8	1140.0	383	8089.5	-151.8	1140.0	384	8187.8	-163.7	1140.0
385	6025.2	-203.2	1140.0	386	6123.5	-215.1	1140.0	387	6221.8	-227.0	1140.0
388	6320.1	-239.0	1140.0	389	6418.4	-250.9	1140.0	390	6516.7	-262.9	1140.0
391	6615.0	-274.8	1140.0	392	6713.3	-286.8	1140.0	393	6811.6	-298.7	1140.0
394	6909.9	-310.6	1140.0	395	7008.2	-322.6	1140.0	396	7204.8	-346.5	1140.0
397	7303.1	-358.4	1140.0	398	7401.4	-370.4	1140.0	399	7499.7	-382.3	1140.0
400	7598.0	-394.2	1140.0	401	7696.3	-406.2	1140.0	402	7794.6	-418.1	1140.0
403	7892.9	-430.1	1140.0	404	7991.2	-442.0	1140.0	405	8089.5	-454.0	1140.0
406	8187.8	-465.9	1140.0	407	6025.2	-505.4	1140.0	408	6123.5	-517.3	1140.0
409	6221.8	-529.3	1140.0	410	6320.1	-541.2	1140.0	411	6418.4	-553.1	1140.0
412	6516.7	-565.1	1140.0	413	6615.0	-577.0	1140.0	414	6713.3	-589.0	1140.0
415	6811.6	-600.9	1140.0	416	6909.9	-612.9	1140.0	417	7008.2	-624.8	1140.0
418	7204.8	-648.7	1140.0	419	7303.1	-660.6	1140.0	420	7401.4	-672.6	1140.0
421	7499.7	-684.5	1140.0	422	7598.0	-696.5	1140.0	423	7696.3	-708.4	1140.0
424	7794.6	-720.3	1140.0	425	7892.9	-732.3	1140.0	426	7991.2	-744.2	1140.0
427	8089.5	-756.2	1140.0	428	8187.8	-768.1	1140.0	429	6025.2	-681.7	1140.0
430	6123.5	-693.6	1140.0	431	6221.8	-705.5	1140.0	432	6320.1	-717.5	1140.0
433	6418.4	-729.4	1140.0	434	6516.7	-741.4	1140.0	435	6615.0	-753.3	1140.0
436	6713.3	-765.3	1140.0	437	6811.6	-777.2	1140.0	438	6909.9	-789.1	1140.0
439	7008.2	-801.1	1140.0	440	7204.8	-825.0	1140.0	441	7303.1	-836.9	1140.0
442	7401.4	-848.9	1140.0	443	7499.7	-860.8	1140.0	444	7598.0	-872.7	1140.0
445	7696.3	-884.7	1140.0	446	7794.6	-896.6	1140.0	447	7892.9	-908.6	1140.0
448	7991.2	-920.5	1140.0	449	8089.5	-932.5	1140.0	450	8187.8	-944.4	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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451	383.4	1145.5	1140.0	452	383.4	1204.2	1140.0	453	383.4	885.2	1140.0
454	383.4	986.0	1140.0	455	383.4	583.0	1140.0	456	383.4	683.8	1140.0
457	383.4	280.8	1140.0	458	383.4	381.5	1140.0	459	383.4	62.6	1140.0
460	383.4	121.3	1140.0	461	1563.0	1002.1	1140.0	462	1563.0	1060.9	1140.0
463	1563.0	741.9	1140.0	464	1563.0	842.6	1140.0	465	1563.0	439.7	1140.0
466	1563.0	540.4	1140.0	467	1563.0	137.5	1140.0	468	1563.0	238.2	1140.0
469	1563.0	-80.8	1140.0	470	1563.0	-22.0	1140.0	471	2742.6	858.8	1140.0
472	2742.6	917.6	1140.0	473	2742.6	598.6	1140.0	474	2742.6	699.3	1140.0
475	2742.6	296.4	1140.0	476	2742.6	397.1	1140.0	477	2742.6	-5.8	1140.0
478	2742.6	94.9	1140.0	479	2742.6	-224.1	1140.0	480	2742.6	-165.3	1140.0
481	2922.6	837.0	1140.0	482	2922.6	895.7	1140.0	483	2922.6	576.7	1140.0
484	2922.6	677.5	1140.0	485	2922.6	274.5	1140.0	486	2922.6	375.3	1140.0
487	2922.6	-27.7	1140.0	488	2922.6	73.0	1140.0	489	2922.6	-245.9	1140.0
490	2922.6	-187.2	1140.0	491	4334.8	665.4	1140.0	492	4334.8	724.2	1140.0
493	4334.8	405.2	1140.0	494	4334.8	505.9	1140.0	495	4334.8	103.0	1140.0
496	4334.8	203.7	1140.0	497	4334.8	-199.3	1140.0	498	4334.8	-98.5	1140.0
499	4334.8	-417.5	1140.0	500	4334.8	-358.8	1140.0	501	5746.9	493.8	1140.0
502	5746.9	552.6	1140.0	503	5746.9	233.6	1140.0	504	5746.9	334.3	1140.0
505	5746.9	-68.6	1140.0	506	5746.9	32.1	1140.0	507	5746.9	-370.8	1140.0
508	5746.9	-270.1	1140.0	509	5746.9	-589.1	1140.0	510	5746.9	-530.3	1140.0
511	5926.9	472.0	1140.0	512	5926.9	530.7	1140.0	513	5926.9	211.7	1140.0
514	5926.9	312.5	1140.0	515	5926.9	-90.5	1140.0	516	5926.9	10.3	1140.0
517	5926.9	-392.7	1140.0	518	5926.9	-292.0	1140.0	519	5926.9	-610.9	1140.0
520	5926.9	-552.2	1140.0	521	8286.1	185.3	1140.0	522	8286.1	244.1	1140.0
523	8286.1	-74.9	1140.0	524	8286.1	25.8	1140.0	525	8286.1	-377.1	1140.0
526	8286.1	-276.4	1140.0	527	8286.1	-679.3	1140.0	528	8286.1	-578.6	1140.0
529	8286.1	-897.6	1140.0	530	8286.1	-838.8	1140.0	531	7106.5	328.6	1140.0
532	7106.5	387.4	1140.0	533	7106.5	68.4	1140.0	534	7106.5	169.1	1140.0
535	7106.5	-233.8	1140.0	536	7106.5	-133.1	1140.0	537	7106.5	-536.0	1140.0
538	7106.5	-435.3	1140.0	539	7106.5	-754.3	1140.0	540	7106.5	-695.5	1140.0
541	481.7	1192.3	1140.0	542	481.7	1133.5	1140.0	543	580.0	1180.3	1140.0
544	580.0	1121.6	1140.0	545	678.3	1168.4	1140.0	546	678.3	1109.6	1140.0
547	776.6	1156.4	1140.0	548	776.6	1097.7	1140.0	549	874.9	1144.5	1140.0
550	874.9	1085.7	1140.0	551	973.2	1132.6	1140.0	552	973.2	1073.8	1140.0
553	1071.5	1120.6	1140.0	554	1071.5	1061.9	1140.0	555	1169.8	1108.7	1140.0
556	1169.8	1049.9	1140.0	557	1268.1	1096.7	1140.0	558	1268.1	1038.0	1140.0
559	1366.4	1084.8	1140.0	560	1366.4	1026.0	1140.0	561	1464.7	1072.8	1140.0
562	1464.7	1014.1	1140.0	563	1661.3	1049.0	1140.0	564	1661.3	990.2	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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565	1759.6	1037.0	1140.0	566	1759.6	978.3	1140.0	567	1857.9	1025.1	1140.0
568	1857.9	966.3	1140.0	569	1956.2	1013.1	1140.0	570	1956.2	954.4	1140.0
571	2054.5	1001.2	1140.0	572	2054.5	942.4	1140.0	573	2152.8	989.2	1140.0
574	2152.8	930.5	1140.0	575	2251.1	977.3	1140.0	576	2251.1	918.5	1140.0
577	2349.4	965.4	1140.0	578	2349.4	906.6	1140.0	579	2447.7	953.4	1140.0
580	2447.7	894.7	1140.0	581	2546.0	941.5	1140.0	582	2546.0	882.7	1140.0
583	2644.3	929.5	1140.0	584	2644.3	870.8	1140.0	585	1661.3	830.7	1140.0
586	1661.3	730.0	1140.0	587	1759.6	818.8	1140.0	588	1759.6	718.0	1140.0
589	1857.9	806.8	1140.0	590	1857.9	706.1	1140.0	591	1956.2	794.9	1140.0
592	1956.2	694.1	1140.0	593	2054.5	782.9	1140.0	594	2054.5	682.2	1140.0
595	2152.8	771.0	1140.0	596	2152.8	670.3	1140.0	597	2251.1	759.0	1140.0
598	2251.1	658.3	1140.0	599	2349.4	747.1	1140.0	600	2349.4	646.4	1140.0
601	2447.7	735.2	1140.0	602	2447.7	634.4	1140.0	603	2546.0	723.2	1140.0
604	2546.0	622.5	1140.0	605	2644.3	711.3	1140.0	606	2644.3	610.5	1140.0
607	1661.3	528.5	1140.0	608	1661.3	427.8	1140.0	609	1759.6	516.6	1140.0
610	1759.6	415.8	1140.0	611	1857.9	504.6	1140.0	612	1857.9	403.9	1140.0
613	1956.2	492.7	1140.0	614	1956.2	391.9	1140.0	615	2054.5	480.7	1140.0
616	2054.5	380.0	1140.0	617	2152.8	468.8	1140.0	618	2152.8	368.0	1140.0
619	2251.1	456.8	1140.0	620	2251.1	356.1	1140.0	621	2349.4	444.9	1140.0
622	2349.4	344.2	1140.0	623	2447.7	433.0	1140.0	624	2447.7	332.2	1140.0
625	2546.0	421.0	1140.0	626	2546.0	320.3	1140.0	627	2644.3	409.1	1140.0
628	2644.3	308.3	1140.0	629	1661.3	226.3	1140.0	630	1661.3	125.6	1140.0
631	1759.6	214.3	1140.0	632	1759.6	113.6	1140.0	633	1857.9	202.4	1140.0
634	1857.9	101.7	1140.0	635	1956.2	190.5	1140.0	636	1956.2	89.7	1140.0
637	2054.5	178.5	1140.0	638	2054.5	77.8	1140.0	639	2152.8	166.6	1140.0
640	2152.8	65.8	1140.0	641	2251.1	154.6	1140.0	642	2251.1	53.9	1140.0
643	2349.4	142.7	1140.0	644	2349.4	42.0	1140.0	645	2447.7	130.7	1140.0
646	2447.7	30.0	1140.0	647	2546.0	118.8	1140.0	648	2546.0	18.1	1140.0
649	2644.3	106.9	1140.0	650	2644.3	6.1	1140.0	651	1661.3	-33.9	1140.0
652	1661.3	-92.7	1140.0	653	1759.6	-45.9	1140.0	654	1759.6	-104.6	1140.0
655	1857.9	-57.8	1140.0	656	1857.9	-116.6	1140.0	657	1956.2	-69.8	1140.0
658	1956.2	-128.5	1140.0	659	2054.5	-81.7	1140.0	660	2054.5	-140.5	1140.0
661	2152.8	-93.7	1140.0	662	2152.8	-152.4	1140.0	663	2251.1	-105.6	1140.0
664	2251.1	-164.4	1140.0	665	2349.4	-117.5	1140.0	666	2349.4	-176.3	1140.0
667	2447.7	-129.5	1140.0	668	2447.7	-188.2	1140.0	669	2546.0	-141.4	1140.0
670	2546.0	-200.2	1140.0	671	2644.3	-153.4	1140.0	672	2644.3	-212.1	1140.0
673	481.7	974.0	1140.0	674	481.7	873.3	1140.0	675	580.0	962.1	1140.0
676	580.0	861.3	1140.0	677	678.3	950.1	1140.0	678	678.3	849.4	1140.0

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

679	776.6	938.2	1140.0	680	776.6	837.5	1140.0	681	874.9	926.2	1140.0
682	874.9	825.5	1140.0	683	973.2	914.3	1140.0	684	973.2	813.6	1140.0
685	1071.5	902.4	1140.0	686	1071.5	801.6	1140.0	687	1169.8	890.4	1140.0
688	1169.8	789.7	1140.0	689	1268.1	878.5	1140.0	690	1268.1	777.7	1140.0
691	1366.4	866.5	1140.0	692	1366.4	765.8	1140.0	693	1464.7	854.6	1140.0
694	1464.7	753.9	1140.0	695	481.7	671.8	1140.0	696	481.7	571.1	1140.0
697	580.0	659.9	1140.0	698	580.0	559.1	1140.0	699	678.3	647.9	1140.0
700	678.3	547.2	1140.0	701	776.6	636.0	1140.0	702	776.6	535.2	1140.0
703	874.9	624.0	1140.0	704	874.9	523.3	1140.0	705	973.2	612.1	1140.0
706	973.2	511.4	1140.0	707	1071.5	600.2	1140.0	708	1071.5	499.4	1140.0
709	1169.8	588.2	1140.0	710	1169.8	487.5	1140.0	711	1268.1	576.3	1140.0
712	1268.1	475.5	1140.0	713	1366.4	564.3	1140.0	714	1366.4	463.6	1140.0
715	1464.7	552.4	1140.0	716	1464.7	451.6	1140.0	717	481.7	369.6	1140.0
718	481.7	268.9	1140.0	719	580.0	357.7	1140.0	720	580.0	256.9	1140.0
721	678.3	345.7	1140.0	722	678.3	245.0	1140.0	723	776.6	333.8	1140.0
724	776.6	233.0	1140.0	725	874.9	321.8	1140.0	726	874.9	221.1	1140.0
727	973.2	309.9	1140.0	728	973.2	209.2	1140.0	729	1071.5	297.9	1140.0
730	1071.5	197.2	1140.0	731	1169.8	286.0	1140.0	732	1169.8	185.3	1140.0
733	1268.1	274.1	1140.0	734	1268.1	173.3	1140.0	735	1366.4	262.1	1140.0
736	1366.4	161.4	1140.0	737	1464.7	250.2	1140.0	738	1464.7	149.4	1140.0
739	481.7	109.4	1140.0	740	481.7	50.6	1140.0	741	580.0	97.4	1140.0
742	580.0	38.7	1140.0	743	678.3	85.5	1140.0	744	678.3	26.7	1140.0
745	776.6	73.5	1140.0	746	776.6	14.8	1140.0	747	874.9	61.6	1140.0
748	874.9	2.8	1140.0	749	973.2	49.7	1140.0	750	973.2	-9.1	1140.0
751	1071.5	37.7	1140.0	752	1071.5	-21.0	1140.0	753	1169.8	25.8	1140.0
754	1169.8	-33.0	1140.0	755	1268.1	13.8	1140.0	756	1268.1	-44.9	1140.0
757	1366.4	1.9	1140.0	758	1366.4	-56.9	1140.0	759	1464.7	-10.1	1140.0
760	1464.7	-68.8	1140.0	761	3040.3	881.4	1140.0	762	3040.3	822.7	1140.0
763	3158.0	867.1	1140.0	764	3158.0	808.4	1140.0	765	3275.6	852.8	1140.0
766	3275.6	794.1	1140.0	767	3393.3	838.5	1140.0	768	3393.3	779.8	1140.0
769	3511.0	824.2	1140.0	770	3511.0	765.5	1140.0	771	3628.7	809.9	1140.0
772	3628.7	751.2	1140.0	773	3746.4	795.6	1140.0	774	3746.4	736.9	1140.0
775	3864.0	781.3	1140.0	776	3864.0	722.6	1140.0	777	3981.7	767.0	1140.0
778	3981.7	708.3	1140.0	779	4099.4	752.7	1140.0	780	4099.4	694.0	1140.0
781	4217.1	738.5	1140.0	782	4217.1	679.7	1140.0	783	3040.3	663.2	1140.0
784	3040.3	562.4	1140.0	785	3158.0	648.9	1140.0	786	3158.0	548.1	1140.0
787	3275.6	634.6	1140.0	788	3275.6	533.8	1140.0	789	3393.3	620.3	1140.0
790	3393.3	519.5	1140.0	791	3511.0	606.0	1140.0	792	3511.0	505.2	1140.0

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

793	3628.7	591.7	1140.0	794	3628.7	490.9	1140.0	795	3746.4	577.4	1140.0
796	3746.4	476.6	1140.0	797	3864.0	563.1	1140.0	798	3864.0	462.3	1140.0
799	3981.7	548.8	1140.0	800	3981.7	448.0	1140.0	801	4099.4	534.5	1140.0
802	4099.4	433.8	1140.0	803	4217.1	520.2	1140.0	804	4217.1	419.5	1140.0
805	3040.3	361.0	1140.0	806	3040.3	260.2	1140.0	807	3158.0	346.7	1140.0
808	3158.0	245.9	1140.0	809	3275.6	332.4	1140.0	810	3275.6	231.6	1140.0
811	3393.3	318.1	1140.0	812	3393.3	217.3	1140.0	813	3511.0	303.8	1140.0
814	3511.0	203.0	1140.0	815	3628.7	289.5	1140.0	816	3628.7	188.7	1140.0
817	3746.4	275.2	1140.0	818	3746.4	174.4	1140.0	819	3864.0	260.9	1140.0
820	3864.0	160.1	1140.0	821	3981.7	246.6	1140.0	822	3981.7	145.8	1140.0
823	4099.4	232.3	1140.0	824	4099.4	131.5	1140.0	825	4217.1	218.0	1140.0
826	4217.1	117.2	1140.0	827	3040.3	58.8	1140.0	828	3040.3	-42.0	1140.0
829	3158.0	44.5	1140.0	830	3158.0	-56.3	1140.0	831	3275.6	30.2	1140.0
832	3275.6	-70.6	1140.0	833	3393.3	15.9	1140.0	834	3393.3	-84.9	1140.0
835	3511.0	1.6	1140.0	836	3511.0	-99.2	1140.0	837	3628.7	-12.7	1140.0
838	3628.7	-113.5	1140.0	839	3746.4	-27.0	1140.0	840	3746.4	-127.8	1140.0
841	3864.0	-41.3	1140.0	842	3864.0	-142.1	1140.0	843	3981.7	-55.6	1140.0
844	3981.7	-156.4	1140.0	845	4099.4	-69.9	1140.0	846	4099.4	-170.7	1140.0
847	4217.1	-84.2	1140.0	848	4217.1	-185.0	1140.0	849	3040.3	-201.5	1140.0
850	3040.3	-260.2	1140.0	851	3158.0	-215.8	1140.0	852	3158.0	-274.5	1140.0
853	3275.6	-230.1	1140.0	854	3275.6	-288.8	1140.0	855	3393.3	-244.4	1140.0
856	3393.3	-303.1	1140.0	857	3511.0	-258.7	1140.0	858	3511.0	-317.4	1140.0
859	3628.7	-273.0	1140.0	860	3628.7	-331.7	1140.0	861	3746.4	-287.3	1140.0
862	3746.4	-346.0	1140.0	863	3864.0	-301.6	1140.0	864	3864.0	-360.3	1140.0
865	3981.7	-315.9	1140.0	866	3981.7	-374.6	1140.0	867	4099.4	-330.2	1140.0
868	4099.4	-388.9	1140.0	869	4217.1	-344.5	1140.0	870	4217.1	-403.2	1140.0
871	4452.4	709.9	1140.0	872	4452.4	651.1	1140.0	873	4570.1	695.6	1140.0
874	4570.1	636.8	1140.0	875	4687.8	681.3	1140.0	876	4687.8	622.5	1140.0
877	4805.5	667.0	1140.0	878	4805.5	608.2	1140.0	879	4923.1	652.7	1140.0
880	4923.1	593.9	1140.0	881	5040.8	638.4	1140.0	882	5040.8	579.6	1140.0
883	5158.5	624.1	1140.0	884	5158.5	565.3	1140.0	885	5276.2	609.8	1140.0
886	5276.2	551.0	1140.0	887	5393.9	595.5	1140.0	888	5393.9	536.7	1140.0
889	5511.5	581.2	1140.0	890	5511.5	522.4	1140.0	891	5629.2	566.9	1140.0
892	5629.2	508.1	1140.0	893	4452.4	491.6	1140.0	894	4452.4	390.9	1140.0
895	4570.1	477.3	1140.0	896	4570.1	376.6	1140.0	897	4687.8	463.0	1140.0
898	4687.8	362.3	1140.0	899	4805.5	448.7	1140.0	900	4805.5	348.0	1140.0
901	4923.1	434.4	1140.0	902	4923.1	333.7	1140.0	903	5040.8	420.1	1140.0
904	5040.8	319.4	1140.0	905	5158.5	405.8	1140.0	906	5158.5	305.1	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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907	5276.2	391.5	1140.0	908	5276.2	290.8	1140.0	909	5393.9	377.2	1140.0
910	5393.9	276.5	1140.0	911	5511.5	362.9	1140.0	912	5511.5	262.2	1140.0
913	5629.2	348.6	1140.0	914	5629.2	247.9	1140.0	915	4452.4	189.4	1140.0
916	4452.4	88.7	1140.0	917	4570.1	175.1	1140.0	918	4570.1	74.4	1140.0
919	4687.8	160.8	1140.0	920	4687.8	60.1	1140.0	921	4805.5	146.5	1140.0
922	4805.5	45.8	1140.0	923	4923.1	132.2	1140.0	924	4923.1	31.5	1140.0
925	5040.8	117.9	1140.0	926	5040.8	17.2	1140.0	927	5158.5	103.6	1140.0
928	5158.5	2.9	1140.0	929	5276.2	89.3	1140.0	930	5276.2	-11.4	1140.0
931	5393.9	75.0	1140.0	932	5393.9	-25.7	1140.0	933	5511.5	60.7	1140.0
934	5511.5	-40.0	1140.0	935	5629.2	46.4	1140.0	936	5629.2	-54.3	1140.0
937	4452.4	-112.8	1140.0	938	4452.4	-213.6	1140.0	939	4570.1	-127.1	1140.0
940	4570.1	-227.8	1140.0	941	4687.8	-141.4	1140.0	942	4687.8	-242.1	1140.0
943	4805.5	-155.7	1140.0	944	4805.5	-256.4	1140.0	945	4923.1	-170.0	1140.0
946	4923.1	-270.7	1140.0	947	5040.8	-184.3	1140.0	948	5040.8	-285.0	1140.0
949	5158.5	-198.6	1140.0	950	5158.5	-299.3	1140.0	951	5276.2	-212.9	1140.0
952	5276.2	-313.6	1140.0	953	5393.9	-227.2	1140.0	954	5393.9	-327.9	1140.0
955	5511.5	-241.5	1140.0	956	5511.5	-342.2	1140.0	957	5629.2	-255.8	1140.0
958	5629.2	-356.5	1140.0	959	4452.4	-373.0	1140.0	960	4452.4	-431.8	1140.0
961	4570.1	-387.3	1140.0	962	4570.1	-446.1	1140.0	963	4687.8	-401.6	1140.0
964	4687.8	-460.4	1140.0	965	4805.5	-415.9	1140.0	966	4805.5	-474.7	1140.0
967	4923.1	-430.2	1140.0	968	4923.1	-489.0	1140.0	969	5040.8	-444.5	1140.0
970	5040.8	-503.3	1140.0	971	5158.5	-458.8	1140.0	972	5158.5	-517.6	1140.0
973	5276.2	-473.1	1140.0	974	5276.2	-531.9	1140.0	975	5393.9	-487.4	1140.0
976	5393.9	-546.2	1140.0	977	5511.5	-501.7	1140.0	978	5511.5	-560.5	1140.0
979	5629.2	-516.0	1140.0	980	5629.2	-574.8	1140.0	981	6025.2	518.8	1140.0
982	6025.2	460.0	1140.0	983	6123.5	506.8	1140.0	984	6123.5	448.1	1140.0
985	6221.8	494.9	1140.0	986	6221.8	436.1	1140.0	987	6320.1	482.9	1140.0
988	6320.1	424.2	1140.0	989	6418.4	471.0	1140.0	990	6418.4	412.2	1140.0
991	6516.7	459.1	1140.0	992	6516.7	400.3	1140.0	993	6615.0	447.1	1140.0
994	6615.0	388.4	1140.0	995	6713.3	435.2	1140.0	996	6713.3	376.4	1140.0
997	6811.6	423.2	1140.0	998	6811.6	364.5	1140.0	999	6909.9	411.3	1140.0
1000	6909.9	352.5	1140.0	1001	7008.2	399.3	1140.0	1002	7008.2	340.6	1140.0
1003	7204.8	375.5	1140.0	1004	7204.8	316.7	1140.0	1005	7303.1	363.5	1140.0
1006	7303.1	304.8	1140.0	1007	7401.4	351.6	1140.0	1008	7401.4	292.8	1140.0
1009	7499.7	339.6	1140.0	1010	7499.7	280.9	1140.0	1011	7598.0	327.7	1140.0
1012	7598.0	268.9	1140.0	1013	7696.3	315.7	1140.0	1014	7696.3	257.0	1140.0
1015	7794.6	303.8	1140.0	1016	7794.6	245.0	1140.0	1017	7892.9	291.9	1140.0
1018	7892.9	233.1	1140.0	1019	7991.2	279.9	1140.0	1020	7991.2	221.2	1140.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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1021	8089.5	268.0	1140.0	1022	8089.5	209.2	1140.0	1023	8187.8	256.0	1140.0
1024	8187.8	197.3	1140.0	1025	7204.8	157.2	1140.0	1026	7204.8	56.5	1140.0
1027	7303.1	145.3	1140.0	1028	7303.1	44.5	1140.0	1029	7401.4	133.3	1140.0
1030	7401.4	32.6	1140.0	1031	7499.7	121.4	1140.0	1032	7499.7	20.6	1140.0
1033	7598.0	109.4	1140.0	1034	7598.0	8.7	1140.0	1035	7696.3	97.5	1140.0
1036	7696.3	-3.3	1140.0	1037	7794.6	85.5	1140.0	1038	7794.6	-15.2	1140.0
1039	7892.9	73.6	1140.0	1040	7892.9	-27.1	1140.0	1041	7991.2	61.7	1140.0
1042	7991.2	-39.1	1140.0	1043	8089.5	49.7	1140.0	1044	8089.5	-51.0	1140.0
1045	8187.8	37.8	1140.0	1046	8187.8	-63.0	1140.0	1047	7204.8	-145.0	1140.0
1048	7204.8	-245.7	1140.0	1049	7303.1	-157.0	1140.0	1050	7303.1	-257.7	1140.0
1051	7401.4	-168.9	1140.0	1052	7401.4	-269.6	1140.0	1053	7499.7	-180.8	1140.0
1054	7499.7	-281.6	1140.0	1055	7598.0	-192.8	1140.0	1056	7598.0	-293.5	1140.0
1057	7696.3	-204.7	1140.0	1058	7696.3	-305.5	1140.0	1059	7794.6	-216.7	1140.0
1060	7794.6	-317.4	1140.0	1061	7892.9	-228.6	1140.0	1062	7892.9	-329.3	1140.0
1063	7991.2	-240.6	1140.0	1064	7991.2	-341.3	1140.0	1065	8089.5	-252.5	1140.0
1066	8089.5	-353.2	1140.0	1067	8187.8	-264.4	1140.0	1068	8187.8	-365.2	1140.0
1069	7204.8	-447.2	1140.0	1070	7204.8	-547.9	1140.0	1071	7303.1	-459.2	1140.0
1072	7303.1	-559.9	1140.0	1073	7401.4	-471.1	1140.0	1074	7401.4	-571.8	1140.0
1075	7499.7	-483.0	1140.0	1076	7499.7	-583.8	1140.0	1077	7598.0	-495.0	1140.0
1078	7598.0	-595.7	1140.0	1079	7696.3	-506.9	1140.0	1080	7696.3	-607.7	1140.0
1081	7794.6	-518.9	1140.0	1082	7794.6	-619.6	1140.0	1083	7892.9	-530.8	1140.0
1084	7892.9	-631.5	1140.0	1085	7991.2	-542.8	1140.0	1086	7991.2	-643.5	1140.0
1087	8089.5	-554.7	1140.0	1088	8089.5	-655.4	1140.0	1089	8187.8	-566.6	1140.0
1090	8187.8	-667.4	1140.0	1091	7204.8	-707.4	1140.0	1092	7204.8	-766.2	1140.0
1093	7303.1	-719.4	1140.0	1094	7303.1	-778.2	1140.0	1095	7401.4	-731.3	1140.0
1096	7401.4	-790.1	1140.0	1097	7499.7	-743.3	1140.0	1098	7499.7	-802.0	1140.0
1099	7598.0	-755.2	1140.0	1100	7598.0	-814.0	1140.0	1101	7696.3	-767.2	1140.0
1102	7696.3	-825.9	1140.0	1103	7794.6	-779.1	1140.0	1104	7794.6	-837.9	1140.0
1105	7892.9	-791.0	1140.0	1106	7892.9	-849.8	1140.0	1107	7991.2	-803.0	1140.0
1108	7991.2	-861.8	1140.0	1109	8089.5	-814.9	1140.0	1110	8089.5	-873.7	1140.0
1111	8187.8	-826.9	1140.0	1112	8187.8	-885.6	1140.0	1113	6025.2	300.5	1140.0
1114	6025.2	199.8	1140.0	1115	6123.5	288.6	1140.0	1116	6123.5	187.8	1140.0
1117	6221.8	276.6	1140.0	1118	6221.8	175.9	1140.0	1119	6320.1	264.7	1140.0
1120	6320.1	164.0	1140.0	1121	6418.4	252.7	1140.0	1122	6418.4	152.0	1140.0
1123	6516.7	240.8	1140.0	1124	6516.7	140.1	1140.0	1125	6615.0	228.9	1140.0
1126	6615.0	128.1	1140.0	1127	6713.3	216.9	1140.0	1128	6713.3	116.2	1140.0
1129	6811.6	205.0	1140.0	1130	6811.6	104.2	1140.0	1131	6909.9	193.0	1140.0
1132	6909.9	92.3	1140.0	1133	7008.2	181.1	1140.0	1134	7008.2	80.3	1140.0

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1135	6025.2	-1.7	1140.0	1136	6025.2	-102.4	1140.0	1137	6123.5	-13.6	1140.0
1138	6123.5	-114.4	1140.0	1139	6221.8	-25.6	1140.0	1140	6221.8	-126.3	1140.0
1141	6320.1	-37.5	1140.0	1142	6320.1	-138.3	1140.0	1143	6418.4	-49.5	1140.0
1144	6418.4	-150.2	1140.0	1145	6516.7	-61.4	1140.0	1146	6516.7	-162.1	1140.0
1147	6615.0	-73.3	1140.0	1148	6615.0	-174.1	1140.0	1149	6713.3	-85.3	1140.0
1150	6713.3	-186.0	1140.0	1151	6811.6	-97.2	1140.0	1152	6811.6	-198.0	1140.0
1153	6909.9	-109.2	1140.0	1154	6909.9	-209.9	1140.0	1155	7008.2	-121.1	1140.0
1156	7008.2	-221.9	1140.0	1157	6025.2	-303.9	1140.0	1158	6025.2	-404.6	1140.0
1159	6123.5	-315.8	1140.0	1160	6123.5	-416.6	1140.0	1161	6221.8	-327.8	1140.0
1162	6221.8	-428.5	1140.0	1163	6320.1	-339.7	1140.0	1164	6320.1	-440.5	1140.0
1165	6418.4	-351.7	1140.0	1166	6418.4	-452.4	1140.0	1167	6516.7	-363.6	1140.0
1168	6516.7	-464.3	1140.0	1169	6615.0	-375.6	1140.0	1170	6615.0	-476.3	1140.0
1171	6713.3	-387.5	1140.0	1172	6713.3	-488.2	1140.0	1173	6811.6	-399.4	1140.0
1174	6811.6	-500.2	1140.0	1175	6909.9	-411.4	1140.0	1176	6909.9	-512.1	1140.0
1177	7008.2	-423.3	1140.0	1178	7008.2	-524.1	1140.0	1179	6025.2	-564.1	1140.0
1180	6025.2	-622.9	1140.0	1181	6123.5	-576.1	1140.0	1182	6123.5	-634.8	1140.0
1183	6221.8	-588.0	1140.0	1184	6221.8	-646.8	1140.0	1185	6320.1	-600.0	1140.0
1186	6320.1	-658.7	1140.0	1187	6418.4	-611.9	1140.0	1188	6418.4	-670.7	1140.0
1189	6516.7	-623.8	1140.0	1190	6516.7	-682.6	1140.0	1191	6615.0	-635.8	1140.0
1192	6615.0	-694.5	1140.0	1193	6713.3	-647.7	1140.0	1194	6713.3	-706.5	1140.0
1195	6811.6	-659.7	1140.0	1196	6811.6	-718.4	1140.0	1197	6909.9	-671.6	1140.0
1198	6909.9	-730.4	1140.0	1199	7008.2	-683.6	1140.0	1200	7008.2	-742.3	1140.0
1201	383.4	1086.7	980.0	1202	383.4	784.5	980.0	1203	383.4	482.3	980.0
1204	383.4	180.1	980.0	1205	2742.6	800.1	980.0	1206	2742.6	497.9	980.0
1207	2742.6	195.7	980.0	1208	2742.6	-106.6	980.0	1209	2922.6	-128.4	980.0
1210	2922.6	173.8	980.0	1211	2922.6	476.0	980.0	1212	2922.6	778.2	980.0
1213	5746.9	-471.6	980.0	1214	5746.9	-169.3	980.0	1215	5746.9	132.9	980.0
1216	5746.9	435.1	980.0	1217	5926.9	413.2	980.0	1218	5926.9	111.0	980.0
1219	5926.9	-191.2	980.0	1220	5926.9	-493.4	980.0	1221	8286.1	126.6	980.0
1222	8286.1	-175.6	980.0	1223	8286.1	-477.9	980.0	1224	8286.1	-780.1	980.0
1225	383.4	1086.7	965.0	1226	383.4	784.5	965.0	1227	383.4	482.3	965.0
1228	383.4	180.1	965.0	1229	2742.6	800.1	965.0	1230	2742.6	497.9	965.0
1231	2742.6	195.7	965.0	1232	2742.6	-106.6	965.0	1233	2922.6	-128.4	965.0
1234	2922.6	173.8	965.0	1235	2922.6	476.0	965.0	1236	2922.6	778.2	965.0
1237	5746.9	-471.6	965.0	1238	5746.9	-169.3	965.0	1239	5746.9	132.9	965.0
1240	5746.9	435.1	965.0	1241	5926.9	413.2	965.0	1242	5926.9	111.0	965.0
1243	5926.9	-191.2	965.0	1244	5926.9	-493.4	965.0	1245	8286.1	126.6	965.0
1246	8286.1	-175.6	965.0	1247	8286.1	-477.9	965.0	1248	8286.1	-780.1	965.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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1249	383.4	1086.7	870.0	1250	383.4	784.5	870.0	1251	383.4	482.3	870.0
1252	383.4	180.1	870.0	1253	2742.6	800.1	870.0	1254	2742.6	497.9	870.0
1255	2742.6	195.7	870.0	1256	2742.6	-106.6	870.0	1257	2922.6	-128.4	870.0
1258	2922.6	173.8	870.0	1259	2922.6	476.0	870.0	1260	2922.6	778.2	870.0
1261	5746.9	-471.6	870.0	1262	5746.9	-169.3	870.0	1263	5746.9	132.9	870.0
1264	5746.9	435.1	870.0	1265	5926.9	413.2	870.0	1266	5926.9	111.0	870.0
1267	5926.9	-191.2	870.0	1268	5926.9	-493.4	870.0	1269	8286.1	126.6	870.0
1270	8286.1	-175.6	870.0	1271	8286.1	-477.9	870.0	1272	8286.1	-780.1	870.0
1273	653.4	751.7	0.0	1274	-93.3	842.4	0.0	1275	653.4	852.4	0.0
1276	-93.3	976.7	0.0	1277	8286.1	-477.9	783.0	1278	8286.1	-578.6	783.0
1279	8286.1	-578.6	870.0	1280	8286.1	-477.9	696.0	1281	8286.1	-578.6	696.0
1282	8286.1	-477.9	609.0	1283	8286.1	-578.6	609.0	1284	8286.1	-477.9	522.0
1285	8286.1	-578.6	522.0	1286	8286.1	-477.9	435.0	1287	8286.1	-578.6	435.0
1288	8286.1	-477.9	348.0	1289	8286.1	-578.6	348.0	1290	8286.1	-477.9	261.0
1291	8286.1	-578.6	261.0	1292	8286.1	-477.9	174.0	1293	8286.1	-578.6	174.0
1294	8286.1	-477.9	87.0	1295	8286.1	-578.6	87.0	1296	653.4	550.2	0.0
1297	8286.1	-679.3	783.0	1298	8286.1	-679.3	870.0	1299	8286.1	-679.3	696.0
1300	8286.1	-679.3	609.0	1301	8286.1	-679.3	522.0	1302	8286.1	-679.3	435.0
1303	8286.1	-679.3	348.0	1304	8286.1	-679.3	261.0	1305	8286.1	-679.3	174.0
1306	8286.1	-679.3	87.0	1307	-93.3	691.3	0.0	1308	8286.1	-780.1	783.0
1309	8286.1	-780.1	696.0	1310	8286.1	-780.1	609.0	1311	8286.1	-780.1	522.0
1312	8286.1	-780.1	435.0	1313	8286.1	-780.1	348.0	1314	8286.1	-780.1	261.0
1315	8286.1	-780.1	174.0	1316	8286.1	-780.1	87.0	1317	8286.1	-175.6	783.0
1318	8286.1	-276.4	783.0	1319	8286.1	-276.4	870.0	1320	8286.1	-175.6	696.0
1321	8286.1	-276.4	696.0	1322	8286.1	-175.6	609.0	1323	8286.1	-276.4	609.0
1324	8286.1	-175.6	522.0	1325	8286.1	-276.4	522.0	1326	8286.1	-175.6	435.0
1327	8286.1	-276.4	435.0	1328	8286.1	-175.6	348.0	1329	8286.1	-276.4	348.0
1330	8286.1	-175.6	261.0	1331	8286.1	-276.4	261.0	1332	8286.1	-175.6	174.0
1333	8286.1	-276.4	174.0	1334	8286.1	-175.6	87.0	1335	8286.1	-276.4	87.0
1336	653.4	449.5	0.0	1337	8286.1	-377.1	783.0	1338	8286.1	-377.1	870.0
1339	8286.1	-377.1	696.0	1340	8286.1	-377.1	609.0	1341	8286.1	-377.1	522.0
1342	8286.1	-377.1	435.0	1343	8286.1	-377.1	348.0	1344	8286.1	-377.1	261.0
1345	8286.1	-377.1	174.0	1346	8286.1	-377.1	87.0	1347	-93.3	540.2	0.0
1348	8286.1	126.6	783.0	1349	8286.1	25.8	783.0	1350	8286.1	25.8	870.0
1351	8286.1	126.6	696.0	1352	8286.1	25.8	696.0	1353	8286.1	126.6	609.0
1354	8286.1	25.8	609.0	1355	8286.1	126.6	522.0	1356	8286.1	25.8	522.0
1357	8286.1	126.6	435.0	1358	8286.1	25.8	435.0	1359	8286.1	126.6	348.0
1360	8286.1	25.8	348.0	1361	8286.1	126.6	261.0	1362	8286.1	25.8	261.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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1363	8286.1	126.6	174.0	1364	8286.1	25.8	174.0	1365	8286.1	126.6	87.0
1366	8286.1	25.8	87.0	1367	653.4	315.2	0.0	1368	8286.1	-74.9	783.0
1369	8286.1	-74.9	870.0	1370	8286.1	-74.9	696.0	1371	8286.1	-74.9	609.0
1372	8286.1	-74.9	522.0	1373	8286.1	-74.9	435.0	1374	8286.1	-74.9	348.0
1375	8286.1	-74.9	261.0	1376	8286.1	-74.9	174.0	1377	8286.1	-74.9	87.0
1378	-93.3	405.9	0.0	1379	8286.1	302.8	870.0	1380	8286.1	-956.3	870.0
1381	653.4	-29.0	0.0	1382	-93.3	61.7	0.0	1383	8286.1	-838.8	783.0
1384	8286.1	-838.8	870.0	1385	8286.1	-838.8	696.0	1386	8286.1	-838.8	609.0
1387	8286.1	-838.8	522.0	1388	8286.1	-838.8	435.0	1389	8286.1	-838.8	348.0
1390	8286.1	-838.8	261.0	1391	8286.1	-838.8	174.0	1392	8286.1	-838.8	87.0
1393	653.4	29.7	0.0	1394	8286.1	-897.6	783.0	1395	8286.1	-897.6	870.0
1396	8286.1	-897.6	696.0	1397	8286.1	-897.6	609.0	1398	8286.1	-897.6	522.0
1399	8286.1	-897.6	435.0	1400	8286.1	-897.6	348.0	1401	8286.1	-897.6	261.0
1402	8286.1	-897.6	174.0	1403	8286.1	-897.6	87.0	1404	-93.3	120.5	0.0
1405	8286.1	-956.3	783.0	1406	8286.1	-956.3	696.0	1407	8286.1	-956.3	609.0
1408	8286.1	-956.3	522.0	1409	8286.1	-956.3	435.0	1410	8286.1	-956.3	348.0
1411	8286.1	-956.3	261.0	1412	8286.1	-956.3	174.0	1413	8286.1	-956.3	87.0
1414	8286.1	185.3	783.0	1415	8286.1	185.3	870.0	1416	8286.1	185.3	696.0
1417	8286.1	185.3	609.0	1418	8286.1	185.3	522.0	1419	8286.1	185.3	435.0
1420	8286.1	185.3	348.0	1421	8286.1	185.3	261.0	1422	8286.1	185.3	174.0
1423	8286.1	185.3	87.0	1424	653.4	88.5	0.0	1425	8286.1	244.1	783.0
1426	8286.1	244.1	870.0	1427	8286.1	244.1	696.0	1428	8286.1	244.1	609.0
1429	8286.1	244.1	522.0	1430	8286.1	244.1	435.0	1431	8286.1	244.1	348.0
1432	8286.1	244.1	261.0	1433	8286.1	244.1	174.0	1434	8286.1	244.1	87.0
1435	-93.3	179.2	0.0	1436	8286.1	302.8	783.0	1437	8286.1	302.8	696.0
1438	8286.1	302.8	609.0	1439	8286.1	302.8	522.0	1440	8286.1	302.8	435.0
1441	8286.1	302.8	348.0	1442	8286.1	302.8	261.0	1443	8286.1	302.8	174.0
1444	8286.1	302.8	87.0	1445	5836.9	600.4	870.0	1446	5836.9	-658.8	0.0
1447	5836.9	600.4	0.0	1448	5836.9	424.1	0.0	1449	5836.9	-482.5	0.0
1450	5836.9	121.9	0.0	1451	5836.9	-180.3	0.0	1452	2912.0	897.0	870.0
1453	5836.9	-658.8	870.0	1454	5836.9	424.1	870.0	1455	5836.9	121.9	870.0
1456	5836.9	-180.3	870.0	1457	5836.9	-482.5	870.0	1458	5836.9	-482.5	783.0
1459	5836.9	-541.3	783.0	1460	5836.9	-541.3	870.0	1461	5836.9	-482.5	696.0
1462	5836.9	-541.3	696.0	1463	5836.9	-482.5	609.0	1464	5836.9	-541.3	609.0
1465	5836.9	-482.5	522.0	1466	5836.9	-541.3	522.0	1467	5836.9	-482.5	435.0
1468	5836.9	-541.3	435.0	1469	5836.9	-482.5	348.0	1470	5836.9	-541.3	348.0
1471	5836.9	-482.5	261.0	1472	5836.9	-541.3	261.0	1473	5836.9	-482.5	174.0
1474	5836.9	-541.3	174.0	1475	5836.9	-482.5	87.0	1476	5836.9	-541.3	87.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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1477	5836.9	-541.3	0.0	1478	5836.9	-600.0	783.0	1479	5836.9	-600.0	870.0
1480	5836.9	-600.0	696.0	1481	5836.9	-600.0	609.0	1482	5836.9	-600.0	522.0
1483	5836.9	-600.0	435.0	1484	5836.9	-600.0	348.0	1485	5836.9	-600.0	261.0
1486	5836.9	-600.0	174.0	1487	5836.9	-600.0	87.0	1488	5836.9	-600.0	0.0
1489	5836.9	-658.8	783.0	1490	5836.9	-658.8	696.0	1491	5836.9	-658.8	609.0
1492	5836.9	-658.8	522.0	1493	5836.9	-658.8	435.0	1494	5836.9	-658.8	348.0
1495	5836.9	-658.8	261.0	1496	5836.9	-658.8	174.0	1497	5836.9	-658.8	87.0
1498	5836.9	-180.3	783.0	1499	5836.9	-281.0	783.0	1500	5836.9	-281.0	870.0
1501	5836.9	-180.3	696.0	1502	5836.9	-281.0	696.0	1503	5836.9	-180.3	609.0
1504	5836.9	-281.0	609.0	1505	5836.9	-180.3	522.0	1506	5836.9	-281.0	522.0
1507	5836.9	-180.3	435.0	1508	5836.9	-281.0	435.0	1509	5836.9	-180.3	348.0
1510	5836.9	-281.0	348.0	1511	5836.9	-180.3	261.0	1512	5836.9	-281.0	261.0
1513	5836.9	-180.3	174.0	1514	5836.9	-281.0	174.0	1515	5836.9	-180.3	87.0
1516	5836.9	-281.0	87.0	1517	5836.9	-281.0	0.0	1518	5836.9	-381.8	783.0
1519	5836.9	-381.8	870.0	1520	5836.9	-381.8	696.0	1521	5836.9	-381.8	609.0
1522	5836.9	-381.8	522.0	1523	5836.9	-381.8	435.0	1524	5836.9	-381.8	348.0
1525	5836.9	-381.8	261.0	1526	5836.9	-381.8	174.0	1527	5836.9	-381.8	87.0
1528	5836.9	-381.8	0.0	1529	5836.9	121.9	783.0	1530	5836.9	21.2	783.0
1531	5836.9	21.2	870.0	1532	5836.9	121.9	696.0	1533	5836.9	21.2	696.0
1534	5836.9	121.9	609.0	1535	5836.9	21.2	609.0	1536	5836.9	121.9	522.0
1537	5836.9	21.2	522.0	1538	5836.9	121.9	435.0	1539	5836.9	21.2	435.0
1540	5836.9	121.9	348.0	1541	5836.9	21.2	348.0	1542	5836.9	121.9	261.0
1543	5836.9	21.2	261.0	1544	5836.9	121.9	174.0	1545	5836.9	21.2	174.0
1546	5836.9	121.9	87.0	1547	5836.9	21.2	87.0	1548	5836.9	21.2	0.0
1549	5836.9	-79.5	783.0	1550	5836.9	-79.5	870.0	1551	5836.9	-79.5	696.0
1552	5836.9	-79.5	609.0	1553	5836.9	-79.5	522.0	1554	5836.9	-79.5	435.0
1555	5836.9	-79.5	348.0	1556	5836.9	-79.5	261.0	1557	5836.9	-79.5	174.0
1558	5836.9	-79.5	87.0	1559	5836.9	-79.5	0.0	1560	5836.9	424.1	783.0
1561	5836.9	323.4	783.0	1562	5836.9	323.4	870.0	1563	5836.9	424.1	696.0
1564	5836.9	323.4	696.0	1565	5836.9	424.1	609.0	1566	5836.9	323.4	609.0
1567	5836.9	424.1	522.0	1568	5836.9	323.4	522.0	1569	5836.9	424.1	435.0
1570	5836.9	323.4	435.0	1571	5836.9	424.1	348.0	1572	5836.9	323.4	348.0
1573	5836.9	424.1	261.0	1574	5836.9	323.4	261.0	1575	5836.9	424.1	174.0
1576	5836.9	323.4	174.0	1577	5836.9	424.1	87.0	1578	5836.9	323.4	87.0
1579	5836.9	323.4	0.0	1580	5836.9	222.7	783.0	1581	5836.9	222.7	870.0
1582	5836.9	222.7	696.0	1583	5836.9	222.7	609.0	1584	5836.9	222.7	522.0
1585	5836.9	222.7	435.0	1586	5836.9	222.7	348.0	1587	5836.9	222.7	261.0
1588	5836.9	222.7	174.0	1589	5836.9	222.7	87.0	1590	5836.9	222.7	0.0

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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1591	5836.9	600.4	783.0	1592	5836.9	541.7	783.0	1593	5836.9	541.7	870.0
1594	5836.9	600.4	696.0	1595	5836.9	541.7	696.0	1596	5836.9	600.4	609.0
1597	5836.9	541.7	609.0	1598	5836.9	600.4	522.0	1599	5836.9	541.7	522.0
1600	5836.9	600.4	435.0	1601	5836.9	541.7	435.0	1602	5836.9	600.4	348.0
1603	5836.9	541.7	348.0	1604	5836.9	600.4	261.0	1605	5836.9	541.7	261.0
1606	5836.9	600.4	174.0	1607	5836.9	541.7	174.0	1608	5836.9	600.4	87.0
1609	5836.9	541.7	87.0	1610	5836.9	541.7	0.0	1611	5836.9	482.9	783.0
1612	5836.9	482.9	870.0	1613	5836.9	482.9	696.0	1614	5836.9	482.9	609.0
1615	5836.9	482.9	522.0	1616	5836.9	482.9	435.0	1617	5836.9	482.9	348.0
1618	5836.9	482.9	261.0	1619	5836.9	482.9	174.0	1620	5836.9	482.9	87.0
1621	5836.9	482.9	0.0	1622	2832.6	184.7	870.0	1623	2832.6	486.9	870.0
1624	2832.6	789.1	870.0	1625	2832.6	965.4	870.0	1626	2832.6	-293.8	870.0
1627	2832.6	-117.5	870.0	1628	2832.6	184.7	0.0	1629	2832.6	486.9	0.0
1630	2832.6	789.1	0.0	1631	8122.8	-155.8	0.0	1632	2832.6	-293.8	0.0
1633	2832.6	-117.5	0.0	1634	2832.6	-117.5	783.0	1635	2832.6	-176.3	783.0
1636	2832.6	-176.3	870.0	1637	2832.6	-117.5	696.0	1638	2832.6	-176.3	696.0
1639	2832.6	-117.5	609.0	1640	2832.6	-176.3	609.0	1641	2832.6	-117.5	522.0
1642	2832.6	-176.3	522.0	1643	2832.6	-117.5	435.0	1644	2832.6	-176.3	435.0
1645	2832.6	-117.5	348.0	1646	2832.6	-176.3	348.0	1647	2832.6	-117.5	261.0
1648	2832.6	-176.3	261.0	1649	2832.6	-117.5	174.0	1650	2832.6	-176.3	174.0
1651	2832.6	-117.5	87.0	1652	2832.6	-176.3	87.0	1653	2832.6	-176.3	0.0
1654	2832.6	-235.0	783.0	1655	2832.6	-235.0	870.0	1656	2832.6	-235.0	696.0
1657	2832.6	-235.0	609.0	1658	2832.6	-235.0	522.0	1659	2832.6	-235.0	435.0
1660	2832.6	-235.0	348.0	1661	2832.6	-235.0	261.0	1662	2832.6	-235.0	174.0
1663	2832.6	-235.0	87.0	1664	2832.6	-235.0	0.0	1665	2832.6	-293.8	783.0
1666	2832.6	-293.8	696.0	1667	2832.6	-293.8	609.0	1668	2832.6	-293.8	522.0
1669	2832.6	-293.8	435.0	1670	2832.6	-293.8	348.0	1671	2832.6	-293.8	261.0
1672	2832.6	-293.8	174.0	1673	2832.6	-293.8	87.0	1674	2832.6	184.7	783.0
1675	2832.6	84.0	783.0	1676	2832.6	84.0	870.0	1677	2832.6	184.7	696.0
1678	2832.6	84.0	696.0	1679	2832.6	184.7	609.0	1680	2832.6	84.0	609.0
1681	2832.6	184.7	522.0	1682	2832.6	84.0	522.0	1683	2832.6	184.7	435.0
1684	2832.6	84.0	435.0	1685	2832.6	184.7	348.0	1686	2832.6	84.0	348.0
1687	2832.6	184.7	261.0	1688	2832.6	84.0	261.0	1689	2832.6	184.7	174.0
1690	2832.6	84.0	174.0	1691	2832.6	184.7	87.0	1692	2832.6	84.0	87.0
1693	2832.6	84.0	0.0	1694	2832.6	-16.8	783.0	1695	2832.6	-16.8	870.0
1696	2832.6	-16.8	696.0	1697	2832.6	-16.8	609.0	1698	2832.6	-16.8	522.0
1699	2832.6	-16.8	435.0	1700	2832.6	-16.8	348.0	1701	2832.6	-16.8	261.0
1702	2832.6	-16.8	174.0	1703	2832.6	-16.8	87.0	1704	2832.6	-16.8	0.0

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

1705	2832.6	486.9	783.0	1706	2832.6	386.2	783.0	1707	2832.6	386.2	870.0
1708	2832.6	486.9	696.0	1709	2832.6	386.2	696.0	1710	2832.6	486.9	609.0
1711	2832.6	386.2	609.0	1712	2832.6	486.9	522.0	1713	2832.6	386.2	522.0
1714	2832.6	486.9	435.0	1715	2832.6	386.2	435.0	1716	2832.6	486.9	348.0
1717	2832.6	386.2	348.0	1718	2832.6	486.9	261.0	1719	2832.6	386.2	261.0
1720	2832.6	486.9	174.0	1721	2832.6	386.2	174.0	1722	2832.6	486.9	87.0
1723	2832.6	386.2	87.0	1724	2832.6	386.2	0.0	1725	2832.6	285.5	783.0
1726	2832.6	285.5	870.0	1727	2832.6	285.5	696.0	1728	2832.6	285.5	609.0
1729	2832.6	285.5	522.0	1730	2832.6	285.5	435.0	1731	2832.6	285.5	348.0
1732	2832.6	285.5	261.0	1733	2832.6	285.5	174.0	1734	2832.6	285.5	87.0
1735	2832.6	285.5	0.0	1736	2832.6	789.1	783.0	1737	2832.6	688.4	783.0
1738	2832.6	688.4	870.0	1739	2832.6	789.1	696.0	1740	2832.6	688.4	696.0
1741	2832.6	789.1	609.0	1742	2832.6	688.4	609.0	1743	2832.6	789.1	522.0
1744	2832.6	688.4	522.0	1745	2832.6	789.1	435.0	1746	2832.6	688.4	435.0
1747	2832.6	789.1	348.0	1748	2832.6	688.4	348.0	1749	2832.6	789.1	261.0
1750	2832.6	688.4	261.0	1751	2832.6	789.1	174.0	1752	2832.6	688.4	174.0
1753	2832.6	789.1	87.0	1754	2832.6	688.4	87.0	1755	2832.6	688.4	0.0
1756	2832.6	587.7	783.0	1757	2832.6	587.7	870.0	1758	2832.6	587.7	696.0
1759	2832.6	587.7	609.0	1760	2832.6	587.7	522.0	1761	2832.6	587.7	435.0
1762	2832.6	587.7	348.0	1763	2832.6	587.7	261.0	1764	2832.6	587.7	174.0
1765	2832.6	587.7	87.0	1766	2832.6	587.7	0.0	1767	2832.6	965.4	783.0
1768	2832.6	906.7	783.0	1769	2832.6	906.7	870.0	1770	2832.6	965.4	696.0
1771	2832.6	906.7	696.0	1772	2832.6	965.4	609.0	1773	2832.6	906.7	609.0
1774	2832.6	965.4	522.0	1775	2832.6	906.7	522.0	1776	2832.6	965.4	435.0
1777	2832.6	906.7	435.0	1778	2832.6	965.4	348.0	1779	2832.6	906.7	348.0
1780	2832.6	965.4	261.0	1781	2832.6	906.7	261.0	1782	2832.6	965.4	174.0
1783	2832.6	906.7	174.0	1784	2832.6	965.4	87.0	1785	2832.6	906.7	87.0
1786	2832.6	906.7	0.0	1787	2832.6	847.9	783.0	1788	2832.6	847.9	870.0
1789	2832.6	847.9	696.0	1790	2832.6	847.9	609.0	1791	2832.6	847.9	522.0
1792	2832.6	847.9	435.0	1793	2832.6	847.9	348.0	1794	2832.6	847.9	261.0
1795	2832.6	847.9	174.0	1796	2832.6	847.9	87.0	1797	2832.6	847.9	0.0
1798	383.4	1263.0	870.0	1799	383.4	3.8	870.0	1800	383.4	1263.0	0.0
1801	383.4	3.8	0.0	1802	383.4	1086.7	0.0	1803	383.4	784.5	0.0
1804	383.4	482.3	0.0	1805	383.4	180.1	0.0	1806	383.4	180.1	783.0
1807	383.4	121.3	783.0	1808	383.4	121.3	870.0	1809	383.4	180.1	696.0
1810	383.4	121.3	696.0	1811	383.4	180.1	609.0	1812	383.4	121.3	609.0
1813	383.4	180.1	522.0	1814	383.4	121.3	522.0	1815	383.4	180.1	435.0
1816	383.4	121.3	435.0	1817	383.4	180.1	348.0	1818	383.4	121.3	348.0

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1819	383.4	180.1	261.0	1820	383.4	121.3	261.0	1821	383.4	180.1	174.0
1822	383.4	121.3	174.0	1823	383.4	180.1	87.0	1824	383.4	121.3	87.0
1825	383.4	121.3	0.0	1826	383.4	62.6	783.0	1827	383.4	62.6	870.0
1828	383.4	62.6	696.0	1829	383.4	62.6	609.0	1830	383.4	62.6	522.0
1831	383.4	62.6	435.0	1832	383.4	62.6	348.0	1833	383.4	62.6	261.0
1834	383.4	62.6	174.0	1835	383.4	62.6	87.0	1836	383.4	62.6	0.0
1837	383.4	3.8	783.0	1838	383.4	3.8	696.0	1839	383.4	3.8	609.0
1840	383.4	3.8	522.0	1841	383.4	3.8	435.0	1842	383.4	3.8	348.0
1843	383.4	3.8	261.0	1844	383.4	3.8	174.0	1845	383.4	3.8	87.0
1846	383.4	482.3	783.0	1847	383.4	381.5	783.0	1848	383.4	381.5	870.0
1849	383.4	482.3	696.0	1850	383.4	381.5	696.0	1851	383.4	482.3	609.0
1852	383.4	381.5	609.0	1853	383.4	482.3	522.0	1854	383.4	381.5	522.0
1855	383.4	482.3	435.0	1856	383.4	381.5	435.0	1857	383.4	482.3	348.0
1858	383.4	381.5	348.0	1859	383.4	482.3	261.0	1860	383.4	381.5	261.0
1861	383.4	482.3	174.0	1862	383.4	381.5	174.0	1863	383.4	482.3	87.0
1864	383.4	381.5	87.0	1865	383.4	381.5	0.0	1866	383.4	280.8	783.0
1867	383.4	280.8	870.0	1868	383.4	280.8	696.0	1869	383.4	280.8	609.0
1870	383.4	280.8	522.0	1871	383.4	280.8	435.0	1872	383.4	280.8	348.0
1873	383.4	280.8	261.0	1874	383.4	280.8	174.0	1875	383.4	280.8	87.0
1876	383.4	280.8	0.0	1877	383.4	784.5	783.0	1878	383.4	683.8	783.0
1879	383.4	683.8	870.0	1880	383.4	784.5	696.0	1881	383.4	683.8	696.0
1882	383.4	784.5	609.0	1883	383.4	683.8	609.0	1884	383.4	784.5	522.0
1885	383.4	683.8	522.0	1886	383.4	784.5	435.0	1887	383.4	683.8	435.0
1888	383.4	784.5	348.0	1889	383.4	683.8	348.0	1890	383.4	784.5	261.0
1891	383.4	683.8	261.0	1892	383.4	784.5	174.0	1893	383.4	683.8	174.0
1894	383.4	784.5	87.0	1895	383.4	683.8	87.0	1896	383.4	683.8	0.0
1897	383.4	583.0	783.0	1898	383.4	583.0	870.0	1899	383.4	583.0	696.0
1900	383.4	583.0	609.0	1901	383.4	583.0	522.0	1902	383.4	583.0	435.0
1903	383.4	583.0	348.0	1904	383.4	583.0	261.0	1905	383.4	583.0	174.0
1906	383.4	583.0	87.0	1907	383.4	583.0	0.0	1908	383.4	1086.7	783.0
1909	383.4	986.0	783.0	1910	383.4	986.0	870.0	1911	383.4	1086.7	696.0
1912	383.4	986.0	696.0	1913	383.4	1086.7	609.0	1914	383.4	986.0	609.0
1915	383.4	1086.7	522.0	1916	383.4	986.0	522.0	1917	383.4	1086.7	435.0
1918	383.4	986.0	435.0	1919	383.4	1086.7	348.0	1920	383.4	986.0	348.0
1921	383.4	1086.7	261.0	1922	383.4	986.0	261.0	1923	383.4	1086.7	174.0
1924	383.4	986.0	174.0	1925	383.4	1086.7	87.0	1926	383.4	986.0	87.0
1927	383.4	986.0	0.0	1928	383.4	885.2	783.0	1929	383.4	885.2	870.0
1930	383.4	885.2	696.0	1931	383.4	885.2	609.0	1932	383.4	885.2	522.0

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1933	383.4	885.2	435.0	1934	383.4	885.2	348.0	1935	383.4	885.2	261.0
1936	383.4	885.2	174.0	1937	383.4	885.2	87.0	1938	383.4	885.2	0.0
1939	383.4	1263.0	783.0	1940	383.4	1204.2	783.0	1941	383.4	1204.2	870.0
1942	383.4	1263.0	696.0	1943	383.4	1204.2	696.0	1944	383.4	1263.0	609.0
1945	383.4	1204.2	609.0	1946	383.4	1263.0	522.0	1947	383.4	1204.2	522.0
1948	383.4	1263.0	435.0	1949	383.4	1204.2	435.0	1950	383.4	1263.0	348.0
1951	383.4	1204.2	348.0	1952	383.4	1263.0	261.0	1953	383.4	1204.2	261.0
1954	383.4	1263.0	174.0	1955	383.4	1204.2	174.0	1956	383.4	1263.0	87.0
1957	383.4	1204.2	87.0	1958	383.4	1204.2	0.0	1959	383.4	1145.5	783.0
1960	383.4	1145.5	870.0	1961	383.4	1145.5	696.0	1962	383.4	1145.5	609.0
1963	383.4	1145.5	522.0	1964	383.4	1145.5	435.0	1965	383.4	1145.5	348.0
1966	383.4	1145.5	261.0	1967	383.4	1145.5	174.0	1968	383.4	1145.5	87.0
1969	383.4	1145.5	0.0	1970	2673.8	-274.5	870.0	1971	2991.4	-313.1	870.0
1972	2673.8	984.7	870.0	1973	2991.4	946.1	870.0	1974	5678.1	619.7	870.0
1975	5995.7	581.1	870.0	1976	5678.1	-639.5	870.0	1977	5995.7	-678.1	870.0
1978	2673.8	-98.2	870.0	1979	2673.8	204.0	870.0	1980	2673.8	506.2	870.0
1981	2673.8	808.4	870.0	1982	2991.4	769.8	870.0	1983	2991.4	467.6	870.0
1984	2991.4	165.4	870.0	1985	2991.4	-136.8	870.0	1986	2673.8	2.5	870.0
1987	2673.8	103.3	870.0	1988	2673.8	304.8	870.0	1989	2673.8	405.5	870.0
1990	2673.8	607.0	870.0	1991	2673.8	707.7	870.0	1992	2673.8	867.2	870.0
1993	2673.8	926.0	870.0	1994	2742.6	94.9	870.0	1995	2742.6	-5.8	870.0
1996	2742.6	397.1	870.0	1997	2742.6	296.4	870.0	1998	2742.6	699.3	870.0
1999	2742.6	598.6	870.0	2000	2991.4	887.4	870.0	2001	2753.2	-166.6	870.0
2002	2673.8	-157.0	870.0	2003	2753.2	-225.4	870.0	2004	2673.8	-215.7	870.0
2005	2753.2	-284.1	870.0	2006	2753.2	975.1	870.0	2007	2753.2	916.3	870.0
2008	2753.2	857.5	870.0	2009	2912.0	838.2	870.0	2010	2991.4	828.6	870.0
2011	2912.0	-185.9	870.0	2012	2991.4	-195.5	870.0	2013	2912.0	-244.7	870.0
2014	2991.4	-254.3	870.0	2015	2912.0	-303.4	870.0	2016	2922.6	73.0	870.0
2017	2922.6	-27.7	870.0	2018	2922.6	375.3	870.0	2019	2922.6	274.5	870.0
2020	2922.6	677.5	870.0	2021	2922.6	576.7	870.0	2022	2991.4	64.7	870.0
2023	2991.4	-36.1	870.0	2024	2991.4	366.9	870.0	2025	2991.4	266.2	870.0
2026	2991.4	669.1	870.0	2027	2991.4	568.4	870.0	2028	2912.0	955.8	870.0
2029	5678.1	-463.2	870.0	2030	5678.1	-161.0	870.0	2031	5678.1	141.2	870.0
2032	5678.1	443.4	870.0	2033	5995.7	404.8	870.0	2034	5995.7	102.6	870.0
2035	5995.7	-199.6	870.0	2036	5995.7	-501.8	870.0	2037	5916.3	11.5	870.0
2038	5757.5	-531.6	870.0	2039	5678.1	-522.0	870.0	2040	5757.5	-590.4	870.0
2041	5678.1	-580.7	870.0	2042	5757.5	-649.1	870.0	2043	5995.7	1.9	870.0
2044	5916.3	-550.9	870.0	2045	5995.7	-560.5	870.0	2046	5916.3	-609.7	870.0

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2047	5995.7	-619.3	870.0	2048	5916.3	-668.4	870.0	2049	5916.3	-89.2	870.0
2050	5757.5	-271.4	870.0	2051	5678.1	-261.7	870.0	2052	5757.5	-372.1	870.0
2053	5678.1	-362.5	870.0	2054	5995.7	-98.8	870.0	2055	5995.7	-401.1	870.0
2056	5757.5	30.8	870.0	2057	5678.1	40.5	870.0	2058	5757.5	-69.9	870.0
2059	5678.1	-60.3	870.0	2060	5916.3	-290.7	870.0	2061	5757.5	333.0	870.0
2062	5678.1	342.7	870.0	2063	5757.5	232.3	870.0	2064	5678.1	242.0	870.0
2065	5757.5	610.1	870.0	2066	5757.5	551.3	870.0	2067	5678.1	560.9	870.0
2068	5757.5	492.5	870.0	2069	5678.1	502.2	870.0	2070	5916.3	590.8	870.0
2071	5916.3	532.0	870.0	2072	5995.7	522.4	870.0	2073	5916.3	473.2	870.0
2074	5995.7	463.6	870.0	2075	5995.7	-300.3	870.0	2076	5916.3	313.7	870.0
2077	5995.7	304.1	870.0	2078	5916.3	213.0	870.0	2079	5995.7	203.4	870.0
2080	5916.3	-391.4	870.0	2081	2575.9	-86.3	0.0	2082	2575.9	-145.1	0.0
2083	2575.9	-203.8	0.0	2084	2575.9	115.2	0.0	2085	5836.9	-229.2	0.0
2086	8262.8	-38.5	0.0	2087	8029.5	-581.0	0.0	2088	8776.2	-386.3	0.0
2089	653.4	147.3	0.0	2090	-93.3	238.0	0.0	2091	653.4	248.0	0.0
2092	-93.3	338.7	0.0	2093	-93.3	11.3	0.0	2094	-93.3	1371.3	0.0
2095	653.4	1280.5	0.0	2096	653.4	-79.4	0.0	2097	8029.5	-295.6	0.0
2098	8262.8	-609.3	0.0	2099	8029.5	-144.5	0.0	2100	8029.5	275.3	0.0
2101	8506.2	-865.5	0.0	2102	8506.2	-924.3	0.0	2103	653.4	600.6	0.0
2104	-93.3	741.7	0.0	2105	8506.2	-605.3	0.0	2106	8506.2	-706.1	0.0
2107	8506.2	-303.1	0.0	2108	8506.2	-403.8	0.0	2109	8506.2	-0.9	0.0
2110	8506.2	-101.6	0.0	2111	8506.2	217.4	0.0	2112	8506.2	158.6	0.0
2113	8029.5	-975.5	0.0	2114	8029.5	384.4	0.0	2115	8776.2	293.7	0.0
2116	8776.2	-1066.2	0.0	2117	8262.8	-475.0	0.0	2118	8122.8	-458.0	0.0
2119	8262.8	-1003.9	0.0	2120	8262.8	-953.5	0.0	2121	8122.8	-936.5	0.0
2122	8262.8	-894.7	0.0	2123	8262.8	-836.0	0.0	2124	8122.8	-819.0	0.0
2125	8262.8	-777.2	0.0	2126	8122.8	-760.2	0.0	2127	8262.8	-273.5	0.0
2128	8122.8	-256.5	0.0	2129	8682.8	254.7	0.0	2130	8776.2	243.3	0.0
2131	8682.8	305.0	0.0	2132	8776.2	184.6	0.0	2133	8682.8	137.1	0.0
2134	8776.2	125.8	0.0	2135	8682.8	78.4	0.0	2136	8776.2	67.0	0.0
2137	8682.8	-123.1	0.0	2138	8776.2	-134.4	0.0	2139	8776.2	-235.2	0.0
2140	8682.8	-223.8	0.0	2141	8682.8	-526.0	0.0	2142	8776.2	-537.4	0.0
2143	8776.2	-436.7	0.0	2144	8682.8	-425.3	0.0	2145	8682.8	-1054.9	0.0
2146	8776.2	-1015.9	0.0	2147	8682.8	-1004.5	0.0	2148	8776.2	-957.1	0.0
2149	8776.2	-898.4	0.0	2150	8682.8	-887.0	0.0	2151	8776.2	-839.6	0.0
2152	8682.8	-828.3	0.0	2153	0.0	1309.6	0.0	2154	0.0	1359.9	0.0
2156	0.0	1192.0	0.0	2157	0.0	1133.3	0.0	2159	0.0	1032.5	0.0
2160	0.0	730.3	0.0	2161	0.0	831.1	0.0	2162	0.0	528.9	0.0

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2165	0.0	327.4	0.0	2166	0.0	-1.71e-04	0.0	2167	0.0	50.4	0.0
2169	0.0	167.9	0.0	2170	0.0	226.7	0.0	2171	280.0	1275.5	0.0
2172	280.0	1325.9	0.0	2174	280.0	1158.0	0.0	2175	280.0	1099.3	0.0
2177	280.0	998.5	0.0	2178	280.0	696.3	0.0	2179	280.0	797.0	0.0
2180	280.0	494.8	0.0	2183	280.0	293.4	0.0	2184	280.0	-34.0	0.0
2185	280.0	16.3	0.0	2187	280.0	133.9	0.0	2188	280.0	192.6	0.0
2189	560.0	1241.5	0.0	2190	560.0	1291.9	0.0	2192	560.0	1124.0	0.0
2193	560.0	1065.2	0.0	2194	560.0	863.8	0.0	2197	560.0	763.0	0.0
2198	560.0	460.8	0.0	2199	560.0	561.6	0.0	2201	560.0	259.3	0.0
2202	560.0	-68.0	0.0	2203	560.0	-17.7	0.0	2205	560.0	99.9	0.0
2206	560.0	158.6	0.0	2207	383.4	1313.4	0.0	2208	383.4	-46.6	0.0
2209	140.0	1292.5	0.0	2210	140.0	1342.9	0.0	2211	140.0	1233.8	0.0
2212	140.0	1175.0	0.0	2213	140.0	1116.3	0.0	2214	140.0	948.4	0.0
2215	140.0	1015.5	0.0	2216	140.0	713.3	0.0	2217	140.0	814.1	0.0
2218	140.0	511.9	0.0	2219	140.0	663.0	0.0	2220	140.0	377.5	0.0
2221	140.0	310.4	0.0	2222	140.0	-17.0	0.0	2223	140.0	33.4	0.0
2224	140.0	92.1	0.0	2225	140.0	150.9	0.0	2226	140.0	209.6	0.0
2227	8776.2	-738.9	0.0	2228	8682.8	-727.5	0.0	2229	8029.5	334.0	0.0
2230	8122.8	322.7	0.0	2231	8122.8	373.1	0.0	2232	2832.6	965.4	0.0
2233	3089.3	153.5	0.0	2234	3089.3	455.7	0.0	2235	2575.9	820.3	0.0
2236	2575.9	-262.6	0.0	2247	2575.9	14.4	0.0	2248	2575.9	417.4	0.0
2249	2575.9	316.6	0.0	2250	2575.9	719.6	0.0	2251	2575.9	618.8	0.0
2252	2575.9	937.8	0.0	2253	2575.9	879.1	0.0	2254	2575.9	567.0	0.0
2255	2575.9	167.0	0.0	2256	2575.9	996.6	0.0	2257	2575.9	1047.0	0.0
2258	2575.9	-313.0	0.0	2259	2575.9	215.9	0.0	2260	2575.9	518.1	0.0
2261	2680.9	983.8	0.0	2262	2680.9	1034.2	0.0	2264	2680.9	866.3	0.0
2265	2680.9	807.6	0.0	2267	2680.9	606.1	0.0	2268	2680.9	554.2	0.0
2269	2680.9	505.4	0.0	2270	2680.9	404.6	0.0	2271	2680.9	303.9	0.0
2272	2680.9	102.4	0.0	2273	2680.9	154.3	0.0	2274	3089.3	757.9	0.0
2275	5988.6	2.8	0.0	2276	3089.3	-325.0	0.0	2277	2680.9	203.1	0.0
2278	3089.3	-148.7	0.0	2279	3089.3	-207.4	0.0	2281	8029.5	-446.7	0.0
2282	8029.5	-648.1	0.0	2283	8029.5	-925.2	0.0	2284	8029.5	-866.4	0.0
2285	8029.5	-807.6	0.0	2286	8029.5	-748.9	0.0	2287	8262.8	305.7	0.0
2288	8402.8	288.7	0.0	2289	8402.8	339.0	0.0	2290	8262.8	356.0	0.0
2291	8262.8	246.9	0.0	2292	8262.8	188.2	0.0	2293	8402.8	171.1	0.0
2294	8262.8	129.4	0.0	2295	8402.8	112.4	0.0	2296	8402.8	11.7	0.0
2297	8262.8	28.7	0.0	2298	8029.5	216.5	0.0	2299	2680.9	-99.1	0.0
2300	8402.8	-290.6	0.0	2301	2680.9	-157.8	0.0	2303	2680.9	-275.3	0.0

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2304	2680.9	-325.7	0.0	2305	2832.6	1015.8	0.0	2306	2832.6	-344.1	0.0
2307	2984.3	947.0	0.0	2308	2984.3	997.4	0.0	2310	2984.3	829.5	0.0
2311	2984.3	770.7	0.0	2313	2984.3	569.2	0.0	2314	2984.3	517.4	0.0
2315	2984.3	468.5	0.0	2316	8122.8	205.2	0.0	2317	3089.3	-266.2	0.0
2318	3089.3	52.8	0.0	2319	3089.3	-47.9	0.0	2320	3089.3	355.0	0.0
2321	3089.3	254.3	0.0	2322	2832.6	535.8	0.0	2323	3089.3	657.2	0.0
2324	3089.3	556.5	0.0	2325	3089.3	875.5	0.0	2326	3089.3	816.7	0.0
2327	2832.6	135.8	0.0	2328	3089.3	504.6	0.0	2329	3089.3	104.6	0.0
2330	3089.3	934.2	0.0	2331	5988.6	-98.0	0.0	2332	8402.8	-189.8	0.0
2333	8262.8	-172.8	0.0	2334	8402.8	-492.0	0.0	2335	8402.8	-693.5	0.0
2336	8402.8	-1020.9	0.0	2337	8402.8	-970.5	0.0	2338	8402.8	-853.0	0.0
2339	8402.8	-794.2	0.0	2340	8506.2	326.5	0.0	2341	8506.2	-1033.4	0.0
2342	8286.1	-175.6	0.0	2343	8286.1	-477.9	0.0	2344	8029.5	157.7	0.0
2345	8286.1	-326.7	0.0	2346	8286.1	-612.2	0.0	2347	8122.8	146.4	0.0
2348	8286.1	-679.3	0.0	2349	8122.8	45.7	0.0	2350	8029.5	57.0	0.0
2351	8286.1	-1006.7	0.0	2352	8286.1	-956.3	0.0	2353	8286.1	-897.6	0.0
2354	8286.1	-838.8	0.0	2355	8286.1	-780.1	0.0	2356	6093.6	-740.3	0.0
2357	8286.1	302.8	0.0	2358	8286.1	353.2	0.0	2359	8286.1	244.1	0.0
2360	8286.1	185.3	0.0	2361	8286.1	126.6	0.0	2362	8286.1	-41.3	0.0
2363	8286.1	25.8	0.0	2364	8286.1	-276.4	0.0	2365	2984.3	367.8	0.0
2366	2984.3	267.0	0.0	2367	2984.3	65.6	0.0	2368	8029.5	-245.2	0.0
2369	3089.3	984.6	0.0	2370	2984.3	117.4	0.0	2371	2984.3	166.3	0.0
2373	2984.3	-135.9	0.0	2374	2984.3	-194.7	0.0	2376	2984.3	-312.2	0.0
2377	2984.3	-362.6	0.0	2379	2575.9	252.8	0.0	2380	2832.6	221.7	0.0
2381	3089.3	418.8	0.0	2384	2575.9	481.2	0.0	2385	2832.6	450.0	0.0
2386	3089.3	190.5	0.0	2388	3089.3	-375.3	0.0	2389	8122.8	-659.5	0.0
2390	8262.8	-676.5	0.0	2391	8122.8	-986.9	0.0	2392	653.4	1230.2	0.0
2393	-93.3	1320.9	0.0	2394	653.4	1171.4	0.0	2395	-93.3	1262.1	0.0
2396	653.4	1112.7	0.0	2397	-93.3	1203.4	0.0	2398	8262.8	-323.9	0.0
2399	-93.3	1043.9	0.0	2400	653.4	1053.9	0.0	2401	-93.3	1144.6	0.0
2402	8506.2	276.1	0.0	2403	8506.2	-983.1	0.0	2404	8506.2	99.8	0.0
2405	8506.2	-202.4	0.0	2406	8506.2	-504.6	0.0	2407	8506.2	-806.8	0.0
2413	5836.9	170.8	0.0	2414	653.4	886.0	0.0	2415	8776.2	-671.7	0.0
2416	8029.5	-10.1	0.0	2417	8776.2	-100.9	0.0	2418	5988.6	-299.4	0.0
2419	6093.6	619.6	0.0	2420	5988.6	-247.6	0.0	2421	5988.6	-198.7	0.0
2423	5988.6	-500.9	0.0	2424	5988.6	-559.7	0.0	2426	5988.6	-677.2	0.0
2427	5988.6	-727.6	0.0	2429	5580.2	-112.2	0.0	2430	5836.9	-143.3	0.0
2431	6093.6	53.8	0.0	2433	5580.2	-451.3	0.0	2434	5580.2	-510.1	0.0

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2435	5580.2	-568.8	0.0	2436	5580.2	-249.8	0.0	2438	6093.6	-211.5	0.0
2439	6093.6	90.7	0.0	2440	5580.2	455.3	0.0	2441	5580.2	-627.6	0.0
2442	5580.2	-350.6	0.0	2443	5580.2	52.4	0.0	2444	5580.2	-48.4	0.0
2445	5580.2	354.6	0.0	2446	5580.2	253.8	0.0	2447	5580.2	572.8	0.0
2448	5580.2	514.1	0.0	2449	5580.2	202.0	0.0	2450	5580.2	-198.0	0.0
2451	5580.2	631.6	0.0	2452	5580.2	682.0	0.0	2453	5580.2	-678.0	0.0
2454	5580.2	-149.1	0.0	2455	5580.2	153.1	0.0	2456	5685.2	618.8	0.0
2457	5685.2	669.2	0.0	2459	5685.2	501.3	0.0	2460	5685.2	442.6	0.0
2462	5685.2	241.1	0.0	2463	5685.2	189.2	0.0	2464	5685.2	140.4	0.0
2465	5685.2	39.6	0.0	2466	5685.2	-61.1	0.0	2467	5685.2	-262.6	0.0
2468	5685.2	-210.7	0.0	2469	6093.6	392.9	0.0	2470	5580.2	116.2	0.0
2471	6093.6	-690.0	0.0	2472	5685.2	-161.9	0.0	2473	6093.6	-513.7	0.0
2474	6093.6	-572.4	0.0	2476	5685.2	-464.1	0.0	2477	5685.2	-522.8	0.0
2479	5685.2	-640.3	0.0	2480	5685.2	-690.7	0.0	2481	5836.9	650.8	0.0
2482	5836.9	-709.1	0.0	2483	5988.6	582.0	0.0	2484	5988.6	632.4	0.0
2486	5988.6	464.5	0.0	2487	5988.6	405.7	0.0	2489	5988.6	204.2	0.0
2490	5988.6	152.4	0.0	2491	5988.6	103.5	0.0	2492	6093.6	-631.2	0.0
2493	6093.6	-312.2	0.0	2494	6093.6	-412.9	0.0	2495	6093.6	-10.0	0.0
2496	6093.6	-110.7	0.0	2497	5836.9	85.0	0.0	2498	6093.6	292.2	0.0
2499	6093.6	191.5	0.0	2500	6093.6	510.5	0.0	2501	6093.6	451.7	0.0
2502	6093.6	-174.5	0.0	2503	6093.6	139.6	0.0	2504	6093.6	-260.4	0.0
2505	6093.6	569.2	0.0								

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad
2155	0.0	1250.8	0.0	FS=3						
2158	0.0	965.4	0.0	FS=3						
2163	0.0	680.0	0.0	FS=3						
2164	0.0	394.5	0.0	FS=3						
2168	0.0	109.1	0.0	FS=3						
2173	280.0	1216.8	0.0	FS=3						
2176	280.0	931.4	0.0	FS=3						
2181	280.0	645.9	0.0	FS=3						
2182	280.0	360.5	0.0	FS=3						
2186	280.0	75.1	0.0	FS=3						
2191	560.0	1182.8	0.0	FS=3						
2195	560.0	897.3	0.0	FS=3						
2196	560.0	611.9	0.0	FS=3						

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2200	560.0	326.5	0.0	FS=3
2204	560.0	41.1	0.0	FS=3
2237	8122.8	263.9	0.0	FS=3
2238	8122.8	-21.5	0.0	FS=3
2239	8122.8	-306.9	0.0	FS=3
2240	8122.8	-592.3	0.0	FS=3
2241	8122.8	-877.7	0.0	FS=3
2242	8402.8	229.9	0.0	FS=3
2243	8402.8	-55.5	0.0	FS=3
2244	8402.8	-340.9	0.0	FS=3
2245	8402.8	-626.3	0.0	FS=3
2246	8402.8	-911.8	0.0	FS=3
2263	2680.9	925.1	0.0	FS=3
2266	2680.9	706.8	0.0	FS=3
2280	2680.9	1.7	0.0	FS=3
2302	2680.9	-216.6	0.0	FS=3
2309	2984.3	888.2	0.0	FS=3
2312	2984.3	670.0	0.0	FS=3
2372	2984.3	-35.2	0.0	FS=3
2375	2984.3	-253.4	0.0	FS=3
2378	2680.9	240.1	0.0	FS=3
2382	2984.3	431.6	0.0	FS=3
2383	2680.9	468.4	0.0	FS=3
2387	2984.3	203.2	0.0	FS=3
2408	8682.8	195.9	0.0	FS=3
2409	8682.8	-89.5	0.0	FS=3
2410	8682.8	-374.9	0.0	FS=3
2411	8682.8	-660.4	0.0	FS=3
2412	8682.8	-945.8	0.0	FS=3
2422	5988.6	-400.2	0.0	FS=3
2425	5988.6	-618.4	0.0	FS=3
2428	5685.2	-124.9	0.0	FS=3
2432	5988.6	66.6	0.0	FS=3
2437	5685.2	103.4	0.0	FS=3
2458	5685.2	560.1	0.0	FS=3
2461	5685.2	341.8	0.0	FS=3
2475	5685.2	-363.3	0.0	FS=3
2478	5685.2	-581.6	0.0	FS=3

2485	5988.6	523.2	0.0	FS=3
2488	5988.6	305.0	0.0	FS=3
2506	5988.6	-161.8	0.0	FS=3

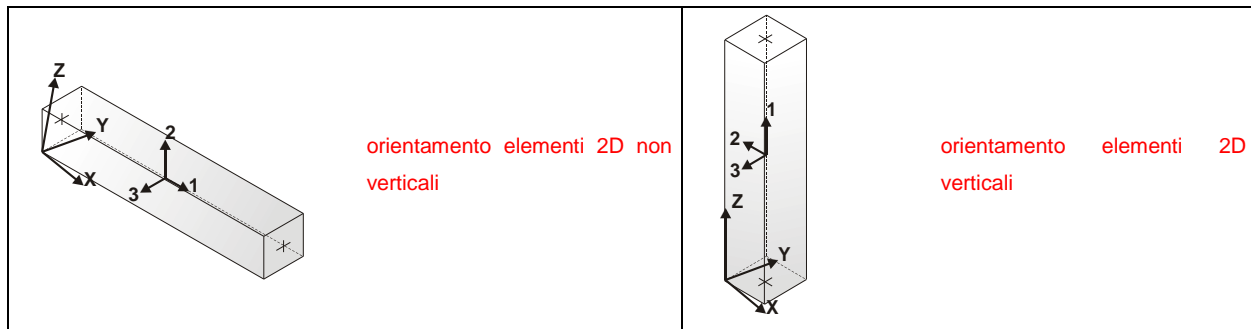
13.2 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

13.2.1 TABELLA DATI TRAVI

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

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

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



In particolare per ogni elemento viene indicato in tabella:

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

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Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz. gradi	Svincolo I	Svincolo J	Wink V daN/cm3	Wink O daN/cm3
1	Trave	108	109	43	13					
2	Trave	109	11	43	13					
3	Trave	110	111	43	13					
4	Trave	111	112	43	13					
5	Trave	112	113	43	13					
6	Trave	165	166	43	13					
7	Trave	166	167	43	13					
8	Trave	167	168	43	13					
9	Trave	168	169	43	13					
10	Trave	169	170	43	13					
11	Trave	170	171	43	13					
12	Trave	171	172	43	13					
13	Trave	172	173	43	13					
14	Trave	173	174	43	13					
15	Trave	174	175	43	13					
16	Trave	415	416	43	13					
17	Trave	416	417	43	13					
18	Trave	417	44	43	13					
19	Trave	418	419	43	13					
20	Trave	419	420	43	13					
21	Trave	420	421	43	13					
22	Trave	421	422	43	13					
23	Trave	422	423	43	13					
24	Trave	423	424	43	13					
25	Trave	424	425	43	13					
26	Trave	425	426	43	13					
27	Trave	426	427	43	13					
28	Trave	427	428	43	13					
29	Trave	428	53	43	13			000001		
30	Trave	429	430	4	16					
31	Trave	430	431	4	16					
32	Trave	431	432	4	16					
33	Trave	432	433	4	16					
34	Trave	433	434	4	16					

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35	Trave	434	435	4	16	
36	Trave	435	436	4	16	
37	Trave	436	437	4	16	
38	Trave	437	438	4	16	
39	Trave	19	209	4	16	
40	Trave	30	220	4	16	
41	Trave	29	231	43	13	
42	Trave	28	242	43	13	
43	Trave	27	253	43	13	
44	Trave	26	264	43	13	
45	Trave	23	275	43	13	100001
46	Trave	22	286	43	13	100001
47	Trave	21	297	43	13	100001
48	Trave	20	308	43	13	100001
49	Trave	37	319	4	16	
50	Trave	48	330	4	16	
51	Trave	38	341	43	13	100001
52	Trave	47	352	43	13	
53	Trave	39	363	43	13	100001
54	Trave	46	374	43	13	
55	Trave	40	385	43	13	100001
56	Trave	45	396	43	13	
57	Trave	41	407	43	13	100001
58	Trave	44	418	43	13	
59	Trave	42	429	4	16	
60	Trave	43	440	4	16	
61	Trave	438	439	4	16	
62	Trave	439	43	4	16	
63	Trave	440	441	4	16	
64	Trave	441	442	4	16	
65	Trave	442	443	4	16	
66	Trave	443	444	4	16	
67	Trave	444	445	4	16	
68	Trave	445	446	4	16	
69	Trave	446	447	4	16	
70	Trave	447	448	4	16	
71	Trave	448	449	4	16	
72	Trave	449	450	4	16	

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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73	Trave	450	54	4	16
74	Trave	55	56	4	16
75	Trave	56	57	4	16
76	Trave	57	58	4	16
77	Trave	58	59	4	16
78	Trave	59	60	4	16
79	Trave	60	61	4	16
80	Trave	61	62	4	16
81	Trave	62	63	4	16
82	Trave	63	64	4	16
83	Trave	64	65	4	16
84	Trave	65	12	4	16
85	Trave	66	67	4	16
86	Trave	67	68	4	16
87	Trave	68	69	4	16
88	Trave	69	70	4	16
89	Trave	70	71	4	16
90	Trave	71	72	4	16
91	Trave	72	73	4	16
92	Trave	73	74	4	16
93	Trave	74	75	4	16
94	Trave	75	76	4	16
95	Trave	76	13	4	16
96	Trave	77	78	4	16
97	Trave	78	79	4	16
98	Trave	79	80	4	16
99	Trave	80	81	4	16
100	Trave	81	82	4	16
101	Trave	82	83	4	16
102	Trave	83	84	4	16
103	Trave	84	85	4	16
104	Trave	85	86	4	16
105	Trave	86	87	4	16
106	Trave	87	25	4	16
107	Trave	88	89	4	16
108	Trave	89	90	4	16
109	Trave	90	91	4	16
110	Trave	91	92	4	16

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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111	Trave	92	93	4	16
112	Trave	93	94	4	16
113	Trave	94	95	4	16
114	Trave	95	96	4	16
115	Trave	96	97	4	16
116	Trave	97	98	4	16
117	Trave	98	36	4	16
118	Trave	143	144	4	16
119	Trave	144	145	4	16
120	Trave	145	146	4	16
121	Trave	146	147	4	16
122	Trave	147	148	4	16
123	Trave	148	149	4	16
124	Trave	149	150	4	16
125	Trave	150	151	4	16
126	Trave	151	152	4	16
127	Trave	152	153	4	16
128	Trave	153	7	4	16
129	Trave	154	155	4	16
130	Trave	155	156	4	16
131	Trave	156	157	4	16
132	Trave	157	158	4	16
133	Trave	158	159	4	16
134	Trave	159	160	4	16
135	Trave	160	161	4	16
136	Trave	161	162	4	16
137	Trave	162	163	4	16
138	Trave	163	164	4	16
139	Trave	164	18	4	16
140	Trave	209	210	4	16
141	Trave	210	211	4	16
142	Trave	211	212	4	16
143	Trave	212	213	4	16
144	Trave	213	214	4	16
145	Trave	214	215	4	16
146	Trave	215	216	4	16
147	Trave	216	217	4	16
148	Trave	217	218	4	16

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

149	Trave	218	219	4	16	
150	Trave	219	30	4	16	
151	Trave	220	221	4	16	
152	Trave	221	222	4	16	
153	Trave	222	223	4	16	
154	Trave	223	224	4	16	
155	Trave	224	225	4	16	
156	Trave	225	226	4	16	
157	Trave	226	227	4	16	
158	Trave	227	228	4	16	
159	Trave	228	229	4	16	
160	Trave	229	230	4	16	
161	Trave	230	31	4	16	
162	Trave	231	232	43	13	
163	Trave	232	233	43	13	
164	Trave	233	234	43	13	
165	Trave	234	235	43	13	
166	Trave	235	236	43	13	
167	Trave	236	237	43	13	
168	Trave	237	238	43	13	
169	Trave	238	239	43	13	
170	Trave	239	240	43	13	
171	Trave	240	241	43	13	
172	Trave	241	32	43	13	100001
173	Trave	242	243	43	13	
174	Trave	243	244	43	13	
175	Trave	244	245	43	13	
176	Trave	245	246	43	13	
177	Trave	246	247	43	13	
178	Trave	247	248	43	13	
179	Trave	248	249	43	13	
180	Trave	249	250	43	13	
181	Trave	250	251	43	13	
182	Trave	251	252	43	13	
183	Trave	252	33	43	13	100001
184	Trave	253	254	43	13	
185	Trave	254	255	43	13	
186	Trave	255	256	43	13	

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

187	Trave	256	257	43	13	
188	Trave	257	258	43	13	
189	Trave	258	259	43	13	
190	Trave	259	260	43	13	
191	Trave	260	261	43	13	
192	Trave	261	262	43	13	
193	Trave	262	263	43	13	
194	Trave	263	34	43	13	100001
195	Trave	264	265	43	13	
196	Trave	265	266	43	13	
197	Trave	266	267	43	13	
198	Trave	267	268	43	13	
199	Trave	268	269	43	13	
200	Trave	269	270	43	13	
201	Trave	270	271	43	13	
202	Trave	271	272	43	13	
203	Trave	272	273	43	13	
204	Trave	273	274	43	13	
205	Trave	274	35	43	13	100001
206	Trave	275	276	43	13	
207	Trave	276	277	43	13	
208	Trave	277	278	43	13	
209	Trave	278	279	43	13	
210	Trave	279	280	43	13	
211	Trave	280	281	43	13	
212	Trave	281	282	43	13	
213	Trave	282	283	43	13	
214	Trave	283	284	43	13	
215	Trave	284	285	43	13	
216	Trave	285	26	43	13	
217	Trave	286	287	43	13	
218	Trave	287	288	43	13	
219	Trave	288	289	43	13	
220	Trave	289	290	43	13	
221	Trave	290	291	43	13	
222	Trave	291	292	43	13	
223	Trave	292	293	43	13	
224	Trave	293	294	43	13	

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

225	Trave	294	295	43	13
226	Trave	295	296	43	13
227	Trave	296	27	43	13
228	Trave	297	298	43	13
229	Trave	298	299	43	13
230	Trave	299	300	43	13
231	Trave	300	301	43	13
232	Trave	301	302	43	13
233	Trave	302	303	43	13
234	Trave	303	304	43	13
235	Trave	304	305	43	13
236	Trave	305	306	43	13
237	Trave	306	307	43	13
238	Trave	307	28	43	13
239	Trave	308	309	43	13
240	Trave	309	310	43	13
241	Trave	310	311	43	13
242	Trave	311	312	43	13
243	Trave	312	313	43	13
244	Trave	313	314	43	13
245	Trave	314	315	43	13
246	Trave	315	316	43	13
247	Trave	316	317	43	13
248	Trave	317	318	43	13
249	Trave	318	29	43	13
250	Trave	319	320	4	16
251	Trave	320	321	4	16
252	Trave	321	322	4	16
253	Trave	322	323	4	16
254	Trave	323	324	4	16
255	Trave	324	325	4	16
256	Trave	325	326	4	16
257	Trave	326	327	4	16
258	Trave	327	328	4	16
259	Trave	328	329	4	16
260	Trave	329	48	4	16
261	Trave	330	331	4	16
262	Trave	331	332	4	16

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

263	Trave	332	333	4	16
264	Trave	333	334	4	16
265	Trave	334	335	4	16
266	Trave	335	336	4	16
267	Trave	336	337	4	16
268	Trave	337	338	4	16
269	Trave	338	339	4	16
270	Trave	339	340	4	16
271	Trave	340	49	4	16
272	Trave	341	342	43	13
273	Trave	342	343	43	13
274	Trave	343	344	43	13
275	Trave	344	345	43	13
276	Trave	345	346	43	13
277	Trave	346	347	43	13
278	Trave	347	348	43	13
279	Trave	348	349	43	13
280	Trave	349	350	43	13
281	Trave	350	351	43	13
282	Trave	351	47	43	13
283	Trave	352	353	43	13
284	Trave	353	354	43	13
285	Trave	354	355	43	13
286	Trave	355	356	43	13
287	Trave	356	357	43	13
288	Trave	357	358	43	13
289	Trave	358	359	43	13
290	Trave	359	360	43	13
291	Trave	360	361	43	13
292	Trave	361	362	43	13
293	Trave	362	50	43	13
294	Trave	363	364	43	13
295	Trave	364	365	43	13
296	Trave	365	366	43	13
297	Trave	366	367	43	13
298	Trave	367	368	43	13
299	Trave	368	369	43	13
300	Trave	369	370	43	13

000001

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

301	Trave	370	371	43	13	
302	Trave	371	372	43	13	
303	Trave	372	373	43	13	
304	Trave	373	46	43	13	
305	Trave	374	375	43	13	
306	Trave	375	376	43	13	
307	Trave	376	377	43	13	
308	Trave	377	378	43	13	
309	Trave	378	379	43	13	
310	Trave	379	380	43	13	
311	Trave	380	381	43	13	
312	Trave	381	382	43	13	
313	Trave	382	383	43	13	
314	Trave	383	384	43	13	
315	Trave	384	51	43	13	000001
316	Trave	385	386	43	13	
317	Trave	386	387	43	13	
318	Trave	387	388	43	13	
319	Trave	388	389	43	13	
320	Trave	389	390	43	13	
321	Trave	390	391	43	13	
322	Trave	391	392	43	13	
323	Trave	392	393	43	13	
324	Trave	393	394	43	13	
325	Trave	394	395	43	13	
326	Trave	395	45	43	13	
327	Trave	396	397	43	13	
328	Trave	397	398	43	13	
329	Trave	398	399	43	13	
330	Trave	399	400	43	13	
331	Trave	400	401	43	13	
332	Trave	401	402	43	13	
333	Trave	402	403	43	13	
334	Trave	403	404	43	13	
335	Trave	404	405	43	13	
336	Trave	405	406	43	13	
337	Trave	406	52	43	13	000001
338	Trave	19	489	4	14	

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

339	Trave	489	490	4	14
340	Trave	490	20	4	14
341	Trave	20	487	4	14
342	Trave	487	488	4	14
343	Trave	488	21	4	14
344	Trave	21	485	4	14
345	Trave	485	486	4	14
346	Trave	486	22	4	14
347	Trave	22	483	4	14
348	Trave	483	484	4	14
349	Trave	484	23	4	14
350	Trave	23	481	4	14
351	Trave	481	482	4	14
352	Trave	482	24	4	14
353	Trave	30	499	4	14
354	Trave	499	500	4	14
355	Trave	500	29	4	14
356	Trave	29	497	4	14
357	Trave	497	498	4	14
358	Trave	498	28	4	14
359	Trave	28	495	4	14
360	Trave	495	496	4	14
361	Trave	496	27	4	14
362	Trave	27	493	4	14
363	Trave	493	494	4	14
364	Trave	494	26	4	14
365	Trave	26	491	4	14
366	Trave	491	492	4	14
367	Trave	492	25	4	14
368	Trave	31	509	4	14
369	Trave	509	510	4	14
370	Trave	510	32	4	14
371	Trave	32	507	4	14
372	Trave	507	508	4	14
373	Trave	508	33	4	14
374	Trave	33	505	4	14
375	Trave	505	506	4	14
376	Trave	506	34	4	14

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

377	Trave	34	503	4	14
378	Trave	503	504	4	14
379	Trave	504	35	4	14
380	Trave	35	501	4	14
381	Trave	501	502	4	14
382	Trave	502	36	4	14
383	Trave	42	519	4	14
384	Trave	519	520	4	14
385	Trave	520	41	4	14
386	Trave	41	517	4	14
387	Trave	517	518	4	14
388	Trave	518	40	4	14
389	Trave	40	515	4	14
390	Trave	515	516	4	14
391	Trave	516	39	4	14
392	Trave	39	513	4	14
393	Trave	513	514	4	14
394	Trave	514	38	4	14
395	Trave	38	511	4	14
396	Trave	511	512	4	14
397	Trave	512	37	4	14
398	Pilas.	1225	1201	8	18
399	Trave	43	539	4	14
400	Trave	539	540	4	14
401	Trave	540	44	4	14
402	Trave	44	537	4	14
403	Trave	537	538	4	14
404	Trave	538	45	4	14
405	Trave	45	535	4	14
406	Trave	535	536	4	14
407	Trave	536	46	4	14
408	Trave	46	533	4	14
409	Trave	533	534	4	14
410	Trave	534	47	4	14
411	Trave	47	531	4	14
412	Trave	531	532	4	14
413	Trave	532	48	4	14
414	Trave	54	529	4	14

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

415	Trave	529	530	4	14	
416	Trave	530	53	4	14	
417	Trave	53	527	4	14	
418	Trave	527	528	4	14	
419	Trave	528	52	4	14	
420	Trave	52	525	4	14	
421	Trave	525	526	4	14	
422	Trave	526	51	4	14	
423	Trave	51	523	4	14	
424	Trave	523	524	4	14	
425	Trave	524	50	4	14	
426	Trave	50	521	4	14	
427	Trave	521	522	4	14	
428	Pilas.	1224	53	4	17	90.00
429	Pilas.	1223	52	4	17	90.00
430	Pilas.	1222	51	4	17	90.00
431	Pilas.	1221	50	4	17	90.00
432	Pilas.	1217	38	4	17	90.00
433	Pilas.	1218	39	4	17	90.00
434	Pilas.	1219	40	4	17	90.00
435	Pilas.	1220	41	4	17	90.00
436	Pilas.	1213	32	4	17	90.00
437	Pilas.	1214	33	4	17	90.00
438	Pilas.	1215	34	4	17	90.00
439	Pilas.	1216	35	4	17	90.00
440	Pilas.	1212	23	4	17	90.00
441	Pilas.	1211	22	4	17	90.00
442	Pilas.	1210	21	4	17	90.00
443	Pilas.	1209	20	4	17	90.00
444	Pilas.	1208	17	4	17	90.00
445	Pilas.	1207	16	4	17	90.00
446	Pilas.	1206	15	4	17	90.00
447	Pilas.	1205	14	4	17	90.00
448	Pilas.	1201	2	4	17	90.00
449	Pilas.	1202	3	4	17	90.00
450	Pilas.	1203	4	4	17	90.00
451	Pilas.	1204	5	4	17	90.00
452	Pilas.	1248	1224	8	18	

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

453	Pilas.	1247	1223	8	18
454	Pilas.	1246	1222	8	18
455	Pilas.	1245	1221	8	18
456	Pilas.	1244	1220	8	18
457	Pilas.	1237	1213	8	18
458	Pilas.	1238	1214	8	18
459	Pilas.	1243	1219	8	18
460	Pilas.	1239	1215	8	18
461	Pilas.	1242	1218	8	18
462	Pilas.	1241	1217	8	18
463	Pilas.	1240	1216	8	18
464	Pilas.	1236	1212	8	18
465	Pilas.	1229	1205	8	18
466	Pilas.	1230	1206	8	18
467	Pilas.	1234	1210	8	18
468	Pilas.	1231	1207	8	18
469	Pilas.	1235	1211	8	18
470	Pilas.	1232	1208	8	18
471	Pilas.	1233	1209	8	18
472	Pilas.	1228	1204	8	18
473	Pilas.	1227	1203	8	18
474	Pilas.	1226	1202	8	18
475	Pilas.	1269	1245	4	18
476	Pilas.	1270	1246	4	18
477	Pilas.	1271	1247	4	18
478	Pilas.	1272	1248	4	18
479	Pilas.	1261	1237	4	18
480	Pilas.	1268	1244	4	18
481	Pilas.	1267	1243	4	18
482	Pilas.	1262	1238	4	18
483	Pilas.	1263	1239	4	18
484	Pilas.	1266	1242	4	18
485	Pilas.	1265	1241	4	18
486	Pilas.	1264	1240	4	18
487	Pilas.	1257	1233	4	18
488	Pilas.	1256	1232	4	18
489	Pilas.	1258	1234	4	18
490	Pilas.	1255	1231	4	18

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

491	Pilas.	1254	1230	4	18	
492	Pilas.	1259	1235	4	18	
493	Pilas.	1260	1236	4	18	
494	Pilas.	1253	1229	4	18	
495	Pilas.	1252	1228	4	18	
496	Pilas.	1251	1227	4	18	
497	Pilas.	1250	1226	4	18	
498	Pilas.	1249	1225	4	18	
499	Trave	130	131	43	13	
500	Trave	131	9	43	13	
501	Trave	132	133	43	13	
502	Trave	133	134	43	13	
503	Trave	134	135	43	13	
504	Trave	135	136	43	13	
505	Trave	136	137	43	13	
506	Trave	137	138	43	13	
507	Trave	138	139	43	13	
508	Trave	139	140	43	13	
509	Trave	140	141	43	13	
510	Trave	141	142	43	13	
511	Trave	142	8	43	13	
512	Trave	2	99	43	13	100001
513	Trave	3	110	43	13	100001
514	Trave	1	55	4	16	
515	Trave	12	66	4	16	
516	Trave	24	77	4	16	
517	Trave	25	88	4	16	
518	Trave	522	49	4	14	
519	Trave	407	408	43	13	
520	Trave	408	409	43	13	
521	Trave	409	410	43	13	
522	Trave	410	411	43	13	
523	Trave	411	412	43	13	
524	Trave	412	413	43	13	
525	Trave	6	143	4	16	
526	Trave	7	154	4	16	
527	Trave	413	414	43	13	
528	Trave	414	415	43	13	

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

529	Trave	8	165	43	13	
530	Trave	9	176	43	13	
531	Trave	10	187	43	13	
532	Trave	11	198	43	13	
533	Trave	4	121	43	13	100001
534	Trave	5	132	7	13	100001
535	Trave	99	100	43	13	
536	Trave	100	101	43	13	
537	Trave	101	102	43	13	
538	Trave	102	103	43	13	
539	Trave	103	104	43	13	
540	Trave	104	105	43	13	
541	Trave	105	106	43	13	
542	Trave	106	107	43	13	
543	Trave	107	108	43	13	
544	Trave	464	11	4	14	
545	Trave	11	461	4	14	
546	Trave	461	462	4	14	
547	Trave	462	12	4	14	
548	Trave	18	479	4	14	
549	Trave	479	480	4	14	
550	Trave	480	17	4	14	
551	Trave	17	477	4	14	
552	Trave	477	478	4	14	
553	Trave	478	16	4	14	
554	Trave	16	475	4	14	
555	Trave	475	476	4	14	
556	Trave	476	15	4	14	
557	Trave	15	473	4	14	
558	Trave	473	474	4	14	
559	Trave	474	14	4	14	
560	Trave	14	471	4	14	
561	Trave	471	472	4	14	
562	Trave	472	13	4	14	
563	Trave	6	459	4	14	
564	Trave	459	460	4	14	
565	Trave	460	5	4	14	
566	Trave	5	457	4	14	

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

567	Trave	457	458	4	14	
568	Trave	458	4	4	14	
569	Trave	4	455	4	14	
570	Trave	455	456	4	14	
571	Trave	456	3	4	14	
572	Trave	3	453	4	14	
573	Trave	453	454	4	14	
574	Trave	454	2	4	14	
575	Trave	2	451	4	14	
576	Trave	451	452	4	14	
577	Trave	452	1	4	14	
578	Trave	7	469	4	14	
579	Trave	469	470	4	14	
580	Trave	470	8	4	14	
581	Trave	8	467	4	14	
582	Trave	467	468	4	14	
583	Trave	468	9	4	14	
584	Trave	9	465	4	14	
585	Trave	465	466	4	14	
586	Trave	466	10	4	14	
587	Trave	10	463	4	14	
588	Trave	463	464	4	14	
589	Trave	175	17	43	13	100001
590	Trave	176	177	43	13	
591	Trave	177	178	43	13	
592	Trave	178	179	43	13	
593	Trave	179	180	43	13	
594	Trave	180	181	43	13	
595	Trave	181	182	43	13	
596	Trave	182	183	43	13	
597	Trave	183	184	43	13	
598	Trave	184	185	43	13	
599	Trave	185	186	43	13	
600	Trave	186	16	43	13	100001
601	Trave	187	188	43	13	
602	Trave	188	189	43	13	
603	Trave	189	190	43	13	
604	Trave	190	191	43	13	

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

605	Trave	191	192	43	13	
606	Trave	192	193	43	13	
607	Trave	193	194	43	13	
608	Trave	194	195	43	13	
609	Trave	195	196	43	13	
610	Trave	196	197	43	13	
611	Trave	197	15	43	13	100001
612	Trave	198	199	43	13	
613	Trave	199	200	43	13	
614	Trave	200	201	43	13	
615	Trave	201	202	43	13	
616	Trave	202	203	43	13	
617	Trave	203	204	43	13	
618	Trave	204	205	43	13	
619	Trave	205	206	43	13	
620	Trave	206	207	43	13	
621	Trave	207	208	43	13	
622	Trave	208	14	43	13	100001
623	Trave	113	114	43	13	
624	Trave	114	115	43	13	
625	Trave	115	116	43	13	
626	Trave	116	117	43	13	
627	Trave	117	118	43	13	
628	Trave	118	119	43	13	
629	Trave	119	120	43	13	
630	Trave	120	10	43	13	
631	Trave	121	122	43	13	
632	Trave	122	123	43	13	
633	Trave	123	124	43	13	
634	Trave	124	125	43	13	
635	Trave	125	126	43	13	
636	Trave	126	127	43	13	
637	Trave	127	128	43	13	
638	Trave	128	129	43	13	
639	Trave	129	130	43	13	

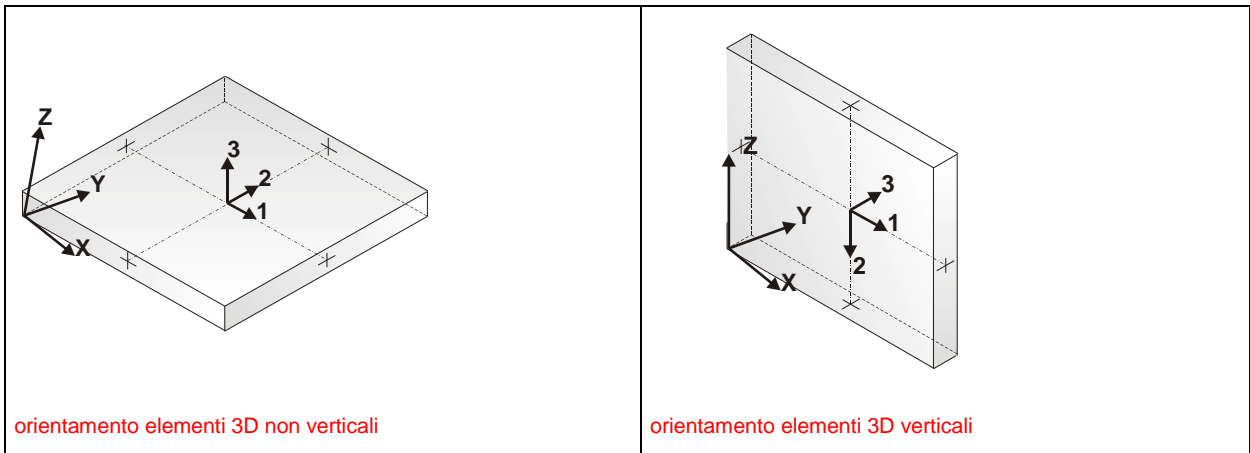
13.3 MODELLAZIONE STRUTTURA: ELEMENTI SHELL

13.3.1 LEGENDA TABELLA DATI SHELL

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

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

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



In particolare per ogni elemento viene indicato in tabella:

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

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

Elem.	Note	Nodo I	Nodo J	Nodo K	Nodo L	Mat.	Spessore	Wink V	Wink O
							cm	daN/cm3	daN/cm3
1	Guscio	452	541	55	1	4	25.0		
2	Guscio	451	542	541	452	4	25.0		
3	Guscio	2	99	542	451	4	25.0		
4	Guscio	541	543	56	55	4	25.0		
5	Guscio	542	544	543	541	4	25.0		
6	Guscio	99	100	544	542	4	25.0		
7	Guscio	543	545	57	56	4	25.0		
8	Guscio	544	546	545	543	4	25.0		
9	Guscio	100	101	546	544	4	25.0		
10	Guscio	545	547	58	57	4	25.0		
11	Guscio	546	548	547	545	4	25.0		
12	Guscio	101	102	548	546	4	25.0		
13	Guscio	547	549	59	58	4	25.0		
14	Guscio	548	550	549	547	4	25.0		
15	Guscio	102	103	550	548	4	25.0		
16	Guscio	549	551	60	59	4	25.0		
17	Guscio	550	552	551	549	4	25.0		
18	Guscio	103	104	552	550	4	25.0		
19	Guscio	551	553	61	60	4	25.0		
20	Guscio	552	554	553	551	4	25.0		
21	Guscio	104	105	554	552	4	25.0		
22	Guscio	553	555	62	61	4	25.0		
23	Guscio	554	556	555	553	4	25.0		
24	Guscio	105	106	556	554	4	25.0		
25	Guscio	555	557	63	62	4	25.0		
26	Guscio	556	558	557	555	4	25.0		
27	Guscio	106	107	558	556	4	25.0		
28	Guscio	557	559	64	63	4	25.0		
29	Guscio	558	560	559	557	4	25.0		
30	Guscio	107	108	560	558	4	25.0		
31	Guscio	559	561	65	64	4	25.0		
32	Guscio	560	562	561	559	4	25.0		
33	Guscio	108	109	562	560	4	25.0		
34	Guscio	561	462	12	65	4	25.0		

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

35	Guscio	562	461	462	561	4	25.0
36	Guscio	109	11	461	562	4	25.0
37	Guscio	462	563	66	12	4	25.0
38	Guscio	461	564	563	462	4	25.0
39	Guscio	11	198	564	461	4	25.0
40	Guscio	563	565	67	66	4	25.0
41	Guscio	564	566	565	563	4	25.0
42	Guscio	198	199	566	564	4	25.0
43	Guscio	565	567	68	67	4	25.0
44	Guscio	566	568	567	565	4	25.0
45	Guscio	199	200	568	566	4	25.0
46	Guscio	567	569	69	68	4	25.0
47	Guscio	568	570	569	567	4	25.0
48	Guscio	200	201	570	568	4	25.0
49	Guscio	569	571	70	69	4	25.0
50	Guscio	570	572	571	569	4	25.0
51	Guscio	201	202	572	570	4	25.0
52	Guscio	571	573	71	70	4	25.0
53	Guscio	572	574	573	571	4	25.0
54	Guscio	202	203	574	572	4	25.0
55	Guscio	573	575	72	71	4	25.0
56	Guscio	574	576	575	573	4	25.0
57	Guscio	203	204	576	574	4	25.0
58	Guscio	575	577	73	72	4	25.0
59	Guscio	576	578	577	575	4	25.0
60	Guscio	204	205	578	576	4	25.0
61	Guscio	577	579	74	73	4	25.0
62	Guscio	578	580	579	577	4	25.0
63	Guscio	205	206	580	578	4	25.0
64	Guscio	579	581	75	74	4	25.0
65	Guscio	580	582	581	579	4	25.0
66	Guscio	206	207	582	580	4	25.0
67	Guscio	581	583	76	75	4	25.0
68	Guscio	582	584	583	581	4	25.0
69	Guscio	207	208	584	582	4	25.0
70	Guscio	583	472	13	76	4	25.0
71	Guscio	584	471	472	583	4	25.0
72	Guscio	208	14	471	584	4	25.0

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

73	Guscio	464	585	198	11	4	25.0
74	Guscio	463	586	585	464	4	25.0
75	Guscio	10	187	586	463	4	25.0
76	Guscio	585	587	199	198	4	25.0
77	Guscio	586	588	587	585	4	25.0
78	Guscio	187	188	588	586	4	25.0
79	Guscio	587	589	200	199	4	25.0
80	Guscio	588	590	589	587	4	25.0
81	Guscio	188	189	590	588	4	25.0
82	Guscio	589	591	201	200	4	25.0
83	Guscio	590	592	591	589	4	25.0
84	Guscio	189	190	592	590	4	25.0
85	Guscio	591	593	202	201	4	25.0
86	Guscio	592	594	593	591	4	25.0
87	Guscio	190	191	594	592	4	25.0
88	Guscio	593	595	203	202	4	25.0
89	Guscio	594	596	595	593	4	25.0
90	Guscio	191	192	596	594	4	25.0
91	Guscio	595	597	204	203	4	25.0
92	Guscio	596	598	597	595	4	25.0
93	Guscio	192	193	598	596	4	25.0
94	Guscio	597	599	205	204	4	25.0
95	Guscio	598	600	599	597	4	25.0
96	Guscio	193	194	600	598	4	25.0
97	Guscio	599	601	206	205	4	25.0
98	Guscio	600	602	601	599	4	25.0
99	Guscio	194	195	602	600	4	25.0
100	Guscio	601	603	207	206	4	25.0
101	Guscio	602	604	603	601	4	25.0
102	Guscio	195	196	604	602	4	25.0
103	Guscio	603	605	208	207	4	25.0
104	Guscio	604	606	605	603	4	25.0
105	Guscio	196	197	606	604	4	25.0
106	Guscio	605	474	14	208	4	25.0
107	Guscio	606	473	474	605	4	25.0
108	Guscio	197	15	473	606	4	25.0
109	Guscio	466	607	187	10	4	25.0
110	Guscio	465	608	607	466	4	25.0

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

111	Guscio	9	176	608	465	4	25.0
112	Guscio	607	609	188	187	4	25.0
113	Guscio	608	610	609	607	4	25.0
114	Guscio	176	177	610	608	4	25.0
115	Guscio	609	611	189	188	4	25.0
116	Guscio	610	612	611	609	4	25.0
117	Guscio	177	178	612	610	4	25.0
118	Guscio	611	613	190	189	4	25.0
119	Guscio	612	614	613	611	4	25.0
120	Guscio	178	179	614	612	4	25.0
121	Guscio	613	615	191	190	4	25.0
122	Guscio	614	616	615	613	4	25.0
123	Guscio	179	180	616	614	4	25.0
124	Guscio	615	617	192	191	4	25.0
125	Guscio	616	618	617	615	4	25.0
126	Guscio	180	181	618	616	4	25.0
127	Guscio	617	619	193	192	4	25.0
128	Guscio	618	620	619	617	4	25.0
129	Guscio	181	182	620	618	4	25.0
130	Guscio	619	621	194	193	4	25.0
131	Guscio	620	622	621	619	4	25.0
132	Guscio	182	183	622	620	4	25.0
133	Guscio	621	623	195	194	4	25.0
134	Guscio	622	624	623	621	4	25.0
135	Guscio	183	184	624	622	4	25.0
136	Guscio	623	625	196	195	4	25.0
137	Guscio	624	626	625	623	4	25.0
138	Guscio	184	185	626	624	4	25.0
139	Guscio	625	627	197	196	4	25.0
140	Guscio	626	628	627	625	4	25.0
141	Guscio	185	186	628	626	4	25.0
142	Guscio	627	476	15	197	4	25.0
143	Guscio	628	475	476	627	4	25.0
144	Guscio	186	16	475	628	4	25.0
145	Guscio	468	629	176	9	4	25.0
146	Guscio	467	630	629	468	4	25.0
147	Guscio	8	165	630	467	4	25.0
148	Guscio	629	631	177	176	4	25.0

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

149	Guscio	630	632	631	629	4	25.0
150	Guscio	165	166	632	630	4	25.0
151	Guscio	631	633	178	177	4	25.0
152	Guscio	632	634	633	631	4	25.0
153	Guscio	166	167	634	632	4	25.0
154	Guscio	633	635	179	178	4	25.0
155	Guscio	634	636	635	633	4	25.0
156	Guscio	167	168	636	634	4	25.0
157	Guscio	635	637	180	179	4	25.0
158	Guscio	636	638	637	635	4	25.0
159	Guscio	168	169	638	636	4	25.0
160	Guscio	637	639	181	180	4	25.0
161	Guscio	638	640	639	637	4	25.0
162	Guscio	169	170	640	638	4	25.0
163	Guscio	639	641	182	181	4	25.0
164	Guscio	640	642	641	639	4	25.0
165	Guscio	170	171	642	640	4	25.0
166	Guscio	641	643	183	182	4	25.0
167	Guscio	642	644	643	641	4	25.0
168	Guscio	171	172	644	642	4	25.0
169	Guscio	643	645	184	183	4	25.0
170	Guscio	644	646	645	643	4	25.0
171	Guscio	172	173	646	644	4	25.0
172	Guscio	645	647	185	184	4	25.0
173	Guscio	646	648	647	645	4	25.0
174	Guscio	173	174	648	646	4	25.0
175	Guscio	647	649	186	185	4	25.0
176	Guscio	648	650	649	647	4	25.0
177	Guscio	174	175	650	648	4	25.0
178	Guscio	649	478	16	186	4	25.0
179	Guscio	650	477	478	649	4	25.0
180	Guscio	175	17	477	650	4	25.0
181	Guscio	470	651	165	8	4	25.0
182	Guscio	469	652	651	470	4	25.0
183	Guscio	7	154	652	469	4	25.0
184	Guscio	651	653	166	165	4	25.0
185	Guscio	652	654	653	651	4	25.0
186	Guscio	154	155	654	652	4	25.0

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

187	Guscio	653	655	167	166	4	25.0
188	Guscio	654	656	655	653	4	25.0
189	Guscio	155	156	656	654	4	25.0
190	Guscio	655	657	168	167	4	25.0
191	Guscio	656	658	657	655	4	25.0
192	Guscio	156	157	658	656	4	25.0
193	Guscio	657	659	169	168	4	25.0
194	Guscio	658	660	659	657	4	25.0
195	Guscio	157	158	660	658	4	25.0
196	Guscio	659	661	170	169	4	25.0
197	Guscio	660	662	661	659	4	25.0
198	Guscio	158	159	662	660	4	25.0
199	Guscio	661	663	171	170	4	25.0
200	Guscio	662	664	663	661	4	25.0
201	Guscio	159	160	664	662	4	25.0
202	Guscio	663	665	172	171	4	25.0
203	Guscio	664	666	665	663	4	25.0
204	Guscio	160	161	666	664	4	25.0
205	Guscio	665	667	173	172	4	25.0
206	Guscio	666	668	667	665	4	25.0
207	Guscio	161	162	668	666	4	25.0
208	Guscio	667	669	174	173	4	25.0
209	Guscio	668	670	669	667	4	25.0
210	Guscio	162	163	670	668	4	25.0
211	Guscio	669	671	175	174	4	25.0
212	Guscio	670	672	671	669	4	25.0
213	Guscio	163	164	672	670	4	25.0
214	Guscio	671	480	17	175	4	25.0
215	Guscio	672	479	480	671	4	25.0
216	Guscio	164	18	479	672	4	25.0
217	Guscio	454	673	99	2	4	25.0
218	Guscio	453	674	673	454	4	25.0
219	Guscio	3	110	674	453	4	25.0
220	Guscio	673	675	100	99	4	25.0
221	Guscio	674	676	675	673	4	25.0
222	Guscio	110	111	676	674	4	25.0
223	Guscio	675	677	101	100	4	25.0
224	Guscio	676	678	677	675	4	25.0

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

225	Guscio	111	112	678	676	4	25.0
226	Guscio	677	679	102	101	4	25.0
227	Guscio	678	680	679	677	4	25.0
228	Guscio	112	113	680	678	4	25.0
229	Guscio	679	681	103	102	4	25.0
230	Guscio	680	682	681	679	4	25.0
231	Guscio	113	114	682	680	4	25.0
232	Guscio	681	683	104	103	4	25.0
233	Guscio	682	684	683	681	4	25.0
234	Guscio	114	115	684	682	4	25.0
235	Guscio	683	685	105	104	4	25.0
236	Guscio	684	686	685	683	4	25.0
237	Guscio	115	116	686	684	4	25.0
238	Guscio	685	687	106	105	4	25.0
239	Guscio	686	688	687	685	4	25.0
240	Guscio	116	117	688	686	4	25.0
241	Guscio	687	689	107	106	4	25.0
242	Guscio	688	690	689	687	4	25.0
243	Guscio	117	118	690	688	4	25.0
244	Guscio	689	691	108	107	4	25.0
245	Guscio	690	692	691	689	4	25.0
246	Guscio	118	119	692	690	4	25.0
247	Guscio	691	693	109	108	4	25.0
248	Guscio	692	694	693	691	4	25.0
249	Guscio	119	120	694	692	4	25.0
250	Guscio	693	464	11	109	4	25.0
251	Guscio	694	463	464	693	4	25.0
252	Guscio	120	10	463	694	4	25.0
253	Guscio	456	695	110	3	4	25.0
254	Guscio	455	696	695	456	4	25.0
255	Guscio	4	121	696	455	4	25.0
256	Guscio	695	697	111	110	4	25.0
257	Guscio	696	698	697	695	4	25.0
258	Guscio	121	122	698	696	4	25.0
259	Guscio	697	699	112	111	4	25.0
260	Guscio	698	700	699	697	4	25.0
261	Guscio	122	123	700	698	4	25.0
262	Guscio	699	701	113	112	4	25.0

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

263	Guscio	700	702	701	699	4	25.0
264	Guscio	123	124	702	700	4	25.0
265	Guscio	701	703	114	113	4	25.0
266	Guscio	702	704	703	701	4	25.0
267	Guscio	124	125	704	702	4	25.0
268	Guscio	703	705	115	114	4	25.0
269	Guscio	704	706	705	703	4	25.0
270	Guscio	125	126	706	704	4	25.0
271	Guscio	705	707	116	115	4	25.0
272	Guscio	706	708	707	705	4	25.0
273	Guscio	126	127	708	706	4	25.0
274	Guscio	707	709	117	116	4	25.0
275	Guscio	708	710	709	707	4	25.0
276	Guscio	127	128	710	708	4	25.0
277	Guscio	709	711	118	117	4	25.0
278	Guscio	710	712	711	709	4	25.0
279	Guscio	128	129	712	710	4	25.0
280	Guscio	711	713	119	118	4	25.0
281	Guscio	712	714	713	711	4	25.0
282	Guscio	129	130	714	712	4	25.0
283	Guscio	713	715	120	119	4	25.0
284	Guscio	714	716	715	713	4	25.0
285	Guscio	130	131	716	714	4	25.0
286	Guscio	715	466	10	120	4	25.0
287	Guscio	716	465	466	715	4	25.0
288	Guscio	131	9	465	716	4	25.0
289	Guscio	458	717	121	4	4	25.0
290	Guscio	457	718	717	458	4	25.0
291	Guscio	5	132	718	457	4	25.0
292	Guscio	717	719	122	121	4	25.0
293	Guscio	718	720	719	717	4	25.0
294	Guscio	132	133	720	718	4	25.0
295	Guscio	719	721	123	122	4	25.0
296	Guscio	720	722	721	719	4	25.0
297	Guscio	133	134	722	720	4	25.0
298	Guscio	721	723	124	123	4	25.0
299	Guscio	722	724	723	721	4	25.0
300	Guscio	134	135	724	722	4	25.0

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

301	Guscio	723	725	125	124	4	25.0
302	Guscio	724	726	725	723	4	25.0
303	Guscio	135	136	726	724	4	25.0
304	Guscio	725	727	126	125	4	25.0
305	Guscio	726	728	727	725	4	25.0
306	Guscio	136	137	728	726	4	25.0
307	Guscio	727	729	127	126	4	25.0
308	Guscio	728	730	729	727	4	25.0
309	Guscio	137	138	730	728	4	25.0
310	Guscio	729	731	128	127	4	25.0
311	Guscio	730	732	731	729	4	25.0
312	Guscio	138	139	732	730	4	25.0
313	Guscio	731	733	129	128	4	25.0
314	Guscio	732	734	733	731	4	25.0
315	Guscio	139	140	734	732	4	25.0
316	Guscio	733	735	130	129	4	25.0
317	Guscio	734	736	735	733	4	25.0
318	Guscio	140	141	736	734	4	25.0
319	Guscio	735	737	131	130	4	25.0
320	Guscio	736	738	737	735	4	25.0
321	Guscio	141	142	738	736	4	25.0
322	Guscio	737	468	9	131	4	25.0
323	Guscio	738	467	468	737	4	25.0
324	Guscio	142	8	467	738	4	25.0
325	Guscio	460	739	132	5	4	25.0
326	Guscio	459	740	739	460	4	25.0
327	Guscio	6	143	740	459	4	25.0
328	Guscio	739	741	133	132	4	25.0
329	Guscio	740	742	741	739	4	25.0
330	Guscio	143	144	742	740	4	25.0
331	Guscio	741	743	134	133	4	25.0
332	Guscio	742	744	743	741	4	25.0
333	Guscio	144	145	744	742	4	25.0
334	Guscio	743	745	135	134	4	25.0
335	Guscio	744	746	745	743	4	25.0
336	Guscio	145	146	746	744	4	25.0
337	Guscio	745	747	136	135	4	25.0
338	Guscio	746	748	747	745	4	25.0

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

339	Guscio	146	147	748	746	4	25.0
340	Guscio	747	749	137	136	4	25.0
341	Guscio	748	750	749	747	4	25.0
342	Guscio	147	148	750	748	4	25.0
343	Guscio	749	751	138	137	4	25.0
344	Guscio	750	752	751	749	4	25.0
345	Guscio	148	149	752	750	4	25.0
346	Guscio	751	753	139	138	4	25.0
347	Guscio	752	754	753	751	4	25.0
348	Guscio	149	150	754	752	4	25.0
349	Guscio	753	755	140	139	4	25.0
350	Guscio	754	756	755	753	4	25.0
351	Guscio	150	151	756	754	4	25.0
352	Guscio	755	757	141	140	4	25.0
353	Guscio	756	758	757	755	4	25.0
354	Guscio	151	152	758	756	4	25.0
355	Guscio	757	759	142	141	4	25.0
356	Guscio	758	760	759	757	4	25.0
357	Guscio	152	153	760	758	4	25.0
358	Guscio	759	470	8	142	4	25.0
359	Guscio	760	469	470	759	4	25.0
360	Guscio	153	7	469	760	4	25.0
361	Guscio	482	761	77	24	4	25.0
362	Guscio	481	762	761	482	4	25.0
363	Guscio	23	275	762	481	4	25.0
364	Guscio	761	763	78	77	4	25.0
365	Guscio	762	764	763	761	4	25.0
366	Guscio	275	276	764	762	4	25.0
367	Guscio	763	765	79	78	4	25.0
368	Guscio	764	766	765	763	4	25.0
369	Guscio	276	277	766	764	4	25.0
370	Guscio	765	767	80	79	4	25.0
371	Guscio	766	768	767	765	4	25.0
372	Guscio	277	278	768	766	4	25.0
373	Guscio	767	769	81	80	4	25.0
374	Guscio	768	770	769	767	4	25.0
375	Guscio	278	279	770	768	4	25.0
376	Guscio	769	771	82	81	4	25.0

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

377	Guscio	770	772	771	769	4	25.0
378	Guscio	279	280	772	770	4	25.0
379	Guscio	771	773	83	82	4	25.0
380	Guscio	772	774	773	771	4	25.0
381	Guscio	280	281	774	772	4	25.0
382	Guscio	773	775	84	83	4	25.0
383	Guscio	774	776	775	773	4	25.0
384	Guscio	281	282	776	774	4	25.0
385	Guscio	775	777	85	84	4	25.0
386	Guscio	776	778	777	775	4	25.0
387	Guscio	282	283	778	776	4	25.0
388	Guscio	777	779	86	85	4	25.0
389	Guscio	778	780	779	777	4	25.0
390	Guscio	283	284	780	778	4	25.0
391	Guscio	779	781	87	86	4	25.0
392	Guscio	780	782	781	779	4	25.0
393	Guscio	284	285	782	780	4	25.0
394	Guscio	781	492	25	87	4	25.0
395	Guscio	782	491	492	781	4	25.0
396	Guscio	285	26	491	782	4	25.0
397	Guscio	484	783	275	23	4	25.0
398	Guscio	483	784	783	484	4	25.0
399	Guscio	22	286	784	483	4	25.0
400	Guscio	783	785	276	275	4	25.0
401	Guscio	784	786	785	783	4	25.0
402	Guscio	286	287	786	784	4	25.0
403	Guscio	785	787	277	276	4	25.0
404	Guscio	786	788	787	785	4	25.0
405	Guscio	287	288	788	786	4	25.0
406	Guscio	787	789	278	277	4	25.0
407	Guscio	788	790	789	787	4	25.0
408	Guscio	288	289	790	788	4	25.0
409	Guscio	789	791	279	278	4	25.0
410	Guscio	790	792	791	789	4	25.0
411	Guscio	289	290	792	790	4	25.0
412	Guscio	791	793	280	279	4	25.0
413	Guscio	792	794	793	791	4	25.0
414	Guscio	290	291	794	792	4	25.0

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

415	Guscio	793	795	281	280	4	25.0
416	Guscio	794	796	795	793	4	25.0
417	Guscio	291	292	796	794	4	25.0
418	Guscio	795	797	282	281	4	25.0
419	Guscio	796	798	797	795	4	25.0
420	Guscio	292	293	798	796	4	25.0
421	Guscio	797	799	283	282	4	25.0
422	Guscio	798	800	799	797	4	25.0
423	Guscio	293	294	800	798	4	25.0
424	Guscio	799	801	284	283	4	25.0
425	Guscio	800	802	801	799	4	25.0
426	Guscio	294	295	802	800	4	25.0
427	Guscio	801	803	285	284	4	25.0
428	Guscio	802	804	803	801	4	25.0
429	Guscio	295	296	804	802	4	25.0
430	Guscio	803	494	26	285	4	25.0
431	Guscio	804	493	494	803	4	25.0
432	Guscio	296	27	493	804	4	25.0
433	Guscio	486	805	286	22	4	25.0
434	Guscio	485	806	805	486	4	25.0
435	Guscio	21	297	806	485	4	25.0
436	Guscio	805	807	287	286	4	25.0
437	Guscio	806	808	807	805	4	25.0
438	Guscio	297	298	808	806	4	25.0
439	Guscio	807	809	288	287	4	25.0
440	Guscio	808	810	809	807	4	25.0
441	Guscio	298	299	810	808	4	25.0
442	Guscio	809	811	289	288	4	25.0
443	Guscio	810	812	811	809	4	25.0
444	Guscio	299	300	812	810	4	25.0
445	Guscio	811	813	290	289	4	25.0
446	Guscio	812	814	813	811	4	25.0
447	Guscio	300	301	814	812	4	25.0
448	Guscio	813	815	291	290	4	25.0
449	Guscio	814	816	815	813	4	25.0
450	Guscio	301	302	816	814	4	25.0
451	Guscio	815	817	292	291	4	25.0
452	Guscio	816	818	817	815	4	25.0

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

453	Guscio	302	303	818	816	4	25.0
454	Guscio	817	819	293	292	4	25.0
455	Guscio	818	820	819	817	4	25.0
456	Guscio	303	304	820	818	4	25.0
457	Guscio	819	821	294	293	4	25.0
458	Guscio	820	822	821	819	4	25.0
459	Guscio	304	305	822	820	4	25.0
460	Guscio	821	823	295	294	4	25.0
461	Guscio	822	824	823	821	4	25.0
462	Guscio	305	306	824	822	4	25.0
463	Guscio	823	825	296	295	4	25.0
464	Guscio	824	826	825	823	4	25.0
465	Guscio	306	307	826	824	4	25.0
466	Guscio	825	496	27	296	4	25.0
467	Guscio	826	495	496	825	4	25.0
468	Guscio	307	28	495	826	4	25.0
469	Guscio	488	827	297	21	4	25.0
470	Guscio	487	828	827	488	4	25.0
471	Guscio	20	308	828	487	4	25.0
472	Guscio	827	829	298	297	4	25.0
473	Guscio	828	830	829	827	4	25.0
474	Guscio	308	309	830	828	4	25.0
475	Guscio	829	831	299	298	4	25.0
476	Guscio	830	832	831	829	4	25.0
477	Guscio	309	310	832	830	4	25.0
478	Guscio	831	833	300	299	4	25.0
479	Guscio	832	834	833	831	4	25.0
480	Guscio	310	311	834	832	4	25.0
481	Guscio	833	835	301	300	4	25.0
482	Guscio	834	836	835	833	4	25.0
483	Guscio	311	312	836	834	4	25.0
484	Guscio	835	837	302	301	4	25.0
485	Guscio	836	838	837	835	4	25.0
486	Guscio	312	313	838	836	4	25.0
487	Guscio	837	839	303	302	4	25.0
488	Guscio	838	840	839	837	4	25.0
489	Guscio	313	314	840	838	4	25.0
490	Guscio	839	841	304	303	4	25.0

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

491	Guscio	840	842	841	839	4	25.0
492	Guscio	314	315	842	840	4	25.0
493	Guscio	841	843	305	304	4	25.0
494	Guscio	842	844	843	841	4	25.0
495	Guscio	315	316	844	842	4	25.0
496	Guscio	843	845	306	305	4	25.0
497	Guscio	844	846	845	843	4	25.0
498	Guscio	316	317	846	844	4	25.0
499	Guscio	845	847	307	306	4	25.0
500	Guscio	846	848	847	845	4	25.0
501	Guscio	317	318	848	846	4	25.0
502	Guscio	847	498	28	307	4	25.0
503	Guscio	848	497	498	847	4	25.0
504	Guscio	318	29	497	848	4	25.0
505	Guscio	490	849	308	20	4	25.0
506	Guscio	489	850	849	490	4	25.0
507	Guscio	19	209	850	489	4	25.0
508	Guscio	849	851	309	308	4	25.0
509	Guscio	850	852	851	849	4	25.0
510	Guscio	209	210	852	850	4	25.0
511	Guscio	851	853	310	309	4	25.0
512	Guscio	852	854	853	851	4	25.0
513	Guscio	210	211	854	852	4	25.0
514	Guscio	853	855	311	310	4	25.0
515	Guscio	854	856	855	853	4	25.0
516	Guscio	211	212	856	854	4	25.0
517	Guscio	855	857	312	311	4	25.0
518	Guscio	856	858	857	855	4	25.0
519	Guscio	212	213	858	856	4	25.0
520	Guscio	857	859	313	312	4	25.0
521	Guscio	858	860	859	857	4	25.0
522	Guscio	213	214	860	858	4	25.0
523	Guscio	859	861	314	313	4	25.0
524	Guscio	860	862	861	859	4	25.0
525	Guscio	214	215	862	860	4	25.0
526	Guscio	861	863	315	314	4	25.0
527	Guscio	862	864	863	861	4	25.0
528	Guscio	215	216	864	862	4	25.0

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

529	Guscio	863	865	316	315	4	25.0
530	Guscio	864	866	865	863	4	25.0
531	Guscio	216	217	866	864	4	25.0
532	Guscio	865	867	317	316	4	25.0
533	Guscio	866	868	867	865	4	25.0
534	Guscio	217	218	868	866	4	25.0
535	Guscio	867	869	318	317	4	25.0
536	Guscio	868	870	869	867	4	25.0
537	Guscio	218	219	870	868	4	25.0
538	Guscio	869	500	29	318	4	25.0
539	Guscio	870	499	500	869	4	25.0
540	Guscio	219	30	499	870	4	25.0
541	Guscio	492	871	88	25	4	25.0
542	Guscio	491	872	871	492	4	25.0
543	Guscio	26	264	872	491	4	25.0
544	Guscio	871	873	89	88	4	25.0
545	Guscio	872	874	873	871	4	25.0
546	Guscio	264	265	874	872	4	25.0
547	Guscio	873	875	90	89	4	25.0
548	Guscio	874	876	875	873	4	25.0
549	Guscio	265	266	876	874	4	25.0
550	Guscio	875	877	91	90	4	25.0
551	Guscio	876	878	877	875	4	25.0
552	Guscio	266	267	878	876	4	25.0
553	Guscio	877	879	92	91	4	25.0
554	Guscio	878	880	879	877	4	25.0
555	Guscio	267	268	880	878	4	25.0
556	Guscio	879	881	93	92	4	25.0
557	Guscio	880	882	881	879	4	25.0
558	Guscio	268	269	882	880	4	25.0
559	Guscio	881	883	94	93	4	25.0
560	Guscio	882	884	883	881	4	25.0
561	Guscio	269	270	884	882	4	25.0
562	Guscio	883	885	95	94	4	25.0
563	Guscio	884	886	885	883	4	25.0
564	Guscio	270	271	886	884	4	25.0
565	Guscio	885	887	96	95	4	25.0
566	Guscio	886	888	887	885	4	25.0

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

567	Guscio	271	272	888	886	4	25.0
568	Guscio	887	889	97	96	4	25.0
569	Guscio	888	890	889	887	4	25.0
570	Guscio	272	273	890	888	4	25.0
571	Guscio	889	891	98	97	4	25.0
572	Guscio	890	892	891	889	4	25.0
573	Guscio	273	274	892	890	4	25.0
574	Guscio	891	502	36	98	4	25.0
575	Guscio	892	501	502	891	4	25.0
576	Guscio	274	35	501	892	4	25.0
577	Guscio	494	893	264	26	4	25.0
578	Guscio	493	894	893	494	4	25.0
579	Guscio	27	253	894	493	4	25.0
580	Guscio	893	895	265	264	4	25.0
581	Guscio	894	896	895	893	4	25.0
582	Guscio	253	254	896	894	4	25.0
583	Guscio	895	897	266	265	4	25.0
584	Guscio	896	898	897	895	4	25.0
585	Guscio	254	255	898	896	4	25.0
586	Guscio	897	899	267	266	4	25.0
587	Guscio	898	900	899	897	4	25.0
588	Guscio	255	256	900	898	4	25.0
589	Guscio	899	901	268	267	4	25.0
590	Guscio	900	902	901	899	4	25.0
591	Guscio	256	257	902	900	4	25.0
592	Guscio	901	903	269	268	4	25.0
593	Guscio	902	904	903	901	4	25.0
594	Guscio	257	258	904	902	4	25.0
595	Guscio	903	905	270	269	4	25.0
596	Guscio	904	906	905	903	4	25.0
597	Guscio	258	259	906	904	4	25.0
598	Guscio	905	907	271	270	4	25.0
599	Guscio	906	908	907	905	4	25.0
600	Guscio	259	260	908	906	4	25.0
601	Guscio	907	909	272	271	4	25.0
602	Guscio	908	910	909	907	4	25.0
603	Guscio	260	261	910	908	4	25.0
604	Guscio	909	911	273	272	4	25.0

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

605	Guscio	910	912	911	909	4	25.0
606	Guscio	261	262	912	910	4	25.0
607	Guscio	911	913	274	273	4	25.0
608	Guscio	912	914	913	911	4	25.0
609	Guscio	262	263	914	912	4	25.0
610	Guscio	913	504	35	274	4	25.0
611	Guscio	914	503	504	913	4	25.0
612	Guscio	263	34	503	914	4	25.0
613	Guscio	496	915	253	27	4	25.0
614	Guscio	495	916	915	496	4	25.0
615	Guscio	28	242	916	495	4	25.0
616	Guscio	915	917	254	253	4	25.0
617	Guscio	916	918	917	915	4	25.0
618	Guscio	242	243	918	916	4	25.0
619	Guscio	917	919	255	254	4	25.0
620	Guscio	918	920	919	917	4	25.0
621	Guscio	243	244	920	918	4	25.0
622	Guscio	919	921	256	255	4	25.0
623	Guscio	920	922	921	919	4	25.0
624	Guscio	244	245	922	920	4	25.0
625	Guscio	921	923	257	256	4	25.0
626	Guscio	922	924	923	921	4	25.0
627	Guscio	245	246	924	922	4	25.0
628	Guscio	923	925	258	257	4	25.0
629	Guscio	924	926	925	923	4	25.0
630	Guscio	246	247	926	924	4	25.0
631	Guscio	925	927	259	258	4	25.0
632	Guscio	926	928	927	925	4	25.0
633	Guscio	247	248	928	926	4	25.0
634	Guscio	927	929	260	259	4	25.0
635	Guscio	928	930	929	927	4	25.0
636	Guscio	248	249	930	928	4	25.0
637	Guscio	929	931	261	260	4	25.0
638	Guscio	930	932	931	929	4	25.0
639	Guscio	249	250	932	930	4	25.0
640	Guscio	931	933	262	261	4	25.0
641	Guscio	932	934	933	931	4	25.0
642	Guscio	250	251	934	932	4	25.0

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

643	Guscio	933	935	263	262	4	25.0
644	Guscio	934	936	935	933	4	25.0
645	Guscio	251	252	936	934	4	25.0
646	Guscio	935	506	34	263	4	25.0
647	Guscio	936	505	506	935	4	25.0
648	Guscio	252	33	505	936	4	25.0
649	Guscio	498	937	242	28	4	25.0
650	Guscio	497	938	937	498	4	25.0
651	Guscio	29	231	938	497	4	25.0
652	Guscio	937	939	243	242	4	25.0
653	Guscio	938	940	939	937	4	25.0
654	Guscio	231	232	940	938	4	25.0
655	Guscio	939	941	244	243	4	25.0
656	Guscio	940	942	941	939	4	25.0
657	Guscio	232	233	942	940	4	25.0
658	Guscio	941	943	245	244	4	25.0
659	Guscio	942	944	943	941	4	25.0
660	Guscio	233	234	944	942	4	25.0
661	Guscio	943	945	246	245	4	25.0
662	Guscio	944	946	945	943	4	25.0
663	Guscio	234	235	946	944	4	25.0
664	Guscio	945	947	247	246	4	25.0
665	Guscio	946	948	947	945	4	25.0
666	Guscio	235	236	948	946	4	25.0
667	Guscio	947	949	248	247	4	25.0
668	Guscio	948	950	949	947	4	25.0
669	Guscio	236	237	950	948	4	25.0
670	Guscio	949	951	249	248	4	25.0
671	Guscio	950	952	951	949	4	25.0
672	Guscio	237	238	952	950	4	25.0
673	Guscio	951	953	250	249	4	25.0
674	Guscio	952	954	953	951	4	25.0
675	Guscio	238	239	954	952	4	25.0
676	Guscio	953	955	251	250	4	25.0
677	Guscio	954	956	955	953	4	25.0
678	Guscio	239	240	956	954	4	25.0
679	Guscio	955	957	252	251	4	25.0
680	Guscio	956	958	957	955	4	25.0

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

681	Guscio	240	241	958	956	4	25.0
682	Guscio	957	508	33	252	4	25.0
683	Guscio	958	507	508	957	4	25.0
684	Guscio	241	32	507	958	4	25.0
685	Guscio	500	959	231	29	4	25.0
686	Guscio	499	960	959	500	4	25.0
687	Guscio	30	220	960	499	4	25.0
688	Guscio	959	961	232	231	4	25.0
689	Guscio	960	962	961	959	4	25.0
690	Guscio	220	221	962	960	4	25.0
691	Guscio	961	963	233	232	4	25.0
692	Guscio	962	964	963	961	4	25.0
693	Guscio	221	222	964	962	4	25.0
694	Guscio	963	965	234	233	4	25.0
695	Guscio	964	966	965	963	4	25.0
696	Guscio	222	223	966	964	4	25.0
697	Guscio	965	967	235	234	4	25.0
698	Guscio	966	968	967	965	4	25.0
699	Guscio	223	224	968	966	4	25.0
700	Guscio	967	969	236	235	4	25.0
701	Guscio	968	970	969	967	4	25.0
702	Guscio	224	225	970	968	4	25.0
703	Guscio	969	971	237	236	4	25.0
704	Guscio	970	972	971	969	4	25.0
705	Guscio	225	226	972	970	4	25.0
706	Guscio	971	973	238	237	4	25.0
707	Guscio	972	974	973	971	4	25.0
708	Guscio	226	227	974	972	4	25.0
709	Guscio	973	975	239	238	4	25.0
710	Guscio	974	976	975	973	4	25.0
711	Guscio	227	228	976	974	4	25.0
712	Guscio	975	977	240	239	4	25.0
713	Guscio	976	978	977	975	4	25.0
714	Guscio	228	229	978	976	4	25.0
715	Guscio	977	979	241	240	4	25.0
716	Guscio	978	980	979	977	4	25.0
717	Guscio	229	230	980	978	4	25.0
718	Guscio	979	510	32	241	4	25.0

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

719	Guscio	980	509	510	979	4	25.0
720	Guscio	230	31	509	980	4	25.0
721	Guscio	512	981	319	37	4	25.0
722	Guscio	511	982	981	512	4	25.0
723	Guscio	38	341	982	511	4	25.0
724	Guscio	981	983	320	319	4	25.0
725	Guscio	982	984	983	981	4	25.0
726	Guscio	341	342	984	982	4	25.0
727	Guscio	983	985	321	320	4	25.0
728	Guscio	984	986	985	983	4	25.0
729	Guscio	342	343	986	984	4	25.0
730	Guscio	985	987	322	321	4	25.0
731	Guscio	986	988	987	985	4	25.0
732	Guscio	343	344	988	986	4	25.0
733	Guscio	987	989	323	322	4	25.0
734	Guscio	988	990	989	987	4	25.0
735	Guscio	344	345	990	988	4	25.0
736	Guscio	989	991	324	323	4	25.0
737	Guscio	990	992	991	989	4	25.0
738	Guscio	345	346	992	990	4	25.0
739	Guscio	991	993	325	324	4	25.0
740	Guscio	992	994	993	991	4	25.0
741	Guscio	346	347	994	992	4	25.0
742	Guscio	993	995	326	325	4	25.0
743	Guscio	994	996	995	993	4	25.0
744	Guscio	347	348	996	994	4	25.0
745	Guscio	995	997	327	326	4	25.0
746	Guscio	996	998	997	995	4	25.0
747	Guscio	348	349	998	996	4	25.0
748	Guscio	997	999	328	327	4	25.0
749	Guscio	998	1000	999	997	4	25.0
750	Guscio	349	350	1000	998	4	25.0
751	Guscio	999	1001	329	328	4	25.0
752	Guscio	1000	1002	1001	999	4	25.0
753	Guscio	350	351	1002	1000	4	25.0
754	Guscio	1001	532	48	329	4	25.0
755	Guscio	1002	531	532	1001	4	25.0
756	Guscio	351	47	531	1002	4	25.0

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

757	Guscio	532	1003	330	48	4	25.0
758	Guscio	531	1004	1003	532	4	25.0
759	Guscio	47	352	1004	531	4	25.0
760	Guscio	1003	1005	331	330	4	25.0
761	Guscio	1004	1006	1005	1003	4	25.0
762	Guscio	352	353	1006	1004	4	25.0
763	Guscio	1005	1007	332	331	4	25.0
764	Guscio	1006	1008	1007	1005	4	25.0
765	Guscio	353	354	1008	1006	4	25.0
766	Guscio	1007	1009	333	332	4	25.0
767	Guscio	1008	1010	1009	1007	4	25.0
768	Guscio	354	355	1010	1008	4	25.0
769	Guscio	1009	1011	334	333	4	25.0
770	Guscio	1010	1012	1011	1009	4	25.0
771	Guscio	355	356	1012	1010	4	25.0
772	Guscio	1011	1013	335	334	4	25.0
773	Guscio	1012	1014	1013	1011	4	25.0
774	Guscio	356	357	1014	1012	4	25.0
775	Guscio	1013	1015	336	335	4	25.0
776	Guscio	1014	1016	1015	1013	4	25.0
777	Guscio	357	358	1016	1014	4	25.0
778	Guscio	1015	1017	337	336	4	25.0
779	Guscio	1016	1018	1017	1015	4	25.0
780	Guscio	358	359	1018	1016	4	25.0
781	Guscio	1017	1019	338	337	4	25.0
782	Guscio	1018	1020	1019	1017	4	25.0
783	Guscio	359	360	1020	1018	4	25.0
784	Guscio	1019	1021	339	338	4	25.0
785	Guscio	1020	1022	1021	1019	4	25.0
786	Guscio	360	361	1022	1020	4	25.0
787	Guscio	1021	1023	340	339	4	25.0
788	Guscio	1022	1024	1023	1021	4	25.0
789	Guscio	361	362	1024	1022	4	25.0
790	Guscio	1023	522	49	340	4	25.0
791	Guscio	1024	521	522	1023	4	25.0
792	Guscio	362	50	521	1024	4	25.0
793	Guscio	534	1025	352	47	4	25.0
794	Guscio	533	1026	1025	534	4	25.0

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

795	Guscio	46	374	1026	533	4	25.0
796	Guscio	1025	1027	353	352	4	25.0
797	Guscio	1026	1028	1027	1025	4	25.0
798	Guscio	374	375	1028	1026	4	25.0
799	Guscio	1027	1029	354	353	4	25.0
800	Guscio	1028	1030	1029	1027	4	25.0
801	Guscio	375	376	1030	1028	4	25.0
802	Guscio	1029	1031	355	354	4	25.0
803	Guscio	1030	1032	1031	1029	4	25.0
804	Guscio	376	377	1032	1030	4	25.0
805	Guscio	1031	1033	356	355	4	25.0
806	Guscio	1032	1034	1033	1031	4	25.0
807	Guscio	377	378	1034	1032	4	25.0
808	Guscio	1033	1035	357	356	4	25.0
809	Guscio	1034	1036	1035	1033	4	25.0
810	Guscio	378	379	1036	1034	4	25.0
811	Guscio	1035	1037	358	357	4	25.0
812	Guscio	1036	1038	1037	1035	4	25.0
813	Guscio	379	380	1038	1036	4	25.0
814	Guscio	1037	1039	359	358	4	25.0
815	Guscio	1038	1040	1039	1037	4	25.0
816	Guscio	380	381	1040	1038	4	25.0
817	Guscio	1039	1041	360	359	4	25.0
818	Guscio	1040	1042	1041	1039	4	25.0
819	Guscio	381	382	1042	1040	4	25.0
820	Guscio	1041	1043	361	360	4	25.0
821	Guscio	1042	1044	1043	1041	4	25.0
822	Guscio	382	383	1044	1042	4	25.0
823	Guscio	1043	1045	362	361	4	25.0
824	Guscio	1044	1046	1045	1043	4	25.0
825	Guscio	383	384	1046	1044	4	25.0
826	Guscio	1045	524	50	362	4	25.0
827	Guscio	1046	523	524	1045	4	25.0
828	Guscio	384	51	523	1046	4	25.0
829	Guscio	536	1047	374	46	4	25.0
830	Guscio	535	1048	1047	536	4	25.0
831	Guscio	45	396	1048	535	4	25.0
832	Guscio	1047	1049	375	374	4	25.0

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

833	Guscio	1048	1050	1049	1047	4	25.0
834	Guscio	396	397	1050	1048	4	25.0
835	Guscio	1049	1051	376	375	4	25.0
836	Guscio	1050	1052	1051	1049	4	25.0
837	Guscio	397	398	1052	1050	4	25.0
838	Guscio	1051	1053	377	376	4	25.0
839	Guscio	1052	1054	1053	1051	4	25.0
840	Guscio	398	399	1054	1052	4	25.0
841	Guscio	1053	1055	378	377	4	25.0
842	Guscio	1054	1056	1055	1053	4	25.0
843	Guscio	399	400	1056	1054	4	25.0
844	Guscio	1055	1057	379	378	4	25.0
845	Guscio	1056	1058	1057	1055	4	25.0
846	Guscio	400	401	1058	1056	4	25.0
847	Guscio	1057	1059	380	379	4	25.0
848	Guscio	1058	1060	1059	1057	4	25.0
849	Guscio	401	402	1060	1058	4	25.0
850	Guscio	1059	1061	381	380	4	25.0
851	Guscio	1060	1062	1061	1059	4	25.0
852	Guscio	402	403	1062	1060	4	25.0
853	Guscio	1061	1063	382	381	4	25.0
854	Guscio	1062	1064	1063	1061	4	25.0
855	Guscio	403	404	1064	1062	4	25.0
856	Guscio	1063	1065	383	382	4	25.0
857	Guscio	1064	1066	1065	1063	4	25.0
858	Guscio	404	405	1066	1064	4	25.0
859	Guscio	1065	1067	384	383	4	25.0
860	Guscio	1066	1068	1067	1065	4	25.0
861	Guscio	405	406	1068	1066	4	25.0
862	Guscio	1067	526	51	384	4	25.0
863	Guscio	1068	525	526	1067	4	25.0
864	Guscio	406	52	525	1068	4	25.0
865	Guscio	538	1069	396	45	4	25.0
866	Guscio	537	1070	1069	538	4	25.0
867	Guscio	44	418	1070	537	4	25.0
868	Guscio	1069	1071	397	396	4	25.0
869	Guscio	1070	1072	1071	1069	4	25.0
870	Guscio	418	419	1072	1070	4	25.0

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

871	Guscio	1071	1073	398	397	4	25.0
872	Guscio	1072	1074	1073	1071	4	25.0
873	Guscio	419	420	1074	1072	4	25.0
874	Guscio	1073	1075	399	398	4	25.0
875	Guscio	1074	1076	1075	1073	4	25.0
876	Guscio	420	421	1076	1074	4	25.0
877	Guscio	1075	1077	400	399	4	25.0
878	Guscio	1076	1078	1077	1075	4	25.0
879	Guscio	421	422	1078	1076	4	25.0
880	Guscio	1077	1079	401	400	4	25.0
881	Guscio	1078	1080	1079	1077	4	25.0
882	Guscio	422	423	1080	1078	4	25.0
883	Guscio	1079	1081	402	401	4	25.0
884	Guscio	1080	1082	1081	1079	4	25.0
885	Guscio	423	424	1082	1080	4	25.0
886	Guscio	1081	1083	403	402	4	25.0
887	Guscio	1082	1084	1083	1081	4	25.0
888	Guscio	424	425	1084	1082	4	25.0
889	Guscio	1083	1085	404	403	4	25.0
890	Guscio	1084	1086	1085	1083	4	25.0
891	Guscio	425	426	1086	1084	4	25.0
892	Guscio	1085	1087	405	404	4	25.0
893	Guscio	1086	1088	1087	1085	4	25.0
894	Guscio	426	427	1088	1086	4	25.0
895	Guscio	1087	1089	406	405	4	25.0
896	Guscio	1088	1090	1089	1087	4	25.0
897	Guscio	427	428	1090	1088	4	25.0
898	Guscio	1089	528	52	406	4	25.0
899	Guscio	1090	527	528	1089	4	25.0
900	Guscio	428	53	527	1090	4	25.0
901	Guscio	540	1091	418	44	4	25.0
902	Guscio	539	1092	1091	540	4	25.0
903	Guscio	43	440	1092	539	4	25.0
904	Guscio	1091	1093	419	418	4	25.0
905	Guscio	1092	1094	1093	1091	4	25.0
906	Guscio	440	441	1094	1092	4	25.0
907	Guscio	1093	1095	420	419	4	25.0
908	Guscio	1094	1096	1095	1093	4	25.0

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

909	Guscio	441	442	1096	1094	4	25.0
910	Guscio	1095	1097	421	420	4	25.0
911	Guscio	1096	1098	1097	1095	4	25.0
912	Guscio	442	443	1098	1096	4	25.0
913	Guscio	1097	1099	422	421	4	25.0
914	Guscio	1098	1100	1099	1097	4	25.0
915	Guscio	443	444	1100	1098	4	25.0
916	Guscio	1099	1101	423	422	4	25.0
917	Guscio	1100	1102	1101	1099	4	25.0
918	Guscio	444	445	1102	1100	4	25.0
919	Guscio	1101	1103	424	423	4	25.0
920	Guscio	1102	1104	1103	1101	4	25.0
921	Guscio	445	446	1104	1102	4	25.0
922	Guscio	1103	1105	425	424	4	25.0
923	Guscio	1104	1106	1105	1103	4	25.0
924	Guscio	446	447	1106	1104	4	25.0
925	Guscio	1105	1107	426	425	4	25.0
926	Guscio	1106	1108	1107	1105	4	25.0
927	Guscio	447	448	1108	1106	4	25.0
928	Guscio	1107	1109	427	426	4	25.0
929	Guscio	1108	1110	1109	1107	4	25.0
930	Guscio	448	449	1110	1108	4	25.0
931	Guscio	1109	1111	428	427	4	25.0
932	Guscio	1110	1112	1111	1109	4	25.0
933	Guscio	449	450	1112	1110	4	25.0
934	Guscio	1111	530	53	428	4	25.0
935	Guscio	1112	529	530	1111	4	25.0
936	Guscio	450	54	529	1112	4	25.0
937	Guscio	514	1113	341	38	4	25.0
938	Guscio	513	1114	1113	514	4	25.0
939	Guscio	39	363	1114	513	4	25.0
940	Guscio	1113	1115	342	341	4	25.0
941	Guscio	1114	1116	1115	1113	4	25.0
942	Guscio	363	364	1116	1114	4	25.0
943	Guscio	1115	1117	343	342	4	25.0
944	Guscio	1116	1118	1117	1115	4	25.0
945	Guscio	364	365	1118	1116	4	25.0
946	Guscio	1117	1119	344	343	4	25.0

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

947	Guscio	1118	1120	1119	1117	4	25.0
948	Guscio	365	366	1120	1118	4	25.0
949	Guscio	1119	1121	345	344	4	25.0
950	Guscio	1120	1122	1121	1119	4	25.0
951	Guscio	366	367	1122	1120	4	25.0
952	Guscio	1121	1123	346	345	4	25.0
953	Guscio	1122	1124	1123	1121	4	25.0
954	Guscio	367	368	1124	1122	4	25.0
955	Guscio	1123	1125	347	346	4	25.0
956	Guscio	1124	1126	1125	1123	4	25.0
957	Guscio	368	369	1126	1124	4	25.0
958	Guscio	1125	1127	348	347	4	25.0
959	Guscio	1126	1128	1127	1125	4	25.0
960	Guscio	369	370	1128	1126	4	25.0
961	Guscio	1127	1129	349	348	4	25.0
962	Guscio	1128	1130	1129	1127	4	25.0
963	Guscio	370	371	1130	1128	4	25.0
964	Guscio	1129	1131	350	349	4	25.0
965	Guscio	1130	1132	1131	1129	4	25.0
966	Guscio	371	372	1132	1130	4	25.0
967	Guscio	1131	1133	351	350	4	25.0
968	Guscio	1132	1134	1133	1131	4	25.0
969	Guscio	372	373	1134	1132	4	25.0
970	Guscio	1133	534	47	351	4	25.0
971	Guscio	1134	533	534	1133	4	25.0
972	Guscio	373	46	533	1134	4	25.0
973	Guscio	516	1135	363	39	4	25.0
974	Guscio	515	1136	1135	516	4	25.0
975	Guscio	40	385	1136	515	4	25.0
976	Guscio	1135	1137	364	363	4	25.0
977	Guscio	1136	1138	1137	1135	4	25.0
978	Guscio	385	386	1138	1136	4	25.0
979	Guscio	1137	1139	365	364	4	25.0
980	Guscio	1138	1140	1139	1137	4	25.0
981	Guscio	386	387	1140	1138	4	25.0
982	Guscio	1139	1141	366	365	4	25.0
983	Guscio	1140	1142	1141	1139	4	25.0
984	Guscio	387	388	1142	1140	4	25.0

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

985	Guscio	1141	1143	367	366	4	25.0
986	Guscio	1142	1144	1143	1141	4	25.0
987	Guscio	388	389	1144	1142	4	25.0
988	Guscio	1143	1145	368	367	4	25.0
989	Guscio	1144	1146	1145	1143	4	25.0
990	Guscio	389	390	1146	1144	4	25.0
991	Guscio	1145	1147	369	368	4	25.0
992	Guscio	1146	1148	1147	1145	4	25.0
993	Guscio	390	391	1148	1146	4	25.0
994	Guscio	1147	1149	370	369	4	25.0
995	Guscio	1148	1150	1149	1147	4	25.0
996	Guscio	391	392	1150	1148	4	25.0
997	Guscio	1149	1151	371	370	4	25.0
998	Guscio	1150	1152	1151	1149	4	25.0
999	Guscio	392	393	1152	1150	4	25.0
1000	Guscio	1151	1153	372	371	4	25.0
1001	Guscio	1152	1154	1153	1151	4	25.0
1002	Guscio	393	394	1154	1152	4	25.0
1003	Guscio	1153	1155	373	372	4	25.0
1004	Guscio	1154	1156	1155	1153	4	25.0
1005	Guscio	394	395	1156	1154	4	25.0
1006	Guscio	1155	536	46	373	4	25.0
1007	Guscio	1156	535	536	1155	4	25.0
1008	Guscio	395	45	535	1156	4	25.0
1009	Guscio	518	1157	385	40	4	25.0
1010	Guscio	517	1158	1157	518	4	25.0
1011	Guscio	41	407	1158	517	4	25.0
1012	Guscio	1157	1159	386	385	4	25.0
1013	Guscio	1158	1160	1159	1157	4	25.0
1014	Guscio	407	408	1160	1158	4	25.0
1015	Guscio	1159	1161	387	386	4	25.0
1016	Guscio	1160	1162	1161	1159	4	25.0
1017	Guscio	408	409	1162	1160	4	25.0
1018	Guscio	1161	1163	388	387	4	25.0
1019	Guscio	1162	1164	1163	1161	4	25.0
1020	Guscio	409	410	1164	1162	4	25.0
1021	Guscio	1163	1165	389	388	4	25.0
1022	Guscio	1164	1166	1165	1163	4	25.0

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

1023	Guscio	410	411	1166	1164	4	25.0
1024	Guscio	1165	1167	390	389	4	25.0
1025	Guscio	1166	1168	1167	1165	4	25.0
1026	Guscio	411	412	1168	1166	4	25.0
1027	Guscio	1167	1169	391	390	4	25.0
1028	Guscio	1168	1170	1169	1167	4	25.0
1029	Guscio	412	413	1170	1168	4	25.0
1030	Guscio	1169	1171	392	391	4	25.0
1031	Guscio	1170	1172	1171	1169	4	25.0
1032	Guscio	413	414	1172	1170	4	25.0
1033	Guscio	1171	1173	393	392	4	25.0
1034	Guscio	1172	1174	1173	1171	4	25.0
1035	Guscio	414	415	1174	1172	4	25.0
1036	Guscio	1173	1175	394	393	4	25.0
1037	Guscio	1174	1176	1175	1173	4	25.0
1038	Guscio	415	416	1176	1174	4	25.0
1039	Guscio	1175	1177	395	394	4	25.0
1040	Guscio	1176	1178	1177	1175	4	25.0
1041	Guscio	416	417	1178	1176	4	25.0
1042	Guscio	1177	538	45	395	4	25.0
1043	Guscio	1178	537	538	1177	4	25.0
1044	Guscio	417	44	537	1178	4	25.0
1045	Guscio	520	1179	407	41	4	25.0
1046	Guscio	519	1180	1179	520	4	25.0
1047	Guscio	42	429	1180	519	4	25.0
1048	Guscio	1179	1181	408	407	4	25.0
1049	Guscio	1180	1182	1181	1179	4	25.0
1050	Guscio	429	430	1182	1180	4	25.0
1051	Guscio	1181	1183	409	408	4	25.0
1052	Guscio	1182	1184	1183	1181	4	25.0
1053	Guscio	430	431	1184	1182	4	25.0
1054	Guscio	1183	1185	410	409	4	25.0
1055	Guscio	1184	1186	1185	1183	4	25.0
1056	Guscio	431	432	1186	1184	4	25.0
1057	Guscio	1185	1187	411	410	4	25.0
1058	Guscio	1186	1188	1187	1185	4	25.0
1059	Guscio	432	433	1188	1186	4	25.0
1060	Guscio	1187	1189	412	411	4	25.0

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

1061	Guscio	1188	1190	1189	1187	4	25.0
1062	Guscio	433	434	1190	1188	4	25.0
1063	Guscio	1189	1191	413	412	4	25.0
1064	Guscio	1190	1192	1191	1189	4	25.0
1065	Guscio	434	435	1192	1190	4	25.0
1066	Guscio	1191	1193	414	413	4	25.0
1067	Guscio	1192	1194	1193	1191	4	25.0
1068	Guscio	435	436	1194	1192	4	25.0
1069	Guscio	1193	1195	415	414	4	25.0
1070	Guscio	1194	1196	1195	1193	4	25.0
1071	Guscio	436	437	1196	1194	4	25.0
1072	Guscio	1195	1197	416	415	4	25.0
1073	Guscio	1196	1198	1197	1195	4	25.0
1074	Guscio	437	438	1198	1196	4	25.0
1075	Guscio	1197	1199	417	416	4	25.0
1076	Guscio	1198	1200	1199	1197	4	25.0
1077	Guscio	438	439	1200	1198	4	25.0
1078	Guscio	1199	540	44	417	4	25.0
1079	Guscio	1200	539	540	1199	4	25.0
1080	Guscio	439	43	539	1200	4	25.0
1081	Setto	1278	1277	1271	1279	4	160.0
1082	Setto	1281	1280	1277	1278	4	160.0
1083	Setto	1283	1282	1280	1281	4	160.0
1084	Setto	1285	1284	1282	1283	4	160.0
1085	Setto	1287	1286	1284	1285	4	160.0
1086	Setto	1289	1288	1286	1287	4	160.0
1087	Setto	1291	1290	1288	1289	4	160.0
1088	Setto	1293	1292	1290	1291	4	160.0
1089	Setto	1295	1294	1292	1293	4	160.0
1090	Setto	2346	2343	1294	1295	4	160.0
1091	Setto	1297	1278	1279	1298	4	160.0
1092	Setto	1299	1281	1278	1297	4	160.0
1093	Setto	1300	1283	1281	1299	4	160.0
1094	Setto	1301	1285	1283	1300	4	160.0
1095	Setto	1302	1287	1285	1301	4	160.0
1096	Setto	1303	1289	1287	1302	4	160.0
1097	Setto	1304	1291	1289	1303	4	160.0
1098	Setto	1305	1293	1291	1304	4	160.0

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

1099	Setto	1306	1295	1293	1305	4	160.0
1100	Setto	2348	2346	1306		4	160.0
1101	Setto	1308	1297	1298	1272	4	160.0
1102	Setto	1309	1299	1297	1308	4	160.0
1103	Setto	1310	1300	1299	1309	4	160.0
1104	Setto	1311	1301	1300	1310	4	160.0
1105	Setto	1312	1302	1301	1311	4	160.0
1106	Setto	1313	1303	1302	1312	4	160.0
1107	Setto	1314	1304	1303	1313	4	160.0
1108	Setto	1315	1305	1304	1314	4	160.0
1109	Setto	1316	1306	1305	1315	4	160.0
1110	Setto	2355	2348	1306	1316	4	160.0
1111	Setto	1318	1317	1270	1319	4	160.0
1112	Setto	1321	1320	1317	1318	4	160.0
1113	Setto	1323	1322	1320	1321	4	160.0
1114	Setto	1325	1324	1322	1323	4	160.0
1115	Setto	1327	1326	1324	1325	4	160.0
1116	Setto	1329	1328	1326	1327	4	160.0
1117	Setto	1331	1330	1328	1329	4	160.0
1118	Setto	1333	1332	1330	1331	4	160.0
1119	Setto	1335	1334	1332	1333	4	160.0
1120	Setto	2364	2342	1334	1335	4	160.0
1121	Setto	1337	1318	1319	1338	4	160.0
1122	Setto	1339	1321	1318	1337	4	160.0
1123	Setto	1340	1323	1321	1339	4	160.0
1124	Setto	1341	1325	1323	1340	4	160.0
1125	Setto	1342	1327	1325	1341	4	160.0
1126	Setto	1343	1329	1327	1342	4	160.0
1127	Setto	1344	1331	1329	1343	4	160.0
1128	Setto	1345	1333	1331	1344	4	160.0
1129	Setto	1346	1335	1333	1345	4	160.0
1130	Setto	1377	2362	1366		4	160.0
1131	Setto	1277	1337	1338	1271	4	160.0
1132	Setto	1280	1339	1337	1277	4	160.0
1133	Setto	1282	1340	1339	1280	4	160.0
1134	Setto	1284	1341	1340	1282	4	160.0
1135	Setto	1286	1342	1341	1284	4	160.0
1136	Setto	1288	1343	1342	1286	4	160.0

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

1137	Setto	1290	1344	1343	1288	4	160.0
1138	Setto	1292	1345	1344	1290	4	160.0
1139	Setto	1294	1346	1345	1292	4	160.0
1140	Setto	2343	2345	1346	1294	4	160.0
1141	Setto	1349	1348	1269	1350	4	160.0
1142	Setto	1352	1351	1348	1349	4	160.0
1143	Setto	1354	1353	1351	1352	4	160.0
1144	Setto	1356	1355	1353	1354	4	160.0
1145	Setto	1358	1357	1355	1356	4	160.0
1146	Setto	1360	1359	1357	1358	4	160.0
1147	Setto	1362	1361	1359	1360	4	160.0
1148	Setto	1364	1363	1361	1362	4	160.0
1149	Setto	1366	1365	1363	1364	4	160.0
1150	Setto	2363	2361	1365	1366	4	160.0
1151	Setto	1368	1349	1350	1369	4	160.0
1152	Setto	1370	1352	1349	1368	4	160.0
1153	Setto	1371	1354	1352	1370	4	160.0
1154	Setto	1372	1356	1354	1371	4	160.0
1155	Setto	1373	1358	1356	1372	4	160.0
1156	Setto	1374	1360	1358	1373	4	160.0
1157	Setto	1375	1362	1360	1374	4	160.0
1158	Setto	1376	1364	1362	1375	4	160.0
1159	Setto	1377	1366	1364	1376	4	160.0
1160	Setto	2362	2363	1366		4	160.0
1161	Setto	1317	1368	1369	1270	4	160.0
1162	Setto	1320	1370	1368	1317	4	160.0
1163	Setto	1322	1371	1370	1320	4	160.0
1164	Setto	1324	1372	1371	1322	4	160.0
1165	Setto	1326	1373	1372	1324	4	160.0
1166	Setto	1328	1374	1373	1326	4	160.0
1167	Setto	1330	1375	1374	1328	4	160.0
1168	Setto	1332	1376	1375	1330	4	160.0
1169	Setto	1334	1377	1376	1332	4	160.0
1170	Setto	2342	2362	1377	1334	4	160.0
1171	Setto	1383	1308	1272	1384	4	160.0
1172	Setto	1385	1309	1308	1383	4	160.0
1173	Setto	1386	1310	1309	1385	4	160.0
1174	Setto	1387	1311	1310	1386	4	160.0

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

1175	Setto	1388	1312	1311	1387	4	160.0
1176	Setto	1389	1313	1312	1388	4	160.0
1177	Setto	1390	1314	1313	1389	4	160.0
1178	Setto	1391	1315	1314	1390	4	160.0
1179	Setto	1392	1316	1315	1391	4	160.0
1180	Setto	2354	2355	1316	1392	4	160.0
1181	Setto	1394	1383	1384	1395	4	160.0
1182	Setto	1396	1385	1383	1394	4	160.0
1183	Setto	1397	1386	1385	1396	4	160.0
1184	Setto	1398	1387	1386	1397	4	160.0
1185	Setto	1399	1388	1387	1398	4	160.0
1186	Setto	1400	1389	1388	1399	4	160.0
1187	Setto	1401	1390	1389	1400	4	160.0
1188	Setto	1402	1391	1390	1401	4	160.0
1189	Setto	1403	1392	1391	1402	4	160.0
1190	Setto	2353	2354	1392	1403	4	160.0
1191	Setto	1405	1394	1395	1380	4	160.0
1192	Setto	1406	1396	1394	1405	4	160.0
1193	Setto	1407	1397	1396	1406	4	160.0
1194	Setto	1408	1398	1397	1407	4	160.0
1195	Setto	1409	1399	1398	1408	4	160.0
1196	Setto	1410	1400	1399	1409	4	160.0
1197	Setto	1411	1401	1400	1410	4	160.0
1198	Setto	1412	1402	1401	1411	4	160.0
1199	Setto	1413	1403	1402	1412	4	160.0
1200	Setto	2352	2353	1403	1413	4	160.0
1201	Setto	1348	1414	1415	1269	4	160.0
1202	Setto	1351	1416	1414	1348	4	160.0
1203	Setto	1353	1417	1416	1351	4	160.0
1204	Setto	1355	1418	1417	1353	4	160.0
1205	Setto	1357	1419	1418	1355	4	160.0
1206	Setto	1359	1420	1419	1357	4	160.0
1207	Setto	1361	1421	1420	1359	4	160.0
1208	Setto	1363	1422	1421	1361	4	160.0
1209	Setto	1365	1423	1422	1363	4	160.0
1210	Setto	2361	2360	1423	1365	4	160.0
1211	Setto	1414	1425	1426	1415	4	160.0
1212	Setto	1416	1427	1425	1414	4	160.0

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

1213	Setto	1417	1428	1427	1416	4	160.0
1214	Setto	1418	1429	1428	1417	4	160.0
1215	Setto	1419	1430	1429	1418	4	160.0
1216	Setto	1420	1431	1430	1419	4	160.0
1217	Setto	1421	1432	1431	1420	4	160.0
1218	Setto	1422	1433	1432	1421	4	160.0
1219	Setto	1423	1434	1433	1422	4	160.0
1220	Setto	2360	2359	1434	1423	4	160.0
1221	Setto	1425	1436	1379	1426	4	160.0
1222	Setto	1427	1437	1436	1425	4	160.0
1223	Setto	1428	1438	1437	1427	4	160.0
1224	Setto	1429	1439	1438	1428	4	160.0
1225	Setto	1430	1440	1439	1429	4	160.0
1226	Setto	1431	1441	1440	1430	4	160.0
1227	Setto	1432	1442	1441	1431	4	160.0
1228	Setto	1433	1443	1442	1432	4	160.0
1229	Setto	1434	1444	1443	1433	4	160.0
1230	Setto	2359	2357	1444	1434	4	160.0
1231	Setto	1459	1458	1457	1460	4	180.0
1232	Setto	1462	1461	1458	1459	4	180.0
1233	Setto	1464	1463	1461	1462	4	180.0
1234	Setto	1466	1465	1463	1464	4	180.0
1235	Setto	1468	1467	1465	1466	4	180.0
1236	Setto	1470	1469	1467	1468	4	180.0
1237	Setto	1472	1471	1469	1470	4	180.0
1238	Setto	1474	1473	1471	1472	4	180.0
1239	Setto	1476	1475	1473	1474	4	180.0
1240	Setto	1477	1449	1475	1476	4	180.0
1241	Setto	1478	1459	1460	1479	4	180.0
1242	Setto	1480	1462	1459	1478	4	180.0
1243	Setto	1481	1464	1462	1480	4	180.0
1244	Setto	1482	1466	1464	1481	4	180.0
1245	Setto	1483	1468	1466	1482	4	180.0
1246	Setto	1484	1470	1468	1483	4	180.0
1247	Setto	1485	1472	1470	1484	4	180.0
1248	Setto	1486	1474	1472	1485	4	180.0
1249	Setto	1487	1476	1474	1486	4	180.0
1250	Setto	1488	1477	1476	1487	4	180.0

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

1251	Setto	1489	1478	1479	1453	4	180.0
1252	Setto	1490	1480	1478	1489	4	180.0
1253	Setto	1491	1481	1480	1490	4	180.0
1254	Setto	1492	1482	1481	1491	4	180.0
1255	Setto	1493	1483	1482	1492	4	180.0
1256	Setto	1494	1484	1483	1493	4	180.0
1257	Setto	1495	1485	1484	1494	4	180.0
1258	Setto	1496	1486	1485	1495	4	180.0
1259	Setto	1497	1487	1486	1496	4	180.0
1260	Setto	1446	1488	1487	1497	4	180.0
1261	Setto	1499	1498	1456	1500	4	180.0
1262	Setto	1502	1501	1498	1499	4	180.0
1263	Setto	1504	1503	1501	1502	4	180.0
1264	Setto	1506	1505	1503	1504	4	180.0
1265	Setto	1508	1507	1505	1506	4	180.0
1266	Setto	1510	1509	1507	1508	4	180.0
1267	Setto	1512	1511	1509	1510	4	180.0
1268	Setto	1514	1513	1511	1512	4	180.0
1269	Setto	1516	1515	1513	1514	4	180.0
1270	Setto	1722	2322	1765		4	180.0
1271	Setto	1518	1499	1500	1519	4	180.0
1272	Setto	1520	1502	1499	1518	4	180.0
1273	Setto	1521	1504	1502	1520	4	180.0
1274	Setto	1522	1506	1504	1521	4	180.0
1275	Setto	1523	1508	1506	1522	4	180.0
1276	Setto	1524	1510	1508	1523	4	180.0
1277	Setto	1525	1512	1510	1524	4	180.0
1278	Setto	1526	1514	1512	1525	4	180.0
1279	Setto	1527	1516	1514	1526	4	180.0
1280	Setto	1528	1517	1516	1527	4	180.0
1281	Setto	1458	1518	1519	1457	4	180.0
1282	Setto	1461	1520	1518	1458	4	180.0
1283	Setto	1463	1521	1520	1461	4	180.0
1284	Setto	1465	1522	1521	1463	4	180.0
1285	Setto	1467	1523	1522	1465	4	180.0
1286	Setto	1469	1524	1523	1467	4	180.0
1287	Setto	1471	1525	1524	1469	4	180.0
1288	Setto	1473	1526	1525	1471	4	180.0

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

1289	Setto	1475	1527	1526	1473	4	180.0
1290	Setto	1449	1528	1527	1475	4	180.0
1291	Setto	1530	1529	1455	1531	4	180.0
1292	Setto	1533	1532	1529	1530	4	180.0
1293	Setto	1535	1534	1532	1533	4	180.0
1294	Setto	1537	1536	1534	1535	4	180.0
1295	Setto	1539	1538	1536	1537	4	180.0
1296	Setto	1541	1540	1538	1539	4	180.0
1297	Setto	1543	1542	1540	1541	4	180.0
1298	Setto	1545	1544	1542	1543	4	180.0
1299	Setto	1547	1546	1544	1545	4	180.0
1300	Setto	1548	2497	1547		4	180.0
1301	Setto	1549	1530	1531	1550	4	180.0
1302	Setto	1551	1533	1530	1549	4	180.0
1303	Setto	1552	1535	1533	1551	4	180.0
1304	Setto	1553	1537	1535	1552	4	180.0
1305	Setto	1554	1539	1537	1553	4	180.0
1306	Setto	1555	1541	1539	1554	4	180.0
1307	Setto	1556	1543	1541	1555	4	180.0
1308	Setto	1557	1545	1543	1556	4	180.0
1309	Setto	1558	1547	1545	1557	4	180.0
1310	Setto	1559	1548	1547	1558	4	180.0
1311	Setto	1498	1549	1550	1456	4	180.0
1312	Setto	1501	1551	1549	1498	4	180.0
1313	Setto	1503	1552	1551	1501	4	180.0
1314	Setto	1505	1553	1552	1503	4	180.0
1315	Setto	1507	1554	1553	1505	4	180.0
1316	Setto	1509	1555	1554	1507	4	180.0
1317	Setto	1511	1556	1555	1509	4	180.0
1318	Setto	1513	1557	1556	1511	4	180.0
1319	Setto	1515	1558	1557	1513	4	180.0
1320	Setto	1451	2430	1515		4	180.0
1321	Setto	1561	1560	1454	1562	4	180.0
1322	Setto	1564	1563	1560	1561	4	180.0
1323	Setto	1566	1565	1563	1564	4	180.0
1324	Setto	1568	1567	1565	1566	4	180.0
1325	Setto	1570	1569	1567	1568	4	180.0
1326	Setto	1572	1571	1569	1570	4	180.0

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

1327	Setto	1574	1573	1571	1572	4	180.0
1328	Setto	1576	1575	1573	1574	4	180.0
1329	Setto	1578	1577	1575	1576	4	180.0
1330	Setto	1579	1448	1577	1578	4	180.0
1331	Setto	1580	1561	1562	1581	4	180.0
1332	Setto	1582	1564	1561	1580	4	180.0
1333	Setto	1583	1566	1564	1582	4	180.0
1334	Setto	1584	1568	1566	1583	4	180.0
1335	Setto	1585	1570	1568	1584	4	180.0
1336	Setto	1586	1572	1570	1585	4	180.0
1337	Setto	1587	1574	1572	1586	4	180.0
1338	Setto	1588	1576	1574	1587	4	180.0
1339	Setto	1589	1578	1576	1588	4	180.0
1340	Setto	1590	1579	1578	1589	4	180.0
1341	Setto	1529	1580	1581	1455	4	180.0
1342	Setto	1532	1582	1580	1529	4	180.0
1343	Setto	1534	1583	1582	1532	4	180.0
1344	Setto	1536	1584	1583	1534	4	180.0
1345	Setto	1538	1585	1584	1536	4	180.0
1346	Setto	1540	1586	1585	1538	4	180.0
1347	Setto	1542	1587	1586	1540	4	180.0
1348	Setto	1544	1588	1587	1542	4	180.0
1349	Setto	1546	1589	1588	1544	4	180.0
1350	Setto	2322	1766	1765		4	180.0
1351	Setto	1592	1591	1445	1593	4	180.0
1352	Setto	1595	1594	1591	1592	4	180.0
1353	Setto	1597	1596	1594	1595	4	180.0
1354	Setto	1599	1598	1596	1597	4	180.0
1355	Setto	1601	1600	1598	1599	4	180.0
1356	Setto	1603	1602	1600	1601	4	180.0
1357	Setto	1605	1604	1602	1603	4	180.0
1358	Setto	1607	1606	1604	1605	4	180.0
1359	Setto	1609	1608	1606	1607	4	180.0
1360	Setto	1610	1447	1608	1609	4	180.0
1361	Setto	1611	1592	1593	1612	4	180.0
1362	Setto	1613	1595	1592	1611	4	180.0
1363	Setto	1614	1597	1595	1613	4	180.0
1364	Setto	1615	1599	1597	1614	4	180.0

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

1365	Setto	1616	1601	1599	1615	4	180.0
1366	Setto	1617	1603	1601	1616	4	180.0
1367	Setto	1618	1605	1603	1617	4	180.0
1368	Setto	1619	1607	1605	1618	4	180.0
1369	Setto	1620	1609	1607	1619	4	180.0
1370	Setto	1621	1610	1609	1620	4	180.0
1371	Setto	1560	1611	1612	1454	4	180.0
1372	Setto	1563	1613	1611	1560	4	180.0
1373	Setto	1565	1614	1613	1563	4	180.0
1374	Setto	1567	1615	1614	1565	4	180.0
1375	Setto	1569	1616	1615	1567	4	180.0
1376	Setto	1571	1617	1616	1569	4	180.0
1377	Setto	1573	1618	1617	1571	4	180.0
1378	Setto	1575	1619	1618	1573	4	180.0
1379	Setto	1577	1620	1619	1575	4	180.0
1380	Setto	1448	1621	1620	1577	4	180.0
1381	Setto	1635	1634	1627	1636	4	180.0
1382	Setto	1638	1637	1634	1635	4	180.0
1383	Setto	1640	1639	1637	1638	4	180.0
1384	Setto	1642	1641	1639	1640	4	180.0
1385	Setto	1644	1643	1641	1642	4	180.0
1386	Setto	1646	1645	1643	1644	4	180.0
1387	Setto	1648	1647	1645	1646	4	180.0
1388	Setto	1650	1649	1647	1648	4	180.0
1389	Setto	1652	1651	1649	1650	4	180.0
1390	Setto	1653	1633	1651	1652	4	180.0
1391	Setto	1654	1635	1636	1655	4	180.0
1392	Setto	1656	1638	1635	1654	4	180.0
1393	Setto	1657	1640	1638	1656	4	180.0
1394	Setto	1658	1642	1640	1657	4	180.0
1395	Setto	1659	1644	1642	1658	4	180.0
1396	Setto	1660	1646	1644	1659	4	180.0
1397	Setto	1661	1648	1646	1660	4	180.0
1398	Setto	1662	1650	1648	1661	4	180.0
1399	Setto	1663	1652	1650	1662	4	180.0
1400	Setto	1664	1653	1652	1663	4	180.0
1401	Setto	1665	1654	1655	1626	4	180.0
1402	Setto	1666	1656	1654	1665	4	180.0

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

1403	Setto	1667	1657	1656	1666	4	180.0
1404	Setto	1668	1658	1657	1667	4	180.0
1405	Setto	1669	1659	1658	1668	4	180.0
1406	Setto	1670	1660	1659	1669	4	180.0
1407	Setto	1671	1661	1660	1670	4	180.0
1408	Setto	1672	1662	1661	1671	4	180.0
1409	Setto	1673	1663	1662	1672	4	180.0
1410	Setto	1632	1664	1663	1673	4	180.0
1411	Setto	1675	1674	1622	1676	4	180.0
1412	Setto	1678	1677	1674	1675	4	180.0
1413	Setto	1680	1679	1677	1678	4	180.0
1414	Setto	1682	1681	1679	1680	4	180.0
1415	Setto	1684	1683	1681	1682	4	180.0
1416	Setto	1686	1685	1683	1684	4	180.0
1417	Setto	1688	1687	1685	1686	4	180.0
1418	Setto	1690	1689	1687	1688	4	180.0
1419	Setto	1692	1691	1689	1690	4	180.0
1420	Guscio	2236	2303	2302	2083	4	150.0
1421	Setto	1694	1675	1676	1695	4	180.0
1422	Setto	1696	1678	1675	1694	4	180.0
1423	Setto	1697	1680	1678	1696	4	180.0
1424	Setto	1698	1682	1680	1697	4	180.0
1425	Setto	1699	1684	1682	1698	4	180.0
1426	Setto	1700	1686	1684	1699	4	180.0
1427	Setto	1701	1688	1686	1700	4	180.0
1428	Setto	1702	1690	1688	1701	4	180.0
1429	Setto	1703	1692	1690	1702	4	180.0
1430	Setto	1704	1693	1692	1703	4	180.0
1431	Setto	1634	1694	1695	1627	4	180.0
1432	Setto	1637	1696	1694	1634	4	180.0
1433	Setto	1639	1697	1696	1637	4	180.0
1434	Setto	1641	1698	1697	1639	4	180.0
1435	Setto	1643	1699	1698	1641	4	180.0
1436	Setto	1645	1700	1699	1643	4	180.0
1437	Setto	1647	1701	1700	1645	4	180.0
1438	Setto	1649	1702	1701	1647	4	180.0
1439	Setto	1651	1703	1702	1649	4	180.0
1440	Setto	1633	1704	1703	1651	4	180.0

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

1441	Setto	1706	1705	1623	1707	4	180.0
1442	Setto	1709	1708	1705	1706	4	180.0
1443	Setto	1711	1710	1708	1709	4	180.0
1444	Setto	1713	1712	1710	1711	4	180.0
1445	Setto	1715	1714	1712	1713	4	180.0
1446	Setto	1717	1716	1714	1715	4	180.0
1447	Setto	1719	1718	1716	1717	4	180.0
1448	Setto	1721	1720	1718	1719	4	180.0
1449	Setto	1723	1722	1720	1721	4	180.0
1450	Setto	1724	2385	1723		4	180.0
1451	Setto	1725	1706	1707	1726	4	180.0
1452	Setto	1727	1709	1706	1725	4	180.0
1453	Setto	1728	1711	1709	1727	4	180.0
1454	Setto	1729	1713	1711	1728	4	180.0
1455	Setto	1730	1715	1713	1729	4	180.0
1456	Setto	1731	1717	1715	1730	4	180.0
1457	Setto	1732	1719	1717	1731	4	180.0
1458	Setto	1733	1721	1719	1732	4	180.0
1459	Setto	1734	1723	1721	1733	4	180.0
1460	Setto	1735	1724	1723	1734	4	180.0
1461	Setto	1674	1725	1726	1622	4	180.0
1462	Setto	1677	1727	1725	1674	4	180.0
1463	Setto	1679	1728	1727	1677	4	180.0
1464	Setto	1681	1729	1728	1679	4	180.0
1465	Setto	1683	1730	1729	1681	4	180.0
1466	Setto	1685	1731	1730	1683	4	180.0
1467	Setto	1687	1732	1731	1685	4	180.0
1468	Setto	1689	1733	1732	1687	4	180.0
1469	Setto	1691	1734	1733	1689	4	180.0
1470	Setto	1628	2380	1691		4	180.0
1471	Setto	1737	1736	1624	1738	4	180.0
1472	Setto	1740	1739	1736	1737	4	180.0
1473	Setto	1742	1741	1739	1740	4	180.0
1474	Setto	1744	1743	1741	1742	4	180.0
1475	Setto	1746	1745	1743	1744	4	180.0
1476	Setto	1748	1747	1745	1746	4	180.0
1477	Setto	1750	1749	1747	1748	4	180.0
1478	Setto	1752	1751	1749	1750	4	180.0

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

1479	Setto	1754	1753	1751	1752	4	180.0
1480	Setto	1755	1630	1753	1754	4	180.0
1481	Setto	1756	1737	1738	1757	4	180.0
1482	Setto	1758	1740	1737	1756	4	180.0
1483	Setto	1759	1742	1740	1758	4	180.0
1484	Setto	1760	1744	1742	1759	4	180.0
1485	Setto	1761	1746	1744	1760	4	180.0
1486	Setto	1762	1748	1746	1761	4	180.0
1487	Setto	1763	1750	1748	1762	4	180.0
1488	Setto	1764	1752	1750	1763	4	180.0
1489	Setto	1765	1754	1752	1764	4	180.0
1490	Setto	1766	1755	1754	1765	4	180.0
1491	Setto	1705	1756	1757	1623	4	180.0
1492	Setto	1708	1758	1756	1705	4	180.0
1493	Setto	1710	1759	1758	1708	4	180.0
1494	Setto	1712	1760	1759	1710	4	180.0
1495	Setto	1714	1761	1760	1712	4	180.0
1496	Setto	1716	1762	1761	1714	4	180.0
1497	Setto	1718	1763	1762	1716	4	180.0
1498	Setto	1720	1764	1763	1718	4	180.0
1499	Setto	1722	1765	1764	1720	4	180.0
1500	Guscio	2258	2304	2303	2236	4	150.0
1501	Setto	1768	1767	1625	1769	4	180.0
1502	Setto	1771	1770	1767	1768	4	180.0
1503	Setto	1773	1772	1770	1771	4	180.0
1504	Setto	1775	1774	1772	1773	4	180.0
1505	Setto	1777	1776	1774	1775	4	180.0
1506	Setto	1779	1778	1776	1777	4	180.0
1507	Setto	1781	1780	1778	1779	4	180.0
1508	Setto	1783	1782	1780	1781	4	180.0
1509	Setto	1785	1784	1782	1783	4	180.0
1510	Setto	1786	2232	1784	1785	4	180.0
1511	Setto	1787	1768	1769	1788	4	180.0
1512	Setto	1789	1771	1768	1787	4	180.0
1513	Setto	1790	1773	1771	1789	4	180.0
1514	Setto	1791	1775	1773	1790	4	180.0
1515	Setto	1792	1777	1775	1791	4	180.0
1516	Setto	1793	1779	1777	1792	4	180.0

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

1517	Setto	1794	1781	1779	1793	4	180.0
1518	Setto	1795	1783	1781	1794	4	180.0
1519	Setto	1796	1785	1783	1795	4	180.0
1520	Setto	1797	1786	1785	1796	4	180.0
1521	Setto	1736	1787	1788	1624	4	180.0
1522	Setto	1739	1789	1787	1736	4	180.0
1523	Setto	1741	1790	1789	1739	4	180.0
1524	Setto	1743	1791	1790	1741	4	180.0
1525	Setto	1745	1792	1791	1743	4	180.0
1526	Setto	1747	1793	1792	1745	4	180.0
1527	Setto	1749	1794	1793	1747	4	180.0
1528	Setto	1751	1795	1794	1749	4	180.0
1529	Setto	1753	1796	1795	1751	4	180.0
1530	Setto	1630	1797	1796	1753	4	180.0
1531	Setto	1807	1806	1252	1808	4	160.0
1532	Setto	1810	1809	1806	1807	4	160.0
1533	Setto	1812	1811	1809	1810	4	160.0
1534	Setto	1814	1813	1811	1812	4	160.0
1535	Setto	1816	1815	1813	1814	4	160.0
1536	Setto	1818	1817	1815	1816	4	160.0
1537	Setto	1820	1819	1817	1818	4	160.0
1538	Setto	1822	1821	1819	1820	4	160.0
1539	Setto	1824	1823	1821	1822	4	160.0
1540	Setto	1825	1805	1823	1824	4	160.0
1541	Setto	1826	1807	1808	1827	4	160.0
1542	Setto	1828	1810	1807	1826	4	160.0
1543	Setto	1829	1812	1810	1828	4	160.0
1544	Setto	1830	1814	1812	1829	4	160.0
1545	Setto	1831	1816	1814	1830	4	160.0
1546	Setto	1832	1818	1816	1831	4	160.0
1547	Setto	1833	1820	1818	1832	4	160.0
1548	Setto	1834	1822	1820	1833	4	160.0
1549	Setto	1835	1824	1822	1834	4	160.0
1550	Setto	1836	1825	1824	1835	4	160.0
1551	Setto	1837	1826	1827	1799	4	160.0
1552	Setto	1838	1828	1826	1837	4	160.0
1553	Setto	1839	1829	1828	1838	4	160.0
1554	Setto	1840	1830	1829	1839	4	160.0

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

1555	Setto	1841	1831	1830	1840	4	160.0
1556	Setto	1842	1832	1831	1841	4	160.0
1557	Setto	1843	1833	1832	1842	4	160.0
1558	Setto	1844	1834	1833	1843	4	160.0
1559	Setto	1845	1835	1834	1844	4	160.0
1560	Setto	1801	1836	1835	1845	4	160.0
1561	Setto	1847	1846	1251	1848	4	160.0
1562	Setto	1850	1849	1846	1847	4	160.0
1563	Setto	1852	1851	1849	1850	4	160.0
1564	Setto	1854	1853	1851	1852	4	160.0
1565	Setto	1856	1855	1853	1854	4	160.0
1566	Setto	1858	1857	1855	1856	4	160.0
1567	Setto	1860	1859	1857	1858	4	160.0
1568	Setto	1862	1861	1859	1860	4	160.0
1569	Setto	1864	1863	1861	1862	4	160.0
1570	Setto	1865	1804	1863	1864	4	160.0
1571	Setto	1866	1847	1848	1867	4	160.0
1572	Setto	1868	1850	1847	1866	4	160.0
1573	Setto	1869	1852	1850	1868	4	160.0
1574	Setto	1870	1854	1852	1869	4	160.0
1575	Setto	1871	1856	1854	1870	4	160.0
1576	Setto	1872	1858	1856	1871	4	160.0
1577	Setto	1873	1860	1858	1872	4	160.0
1578	Setto	1874	1862	1860	1873	4	160.0
1579	Setto	1875	1864	1862	1874	4	160.0
1580	Setto	1876	1865	1864	1875	4	160.0
1581	Setto	1806	1866	1867	1252	4	160.0
1582	Setto	1809	1868	1866	1806	4	160.0
1583	Setto	1811	1869	1868	1809	4	160.0
1584	Setto	1813	1870	1869	1811	4	160.0
1585	Setto	1815	1871	1870	1813	4	160.0
1586	Setto	1817	1872	1871	1815	4	160.0
1587	Setto	1819	1873	1872	1817	4	160.0
1588	Setto	1821	1874	1873	1819	4	160.0
1589	Setto	1823	1875	1874	1821	4	160.0
1590	Setto	1805	1876	1875	1823	4	160.0
1591	Setto	1878	1877	1250	1879	4	160.0
1592	Setto	1881	1880	1877	1878	4	160.0

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

1593	Setto	1883	1882	1880	1881	4	160.0
1594	Setto	1885	1884	1882	1883	4	160.0
1595	Setto	1887	1886	1884	1885	4	160.0
1596	Setto	1889	1888	1886	1887	4	160.0
1597	Setto	1891	1890	1888	1889	4	160.0
1598	Setto	1893	1892	1890	1891	4	160.0
1599	Setto	1895	1894	1892	1893	4	160.0
1600	Setto	1896	1803	1894	1895	4	160.0
1601	Setto	1897	1878	1879	1898	4	160.0
1602	Setto	1899	1881	1878	1897	4	160.0
1603	Setto	1900	1883	1881	1899	4	160.0
1604	Setto	1901	1885	1883	1900	4	160.0
1605	Setto	1902	1887	1885	1901	4	160.0
1606	Setto	1903	1889	1887	1902	4	160.0
1607	Setto	1904	1891	1889	1903	4	160.0
1608	Setto	1905	1893	1891	1904	4	160.0
1609	Setto	1906	1895	1893	1905	4	160.0
1610	Setto	1907	1896	1895	1906	4	160.0
1611	Setto	1846	1897	1898	1251	4	160.0
1612	Setto	1849	1899	1897	1846	4	160.0
1613	Setto	1851	1900	1899	1849	4	160.0
1614	Setto	1853	1901	1900	1851	4	160.0
1615	Setto	1855	1902	1901	1853	4	160.0
1616	Setto	1857	1903	1902	1855	4	160.0
1617	Setto	1859	1904	1903	1857	4	160.0
1618	Setto	1861	1905	1904	1859	4	160.0
1619	Setto	1863	1906	1905	1861	4	160.0
1620	Setto	1804	1907	1906	1863	4	160.0
1621	Setto	1909	1908	1249	1910	4	160.0
1622	Setto	1912	1911	1908	1909	4	160.0
1623	Setto	1914	1913	1911	1912	4	160.0
1624	Setto	1916	1915	1913	1914	4	160.0
1625	Setto	1918	1917	1915	1916	4	160.0
1626	Setto	1920	1919	1917	1918	4	160.0
1627	Setto	1922	1921	1919	1920	4	160.0
1628	Setto	1924	1923	1921	1922	4	160.0
1629	Setto	1926	1925	1923	1924	4	160.0
1630	Setto	1927	1802	1925	1926	4	160.0

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

1631	Setto	1928	1909	1910	1929	4	160.0
1632	Setto	1930	1912	1909	1928	4	160.0
1633	Setto	1931	1914	1912	1930	4	160.0
1634	Setto	1932	1916	1914	1931	4	160.0
1635	Setto	1933	1918	1916	1932	4	160.0
1636	Setto	1934	1920	1918	1933	4	160.0
1637	Setto	1935	1922	1920	1934	4	160.0
1638	Setto	1936	1924	1922	1935	4	160.0
1639	Setto	1937	1926	1924	1936	4	160.0
1640	Setto	1938	1927	1926	1937	4	160.0
1641	Setto	1877	1928	1929	1250	4	160.0
1642	Setto	1880	1930	1928	1877	4	160.0
1643	Setto	1882	1931	1930	1880	4	160.0
1644	Setto	1884	1932	1931	1882	4	160.0
1645	Setto	1886	1933	1932	1884	4	160.0
1646	Setto	1888	1934	1933	1886	4	160.0
1647	Setto	1890	1935	1934	1888	4	160.0
1648	Setto	1892	1936	1935	1890	4	160.0
1649	Setto	1894	1937	1936	1892	4	160.0
1650	Setto	1803	1938	1937	1894	4	160.0
1651	Setto	1940	1939	1798	1941	4	160.0
1652	Setto	1943	1942	1939	1940	4	160.0
1653	Setto	1945	1944	1942	1943	4	160.0
1654	Setto	1947	1946	1944	1945	4	160.0
1655	Setto	1949	1948	1946	1947	4	160.0
1656	Setto	1951	1950	1948	1949	4	160.0
1657	Setto	1953	1952	1950	1951	4	160.0
1658	Setto	1955	1954	1952	1953	4	160.0
1659	Setto	1957	1956	1954	1955	4	160.0
1660	Setto	1958	1800	1956	1957	4	160.0
1661	Setto	1959	1940	1941	1960	4	160.0
1662	Setto	1961	1943	1940	1959	4	160.0
1663	Setto	1962	1945	1943	1961	4	160.0
1664	Setto	1963	1947	1945	1962	4	160.0
1665	Setto	1964	1949	1947	1963	4	160.0
1666	Setto	1965	1951	1949	1964	4	160.0
1667	Setto	1966	1953	1951	1965	4	160.0
1668	Setto	1967	1955	1953	1966	4	160.0

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

1669	Setto	1968	1957	1955	1967	4	160.0
1670	Setto	1969	1958	1957	1968	4	160.0
1671	Setto	1908	1959	1960	1249	4	160.0
1672	Setto	1911	1961	1959	1908	4	160.0
1673	Setto	1913	1962	1961	1911	4	160.0
1674	Setto	1915	1963	1962	1913	4	160.0
1675	Setto	1917	1964	1963	1915	4	160.0
1676	Setto	1919	1965	1964	1917	4	160.0
1677	Setto	1921	1966	1965	1919	4	160.0
1678	Setto	1923	1967	1966	1921	4	160.0
1679	Setto	1925	1968	1967	1923	4	160.0
1680	Setto	1802	1969	1968	1925	4	160.0
1681	Guscio	1987	1994	1255	1979	4	100.0
1682	Guscio	1986	1995	1994	1987	4	100.0
1683	Guscio	1978	1256	1995	1986	4	100.0
1684	Guscio	1989	1996	1254	1980	4	100.0
1685	Guscio	1988	1997	1996	1989	4	100.0
1686	Guscio	1979	1255	1997	1988	4	100.0
1687	Guscio	1991	1998	1253	1981	4	100.0
1688	Guscio	1990	1999	1998	1991	4	100.0
1689	Guscio	1980	1254	1999	1990	4	100.0
1690	Guscio	2002	2001	1256	1978	4	100.0
1691	Guscio	2001	1636	1627	1256	4	100.0
1692	Guscio	2004	2003	2001	2002	4	100.0
1693	Guscio	2003	1655	1636	2001	4	100.0
1694	Guscio	1970	2005	2003	2004	4	100.0
1695	Guscio	2005	1626	1655	2003	4	100.0
1696	Guscio	1993	2007	2006	1972	4	100.0
1697	Guscio	2007	1769	1625	2006	4	100.0
1698	Guscio	1992	2008	2007	1993	4	100.0
1699	Guscio	2008	1788	1769	2007	4	100.0
1700	Guscio	1981	1253	2008	1992	4	100.0
1701	Guscio	1253	1624	1788	2008	4	100.0
1702	Guscio	1994	1676	1622	1255	4	100.0
1703	Guscio	1995	1695	1676	1994	4	100.0
1704	Guscio	1256	1627	1695	1995	4	100.0
1705	Guscio	1996	1707	1623	1254	4	100.0
1706	Guscio	1997	1726	1707	1996	4	100.0

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

1707	Guscio	1255	1622	1726	1997	4	100.0
1708	Guscio	1998	1738	1624	1253	4	100.0
1709	Guscio	1999	1757	1738	1998	4	100.0
1710	Guscio	1254	1623	1757	1999	4	100.0
1711	Guscio	1636	2011	1257	1627	4	100.0
1712	Guscio	2011	2012	1985	1257	4	100.0
1713	Guscio	1655	2013	2011	1636	4	100.0
1714	Guscio	2013	2014	2012	2011	4	100.0
1715	Guscio	1626	2015	2013	1655	4	100.0
1716	Guscio	2015	1971	2014	2013	4	100.0
1717	Guscio	1676	2016	1258	1622	4	100.0
1718	Guscio	1695	2017	2016	1676	4	100.0
1719	Guscio	1627	1257	2017	1695	4	100.0
1720	Guscio	1707	2018	1259	1623	4	100.0
1721	Guscio	1726	2019	2018	1707	4	100.0
1722	Guscio	1622	1258	2019	1726	4	100.0
1723	Guscio	1738	2020	1260	1624	4	100.0
1724	Guscio	1757	2021	2020	1738	4	100.0
1725	Guscio	1623	1259	2021	1757	4	100.0
1726	Guscio	2016	2022	1984	1258	4	100.0
1727	Guscio	2017	2023	2022	2016	4	100.0
1728	Guscio	1257	1985	2023	2017	4	100.0
1729	Guscio	2018	2024	1983	1259	4	100.0
1730	Guscio	2019	2025	2024	2018	4	100.0
1731	Guscio	1258	1984	2025	2019	4	100.0
1732	Guscio	2020	2026	1982	1260	4	100.0
1733	Guscio	2021	2027	2026	2020	4	100.0
1734	Guscio	1259	1983	2027	2021	4	100.0
1735	Guscio	1769	1452	2028	1625	4	100.0
1736	Guscio	1452	2000	1973	2028	4	100.0
1737	Guscio	1788	2009	1452	1769	4	100.0
1738	Guscio	2009	2010	2000	1452	4	100.0
1739	Guscio	1624	1260	2009	1788	4	100.0
1740	Guscio	1260	1982	2010	2009	4	100.0
1741	Guscio	2039	2038	1261	2029	4	100.0
1742	Guscio	2038	1460	1457	1261	4	100.0
1743	Guscio	2041	2040	2038	2039	4	100.0
1744	Guscio	2040	1479	1460	2038	4	100.0

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

1745	Guscio	1976	2042	2040	2041	4	100.0
1746	Guscio	2042	1453	1479	2040	4	100.0
1747	Guscio	1460	2044	1268	1457	4	100.0
1748	Guscio	2044	2045	2036	1268	4	100.0
1749	Guscio	1479	2046	2044	1460	4	100.0
1750	Guscio	2046	2047	2045	2044	4	100.0
1751	Guscio	1453	2048	2046	1479	4	100.0
1752	Guscio	2048	1977	2047	2046	4	100.0
1753	Guscio	2051	2050	1262	2030	4	100.0
1754	Guscio	2050	1500	1456	1262	4	100.0
1755	Guscio	2053	2052	2050	2051	4	100.0
1756	Guscio	2052	1519	1500	2050	4	100.0
1757	Guscio	2029	1261	2052	2053	4	100.0
1758	Guscio	1261	1457	1519	2052	4	100.0
1759	Guscio	2057	2056	1263	2031	4	100.0
1760	Guscio	2056	1531	1455	1263	4	100.0
1761	Guscio	2059	2058	2056	2057	4	100.0
1762	Guscio	2058	1550	1531	2056	4	100.0
1763	Guscio	2030	1262	2058	2059	4	100.0
1764	Guscio	1262	1456	1550	2058	4	100.0
1765	Guscio	2062	2061	1264	2032	4	100.0
1766	Guscio	2061	1562	1454	1264	4	100.0
1767	Guscio	2064	2063	2061	2062	4	100.0
1768	Guscio	2063	1581	1562	2061	4	100.0
1769	Guscio	2031	1263	2063	2064	4	100.0
1770	Guscio	1263	1455	1581	2063	4	100.0
1771	Guscio	2067	2066	2065	1974	4	100.0
1772	Guscio	2066	1593	1445	2065	4	100.0
1773	Guscio	2069	2068	2066	2067	4	100.0
1774	Guscio	2068	1612	1593	2066	4	100.0
1775	Guscio	2032	1264	2068	2069	4	100.0
1776	Guscio	1264	1454	1612	2068	4	100.0
1777	Guscio	1593	2071	2070	1445	4	100.0
1778	Guscio	2071	2072	1975	2070	4	100.0
1779	Guscio	1612	2073	2071	1593	4	100.0
1780	Guscio	2073	2074	2072	2071	4	100.0
1781	Guscio	1454	1265	2073	1612	4	100.0
1782	Guscio	1265	2033	2074	2073	4	100.0

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

1783	Guscio	1562	2076	1265	1454	4	100.0
1784	Guscio	2076	2077	2033	1265	4	100.0
1785	Guscio	1581	2078	2076	1562	4	100.0
1786	Guscio	2078	2079	2077	2076	4	100.0
1787	Guscio	1455	1266	2078	1581	4	100.0
1788	Guscio	1266	2034	2079	2078	4	100.0
1789	Guscio	1531	2037	1266	1455	4	100.0
1790	Guscio	2037	2043	2034	1266	4	100.0
1791	Guscio	1550	2049	2037	1531	4	100.0
1792	Guscio	2049	2054	2043	2037	4	100.0
1793	Guscio	1456	1267	2049	1550	4	100.0
1794	Guscio	1267	2035	2054	2049	4	100.0
1795	Guscio	1500	2060	1267	1456	4	100.0
1796	Guscio	2060	2075	2035	1267	4	100.0
1797	Guscio	1519	2080	2060	1500	4	100.0
1798	Guscio	2080	2055	2075	2060	4	100.0
1799	Guscio	1457	1268	2080	1519	4	100.0
1800	Guscio	1268	2036	2055	2080	4	100.0
1801	Guscio	2261	2232	2305	2262	4	150.0
1802	Guscio	2263	1786	2232	2261	4	150.0
1803	Guscio	2264	1797	1786	2263	4	150.0
1804	Guscio	2265	1630	1797	2264	4	150.0
1805	Guscio	2266	1755	1630	2265	4	150.0
1806	Guscio	2267	1766	1755	2266	4	150.0
1807	Guscio	2268	2322	1766	2267	4	150.0
1808	Guscio	2269	1629	2322	2268	4	150.0
1809	Guscio	2383	2385	1629	2269	4	150.0
1810	Guscio	2271	1735	1724	2270	4	150.0
1811	Guscio	2272	1693	2327	2273	4	150.0
1812	Guscio	2273	2327	1628	2277	4	150.0
1813	Guscio	2378	2380	1735	2271	4	150.0
1814	Guscio	2280	1704	1693	2272	4	150.0
1815	Guscio	2299	1633	1704	2280	4	150.0
1816	Guscio	2301	1653	1633	2299	4	150.0
1817	Guscio	2302	1664	1653	2301	4	150.0
1818	Guscio	2303	1632	1664	2302	4	150.0
1819	Guscio	2304	2306	1632	2303	4	150.0
1820	Guscio	2232	2307	2308	2305	4	150.0

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

1821	Guscio	1786	2309	2307	2232	4	150.0
1822	Guscio	1797	2310	2309	1786	4	150.0
1823	Guscio	1630	2311	2310	1797	4	150.0
1824	Guscio	1755	2312	2311	1630	4	150.0
1825	Guscio	1766	2313	2312	1755	4	150.0
1826	Guscio	2322	2314	2313	1766	4	150.0
1827	Guscio	1629	2315	2314	2322	4	150.0
1828	Guscio	2385	2382	2315	1629	4	150.0
1829	Guscio	2164	2220	2218	2162	4	150.0
1830	Guscio	2165	2221	2220	2164	4	150.0
1831	Guscio	2166	2222	2223	2167	4	150.0
1832	Guscio	2167	2223	2224	2168	4	150.0
1833	Guscio	2168	2224	2225	2169	4	150.0
1834	Guscio	2169	2225	2226	2170	4	150.0
1835	Guscio	2170	2226	2221	2165	4	150.0
1836	Guscio	2163	2219	2216	2160	4	150.0
1837	Guscio	2189	2392	2095	2190	4	150.0
1838	Guscio	2191	2394	2392	2189	4	150.0
1839	Guscio	2192	2396	2394	2191	4	150.0
1840	Guscio	2193	2400	2396	2192	4	150.0
1841	Guscio	2194	1275	2414	2195	4	150.0
1842	Guscio	2195	2414	2400	2193	4	150.0
1843	Guscio	2196	2103	1273	2197	4	150.0
1844	Guscio	2197	1273	1275	2194	4	150.0
1845	Guscio	2198	1336	1296	2199	4	150.0
1846	Guscio	2200	1367	1336	2198	4	150.0
1847	Guscio	1938	2194	2195	1927	4	150.0
1848	Guscio	2202	2096	1381	2203	4	150.0
1849	Guscio	2203	1381	1393	2204	4	150.0
1850	Guscio	2204	1393	1424	2205	4	150.0
1851	Guscio	2205	1424	2089	2206	4	150.0
1852	Guscio	2206	2089	2091	2201	4	150.0
1853	Guscio	2199	1296	2103	2196	4	150.0
1854	Guscio	2393	2153	2154	2094	4	150.0
1855	Guscio	2395	2155	2153	2393	4	150.0
1856	Guscio	2397	2156	2155	2395	4	150.0
1857	Guscio	2401	2157	2156	2397	4	150.0
1858	Guscio	1276	2158	2159	2399	4	150.0

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

1859	Guscio	2399	2159	2157	2401	4	150.0
1860	Guscio	2104	2160	2161	1274	4	150.0
1861	Guscio	1274	2161	2158	1276	4	150.0
1862	Guscio	1347	2162	2163	1307	4	150.0
1863	Guscio	1378	2164	2162	1347	4	150.0
1864	Guscio	2092	2165	2164	1378	4	150.0
1865	Guscio	2093	2166	2167	1382	4	150.0
1866	Guscio	1382	2167	2168	1404	4	150.0
1867	Guscio	1404	2168	2169	1435	4	150.0
1868	Guscio	1435	2169	2170	2090	4	150.0
1869	Guscio	2090	2170	2165	2092	4	150.0
1870	Guscio	1307	2163	2160	2104	4	150.0
1871	Guscio	2209	2171	2172	2210	4	150.0
1872	Guscio	2211	2173	2171	2209	4	150.0
1873	Guscio	2212	2174	2173	2211	4	150.0
1874	Guscio	2213	2175	2174	2212	4	150.0
1875	Guscio	2214	2176	2177	2215	4	150.0
1876	Guscio	2215	2177	2175	2213	4	150.0
1877	Guscio	2216	2178	2179	2217	4	150.0
1878	Guscio	2217	2179	2176	2214	4	150.0
1879	Guscio	2218	2180	2181	2219	4	150.0
1880	Guscio	2220	2182	2180	2218	4	150.0
1881	Guscio	2221	2183	2182	2220	4	150.0
1882	Guscio	2222	2184	2185	2223	4	150.0
1883	Guscio	2223	2185	2186	2224	4	150.0
1884	Guscio	2224	2186	2187	2225	4	150.0
1885	Guscio	2225	2187	2188	2226	4	150.0
1886	Guscio	2226	2188	2183	2221	4	150.0
1887	Guscio	2219	2181	2178	2216	4	150.0
1888	Guscio	1800	2189	2190	2207	4	150.0
1889	Guscio	1958	2191	2189	1800	4	150.0
1890	Guscio	1969	2192	2191	1958	4	150.0
1891	Guscio	1802	2193	2192	1969	4	150.0
1892	Guscio	1907	2199	2196	1896	4	150.0
1893	Guscio	1927	2195	2193	1802	4	150.0
1894	Guscio	1896	2196	2197	1803	4	150.0
1895	Guscio	1803	2197	2194	1938	4	150.0
1896	Guscio	1804	2198	2199	1907	4	150.0

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

1897	Guscio	1865	2200	2198	1804	4	150.0
1898	Guscio	2201	2091	1367	2200	4	150.0
1899	Guscio	2208	2202	2203	1801	4	150.0
1900	Guscio	1801	2203	2204	1836	4	150.0
1901	Guscio	1836	2204	2205	1825	4	150.0
1902	Guscio	1825	2205	2206	1805	4	150.0
1903	Guscio	1805	2206	2201	1876	4	150.0
1904	Guscio	1876	2201	2200	1865	4	150.0
1905	Guscio	2171	1800	2207	2172	4	150.0
1906	Guscio	2173	1958	1800	2171	4	150.0
1907	Guscio	2174	1969	1958	2173	4	150.0
1908	Guscio	2175	1802	1969	2174	4	150.0
1909	Guscio	2176	1938	1927	2177	4	150.0
1910	Guscio	2177	1927	1802	2175	4	150.0
1911	Guscio	2178	1896	1803	2179	4	150.0
1912	Guscio	2179	1803	1938	2176	4	150.0
1913	Guscio	2180	1804	1907	2181	4	150.0
1914	Guscio	2182	1865	1804	2180	4	150.0
1915	Guscio	2183	1876	1865	2182	4	150.0
1916	Guscio	2184	2208	1801	2185	4	150.0
1917	Guscio	2185	1801	1836	2186	4	150.0
1918	Guscio	2186	1836	1825	2187	4	150.0
1919	Guscio	2187	1825	1805	2188	4	150.0
1920	Guscio	2188	1805	1876	2183	4	150.0
1921	Guscio	2181	1907	1896	2178	4	150.0
1922	Guscio	2153	2209	2210	2154	4	150.0
1923	Guscio	2155	2211	2209	2153	4	150.0
1924	Guscio	2156	2212	2211	2155	4	150.0
1925	Guscio	2157	2213	2212	2156	4	150.0
1926	Guscio	2158	2214	2215	2159	4	150.0
1927	Guscio	2159	2215	2213	2157	4	150.0
1928	Guscio	2160	2216	2217	2161	4	150.0
1929	Guscio	2161	2217	2214	2158	4	150.0
1930	Guscio	2162	2218	2219	2163	4	150.0
1931	Setto	1693	2327	1692		4	180.0
1932	Setto	1692	2327	1691		4	180.0
1933	Setto	2327	1628	1691		4	180.0
1934	Setto	1629	2322	1722		4	180.0

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

1935	Setto	1517	2085	1516		4	180.0
1936	Setto	1516	2085	1515		4	180.0
1937	Setto	2085	1451	1515		4	180.0
1938	Setto	1450	2413	1546		4	180.0
1939	Setto	1546	2413	1589		4	180.0
1940	Setto	2413	1590	1589		4	180.0
1941	Guscio	2245	2105	2406	2334	4	150.0
1942	Guscio	2335	2106	2105	2245	4	150.0
1943	Guscio	2336	2341	2403	2337	4	150.0
1944	Guscio	2337	2403	2102	2246	4	150.0
1945	Guscio	2246	2102	2101	2338	4	150.0
1946	Guscio	2338	2101	2407	2339	4	150.0
1947	Guscio	2339	2407	2106	2335	4	150.0
1948	Guscio	2244	2108	2107	2300	4	150.0
1949	Guscio	2230	2287	2290	2231	4	150.0
1950	Guscio	2237	2291	2287	2230	4	150.0
1951	Guscio	2316	2292	2291	2237	4	150.0
1952	Guscio	2347	2294	2292	2316	4	150.0
1953	Guscio	2238	2086	2297	2349	4	150.0
1954	Guscio	2349	2297	2294	2347	4	150.0
1955	Guscio	2128	2127	2333	1631	4	150.0
1956	Guscio	1631	2333	2086	2238	4	150.0
1957	Guscio	2118	2117	2398	2239	4	150.0
1958	Guscio	1735	2366	2365	1724	4	150.0
1959	Guscio	1693	2367	2370	2327	4	150.0
1960	Guscio	2327	2370	2371	1628	4	150.0
1961	Guscio	2380	2387	2366	1735	4	150.0
1962	Guscio	1704	2372	2367	1693	4	150.0
1963	Guscio	1633	2373	2372	1704	4	150.0
1964	Guscio	1653	2374	2373	1633	4	150.0
1965	Guscio	1664	2375	2374	1653	4	150.0
1966	Guscio	1632	2376	2375	1664	4	150.0
1967	Guscio	2306	2377	2376	1632	4	150.0
1968	Guscio	2371	2233	2386	2387	4	150.0
1969	Guscio	2259	2277	2378	2379	4	150.0
1970	Guscio	2277	1628	2380	2378	4	150.0
1971	Guscio	1628	2371	2387	2380	4	150.0
1972	Guscio	2365	2320	2381	2382	4	150.0

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

1973	Guscio	2248	2270	2383	2384	4	150.0
1974	Guscio	2270	1724	2385	2383	4	150.0
1975	Guscio	2342	2332	2243	2362	4	150.0
1976	Guscio	2343	2334	2244	2345	4	150.0
1977	Guscio	2346	2245	2334	2343	4	150.0
1978	Guscio	2348	2335	2245	2346	4	150.0
1979	Guscio	2351	2336	2337	2352	4	150.0
1980	Guscio	2352	2337	2246	2353	4	150.0
1981	Guscio	2353	2246	2338	2354	4	150.0
1982	Guscio	2354	2338	2339	2355	4	150.0
1983	Guscio	2355	2339	2335	2348	4	150.0
1984	Guscio	2345	2244	2300	2364	4	150.0
1985	Guscio	2402	2129	2131	2340	4	150.0
1986	Guscio	2111	2408	2129	2402	4	150.0
1987	Guscio	2112	2133	2408	2111	4	150.0
1988	Guscio	2404	2135	2133	2112	4	150.0
1989	Guscio	2108	2144	2410	2107	4	150.0
1990	Guscio	2109	2409	2135	2404	4	150.0
1991	Guscio	2107	2410	2140	2405	4	150.0
1992	Guscio	2405	2140	2137	2110	4	150.0
1993	Guscio	2287	2357	2358	2290	4	150.0
1994	Guscio	2406	2141	2144	2108	4	150.0
1995	Guscio	2105	2411	2141	2406	4	150.0
1996	Guscio	2228	2227	2415	2411	4	150.0
1997	Guscio	2341	2145	2147	2403	4	150.0
1998	Guscio	2403	2147	2412	2102	4	150.0
1999	Guscio	2102	2412	2150	2101	4	150.0
2000	Guscio	2101	2150	2152	2407	4	150.0
2001	Guscio	2407	2152	2228	2106	4	150.0
2002	Guscio	2106	2228	2411	2105	4	150.0
2003	Guscio	2288	2402	2340	2289	4	150.0
2004	Guscio	2242	2111	2402	2288	4	150.0
2005	Guscio	2293	2112	2111	2242	4	150.0
2006	Guscio	2295	2404	2112	2293	4	150.0
2007	Guscio	2291	2359	2357	2287	4	150.0
2008	Guscio	2243	2110	2109	2296	4	150.0
2009	Guscio	1724	2365	2382	2385	4	150.0
2010	Guscio	2292	2360	2359	2291	4	150.0

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

2011	Setto	1691	2380	1734		4	180.0
2012	Guscio	2240	2098	2117	2118	4	150.0
2013	Guscio	2389	2390	2098	2240	4	150.0
2014	Guscio	2391	2119	2120	2121	4	150.0
2015	Guscio	2121	2120	2122	2241	4	150.0
2016	Guscio	2241	2122	2123	2124	4	150.0
2017	Guscio	2124	2123	2125	2126	4	150.0
2018	Guscio	2126	2125	2390	2389	4	150.0
2019	Guscio	2239	2398	2127	2128	4	150.0
2020	Guscio	2129	2130	2115	2131	4	150.0
2021	Guscio	2408	2132	2130	2129	4	150.0
2022	Guscio	2133	2134	2132	2408	4	150.0
2023	Guscio	2135	2136	2134	2133	4	150.0
2024	Guscio	2294	2361	2360	2292	4	150.0
2025	Setto	2380	1735	1734		4	180.0
2026	Guscio	2137	2138	2417	2409	4	150.0
2027	Guscio	2409	2417	2136	2135	4	150.0
2028	Guscio	2410	2088	2139	2140	4	150.0
2029	Guscio	2140	2139	2138	2137	4	150.0
2030	Guscio	2141	2142	2143	2144	4	150.0
2031	Guscio	2411	2415	2142	2141	4	150.0
2032	Guscio	2110	2137	2409	2109	4	150.0
2033	Guscio	2145	2116	2146	2147	4	150.0
2034	Guscio	2147	2146	2148	2412	4	150.0
2035	Guscio	2412	2148	2149	2150	4	150.0
2036	Guscio	2150	2149	2151	2152	4	150.0
2037	Guscio	2152	2151	2227	2228	4	150.0
2038	Guscio	2144	2143	2088	2410	4	150.0
2039	Guscio	2229	2230	2231	2114	4	150.0
2040	Guscio	2100	2237	2230	2229	4	150.0
2041	Guscio	2298	2316	2237	2100	4	150.0
2042	Guscio	2344	2347	2316	2298	4	150.0
2043	Guscio	2086	2362	2363	2297	4	150.0
2044	Guscio	2297	2363	2361	2294	4	150.0
2045	Guscio	2127	2364	2342	2333	4	150.0
2046	Guscio	2333	2342	2362	2086	4	150.0
2047	Guscio	2117	2343	2345	2398	4	150.0
2048	Guscio	2098	2346	2343	2117	4	150.0

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

2049	Guscio	2390	2348	2346	2098	4	150.0
2050	Guscio	2119	2351	2352	2120	4	150.0
2051	Guscio	2120	2352	2353	2122	4	150.0
2052	Guscio	2122	2353	2354	2123	4	150.0
2053	Guscio	2123	2354	2355	2125	4	150.0
2054	Guscio	2125	2355	2348	2390	4	150.0
2055	Guscio	2398	2345	2364	2127	4	150.0
2056	Guscio	2416	2238	2349	2350	4	150.0
2057	Guscio	2350	2349	2347	2344	4	150.0
2058	Guscio	2368	2128	1631	2099	4	150.0
2059	Guscio	2099	1631	2238	2416	4	150.0
2060	Guscio	2281	2118	2239	2097	4	150.0
2061	Guscio	2087	2240	2118	2281	4	150.0
2062	Guscio	2282	2389	2240	2087	4	150.0
2063	Guscio	2113	2391	2121	2283	4	150.0
2064	Guscio	2283	2121	2241	2284	4	150.0
2065	Guscio	2284	2241	2124	2285	4	150.0
2066	Guscio	2285	2124	2126	2286	4	150.0
2067	Guscio	2286	2126	2389	2282	4	150.0
2068	Guscio	2097	2239	2128	2368	4	150.0
2069	Guscio	2357	2288	2289	2358	4	150.0
2070	Guscio	2359	2242	2288	2357	4	150.0
2071	Guscio	2360	2293	2242	2359	4	150.0
2072	Guscio	2361	2295	2293	2360	4	150.0
2073	Guscio	2296	2109	2404	2295	4	150.0
2074	Guscio	2362	2243	2296	2363	4	150.0
2075	Guscio	2300	2107	2405	2332	4	150.0
2076	Setto	1723	2385	1722		4	180.0
2077	Guscio	2332	2405	2110	2243	4	150.0
2078	Guscio	2363	2296	2295	2361	4	150.0
2079	Guscio	2334	2406	2108	2244	4	150.0
2080	Guscio	2364	2300	2332	2342	4	150.0
2081	Setto	2385	1629	1722		4	180.0
2082	Guscio	2307	2330	2369	2308	4	150.0
2083	Guscio	2309	2325	2330	2307	4	150.0
2084	Guscio	2310	2326	2325	2309	4	150.0
2085	Guscio	2311	2274	2326	2310	4	150.0
2086	Guscio	2312	2323	2274	2311	4	150.0

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

2087	Guscio	2313	2324	2323	2312	4	150.0
2088	Guscio	2314	2328	2324	2313	4	150.0
2089	Guscio	2315	2234	2328	2314	4	150.0
2090	Guscio	2382	2381	2234	2315	4	150.0
2091	Guscio	2366	2321	2320	2365	4	150.0
2092	Guscio	2367	2318	2329	2370	4	150.0
2093	Guscio	2370	2329	2233	2371	4	150.0
2094	Guscio	2387	2386	2321	2366	4	150.0
2095	Guscio	2372	2319	2318	2367	4	150.0
2096	Guscio	2373	2278	2319	2372	4	150.0
2097	Guscio	2374	2279	2278	2373	4	150.0
2098	Guscio	2375	2317	2279	2374	4	150.0
2099	Guscio	2376	2276	2317	2375	4	150.0
2100	Guscio	2377	2388	2276	2376	4	150.0
2101	Guscio	2256	2261	2262	2257	4	150.0
2102	Guscio	2252	2263	2261	2256	4	150.0
2103	Guscio	2253	2264	2263	2252	4	150.0
2104	Guscio	2235	2265	2264	2253	4	150.0
2105	Guscio	2250	2266	2265	2235	4	150.0
2106	Guscio	2251	2267	2266	2250	4	150.0
2107	Guscio	2254	2268	2267	2251	4	150.0
2108	Guscio	2260	2269	2268	2254	4	150.0
2109	Guscio	2384	2383	2269	2260	4	150.0
2110	Guscio	2249	2271	2270	2248	4	150.0
2111	Guscio	2084	2272	2273	2255	4	150.0
2112	Guscio	2255	2273	2277	2259	4	150.0
2113	Guscio	2379	2378	2271	2249	4	150.0
2114	Guscio	2247	2280	2272	2084	4	150.0
2115	Guscio	2081	2299	2280	2247	4	150.0
2116	Guscio	2082	2301	2299	2081	4	150.0
2117	Guscio	2083	2302	2301	2082	4	150.0
2118	Guscio	2441	2479	2478	2435	4	150.0
2119	Guscio	2453	2480	2479	2441	4	150.0
2120	Guscio	2456	1447	2481	2457	4	150.0
2121	Guscio	2458	1610	1447	2456	4	150.0
2122	Guscio	2459	1621	1610	2458	4	150.0
2123	Guscio	2460	1448	1621	2459	4	150.0
2124	Guscio	2461	1579	1448	2460	4	150.0

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

2125	Guscio	2462	1590	1579	2461	4	150.0
2126	Guscio	2463	2413	1590	2462	4	150.0
2127	Guscio	2464	1450	2413	2463	4	150.0
2128	Guscio	2437	2497	1450	2464	4	150.0
2129	Guscio	2466	1559	1548	2465	4	150.0
2130	Guscio	2467	1517	2085	2468	4	150.0
2131	Guscio	2468	2085	1451	2472	4	150.0
2132	Guscio	2428	2430	1559	2466	4	150.0
2133	Guscio	2475	1528	1517	2467	4	150.0
2134	Guscio	2476	1449	1528	2475	4	150.0
2135	Guscio	2477	1477	1449	2476	4	150.0
2136	Guscio	2478	1488	1477	2477	4	150.0
2137	Guscio	2479	1446	1488	2478	4	150.0
2138	Guscio	2480	2482	1446	2479	4	150.0
2139	Guscio	1447	2483	2484	2481	4	150.0
2140	Guscio	1610	2485	2483	1447	4	150.0
2141	Guscio	1621	2486	2485	1610	4	150.0
2142	Guscio	1448	2487	2486	1621	4	150.0
2143	Guscio	1579	2488	2487	1448	4	150.0
2144	Guscio	1590	2489	2488	1579	4	150.0
2145	Guscio	2413	2490	2489	1590	4	150.0
2146	Guscio	1450	2491	2490	2413	4	150.0
2147	Guscio	2497	2432	2491	1450	4	150.0
2148	Guscio	1559	2331	2275	1548	4	150.0
2149	Guscio	1517	2418	2420	2085	4	150.0
2150	Guscio	2085	2420	2421	1451	4	150.0
2151	Guscio	2430	2506	2331	1559	4	150.0
2152	Guscio	1528	2422	2418	1517	4	150.0
2153	Guscio	1449	2423	2422	1528	4	150.0
2154	Guscio	1477	2424	2423	1449	4	150.0
2155	Guscio	1488	2425	2424	1477	4	150.0
2156	Guscio	1446	2426	2425	1488	4	150.0
2157	Guscio	2482	2427	2426	1446	4	150.0
2158	Guscio	2421	2438	2502	2506	4	150.0
2159	Guscio	2454	2472	2428	2429	4	150.0
2160	Guscio	2472	1451	2430	2428	4	150.0
2161	Guscio	1451	2421	2506	2430	4	150.0
2162	Guscio	2275	2495	2431	2432	4	150.0

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

2163	Guscio	2443	2465	2437	2470	4	150.0
2164	Guscio	2465	1548	2497	2437	4	150.0
2165	Guscio	1548	2275	2432	2497	4	150.0
2166	Guscio	2483	2505	2419	2484	4	150.0
2167	Guscio	2485	2500	2505	2483	4	150.0
2168	Guscio	2486	2501	2500	2485	4	150.0
2169	Guscio	2487	2469	2501	2486	4	150.0
2170	Guscio	2488	2498	2469	2487	4	150.0
2171	Guscio	2489	2499	2498	2488	4	150.0
2172	Guscio	2490	2503	2499	2489	4	150.0
2173	Guscio	2491	2439	2503	2490	4	150.0
2174	Guscio	2432	2431	2439	2491	4	150.0
2175	Guscio	2331	2496	2495	2275	4	150.0
2176	Guscio	2418	2493	2504	2420	4	150.0
2177	Guscio	2420	2504	2438	2421	4	150.0
2178	Guscio	2506	2502	2496	2331	4	150.0
2179	Guscio	2422	2494	2493	2418	4	150.0
2180	Guscio	2423	2473	2494	2422	4	150.0
2181	Guscio	2424	2474	2473	2423	4	150.0
2182	Guscio	2425	2492	2474	2424	4	150.0
2183	Guscio	2426	2471	2492	2425	4	150.0
2184	Guscio	2427	2356	2471	2426	4	150.0
2185	Guscio	2451	2456	2457	2452	4	150.0
2186	Guscio	2447	2458	2456	2451	4	150.0
2187	Guscio	2448	2459	2458	2447	4	150.0
2188	Guscio	2440	2460	2459	2448	4	150.0
2189	Guscio	2445	2461	2460	2440	4	150.0
2190	Guscio	2446	2462	2461	2445	4	150.0
2191	Guscio	2449	2463	2462	2446	4	150.0
2192	Guscio	2455	2464	2463	2449	4	150.0
2193	Guscio	2470	2437	2464	2455	4	150.0
2194	Guscio	2444	2466	2465	2443	4	150.0
2195	Guscio	2436	2467	2468	2450	4	150.0
2196	Guscio	2450	2468	2472	2454	4	150.0
2197	Guscio	2429	2428	2466	2444	4	150.0
2198	Guscio	2442	2475	2467	2436	4	150.0
2199	Guscio	2433	2476	2475	2442	4	150.0
2200	Guscio	2434	2477	2476	2433	4	150.0

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

2201	Guscio	2435	2478	2477	2434	4	150.0
2202	Setto	1547	2497	1546		4	180.0
2203	Setto	2497	1450	1546		4	180.0
2204	Setto	1515	2430	1558		4	180.0
2205	Setto	2430	1559	1558		4	180.0
2206	Setto	1306	2346	1295		4	160.0
2207	Setto	2345	2364	1335		4	160.0
2208	Setto	1346	2345	1335		4	160.0

13.4 MODELLAZIONE DELLE AZIONI

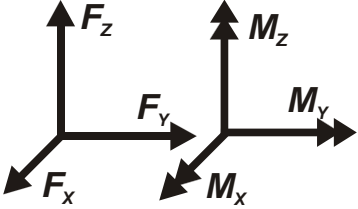
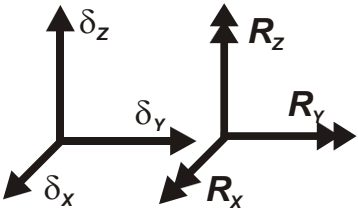
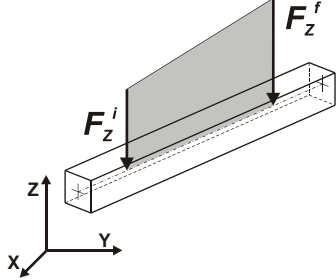
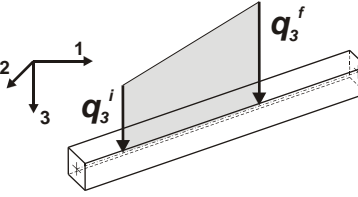
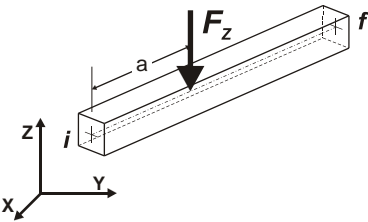
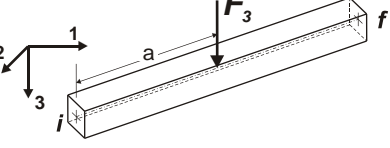
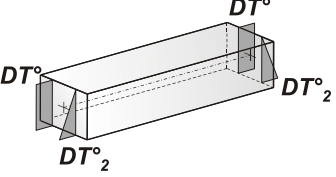
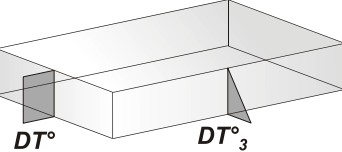
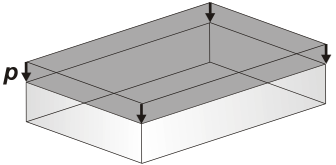
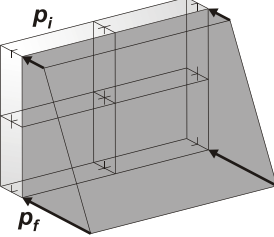
13.4.1 LEGENDA TABELLA DATI AZIONI

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

1	carico concentrato nodale 6 dati (forza Fx, Fy, Fz, momento Mx, My, Mz)
2	spostamento nodale impresso 6 dati (spostamento Tx,Ty,Tz, rotazione Rx,Ry,Rz)
3	carico distribuito globale su elemento tipo trave 7 dati (fx,fy,fz,mx,my,mz,ascissa di inizio carico) 7 dati (fx,fy,fz,mx,my,mz,ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f1,f2,f3,m1,m2,m3,ascissa di inizio carico) 7 dati (f1,f2,f3,m1,m2,m3,ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (Fx,Fy,Fz,Mx,My,Mz,ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F1, F2, F3, M1, M2, M3, ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)

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10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)

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

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Tipo carico distribuito globale su trave

Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		m	kN/ m	kN/ m	kN/ m	kN	kN	kN
5	barriere+parapetti	0.0	0.0	0.0	-1.90	0.0	0.0	0.0
		0.0	0.0	0.0	-1.90	0.0	0.0	0.0
19	frenatura	0.0	-35.00	0.0	0.0	0.0	0.0	0.0
		0.0	-35.00	0.0	0.0	0.0	0.0	0.0
26	azione vento	0.0	0.0	0.07	0.0	0.0	0.0	0.0
		0.0	0.0	0.07	0.0	0.0	0.0	0.0
33	Q1k	0.0	0.0	0.0	-200.00	0.0	0.0	0.0
		0.0	0.0	0.0	-200.00	0.0	0.0	0.0
34	Q2k	0.0	0.0	0.0	-133.33	0.0	0.0	0.0
		0.0	0.0	0.0	-133.33	0.0	0.0	0.0
35	Q3k	0.0	0.0	0.0	-66.67	0.0	0.0	0.0
		0.0	0.0	0.0	-66.67	0.0	0.0	0.0

Tipo carico variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		m	kN/ m2	m	kN/ m2
6	pavimentazione				
	Z - Z Qz Area L2=0.0	-0.01	-4.30	0.01	-4.30
22	spinta a riposo x-				
	Z - Z Qx Area L2=0.0	-11.40	-49.23	-2.40	0.0
23	spinta a riposo x+				
	Z - Z Qx Area L2=0.0	-11.40	49.23	-2.40	0.0
31	qrk				
	Z - Z Qz Area L2=0.0	-0.01	-2.50	0.01	-2.50
32	q1k				
	Z - Z Qz Area L2=0.0	-0.01	-6.50	0.01	-6.50

13.5 SCHEMATIZZAZIONE DEI CASI DI CARICO

13.5.1 LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

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

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

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

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

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

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:

Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).

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

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

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

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

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CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gk	carichi permanenti	
			D2 :da 30 a 40 Azione : barriere+parapetti
			D2 :da 49 a 50 Azione : barriere+parapetti
			D2 :da 59 a 73 Azione : barriere+parapetti
			D2 :da 74 a 117 Azione : barriere+parapetti
			D2 :da 118 a 161 Azione : barriere+parapetti
			D2 :da 250 a 271 Azione : barriere+parapetti
			D2 :da 514 a 517 Azione : barriere+parapetti
			D2 :da 525 a 526 Azione : barriere+parapetti
			D3 :da 1 a 72 Azione : pavimentazione
			D3 :da 73 a 144 Azione : pavimentazione
			D3 :da 145 a 216 Azione : pavimentazione
			D3 :da 217 a 288 Azione : pavimentazione
			D3 :da 289 a 396 Azione : pavimentazione
			D3 :da 397 a 468 Azione : pavimentazione
			D3 :da 469 a 576 Azione : pavimentazione
			D3 :da 577 a 648 Azione : pavimentazione
			D3 :da 649 a 792 Azione : pavimentazione
			D3 :da 793 a 864 Azione : pavimentazione
			D3 :da 865 a 936 Azione : pavimentazione
			D3 :da 937 a 1008 Azione : pavimentazione
			D3 :da 1009 a 1080 Azione : pavimentazione
			D3 :da 1081 a 1230 Azione : spinta a riposo x-
			D3 :da 1531 a 1680 Azione : spinta a riposo x+
			D3 :da 2206 a 2208 Azione : spinta a riposo x-
3	Esk	sisma y+	
			angolo di ingresso:90.00
			intensità sismica:0.04
			protezione sismica:1.00
			coefficiente di struttura:1.00
			coefficiente di fondazione:1.00
			partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 carichi permanenti

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CDC	Tipo	Sigla Id	Note
4	Esk	sisma x+	
			angolo di ingresso:0.0
			intensità sismica:0.04
			protezione sismica:1.00
			coefficiente di struttura:1.00
			coefficiente di fondazione:1.00
			partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 carichi permanenti
5	Qk	azione vento	
			D2 :da 30 a 40 Azione : azione vento
			D2 :da 59 a 73 Azione : azione vento
			D2 :da 118 a 161 Azione : azione vento
			D2 :da 525 a 526 Azione : azione vento
6	Qk	Q pos1	
			D2 :da 566 a 568 Azione : Q3k
			D2 :da 569 a 571 Azione : Q2k
			D2 :da 572 a 574 Azione : frenatura
			D2 :da 572 a 574 Azione : Q1k
7	Qk	Q pos2	
			D2 : 544 Azione : frenatura
			D2 : 544 Azione : Q1k
			D2 :da 581 a 583 Azione : Q3k
			D2 :da 584 a 586 Azione : Q2k
			D2 :da 587 a 588 Azione : frenatura
			D2 :da 587 a 588 Azione : Q1k
8	Qk	Q pos3	
			D2 :da 551 a 553 Azione : Q3k
			D2 :da 554 a 556 Azione : Q2k
			D2 :da 557 a 559 Azione : frenatura
			D2 :da 557 a 559 Azione : Q1k
9	Qk	Q pos4	
			D2 :da 341 a 343 Azione : Q3k
			D2 :da 344 a 346 Azione : Q2k
			D2 :da 347 a 349 Azione : frenatura
			D2 :da 347 a 349 Azione : Q1k
10	Qk	Q pos5	

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CDC	Tipo	Sigla Id	Note
			D2 :da 356 a 358 Azione : Q3k
			D2 :da 359 a 361 Azione : Q2k
			D2 :da 362 a 364 Azione : frenatura
			D2 :da 362 a 364 Azione : Q1k
11	Qk	Q pos6	
			D2 :da 371 a 373 Azione : Q3k
			D2 :da 374 a 376 Azione : Q2k
			D2 :da 377 a 379 Azione : frenatura
			D2 :da 377 a 379 Azione : Q1k
12	Qk	Q pos7	
			D2 :da 386 a 388 Azione : Q3k
			D2 :da 389 a 391 Azione : Q2k
			D2 :da 392 a 394 Azione : frenatura
			D2 :da 392 a 394 Azione : Q1k
13	Qk	Q pos8	
			D2 :da 402 a 404 Azione : Q3k
			D2 :da 405 a 407 Azione : Q2k
			D2 :da 408 a 410 Azione : frenatura
			D2 :da 408 a 410 Azione : Q1k
14	Qk	Q pos9	
			D2 :da 417 a 419 Azione : Q3k
			D2 :da 420 a 422 Azione : Q2k
			D2 :da 423 a 425 Azione : frenatura
			D2 :da 423 a 425 Azione : Q1k
15	Qk	carico distribuito impalcato	
			D3 :da 1 a 72 Azione : qrk
			D3 :da 73 a 144 Azione : qrk
			D3 :da 145 a 216 Azione : qrk
			D3 :da 217 a 288 Azione : qrk
			D3 :da 289 a 396 Azione : qrk
			D3 :da 397 a 468 Azione : qrk
			D3 :da 469 a 576 Azione : qrk
			D3 :da 577 a 648 Azione : qrk
			D3 :da 649 a 792 Azione : qrk
			D3 :da 793 a 864 Azione : qrk
			D3 :da 865 a 936 Azione : qrk

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CDC	Tipo	Sigla Id	Note
			D3 :da 937 a 1008 Azione : qrk
			D3 :da 1009 a 1080 Azione : qrk
16	Qk	carico distribuito CORSIA 1	
			D3 :da 73 a 144 Azione : q1k
			D3 :da 217 a 288 Azione : q1k
			D3 :da 397 a 468 Azione : q1k
			D3 :da 577 a 648 Azione : q1k
			D3 :da 793 a 864 Azione : q1k
			D3 :da 937 a 1008 Azione : q1k
17	Qk	carico distribuito CORSIA 2	
			D3 :da 109 a 144 Azione : q1k
			D3 :da 253 a 288 Azione : q1k
			D3 :da 433 a 468 Azione : q1k
			D3 :da 613 a 648 Azione : q1k
			D3 :da 829 a 864 Azione : q1k
			D3 :da 973 a 1008 Azione : q1k
18	Qk	Q pos10	
			D2 :da 566 a 568 Azione : Q3k
			D2 :da 569 a 571 Azione : frenatura
			D2 :da 569 a 571 Azione : Q1k
			D2 :da 572 a 574 Azione : Q2k
19	Qk	Q pos11	
			D2 : 544 Azione : Q2k
			D2 :da 581 a 583 Azione : Q3k
			D2 :da 584 a 586 Azione : frenatura
			D2 :da 584 a 586 Azione : Q1k
			D2 :da 587 a 588 Azione : Q2k
20	Qk	Q pos12	
			D2 :da 551 a 553 Azione : Q3k
			D2 :da 554 a 556 Azione : Q1k
			D2 :da 557 a 559 Azione : Q2k
21	Qk	Q pos13	
			D2 :da 341 a 343 Azione : Q3k
			D2 :da 344 a 346 Azione : Q1k
			D2 :da 347 a 349 Azione : Q2k
22	Qk	Q pos14	

CDC	Tipo	Sigla Id	Note
			D2 :da 356 a 358 Azione : Q3k
			D2 :da 359 a 361 Azione : Q1k
			D2 :da 362 a 364 Azione : Q2k
23	Qk	Q pos15	
			D2 :da 371 a 373 Azione : Q3k
			D2 :da 374 a 376 Azione : Q1k
			D2 :da 377 a 379 Azione : Q2k
24	Qk	Q pos16	
			D2 :da 386 a 388 Azione : Q3k
			D2 :da 389 a 391 Azione : Q1k
			D2 :da 392 a 394 Azione : Q2k
25	Qk	Q pos17	
			D2 :da 402 a 404 Azione : Q3k
			D2 :da 405 a 407 Azione : Q1k
			D2 :da 408 a 410 Azione : Q2k
26	Qk	Q pos18	
			D2 :da 417 a 419 Azione : Q3k
			D2 :da 420 a 422 Azione : Q1k
			D2 :da 423 a 425 Azione : Q2k

13.6 DEFINIZIONE DELLE COMBINAZIONI

13.6.1 LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

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

Cmb	Tipo	Sigla Id	Peso	CDC
1	SLU	SISMA X+	1.00	CDC=Ggk (peso proprio della struttura)

Cmb	Tipo	Sigla Id	Peso	CDC
			1.00	carichi permanenti
			1.00	sisma x+
2	SLU	SISMA Y+	1.00	CDC=Ggk (peso proprio della struttura)
			1.00	carichi permanenti
			1.00	sisma y+

13.7 RISULTATI ANALISI SISMICHE

13.7.1 LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

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

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

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

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

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza - Tabella 4.3
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore di struttura q	Fattore dipendente dalla tipologia strutturale
Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura

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Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

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

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

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

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

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

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
dE	Spostamento relativo tra le due facce (amplificato del 20% combinato con la regola del 30%)
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta A_r (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elastomero

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Vcr	Carico critico per instabilità
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Affinchè la verifica sia positiva deve essere:

- 1) $V > 0$
- 2) $\text{Sig } s < f_{yk}$
- 3) $\text{Gam } t < 5$
- 4) $\text{Gam } s < \text{Gam } * \text{ (caratteristica dell' elastomero)}$
- 5) $\text{Gam } s < 2$
- 6) $V < 0.5 V_{cr}$

CDC	Tipo	Sigla Id	Note
3	Esk	sisma y+	
			angolo di ingresso:90.00
			intensità sismica:0.04
			protezione sismica:1.00
			coefficiente di struttura:1.00
			coefficiente di fondazione:1.00

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	kN	kN	kN	m	m	m	m	m	m			
11.40	722.93	722.93	1.331e+04	43.35	1.53	0.0	0.0	43.35	1.53	1.097	0.0	0.0
9.80	8.59	731.52	170.04	43.35	1.53	0.0	0.0	43.35	1.53	1.123	0.0	0.0
9.65	10.47	741.99	208.89	43.35	1.53	0.0	0.0	43.35	1.53	1.123	0.0	0.0
8.70	147.03	889.03	3070.83	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
7.83	85.31	974.34	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
6.96	81.45	1055.79	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
6.09	77.59	1133.38	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
5.22	73.73	1207.12	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
4.35	69.87	1276.99	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
3.48	66.01	1343.00	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
2.61	62.15	1405.15	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
1.74	58.29	1463.45	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
0.87	54.38	1517.83	1860.64	43.31	1.54	0.0	0.0	42.79	1.68	1.227	0.018	6.6877e-04
0.0	374.35	1892.18	1.378e+04	43.39	1.53	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1892.18		4.730e+04									

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

CDC	Tipo	Sigla Id	Note
4	Esk	sisma x+	
			angolo di ingresso:0.0
			intensità sismica:0.04
			protezione sismica:1.00
			coefficiente di struttura:1.00
			coefficiente di fondazione:1.00

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	rapp. r/Ls	rapp. ex/rx	rapp. ey/ry
m	kN	kN	kN	m	m	m	m	m	m			
11.40	722.93	722.93	1.331e+04	43.35	1.53	0.0	0.0	43.35	1.53	1.097	0.0	0.0
9.80	8.59	731.52	170.04	43.35	1.53	0.0	0.0	43.35	1.53	1.123	0.0	0.0
9.65	10.47	741.99	208.89	43.35	1.53	0.0	0.0	43.35	1.53	1.123	0.0	0.0
8.70	147.03	889.03	3070.83	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
7.83	85.31	974.34	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
6.96	81.45	1055.79	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
6.09	77.59	1133.38	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
5.22	73.73	1207.12	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
4.35	69.87	1276.99	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
3.48	66.01	1343.00	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
2.61	62.15	1405.15	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
1.74	58.29	1463.45	1862.35	43.35	1.53	0.0	0.0	43.35	1.53	1.234	0.0	0.0
0.87	54.38	1517.83	1860.64	43.31	1.54	0.0	0.0	42.79	1.68	1.227	0.018	6.6877e-04
0.0	374.35	1892.18	1.378e+04	43.39	1.53	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Risulta	1892.18		4.730e+04									

Pilas.	Cmb	1000 etaT/h	etaT	etaP	etaD	lambda	X	inter. h
			m	m	m			cm
398	1	0.38	5.71e-05	1.30e-05	3.63e-05	2.00	1.50	15.00
428	1	0.75	1.20e-03	7.13e-04	5.43e-04	2.00	1.50	160.00
429	1	0.74	1.19e-03	7.08e-04	5.39e-04	2.00	1.50	160.00
430	1	0.74	1.18e-03	6.87e-04	5.44e-04	2.00	1.50	160.00
431	1	0.74	1.18e-03	6.55e-04	5.56e-04	2.00	1.50	160.00

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

432	1	0.41	6.49e-04	6.28e-04	1.73e-04	2.00	1.50	160.00
433	1	0.40	6.33e-04	6.26e-04	1.62e-04	2.00	1.50	160.00
434	1	0.38	6.14e-04	6.12e-04	1.54e-04	2.00	1.50	160.00
435	1	0.37	5.93e-04	5.91e-04	1.49e-04	2.00	1.50	160.00
436	1	0.89	1.42e-03	1.16e-03	4.83e-04	2.00	1.50	160.00
437	1	0.88	1.41e-03	1.17e-03	4.77e-04	2.00	1.50	160.00
438	1	0.87	1.40e-03	1.15e-03	4.74e-04	2.00	1.50	160.00
439	1	0.86	1.38e-03	1.12e-03	4.74e-04	2.00	1.50	160.00
440	1	0.87	1.40e-03	1.16e-03	4.69e-04	2.00	1.50	160.00
441	1	0.87	1.39e-03	1.16e-03	4.64e-04	2.00	1.50	160.00
442	1	0.86	1.38e-03	1.15e-03	4.61e-04	2.00	1.50	160.00
443	1	0.85	1.36e-03	1.12e-03	4.61e-04	2.00	1.50	160.00
444	1	0.44	7.00e-04	6.61e-04	1.94e-04	2.00	1.50	160.00
445	1	0.43	6.85e-04	6.60e-04	1.84e-04	2.00	1.50	160.00
446	1	0.42	6.66e-04	6.47e-04	1.76e-04	2.00	1.50	160.00
447	1	0.40	6.46e-04	6.26e-04	1.71e-04	2.00	1.50	160.00
448	1	0.78	1.25e-03	6.19e-04	6.25e-04	2.00	1.50	160.00
449	1	0.77	1.24e-03	6.14e-04	6.21e-04	2.00	1.50	160.00
450	1	0.77	1.23e-03	5.94e-04	6.24e-04	2.00	1.50	160.00
451	1	0.76	1.22e-03	5.63e-04	6.35e-04	2.00	1.50	160.00
452	1	0.38	5.77e-05	1.30e-05	3.68e-05	2.00	1.50	15.00
453	1	0.38	5.77e-05	1.31e-05	3.67e-05	2.00	1.50	15.00
454	1	0.39	5.86e-05	1.41e-05	3.69e-05	2.00	1.50	15.00
455	1	0.40	6.05e-05	1.61e-05	3.73e-05	2.00	1.50	15.00
456	1	0.22	3.32e-05	3.46e-06	2.32e-05	2.00	1.50	15.00
457	1	0.31	4.70e-05	1.94e-06	3.43e-05	2.00	1.50	15.00
458	1	0.31	4.69e-05	2.01e-06	3.42e-05	2.00	1.50	15.00
459	1	0.22	3.27e-05	2.20e-06	2.34e-05	2.00	1.50	15.00
460	1	0.32	4.73e-05	2.78e-06	3.41e-05	2.00	1.50	15.00
461	1	0.22	3.27e-05	1.58e-06	2.37e-05	2.00	1.50	15.00
462	1	0.22	3.32e-05	1.57e-06	2.41e-05	2.00	1.50	15.00
463	1	0.32	4.85e-05	4.40e-06	3.42e-05	2.00	1.50	15.00
464	1	0.31	4.71e-05	2.67e-06	3.40e-05	2.00	1.50	15.00
465	1	0.22	3.37e-05	2.35e-06	2.41e-05	2.00	1.50	15.00
466	1	0.22	3.36e-05	1.85e-06	2.43e-05	2.00	1.50	15.00
467	1	0.32	4.73e-05	3.35e-06	3.38e-05	2.00	1.50	15.00
468	1	0.23	3.39e-05	1.72e-06	2.46e-05	2.00	1.50	15.00
469	1	0.31	4.68e-05	2.54e-06	3.39e-05	2.00	1.50	15.00

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

470	1	0.23	3.40e-05	1.13e-06	2.50e-05	2.00	1.50	15.00
471	1	0.32	4.86e-05	5.11e-06	3.39e-05	2.00	1.50	15.00
472	1	0.40	5.98e-05	1.59e-05	3.70e-05	2.00	1.50	15.00
473	1	0.39	5.81e-05	1.41e-05	3.65e-05	2.00	1.50	15.00
474	1	0.38	5.72e-05	1.31e-05	3.64e-05	2.00	1.50	15.00
475	1	0.34	3.25e-04	9.79e-05	1.95e-04	2.00	1.50	95.00
476	1	0.33	3.18e-04	8.91e-05	1.94e-04	2.00	1.50	95.00
477	1	0.33	3.13e-04	8.43e-05	1.93e-04	2.00	1.50	95.00
478	1	0.33	3.13e-04	8.31e-05	1.93e-04	2.00	1.50	95.00
479	1	0.29	2.78e-04	3.73e-05	1.90e-04	2.00	1.50	95.00
480	1	0.23	2.20e-04	3.42e-05	1.48e-04	2.00	1.50	95.00
481	1	0.23	2.19e-04	3.09e-05	1.48e-04	2.00	1.50	95.00
482	1	0.29	2.77e-04	3.56e-05	1.90e-04	2.00	1.50	95.00
483	1	0.29	2.77e-04	3.59e-05	1.90e-04	2.00	1.50	95.00
484	1	0.23	2.20e-04	3.11e-05	1.50e-04	2.00	1.50	95.00
485	1	0.24	2.24e-04	3.26e-05	1.51e-04	2.00	1.50	95.00
486	1	0.30	2.80e-04	4.07e-05	1.90e-04	2.00	1.50	95.00
487	1	0.30	2.81e-04	4.21e-05	1.89e-04	2.00	1.50	95.00
488	1	0.24	2.31e-04	3.57e-05	1.55e-04	2.00	1.50	95.00
489	1	0.29	2.76e-04	3.65e-05	1.89e-04	2.00	1.50	95.00
490	1	0.24	2.28e-04	3.48e-05	1.54e-04	2.00	1.50	95.00
491	1	0.24	2.26e-04	3.41e-05	1.52e-04	2.00	1.50	95.00
492	1	0.29	2.76e-04	3.59e-05	1.89e-04	2.00	1.50	95.00
493	1	0.29	2.78e-04	3.79e-05	1.90e-04	2.00	1.50	95.00
494	1	0.24	2.26e-04	3.59e-05	1.52e-04	2.00	1.50	95.00
495	1	0.34	3.20e-04	9.61e-05	1.92e-04	2.00	1.50	95.00
496	1	0.33	3.12e-04	8.78e-05	1.90e-04	2.00	1.50	95.00
497	1	0.32	3.08e-04	8.34e-05	1.89e-04	2.00	1.50	95.00
498	1	0.32	3.07e-04	8.23e-05	1.89e-04	2.00	1.50	95.00
398	2	0.48	7.21e-05	1.30e-05	4.76e-05	2.00	1.50	15.00
428	2	0.55	8.83e-04	7.13e-04	3.06e-04	2.00	1.50	160.00
429	2	0.54	8.70e-04	7.08e-04	2.99e-04	2.00	1.50	160.00
430	2	0.54	8.57e-04	6.87e-04	2.99e-04	2.00	1.50	160.00
431	2	0.53	8.45e-04	6.55e-04	3.06e-04	2.00	1.50	160.00
432	2	0.36	5.70e-04	6.28e-04	1.14e-04	2.00	1.50	160.00
433	2	0.36	5.68e-04	6.26e-04	1.13e-04	2.00	1.50	160.00
434	2	0.35	5.60e-04	6.12e-04	1.14e-04	2.00	1.50	160.00
435	2	0.34	5.48e-04	5.91e-04	1.16e-04	2.00	1.50	160.00

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

436	2	0.59	9.42e-04	1.16e-03	1.25e-04	2.00	1.50	160.00
437	2	0.59	9.43e-04	1.17e-03	1.25e-04	2.00	1.50	160.00
438	2	0.58	9.34e-04	1.15e-03	1.25e-04	2.00	1.50	160.00
439	2	0.57	9.19e-04	1.12e-03	1.27e-04	2.00	1.50	160.00
440	2	0.59	9.39e-04	1.16e-03	1.25e-04	2.00	1.50	160.00
441	2	0.59	9.40e-04	1.16e-03	1.25e-04	2.00	1.50	160.00
442	2	0.58	9.31e-04	1.15e-03	1.25e-04	2.00	1.50	160.00
443	2	0.57	9.15e-04	1.12e-03	1.27e-04	2.00	1.50	160.00
444	2	0.37	5.92e-04	6.61e-04	1.14e-04	2.00	1.50	160.00
445	2	0.37	5.91e-04	6.60e-04	1.13e-04	2.00	1.50	160.00
446	2	0.36	5.83e-04	6.47e-04	1.14e-04	2.00	1.50	160.00
447	2	0.36	5.71e-04	6.26e-04	1.15e-04	2.00	1.50	160.00
448	2	0.51	8.22e-04	6.19e-04	3.07e-04	2.00	1.50	160.00
449	2	0.51	8.09e-04	6.14e-04	3.00e-04	2.00	1.50	160.00
450	2	0.50	7.96e-04	5.94e-04	3.00e-04	2.00	1.50	160.00
451	2	0.49	7.84e-04	5.63e-04	3.07e-04	2.00	1.50	160.00
452	2	0.48	7.18e-05	1.30e-05	4.74e-05	2.00	1.50	15.00
453	2	0.48	7.22e-05	1.31e-05	4.76e-05	2.00	1.50	15.00
454	2	0.49	7.30e-05	1.41e-05	4.77e-05	2.00	1.50	15.00
455	2	0.49	7.41e-05	1.61e-05	4.75e-05	2.00	1.50	15.00
456	2	0.11	1.70e-05	3.46e-06	1.10e-05	2.00	1.50	15.00
457	2	0.12	1.73e-05	1.94e-06	1.20e-05	2.00	1.50	15.00
458	2	0.12	1.76e-05	2.01e-06	1.22e-05	2.00	1.50	15.00
459	2	0.11	1.63e-05	2.20e-06	1.11e-05	2.00	1.50	15.00
460	2	0.12	1.82e-05	2.78e-06	1.22e-05	2.00	1.50	15.00
461	2	0.11	1.58e-05	1.58e-06	1.11e-05	2.00	1.50	15.00
462	2	0.10	1.56e-05	1.57e-06	1.09e-05	2.00	1.50	15.00
463	2	0.13	1.91e-05	4.40e-06	1.21e-05	2.00	1.50	15.00
464	2	0.12	1.78e-05	2.67e-06	1.20e-05	2.00	1.50	15.00
465	2	0.11	1.62e-05	2.35e-06	1.10e-05	2.00	1.50	15.00
466	2	0.11	1.60e-05	1.85e-06	1.11e-05	2.00	1.50	15.00
467	2	0.12	1.85e-05	3.35e-06	1.22e-05	2.00	1.50	15.00
468	2	0.11	1.58e-05	1.72e-06	1.10e-05	2.00	1.50	15.00
469	2	0.12	1.79e-05	2.54e-06	1.22e-05	2.00	1.50	15.00
470	2	0.10	1.53e-05	1.13e-06	1.09e-05	2.00	1.50	15.00
471	2	0.13	1.96e-05	5.11e-06	1.21e-05	2.00	1.50	15.00
472	2	0.49	7.41e-05	1.59e-05	4.77e-05	2.00	1.50	15.00
473	2	0.49	7.31e-05	1.41e-05	4.78e-05	2.00	1.50	15.00

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

474	2	0.48	7.25e-05	1.31e-05	4.78e-05	2.00	1.50	15.00
475	2	0.51	4.83e-04	9.79e-05	3.13e-04	2.00	1.50	95.00
476	2	0.50	4.79e-04	8.91e-05	3.15e-04	2.00	1.50	95.00
477	2	0.50	4.75e-04	8.43e-05	3.14e-04	2.00	1.50	95.00
478	2	0.50	4.72e-04	8.31e-05	3.13e-04	2.00	1.50	95.00
479	2	0.10	9.77e-05	3.73e-05	5.46e-05	2.00	1.50	95.00
480	2	0.10	9.05e-05	3.42e-05	5.08e-05	2.00	1.50	95.00
481	2	0.09	8.80e-05	3.09e-05	5.05e-05	2.00	1.50	95.00
482	2	0.10	9.66e-05	3.56e-05	5.46e-05	2.00	1.50	95.00
483	2	0.10	9.70e-05	3.59e-05	5.48e-05	2.00	1.50	95.00
484	2	0.09	8.79e-05	3.11e-05	5.04e-05	2.00	1.50	95.00
485	2	0.09	8.90e-05	3.26e-05	5.04e-05	2.00	1.50	95.00
486	2	0.11	1.01e-04	4.07e-05	5.51e-05	2.00	1.50	95.00
487	2	0.11	1.01e-04	4.21e-05	5.50e-05	2.00	1.50	95.00
488	2	0.10	9.08e-05	3.57e-05	5.03e-05	2.00	1.50	95.00
489	2	0.10	9.74e-05	3.65e-05	5.48e-05	2.00	1.50	95.00
490	2	0.09	9.01e-05	3.48e-05	5.02e-05	2.00	1.50	95.00
491	2	0.09	8.99e-05	3.41e-05	5.04e-05	2.00	1.50	95.00
492	2	0.10	9.67e-05	3.59e-05	5.46e-05	2.00	1.50	95.00
493	2	0.10	9.80e-05	3.79e-05	5.46e-05	2.00	1.50	95.00
494	2	0.10	9.15e-05	3.59e-05	5.07e-05	2.00	1.50	95.00
495	2	0.51	4.83e-04	9.61e-05	3.14e-04	2.00	1.50	95.00
496	2	0.50	4.80e-04	8.78e-05	3.16e-04	2.00	1.50	95.00
497	2	0.50	4.76e-04	8.34e-05	3.16e-04	2.00	1.50	95.00
498	2	0.50	4.73e-04	8.23e-05	3.14e-04	2.00	1.50	95.00

Pilas.

1000 etaT/h

0.89

13.8 RISULTATI OPERE DI FONDAZIONE

13.8.1 LEGENDA RISULTATI OPERE DI FONDAZIONE

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

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

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

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

In particolare viene riportato:

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

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

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

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

In particolare viene riportato:

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

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

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

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

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

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

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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
				m	kN	kN	kN	kN m	kN m	kN m
2155	PALO D 100.00	1	1	0.0	14.96	1.88	-330.14	-6.90	-5.00	-1.61e-06
		1	2	0.0	-22.49	26.80	-502.49	-67.47	83.64	1.96e-04
2158	PALO D 100.00	1	1	0.0	15.05	1.44	-356.40	-4.86	-5.41	-2.56e-06
		1	2	0.0	-20.50	26.62	-509.75	-66.60	77.84	5.72e-05
2163	PALO D 100.00	1	1	0.0	15.13	0.90	-366.34	-2.36	-6.01	-5.05e-06
		1	2	0.0	-18.30	25.99	-502.95	-63.73	70.92	5.18e-05
2164	PALO D 100.00	1	1	0.0	15.07	0.57	-363.61	-0.80	-6.14	-9.75e-06
		1	2	0.0	-16.19	25.31	-478.24	-60.67	64.36	5.58e-05
2168	PALO D 100.00	1	1	0.0	14.85	0.27	-349.94	0.56	-5.75	-5.65e-05
		1	2	0.0	-14.43	24.61	-432.11	-57.46	59.35	2.28e-04
2173	PALO D 100.00	1	1	0.0	17.40	1.85	-752.66	-6.68	-16.35	-4.54e-06
		1	2	0.0	-18.32	28.17	-843.55	-70.16	64.64	5.72e-04
2176	PALO D 100.00	1	1	0.0	17.60	0.97	-771.66	-2.76	-17.31	-1.00e-05
		1	2	0.0	-15.96	27.28	-830.83	-66.18	57.00	1.69e-04
2181	PALO D 100.00	1	1	0.0	17.69	0.52	-773.40	-0.90	-18.00	-1.77e-05
		1	2	0.0	-13.72	26.79	-799.94	-64.11	49.87	1.68e-04
2182	PALO D 100.00	1	1	0.0	17.81	0.15	-764.87	0.58	-18.99	-2.98e-05
		1	2	0.0	-11.58	26.32	-756.48	-62.19	43.15	1.95e-04
2186	PALO D 100.00	1	1	0.0	17.90	-0.50	-743.54	3.43	-20.01	-1.55e-04
		1	2	0.0	-9.64	25.49	-696.34	-58.53	37.39	6.55e-04
2191	PALO D 100.00	1	1	0.0	27.35	1.51	-964.96	-5.36	-62.73	-6.41e-06
		1	2	0.0	-6.22	28.75	-889.56	-69.69	8.66	8.80e-04
2195	PALO D 100.00	1	1	0.0	27.27	1.05	-978.43	-3.40	-62.53	-2.30e-05
		1	2	0.0	-4.56	28.68	-857.45	-69.49	4.13	4.17e-04
2196	PALO D 100.00	1	1	0.0	27.11	0.40	-975.76	-0.70	-62.05	-2.64e-05
		1	2	0.0	-3.12	28.24	-816.85	-67.70	0.73	2.55e-04
2200	PALO D 100.00	1	1	0.0	27.14	-0.40	-958.06	2.69	-62.64	-3.57e-05
		1	2	0.0	-1.61	27.59	-765.41	-64.88	-3.04	2.34e-04
2204	PALO D 100.00	1	1	0.0	27.19	-1.61	-914.05	8.18	-63.36	-2.42e-04
		1	2	0.0	0.02	26.49	-691.05	-59.87	-7.25	1.02e-03
2237	PALO D 100.00	1	1	0.0	36.79	0.20	-652.60	-2.39	-71.66	-4.02e-04
		1	2	0.0	9.81	28.49	-882.02	-70.83	-16.97	-1.49e-03
2238	PALO D 100.00	1	1	0.0	36.04	-0.32	-673.39	-0.01	-70.26	-2.33e-04

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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	2	0.0	7.34	27.87	-871.41	-68.03	-11.83	-6.57e-04
2239	PALO D 100.00	1	1	0.0	35.18	-0.67	-681.54	1.48	-68.68	-4.26e-04
		1	2	0.0	4.78	27.37	-844.49	-65.94	-6.44	-1.13e-03
2240	PALO D 100.00	1	1	0.0	34.35	-0.88	-683.90	2.31	-67.33	-2.53e-04
		1	2	0.0	2.15	26.92	-807.76	-64.09	-0.70	-6.25e-04
2241	PALO D 100.00	1	1	0.0	33.44	-1.27	-677.12	4.03	-65.87	-7.91e-04
		1	2	0.0	-0.77	26.18	-754.59	-60.77	6.35	-1.59e-03
2242	PALO D 100.00	1	1	0.0	48.80	-0.96	-804.58	0.85	-127.87	-3.28e-04
		1	2	0.0	21.07	25.05	-848.59	-61.12	-70.16	-1.23e-03
2243	PALO D 100.00	1	1	0.0	47.89	-1.46	-820.00	2.96	-125.95	-1.82e-04
		1	2	0.0	18.08	24.73	-825.17	-59.84	-62.77	-5.10e-04
2244	PALO D 100.00	1	1	0.0	46.85	-1.97	-822.67	5.08	-123.52	-3.28e-04
		1	2	0.0	14.77	24.34	-793.37	-58.26	-53.88	-8.82e-04
2245	PALO D 100.00	1	1	0.0	46.18	-2.63	-812.23	7.91	-122.90	-2.09e-04
		1	2	0.0	11.71	23.74	-750.72	-55.72	-46.16	-5.19e-04
2246	PALO D 100.00	1	1	0.0	45.75	-3.82	-776.07	13.28	-123.56	-6.63e-04
		1	2	0.0	8.91	22.56	-683.62	-50.39	-39.61	-1.33e-03
2263	PALO D 100.00	1	1	0.0	27.55	3.15	-917.03	-8.84	-29.27	-4.56e-04
		1	2	0.0	-12.08	49.10	-1276.43	-117.89	44.60	-6.21e-04
2266	PALO D 100.00	1	1	0.0	27.04	3.09	-929.83	-8.62	-28.26	-1.55e-04
		1	2	0.0	-12.42	49.32	-1231.06	-118.98	44.57	-1.72e-04
2280	PALO D 100.00	1	1	0.0	25.38	1.59	-923.03	-2.29	-25.90	-1.91e-04
		1	2	0.0	-12.99	47.45	-1041.55	-111.11	41.87	-1.71e-04
2302	PALO D 100.00	1	1	0.0	24.84	1.74	-908.08	-3.12	-25.36	-7.71e-04
		1	2	0.0	-13.48	47.17	-960.22	-109.99	42.44	-5.95e-04
2309	PALO D 100.00	1	1	0.0	40.93	1.78	-1305.46	-4.48	-91.87	-4.56e-04
		1	2	0.0	2.58	47.21	-1253.31	-111.36	-23.97	-6.21e-04
2312	PALO D 100.00	1	1	0.0	40.26	2.07	-1309.39	-6.03	-90.23	-1.55e-04
		1	2	0.0	1.87	47.94	-1190.84	-114.88	-22.40	-1.72e-04
2372	PALO D 100.00	1	1	0.0	38.29	-0.11	-1272.76	3.06	-86.54	-1.91e-04
		1	2	0.0	-1.14	46.13	-971.44	-107.32	-13.78	-1.71e-04
2375	PALO D 100.00	1	1	0.0	37.71	-0.53	-1235.96	4.84	-85.71	-7.71e-04
		1	2	0.0	-1.88	45.43	-876.48	-104.23	-11.95	-5.95e-04
2378	PALO D 100.00	1	1	0.0	26.07	2.20	-934.20	-4.92	-27.17	-1.38e-03
		1	2	0.0	-12.62	48.31	-1116.92	-114.81	41.96	-1.31e-03
2382	PALO D 100.00	1	1	0.0	39.43	1.28	-1309.01	-2.73	-88.10	-1.26e-03

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Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	2	0.0	0.74	47.40	-1126.24	-112.63	-18.96	-1.31e-03
2383	PALO D 100.00	1	1	0.0	26.49	2.50	-936.80	-6.07	-27.39	-1.26e-03
		1	2	0.0	-12.64	48.71	-1178.08	-116.39	43.81	-1.31e-03
2387	PALO D 100.00	1	1	0.0	38.96	0.81	-1298.08	-0.89	-87.68	-1.38e-03
		1	2	0.0	-0.16	47.03	-1056.72	-111.24	-16.50	-1.31e-03
2408	PALO D 100.00	1	1	0.0	54.60	-2.49	-606.75	5.36	-155.28	-1.26e-04
		1	2	0.0	24.99	21.72	-521.13	-52.42	-89.23	-4.84e-04
2409	PALO D 100.00	1	1	0.0	53.59	-2.56	-618.04	5.60	-152.95	-5.32e-05
		1	2	0.0	21.75	22.07	-500.74	-54.08	-80.77	-1.57e-04
2410	PALO D 100.00	1	1	0.0	52.46	-3.27	-617.69	8.71	-150.11	-3.29e-05
		1	2	0.0	18.30	21.68	-479.28	-52.38	-71.20	-8.75e-05
2411	PALO D 100.00	1	1	0.0	51.42	-4.28	-594.40	13.29	-147.83	-4.24e-05
		1	2	0.0	14.96	20.76	-440.26	-48.18	-62.13	-1.00e-04
2412	PALO D 100.00	1	1	0.0	50.26	-5.13	-542.64	17.19	-144.94	-2.72e-04
		1	2	0.0	11.71	19.69	-370.58	-43.24	-53.44	-5.36e-04
2422	PALO D 100.00	1	1	0.0	48.93	-1.73	-1316.05	7.17	-107.34	-2.58e-04
		1	2	0.0	9.69	44.52	-1016.35	-103.22	-34.83	-2.38e-04
2425	PALO D 100.00	1	1	0.0	48.07	-2.16	-1278.39	9.02	-105.87	-1.02e-03
		1	2	0.0	8.67	43.80	-920.40	-100.06	-32.35	-8.42e-04
2428	PALO D 100.00	1	1	0.0	37.05	1.03	-889.99	-2.05	-48.78	-1.87e-03
		1	2	0.0	-1.44	47.15	-1071.18	-111.96	20.08	-1.81e-03
2432	PALO D 100.00	1	1	0.0	50.64	-0.30	-1353.12	1.23	-110.24	-1.74e-03
		1	2	0.0	12.15	45.83	-1172.09	-108.69	-41.38	-1.78e-03
2437	PALO D 100.00	1	1	0.0	37.75	1.31	-892.28	-3.13	-49.67	-1.74e-03
		1	2	0.0	-1.18	47.54	-1132.13	-113.47	21.25	-1.78e-03
2458	PALO D 100.00	1	1	0.0	39.35	1.91	-873.14	-5.66	-52.88	-6.37e-04
		1	2	0.0	-0.07	47.88	-1231.37	-114.72	20.68	-8.03e-04
2461	PALO D 100.00	1	1	0.0	38.58	1.88	-885.33	-5.57	-51.19	-2.13e-04
		1	2	0.0	-0.68	48.12	-1185.27	-115.94	21.34	-2.31e-04
2475	PALO D 100.00	1	1	0.0	36.07	0.44	-879.40	0.50	-46.84	-2.58e-04
		1	2	0.0	-2.11	46.32	-996.29	-108.34	20.67	-2.38e-04
2478	PALO D 100.00	1	1	0.0	35.27	0.59	-865.10	-0.31	-45.75	-1.02e-03
		1	2	0.0	-2.86	46.03	-915.52	-107.20	21.80	-8.42e-04
2485	PALO D 100.00	1	1	0.0	52.72	0.23	-1349.28	-0.64	-115.49	-6.37e-04
		1	2	0.0	14.57	45.67	-1298.94	-107.54	-47.91	-8.03e-04
2488	PALO D 100.00	1	1	0.0	51.76	0.51	-1353.49	-2.17	-113.08	-2.13e-04

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	2	0.0	13.57	46.39	-1236.72	-111.04	-45.56	-2.31e-04
2506	PALO D 100.00	1	1	0.0	49.90	-0.79	-1341.92	3.13	-109.20	-1.87e-03
		1	2	0.0	10.97	45.45	-1102.26	-107.23	-38.29	-1.81e-03
Nodo					Fx	Fy	Fz	Mx	My	Mz
					-22.49	-5.13	-1353.49	-118.98	-155.28	-1.87e-03
					54.60	49.32	-330.14	17.19	83.64	1.02e-03

13.9 RISULTATI ELEMENTI TIPO TRAVE

13.9.1 LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

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

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

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

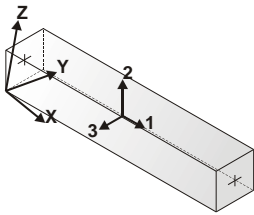
Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

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

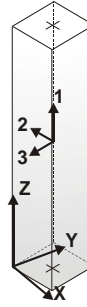
Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

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

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orientamento elementi 2D non verticali



orientamento elementi 2D verticali

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Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
398	1	-43.95	1.20	-2.51e-05	0.0	0.0	-552.28	8.01	1.09	-0.51	1.03	-45.15
		-45.15	1.03	-2.80e-06	0.0	15.0	-546.51	8.01	1.09	-0.51	1.20	-43.95
398	2	-3.82	34.95	9.57e-06	0.0	0.0	-588.76	-39.52	31.40	-0.74	30.24	-3.82
		-9.75	30.24	-5.43e-05	0.0	15.0	-582.99	-39.52	31.40	-0.74	34.95	-9.75
428	1	-7.33	25.03	7.47e-05	0.0	0.0	-552.47	-6.67	-98.56	-0.33	25.03	-7.33
		-18.00	-132.66	4.04e-04	0.0	160.0	-544.07	-6.67	-98.56	-0.33	-132.66	-18.00
428	2	64.05	-6.24	-2.55e-04	0.0	0.0	-516.18	23.42	-50.23	-0.14	-6.24	26.57
		26.57	-86.60	-6.62e-04	0.0	160.0	-507.78	23.42	-50.23	-0.14	-86.60	64.05
429	1	-8.22	24.03	7.56e-05	0.0	0.0	-509.26	-7.47	-96.37	-0.09	24.03	-8.22
		-20.17	-130.16	3.99e-04	0.0	160.0	-500.86	-7.47	-96.37	-0.09	-130.16	-20.17
429	2	64.76	-8.90	-2.49e-04	0.0	0.0	-507.52	23.69	-45.60	0.18	-8.90	26.86
		26.86	-81.86	6.91e-04	0.0	160.0	-499.12	23.69	-45.60	0.18	-81.86	64.76
430	1	-9.04	26.08	7.59e-05	0.0	0.0	-507.34	-8.22	-99.16	-0.32	26.08	-9.04
		-22.19	-132.59	3.88e-04	0.0	160.0	-498.94	-8.22	-99.16	-0.32	-132.59	-22.19
430	2	62.84	-9.20	-2.49e-04	0.0	0.0	-503.03	22.97	-45.07	0.07	-9.20	26.08
		26.08	-81.32	6.92e-04	0.0	160.0	-494.63	22.97	-45.07	0.07	-81.32	62.84
431	1	-10.07	31.33	7.51e-05	0.0	0.0	-554.92	-9.15	-107.40	0.05	31.33	-10.07
		-24.71	-140.51	3.81e-04	0.0	160.0	-546.52	-9.15	-107.40	0.05	-140.51	-24.71
431	2	57.43	-7.23	-2.56e-04	0.0	0.0	-587.39	20.97	-48.65	0.61	-7.23	23.87
		23.87	-85.08	6.83e-04	0.0	160.0	-578.99	20.97	-48.65	0.61	-85.08	57.43
432	1	4.40	66.83	-1.99e-05	0.0	0.0	-545.07	4.88	41.48	-2.42e-04	0.46	-3.41
		-3.41	0.46	7.88e-04	0.0	160.0	-536.67	4.88	41.48	-2.42e-04	66.83	4.40
432	2	32.81	76.54	-1.23e-04	0.0	0.0	-558.98	30.74	47.78	-8.03e-05	0.09	-16.37
		-16.37	0.09	6.02e-04	0.0	160.0	-550.58	30.74	47.78	-8.03e-05	76.54	32.81
433	1	7.17	65.50	-2.30e-05	0.0	0.0	-503.91	6.59	40.67	-4.27e-05	0.43	-3.37
		-3.37	0.43	7.77e-04	0.0	160.0	-495.51	6.59	40.67	-4.27e-05	65.50	7.17
433	2	37.05	73.81	-1.25e-04	0.0	0.0	-508.54	33.63	45.07	4.51e-05	1.69	-16.76
		-16.76	1.69	6.13e-04	0.0	160.0	-500.14	33.63	45.07	4.51e-05	73.81	37.05
434	1	10.57	67.39	-2.60e-05	0.0	0.0	-501.13	9.18	42.96	-6.51e-05	-1.34	-4.12
		-4.12	-1.34	7.55e-04	0.0	160.0	-492.73	9.18	42.96	-6.51e-05	67.39	10.57
434	2	40.25	74.79	-1.28e-04	0.0	0.0	-502.60	36.05	46.07	1.17e-05	1.08	-17.44
		-17.44	1.08	6.08e-04	0.0	160.0	-494.20	36.05	46.07	1.17e-05	74.79	40.25
435	1	13.88	72.97	-2.59e-05	0.0	0.0	-551.57	10.86	48.70	1.52e-04	-4.95	-3.50
		-3.50	-4.95	7.26e-04	0.0	160.0	-543.17	10.86	48.70	1.52e-04	72.97	13.88

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435	2	41.64	79.59	-1.28e-04	0.0	0.0	-541.44	36.21	50.64	2.66e-04	-1.44	-16.29
		-16.29	-1.44	5.93e-04	0.0	160.0	-533.04	36.21	50.64	2.66e-04	79.59	41.64
436	1	2.88	7.60	-9.04e-06	0.0	0.0	-637.04	-4.26	-96.16	-2.62e-04	7.60	2.88
		-3.94	-146.25	7.75e-04	0.0	160.0	-628.64	-4.26	-96.16	-2.62e-04	-146.25	-3.94
436	2	32.25	-16.47	-1.13e-04	0.0	0.0	-621.46	28.68	-60.94	-3.73e-04	-16.47	-13.64
		-13.64	-113.98	-1.16e-03	0.0	160.0	-613.06	28.68	-60.94	-3.73e-04	-113.98	32.25
437	1	2.96	6.25	-1.33e-05	0.0	0.0	-600.26	-5.68	-93.76	-5.09e-05	6.25	2.96
		-6.13	-143.76	7.78e-04	0.0	160.0	-591.86	-5.68	-93.76	-5.09e-05	-143.76	-6.13
437	2	31.83	-16.72	-1.08e-04	0.0	0.0	-595.77	28.69	-59.60	-1.03e-04	-16.72	-14.06
		-14.06	-112.08	-1.16e-03	0.0	160.0	-587.37	28.69	-59.60	-1.03e-04	-112.08	31.83
438	1	3.68	7.32	-1.63e-05	0.0	0.0	-597.11	-8.31	-95.25	-1.03e-04	7.32	3.68
		-9.61	-145.09	7.71e-04	0.0	160.0	-588.71	-8.31	-95.25	-1.03e-04	-145.09	-9.61
438	2	28.17	-15.03	-1.05e-04	0.0	0.0	-595.79	25.91	-61.58	-1.44e-04	-15.03	-13.28
		-13.28	-113.56	-1.13e-03	0.0	160.0	-587.39	25.91	-61.58	-1.44e-04	-113.56	28.17
439	1	3.07	11.37	-1.56e-05	0.0	0.0	-654.39	-10.32	-102.22	1.30e-04	11.37	3.07
		-13.45	-152.19	7.60e-04	0.0	160.0	-645.99	-10.32	-102.22	1.30e-04	-152.19	-13.45
439	2	22.24	-10.50	-1.06e-04	0.0	0.0	-666.91	22.28	-68.72	8.68e-05	-10.50	-13.41
		-13.41	-120.44	-1.10e-03	0.0	160.0	-658.51	22.28	-68.72	8.68e-05	-120.44	22.24
440	1	3.13	83.65	-1.51e-05	0.0	0.0	-635.78	3.63	28.62	-2.77e-04	37.86	-2.68
		-2.68	37.86	1.62e-03	0.0	160.0	-627.38	3.63	28.62	-2.77e-04	83.65	3.13
440	2	39.14	114.87	-1.36e-04	0.0	0.0	-651.33	36.41	62.44	-1.64e-04	14.97	-19.12
		-19.12	14.97	1.14e-03	0.0	160.0	-642.93	36.41	62.44	-1.64e-04	114.87	39.14
441	1	5.94	81.54	-2.00e-05	0.0	0.0	-596.12	5.50	26.93	-2.16e-05	38.46	-2.85
		-2.85	38.46	1.62e-03	0.0	160.0	-587.72	5.50	26.93	-2.16e-05	81.54	5.94
441	2	43.71	112.17	-1.41e-04	0.0	0.0	-600.60	39.69	59.69	3.37e-05	16.66	-19.80
		-19.80	16.66	1.15e-03	0.0	160.0	-592.20	39.69	59.69	3.37e-05	112.17	43.71
442	1	9.97	83.22	-2.44e-05	0.0	0.0	-592.64	8.63	28.94	-6.86e-05	36.91	-3.84
		-3.84	36.91	1.60e-03	0.0	160.0	-584.24	8.63	28.94	-6.86e-05	83.22	9.97
442	2	47.56	113.70	-1.45e-04	0.0	0.0	-593.96	42.68	61.23	-2.43e-05	15.72	-20.72
		-20.72	15.72	1.14e-03	0.0	160.0	-585.56	42.68	61.23	-2.43e-05	113.70	47.56
443	1	13.91	89.60	-2.53e-05	0.0	0.0	-646.60	10.81	35.34	2.64e-04	33.05	-3.39
		-3.39	33.05	1.57e-03	0.0	160.0	-638.20	10.81	35.34	2.64e-04	89.60	13.91
443	2	49.40	120.29	-1.46e-04	0.0	0.0	-634.11	43.23	67.47	3.08e-04	12.34	-19.78
		-19.78	12.34	1.12e-03	0.0	160.0	-625.71	43.23	67.47	3.08e-04	120.29	49.40
444	1	0.90	-2.60	-1.66e-06	0.0	0.0	-546.91	-0.05	-50.73	-1.30e-04	-2.60	0.90
		0.83	-83.77	5.10e-04	0.0	160.0	-538.51	-0.05	-50.73	-1.30e-04	-83.77	0.83
444	2	29.39	-4.51	-1.04e-04	0.0	0.0	-533.34	25.95	-42.53	-2.92e-04	-4.51	-12.13
		-12.13	-72.56	-6.63e-04	0.0	160.0	-524.94	25.95	-42.53	-2.92e-04	-72.56	29.39

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445	1	0.63	-4.21	-1.07e-06	0.0	0.0	-508.70	-1.09	-47.84	1.14e-05	-4.21	0.63
		-1.11	-80.76	5.14e-04	0.0	160.0	-500.30	-1.09	-47.84	1.14e-05	-80.76	-1.11
445	2	28.93	-4.51	-1.02e-04	0.0	0.0	-504.29	26.10	-41.50	-7.92e-05	-4.51	-12.83
		-12.83	-70.90	-6.53e-04	0.0	160.0	-495.89	26.10	-41.50	-7.92e-05	-70.90	28.93
446	1	1.12	-3.70	-2.87e-06	0.0	0.0	-506.00	-3.17	-48.50	-3.95e-05	-3.70	1.12
		-3.96	-81.30	5.10e-04	0.0	160.0	-497.60	-3.17	-48.50	-3.95e-05	-81.30	-3.96
446	2	25.88	-2.87	-9.96e-05	0.0	0.0	-504.66	23.84	-43.40	-1.19e-04	-2.87	-12.26
		-12.26	-72.30	-6.31e-04	0.0	160.0	-496.26	23.84	-43.40	-1.19e-04	-72.30	25.88
447	1	0.32	-0.92	3.45e-06	0.0	0.0	-559.88	-4.70	-53.19	1.85e-04	-0.92	0.32
		-7.21	-86.03	5.02e-04	0.0	160.0	-551.48	-4.70	-53.19	1.85e-04	-86.03	-7.21
447	2	20.71	0.97	-1.01e-04	0.0	0.0	-570.01	20.78	-49.19	7.13e-05	0.97	-12.54
		-12.54	-77.73	-5.98e-04	0.0	160.0	-561.61	20.78	-49.19	7.13e-05	-77.73	20.71
448	1	2.94	43.95	-2.20e-05	0.0	0.0	-546.51	1.09	-7.66	-0.51	43.95	1.20
		1.20	31.70	1.23e-03	0.0	160.0	-538.11	1.09	-7.66	-0.51	31.70	2.94
448	2	84.62	72.98	-3.51e-04	0.0	0.0	-582.99	31.04	39.52	-0.74	9.75	34.95
		34.95	9.75	-6.49e-04	0.0	160.0	-574.59	31.04	39.52	-0.74	72.98	84.62
449	1	4.94	44.30	-2.31e-05	0.0	0.0	-504.70	1.83	-9.12	-0.05	44.30	2.01
		2.01	29.71	1.22e-03	0.0	160.0	-496.30	1.83	-9.12	-0.05	29.71	4.94
449	2	89.51	72.81	-3.46e-04	0.0	0.0	-506.25	32.85	40.07	-0.41	8.70	36.95
		36.95	8.70	-6.26e-04	0.0	160.0	-497.85	32.85	40.07	-0.41	72.81	89.51
450	1	6.85	43.01	-2.34e-05	0.0	0.0	-501.71	2.54	-7.51	-0.05	43.01	2.79
		2.79	30.99	1.20e-03	0.0	160.0	-493.31	2.54	-7.51	-0.05	30.99	6.85
450	2	91.49	76.31	-3.47e-04	0.0	0.0	-505.72	33.59	44.30	-0.53	5.44	37.75
		37.75	5.44	-5.90e-04	0.0	160.0	-497.32	33.59	44.30	-0.53	76.31	91.49
451	1	9.60	40.32	-2.26e-05	0.0	0.0	-551.27	3.55	-3.13	0.56	40.32	3.91
		3.91	35.32	1.18e-03	0.0	160.0	-542.87	3.55	-3.13	0.56	35.32	9.60
451	2	91.34	84.19	-3.51e-04	0.0	0.0	-518.42	33.53	52.73	-0.10	-0.17	37.69
		37.69	-0.17	-5.48e-04	0.0	160.0	-510.02	33.53	52.73	-0.10	84.19	91.34
452	1	-25.03	-6.33	-4.73e-05	0.0	0.0	-558.24	98.92	-6.67	-0.33	-6.33	-39.87
		-39.87	-7.33	1.15e-05	0.0	15.0	-552.47	98.92	-6.67	-0.33	-7.33	-25.03
452	2	6.24	26.57	-1.25e-05	0.0	0.0	-521.95	50.23	23.78	-0.14	23.00	-1.30
		-1.30	23.00	-4.02e-05	0.0	15.0	-516.18	50.23	23.78	-0.14	26.57	6.24
453	1	-24.03	-7.10	-4.69e-05	0.0	0.0	-515.03	96.72	-7.47	-0.09	-7.10	-38.54
		-38.54	-8.22	1.22e-05	0.0	15.0	-509.26	96.72	-7.47	-0.09	-8.22	-24.03
453	2	8.90	26.86	-1.13e-05	0.0	0.0	-513.29	45.60	24.05	0.18	23.26	2.06
		2.06	23.26	-3.98e-05	0.0	15.0	-507.52	45.60	24.05	0.18	26.86	8.90
454	1	-26.08	-7.81	-4.80e-05	0.0	0.0	-513.11	99.52	-8.22	-0.32	-7.81	-41.01
		-41.01	-9.04	1.27e-05	0.0	15.0	-507.34	99.52	-8.22	-0.32	-9.04	-26.08

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454	2	9.20	26.08	-1.12e-05	0.0	0.0	-508.80	45.07	23.33	0.07	22.58	2.43
		2.43	22.58	-3.93e-05	0.0	15.0	-503.03	45.07	23.33	0.07	26.08	9.20
455	1	-31.33	-8.69	-5.04e-05	0.0	0.0	-560.69	107.76	-9.15	0.05	-8.69	-47.50
		-47.50	-10.07	1.33e-05	0.0	15.0	-554.92	107.76	-9.15	0.05	-10.07	-31.33
455	2	7.23	23.87	-1.21e-05	0.0	0.0	-593.16	48.65	21.33	0.61	20.67	-0.07
		-0.07	20.67	-3.86e-05	0.0	15.0	-587.39	48.65	21.33	0.61	23.87	7.23
456	1	12.20	-3.50	-2.06e-05	0.0	0.0	-557.34	-48.34	10.86	1.52e-04	-5.13	12.20
		4.95	-5.13	-3.34e-06	0.0	15.0	-551.57	-48.34	10.86	1.52e-04	-3.50	4.95
456	2	9.03	-16.29	-2.14e-06	0.0	0.0	-547.21	-50.64	36.56	2.66e-04	-21.77	9.03
		1.44	-21.77	-1.32e-05	0.0	15.0	-541.44	-50.64	36.56	2.66e-04	-16.29	1.44
457	1	-7.60	3.52	-3.58e-05	0.0	0.0	-642.81	96.51	-4.26	-2.62e-04	3.52	-22.08
		-22.08	2.88	0.0	0.0	15.0	-637.04	96.51	-4.26	-2.62e-04	2.88	-7.60
457	2	16.47	-13.64	-1.61e-06	0.0	0.0	-627.23	60.94	29.04	-3.73e-04	-17.99	7.33
		7.33	-17.99	-1.12e-05	0.0	15.0	-621.46	60.94	29.04	-3.73e-04	-13.64	16.47
458	1	-6.25	3.81	-3.51e-05	0.0	0.0	-606.03	94.11	-5.68	-5.09e-05	3.81	-20.37
		-20.37	2.96	-1.26e-06	0.0	15.0	-600.26	94.11	-5.68	-5.09e-05	2.96	-6.25
458	2	16.72	-14.06	-1.19e-06	0.0	0.0	-601.54	59.60	29.04	-1.03e-04	-18.42	7.78
		7.78	-18.42	-1.06e-05	0.0	15.0	-595.77	59.60	29.04	-1.03e-04	-14.06	16.72
459	1	7.73	-4.12	-2.21e-05	0.0	0.0	-506.90	-42.60	9.18	-6.51e-05	-5.50	7.73
		1.34	-5.50	-2.75e-06	0.0	15.0	-501.13	-42.60	9.18	-6.51e-05	-4.12	1.34
459	2	5.83	-17.44	0.0	0.0	0.0	-508.37	-46.07	36.41	1.17e-05	-22.90	5.83
		-1.08	-22.90	-1.27e-05	0.0	15.0	-502.60	-46.07	36.41	1.17e-05	-17.44	-1.08
460	1	-7.32	4.93	-3.56e-05	0.0	0.0	-602.88	95.61	-8.31	-1.03e-04	4.93	-21.66
		-21.66	3.68	-1.83e-06	0.0	15.0	-597.11	95.61	-8.31	-1.03e-04	3.68	-7.32
460	2	15.03	-13.28	-1.82e-06	0.0	0.0	-601.56	61.58	26.26	-1.44e-04	-17.22	5.80
		5.80	-17.22	-1.00e-05	0.0	15.0	-595.79	61.58	26.26	-1.44e-04	-13.28	15.03
461	1	5.62	-3.37	-2.29e-05	0.0	0.0	-509.68	-40.31	6.59	-4.27e-05	-4.36	5.62
		-0.43	-4.36	-2.21e-06	0.0	15.0	-503.91	-40.31	6.59	-4.27e-05	-3.37	-0.43
461	2	5.07	-16.76	0.0	0.0	0.0	-514.31	-45.07	33.99	4.51e-05	-21.86	5.07
		-1.69	-21.86	-1.22e-05	0.0	15.0	-508.54	-45.07	33.99	4.51e-05	-16.76	-1.69
462	1	5.71	-3.41	-2.29e-05	0.0	0.0	-550.84	-41.12	4.88	-2.42e-04	-4.14	5.71
		-0.46	-4.14	-1.52e-06	0.0	15.0	-545.07	-41.12	4.88	-2.42e-04	-3.41	-0.46
462	2	7.08	-16.37	-1.31e-06	0.0	0.0	-564.75	-47.78	31.09	-8.03e-05	-21.03	7.08
		-0.09	-21.03	-1.15e-05	0.0	15.0	-558.98	-47.78	31.09	-8.03e-05	-16.37	-0.09
463	1	-11.37	4.62	-3.74e-05	0.0	0.0	-660.16	102.58	-10.32	1.30e-04	4.62	-26.76
		-26.76	3.07	-2.47e-06	0.0	15.0	-654.39	102.58	-10.32	1.30e-04	3.07	-11.37
463	2	10.50	-13.41	-3.57e-06	0.0	0.0	-672.68	68.72	22.64	8.68e-05	-16.80	0.19
		0.19	-16.80	-9.28e-06	0.0	15.0	-666.91	68.72	22.64	8.68e-05	-13.41	10.50

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464	1	-33.62	-2.68	-3.16e-05	0.0	0.0	-641.55	-28.26	3.63	-2.77e-04	-3.23	-33.62
		-37.86	-3.23	-1.10e-06	0.0	15.0	-635.78	-28.26	3.63	-2.77e-04	-2.68	-37.86
464	2	-5.61	-19.12	2.26e-06	0.0	0.0	-657.10	-62.44	36.77	-1.64e-04	-24.63	-5.61
		-14.97	-24.63	-1.29e-05	0.0	15.0	-651.33	-62.44	36.77	-1.64e-04	-19.12	-14.97
465	1	0.92	1.02	-2.47e-05	0.0	0.0	-565.65	53.55	-4.70	1.85e-04	1.02	-7.11
		-7.11	0.32	-1.02e-06	0.0	15.0	-559.88	53.55	-4.70	1.85e-04	0.32	0.92
465	2	-0.97	-12.54	1.04e-06	0.0	0.0	-575.78	49.19	21.14	7.13e-05	-15.71	-8.35
		-8.35	-15.71	-8.86e-06	0.0	15.0	-570.01	49.19	21.14	7.13e-05	-12.54	-0.97
466	1	3.70	1.59	-2.36e-05	0.0	0.0	-511.77	48.86	-3.17	-3.95e-05	1.59	-3.62
		-3.62	1.12	0.0	0.0	15.0	-506.00	48.86	-3.17	-3.95e-05	1.12	3.70
466	2	2.87	-12.26	0.0	0.0	0.0	-510.43	43.40	24.20	-1.19e-04	-15.89	-3.64
		-3.64	-15.89	-9.49e-06	0.0	15.0	-504.66	43.40	24.20	-1.19e-04	-12.26	2.87
467	1	-32.62	-3.84	-3.14e-05	0.0	0.0	-598.41	-28.59	8.63	-6.86e-05	-5.14	-32.62
		-36.91	-5.14	-2.59e-06	0.0	15.0	-592.64	-28.59	8.63	-6.86e-05	-3.84	-36.91
467	2	-6.54	-20.72	2.04e-06	0.0	0.0	-599.73	-61.23	43.04	-2.43e-05	-27.18	-6.54
		-15.72	-27.18	-1.44e-05	0.0	15.0	-593.96	-61.23	43.04	-2.43e-05	-20.72	-15.72
468	1	4.21	0.79	-2.34e-05	0.0	0.0	-514.47	48.20	-1.09	1.14e-05	0.79	-3.02
		-3.02	0.63	0.0	0.0	15.0	-508.70	48.20	-1.09	1.14e-05	0.63	4.21
468	2	4.51	-12.83	0.0	0.0	0.0	-510.06	41.50	26.45	-7.92e-05	-16.80	-1.72
		-1.72	-16.80	-9.94e-06	0.0	15.0	-504.29	41.50	26.45	-7.92e-05	-12.83	4.51
469	1	-34.47	-2.85	-3.21e-05	0.0	0.0	-601.89	-26.57	5.50	-2.16e-05	-3.68	-34.47
		-38.46	-3.68	-1.90e-06	0.0	15.0	-596.12	-26.57	5.50	-2.16e-05	-2.85	-38.46
469	2	-7.71	-19.80	1.54e-06	0.0	0.0	-606.37	-59.69	40.05	3.37e-05	-25.80	-7.71
		-16.66	-25.80	-1.37e-05	0.0	15.0	-600.60	-59.69	40.05	3.37e-05	-19.80	-16.66
470	1	2.60	0.91	-2.43e-05	0.0	0.0	-552.68	51.09	-0.05	-1.30e-04	0.91	-5.06
		-5.06	0.90	0.0	0.0	15.0	-546.91	51.09	-0.05	-1.30e-04	0.90	2.60
470	2	4.51	-12.13	0.0	0.0	0.0	-539.11	42.53	26.31	-2.92e-04	-16.08	-1.87
		-1.87	-16.08	-1.04e-05	0.0	15.0	-533.34	42.53	26.31	-2.92e-04	-12.13	4.51
471	1	-27.80	-3.39	-2.98e-05	0.0	0.0	-652.37	-34.98	10.81	2.64e-04	-5.01	-27.80
		-33.05	-5.01	-3.31e-06	0.0	15.0	-646.60	-34.98	10.81	2.64e-04	-3.39	-33.05
471	2	-2.22	-19.78	3.76e-06	0.0	0.0	-639.88	-67.47	43.59	3.08e-04	-26.32	-2.22
		-12.34	-26.32	-1.50e-05	0.0	15.0	-634.11	-67.47	43.59	3.08e-04	-19.78	-12.34
472	1	-40.32	3.91	-2.33e-05	0.0	0.0	-557.04	3.48	3.55	0.56	3.38	-40.84
		-40.84	3.38	-4.45e-06	0.0	15.0	-551.27	3.48	3.55	0.56	3.91	-40.32
472	2	8.08	37.69	1.44e-05	0.0	0.0	-524.19	-52.73	33.89	-0.10	32.61	8.08
		0.17	32.61	-5.61e-05	0.0	15.0	-518.42	-52.73	33.89	-0.10	37.69	0.17
473	1	-43.01	2.79	-2.47e-05	0.0	0.0	-507.48	7.87	2.54	-0.05	2.41	-44.19
		-44.19	2.41	-3.92e-06	0.0	15.0	-501.71	7.87	2.54	-0.05	2.79	-43.01

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473	2	1.21	37.75	1.17e-05	0.0	0.0	-511.49	-44.30	33.94	-0.53	32.66	1.21
		-5.44	32.66	-5.57e-05	0.0	15.0	-505.72	-44.30	33.94	-0.53	37.75	-5.44
474	1	-44.30	2.01	-2.53e-05	0.0	0.0	-510.47	9.48	1.83	-0.05	1.74	-45.73
		-45.73	1.74	-3.41e-06	0.0	15.0	-504.70	9.48	1.83	-0.05	2.01	-44.30
474	2	-2.69	36.95	1.01e-05	0.0	0.0	-512.02	-40.07	33.21	-0.41	31.96	-2.69
		-8.70	31.96	-5.52e-05	0.0	15.0	-506.25	-40.07	33.21	-0.41	36.95	-8.70
475	1	-47.50	1.24e-03	-2.64e-04	0.0	0.0	-572.33	108.20	-9.15	0.05	1.24e-03	-150.29
		-150.29	-8.69	8.81e-05	0.0	95.0	-560.69	108.20	-9.15	0.05	-8.69	-47.50
475	2	-0.07	20.67	-6.62e-05	0.0	0.0	-604.80	48.65	21.77	0.61	-3.36e-03	-46.29
		-46.29	-3.36e-03	-2.54e-04	0.0	95.0	-593.16	48.65	21.77	0.61	20.67	-0.07
476	1	-41.01	6.29e-04	-2.55e-04	0.0	0.0	-524.75	99.96	-8.22	-0.32	6.29e-04	-135.97
		-135.97	-7.81	8.41e-05	0.0	95.0	-513.11	99.96	-8.22	-0.32	-7.81	-41.01
476	2	2.43	22.58	-6.28e-05	0.0	0.0	-520.44	45.07	23.77	0.07	-1.88e-03	-40.39
		-40.39	-1.88e-03	-2.59e-04	0.0	95.0	-508.80	45.07	23.77	0.07	22.58	2.43
477	1	-38.54	6.05e-04	-2.50e-04	0.0	0.0	-526.67	97.16	-7.47	-0.09	6.05e-04	-130.84
		-130.84	-7.10	8.04e-05	0.0	95.0	-515.03	97.16	-7.47	-0.09	-7.10	-38.54
477	2	2.06	23.26	-6.33e-05	0.0	0.0	-524.93	45.60	24.48	0.18	-1.90e-03	-41.26
		-41.26	-1.90e-03	-2.63e-04	0.0	95.0	-513.29	45.60	24.48	0.18	23.26	2.06
478	1	-39.87	1.04e-03	-2.51e-04	0.0	0.0	-569.88	99.35	-6.67	-0.33	1.04e-03	-134.26
		-134.26	-6.33	7.60e-05	0.0	95.0	-558.24	99.35	-6.67	-0.33	-6.33	-39.87
478	2	-1.30	23.00	-6.79e-05	0.0	0.0	-533.58	50.23	24.22	-0.14	-3.53e-03	-49.01
		-49.01	-3.53e-03	-2.65e-04	0.0	95.0	-521.95	50.23	24.22	-0.14	23.00	-1.30
479	1	-22.08	7.57	-1.91e-04	0.0	0.0	-654.44	96.95	-4.26	-2.62e-04	7.57	-114.18
		-114.18	3.52	-1.15e-06	0.0	95.0	-642.81	96.95	-4.26	-2.62e-04	3.52	-22.08
479	2	7.33	-17.99	2.87e-06	0.0	0.0	-638.86	60.94	29.47	-3.73e-04	-45.99	-50.56
		-50.56	-45.99	-5.25e-05	0.0	95.0	-627.23	60.94	29.47	-3.73e-04	-17.99	7.33
480	1	57.71	-5.13	-1.49e-04	0.0	0.0	-568.98	-47.90	10.86	1.52e-04	-15.44	57.71
		12.20	-15.44	-1.53e-05	0.0	95.0	-557.34	-47.90	10.86	1.52e-04	-5.13	12.20
480	2	57.14	-21.77	-7.18e-06	0.0	0.0	-558.85	-50.64	37.00	2.66e-04	-56.92	57.14
		9.03	-56.92	-6.08e-05	0.0	95.0	-547.21	-50.64	37.00	2.66e-04	-21.77	9.03
481	1	47.79	-5.50	-1.54e-04	0.0	0.0	-518.54	-42.16	9.18	-6.51e-05	-14.22	47.79
		7.73	-14.22	-1.17e-05	0.0	95.0	-506.90	-42.16	9.18	-6.51e-05	-5.50	7.73
481	2	49.59	-22.90	-8.75e-06	0.0	0.0	-520.01	-46.07	36.85	1.17e-05	-57.90	49.59
		5.83	-57.90	-5.70e-05	0.0	95.0	-508.37	-46.07	36.85	1.17e-05	-22.90	5.83
482	1	-20.37	9.20	-1.88e-04	0.0	0.0	-617.66	94.55	-5.68	-5.09e-05	9.20	-110.19
		-110.19	3.81	-4.20e-06	0.0	95.0	-606.03	94.55	-5.68	-5.09e-05	3.81	-20.37
482	2	7.78	-18.42	3.48e-06	0.0	0.0	-613.18	59.60	29.48	-1.03e-04	-46.43	-48.84
		-48.84	-46.43	-4.85e-05	0.0	95.0	-601.54	59.60	29.48	-1.03e-04	-18.42	7.78

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483	1	-21.66	12.82	-1.90e-04	0.0	0.0	-614.52	96.05	-8.31	-1.03e-04	12.82	-112.90
		-112.90	4.93	-6.46e-06	0.0	95.0	-602.88	96.05	-8.31	-1.03e-04	4.93	-21.66
483	2	5.80	-17.22	3.10e-06	0.0	0.0	-613.20	61.58	26.70	-1.44e-04	-42.58	-52.70
		-52.70	-42.58	-4.62e-05	0.0	95.0	-601.56	61.58	26.70	-1.44e-04	-17.22	5.80
484	1	43.50	-4.36	-1.57e-04	0.0	0.0	-521.32	-39.88	6.59	-4.27e-05	-10.62	43.50
		5.62	-10.62	-9.59e-06	0.0	95.0	-509.68	-39.88	6.59	-4.27e-05	-4.36	5.62
484	2	47.88	-21.86	-9.52e-06	0.0	0.0	-525.95	-45.07	34.42	4.51e-05	-54.56	47.88
		5.07	-54.56	-5.50e-05	0.0	95.0	-514.31	-45.07	34.42	4.51e-05	-21.86	5.07
485	1	44.36	-4.14	-1.57e-04	0.0	0.0	-562.48	-40.69	4.88	-2.42e-04	-8.77	44.36
		5.71	-8.77	-5.79e-06	0.0	95.0	-550.84	-40.69	4.88	-2.42e-04	-4.14	5.71
485	2	52.47	-21.03	-8.51e-06	0.0	0.0	-576.38	-47.78	31.53	-8.03e-05	-50.99	52.47
		7.08	-50.99	-5.14e-05	0.0	95.0	-564.75	-47.78	31.53	-8.03e-05	-21.03	7.08
486	1	-26.76	14.43	-1.97e-04	0.0	0.0	-671.80	103.02	-10.32	1.30e-04	14.43	-124.62
		-124.62	4.62	-1.03e-05	0.0	95.0	-660.16	103.02	-10.32	1.30e-04	4.62	-26.76
486	2	0.19	-16.80	-8.25e-06	0.0	0.0	-684.32	68.72	23.07	8.68e-05	-38.72	-65.09
		-65.09	-38.72	-4.24e-05	0.0	95.0	-672.68	68.72	23.07	8.68e-05	-16.80	0.19
487	1	5.02	-5.01	-1.77e-04	0.0	0.0	-664.01	-34.55	10.81	2.64e-04	-15.27	5.02
		-27.80	-15.27	-1.52e-05	0.0	95.0	-652.37	-34.55	10.81	2.64e-04	-5.01	-27.80
487	2	61.88	-26.32	1.11e-05	0.0	0.0	-651.52	-67.47	44.03	3.08e-04	-68.14	61.88
		-2.22	-68.14	-6.77e-05	0.0	95.0	-639.88	-67.47	44.03	3.08e-04	-26.32	-2.22
488	1	-5.06	0.95	-1.39e-04	0.0	0.0	-564.32	51.53	-0.05	-1.30e-04	0.95	-54.01
		-54.01	0.91	-3.68e-06	0.0	95.0	-552.68	51.53	-0.05	-1.30e-04	0.91	-5.06
488	2	-1.87	-16.08	1.50e-05	0.0	0.0	-550.74	42.53	26.75	-2.92e-04	-41.49	-42.28
		-42.28	-41.49	-4.95e-05	0.0	95.0	-539.11	42.53	26.75	-2.92e-04	-16.08	-1.87
489	1	-5.88	-5.14	-1.83e-04	0.0	0.0	-610.05	-28.15	8.63	-6.86e-05	-13.34	-5.88
		-32.62	-13.34	-1.11e-05	0.0	95.0	-598.41	-28.15	8.63	-6.86e-05	-5.14	-32.62
489	2	51.63	-27.18	4.50e-06	0.0	0.0	-611.37	-61.23	43.47	-2.43e-05	-68.48	51.63
		-6.54	-68.48	-6.35e-05	0.0	95.0	-599.73	-61.23	43.47	-2.43e-05	-27.18	-6.54
490	1	-3.02	1.82	-1.36e-04	0.0	0.0	-526.11	48.64	-1.09	1.14e-05	1.82	-49.23
		-49.23	0.79	0.0	0.0	95.0	-514.47	48.64	-1.09	1.14e-05	0.79	-3.02
490	2	-1.72	-16.80	1.61e-05	0.0	0.0	-521.69	41.50	26.89	-7.92e-05	-42.34	-41.14
		-41.14	-42.34	-4.58e-05	0.0	95.0	-510.06	41.50	26.89	-7.92e-05	-16.80	-1.72
491	1	-3.62	4.61	-1.37e-04	0.0	0.0	-523.41	49.29	-3.17	-3.95e-05	4.61	-50.45
		-50.45	1.59	-1.50e-06	0.0	95.0	-511.77	49.29	-3.17	-3.95e-05	1.59	-3.62
491	2	-3.64	-15.89	1.39e-05	0.0	0.0	-522.07	43.40	24.63	-1.19e-04	-39.30	-44.87
		-44.87	-39.30	-4.40e-05	0.0	95.0	-510.43	43.40	24.63	-1.19e-04	-15.89	-3.64
492	1	-9.65	-3.68	-1.85e-04	0.0	0.0	-613.53	-26.13	5.50	-2.16e-05	-8.90	-9.65
		-34.47	-8.90	-8.37e-06	0.0	95.0	-601.89	-26.13	5.50	-2.16e-05	-3.68	-34.47

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492	2	48.99	-25.80	-2.70e-06	0.0	0.0	-618.01	-59.69	40.48	3.37e-05	-64.26	48.99
		-7.71	-64.26	-6.08e-05	0.0	95.0	-606.37	-59.69	40.48	3.37e-05	-25.80	-7.71
493	1	-7.19	-3.23	-1.83e-04	0.0	0.0	-653.18	-27.82	3.63	-2.77e-04	-6.68	-7.19
		-33.62	-6.68	-3.99e-06	0.0	95.0	-641.55	-27.82	3.63	-2.77e-04	-3.23	-33.62
493	2	53.71	-24.63	4.97e-06	0.0	0.0	-668.73	-62.44	37.20	-1.64e-04	-59.97	53.71
		-5.61	-59.97	-5.67e-05	0.0	95.0	-657.10	-62.44	37.20	-1.64e-04	-24.63	-5.61
494	1	-7.11	5.49	-1.40e-04	0.0	0.0	-577.29	53.99	-4.70	1.85e-04	5.49	-58.40
		-58.40	1.02	-4.76e-06	0.0	95.0	-565.65	53.99	-4.70	1.85e-04	1.02	-7.11
494	2	-8.35	-15.71	1.06e-05	0.0	0.0	-587.42	49.19	21.57	7.13e-05	-36.20	-55.08
		-55.08	-36.20	-4.08e-05	0.0	95.0	-575.78	49.19	21.57	7.13e-05	-15.71	-8.35
495	1	-40.84	3.38	-1.19e-04	0.0	0.0	-568.68	3.92	3.55	0.56	-3.88e-04	-44.57
		-44.57	-3.88e-04	-2.98e-05	0.0	95.0	-557.04	3.92	3.55	0.56	3.38	-40.84
495	2	58.17	32.61	7.44e-05	0.0	0.0	-535.83	-52.73	34.33	-0.10	-4.81e-03	58.17
		8.08	-4.81e-03	-3.70e-04	0.0	95.0	-524.19	-52.73	34.33	-0.10	32.61	8.08
496	1	-44.19	2.41	-1.24e-04	0.0	0.0	-519.11	8.31	2.54	-0.05	-1.75e-04	-52.08
		-52.08	-1.75e-04	-2.60e-05	0.0	95.0	-507.48	8.31	2.54	-0.05	2.41	-44.19
496	2	43.29	32.66	6.41e-05	0.0	0.0	-523.13	-44.30	34.38	-0.53	-2.58e-03	43.29
		1.21	-2.58e-03	-3.68e-04	0.0	95.0	-511.49	-44.30	34.38	-0.53	32.66	1.21
497	1	-45.73	1.74	-1.27e-04	0.0	0.0	-522.11	9.91	1.83	-0.05	-1.57e-04	-55.14
		-55.14	-1.57e-04	-2.24e-05	0.0	95.0	-510.47	9.91	1.83	-0.05	1.74	-45.73
497	2	35.38	31.96	5.74e-05	0.0	0.0	-523.66	-40.07	33.65	-0.41	-2.55e-03	35.38
		-2.69	-2.55e-03	-3.64e-04	0.0	95.0	-512.02	-40.07	33.65	-0.41	31.96	-2.69
498	1	-45.15	1.03	-1.26e-04	0.0	0.0	-563.92	8.45	1.09	-0.51	-2.18e-04	-53.18
		-53.18	-2.18e-04	-1.82e-05	0.0	95.0	-552.28	8.45	1.09	-0.51	1.03	-45.15
498	2	33.73	30.24	5.49e-05	0.0	0.0	-600.39	-39.52	31.84	-0.74	-4.62e-03	33.73
		-3.82	-4.62e-03	-3.58e-04	0.0	95.0	-588.76	-39.52	31.84	-0.74	30.24	-3.82

Pilas.	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-150.29	-152.19	-1.16e-03	0.0	-684.32	-67.47	-107.40	-0.74
	91.49	120.29	1.62e-03	0.0	-492.73	108.20	67.47	0.61

Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
1	1	1475.20	42.74	-2.60e-04	-18.52	0.0	1781.84	78.40	30.25	5.38	12.79	1406.74
		1406.74	12.79	-2.46e-06	0.0	99.0	1781.84	59.88	30.25	5.38	42.74	1475.20
1	2	1464.74	49.35	-2.69e-04	-18.52	0.0	1777.41	80.97	30.97	5.37	18.68	1393.73
		1393.73	18.68	-6.03e-06	0.0	99.0	1777.41	62.45	30.97	5.37	49.35	1464.74
2	1	1491.73	74.32	-9.24e-05	-18.52	0.0	1811.29	51.18	31.89	4.13	42.74	1450.22

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		1450.22	42.74	-2.72e-06	0.0	99.0	1811.29	32.67	31.89	4.13	74.32	1491.73
2	2	1481.92	81.72	-1.02e-04	-18.52	0.0	1809.16	53.67	32.69	4.07	49.35	1437.94
		1437.94	49.35	-6.81e-06	0.0	99.0	1809.16	35.16	32.69	4.07	81.72	1481.92
3	1	530.58	-9.57	-1.29e-03	-18.52	0.0	352.37	415.05	-5.10	0.74	-9.57	128.75
		128.75	-14.62	-5.80e-06	0.0	99.0	352.37	396.53	-5.10	0.74	-14.62	530.58
3	2	514.40	-14.16	-1.29e-03	-18.52	0.0	322.68	416.38	-4.54	-0.02	-14.16	111.25
		111.25	-18.66	-5.31e-06	0.0	99.0	322.68	397.86	-4.54	-0.02	-18.66	514.40
4	1	702.98	-14.62	-1.24e-03	-18.52	0.0	595.70	379.46	-2.17	0.94	-14.62	336.39
		336.39	-16.77	-4.96e-06	0.0	99.0	595.70	360.95	-2.17	0.94	-16.77	702.98
4	2	691.80	-18.66	-1.24e-03	-18.52	0.0	564.12	382.83	-0.50	0.56	-18.66	321.87
		321.87	-19.15	-5.41e-06	0.0	99.0	564.12	364.31	-0.50	0.56	-19.15	691.80
5	1	859.62	-16.77	-1.17e-03	-18.52	0.0	813.17	342.78	-0.43	1.28	-16.77	529.36
		529.36	-17.20	-4.39e-06	0.0	99.0	813.17	324.26	-0.43	1.28	-17.20	859.62
5	2	850.05	-17.74	-1.17e-03	-18.52	0.0	782.76	345.59	1.43	1.11	-19.15	517.00
		517.00	-19.15	-5.33e-06	0.0	99.0	782.76	327.08	1.43	1.11	-17.74	850.05
6	1	1476.46	-10.93	-2.54e-04	-18.52	0.0	1769.86	-64.43	30.39	5.30	-41.03	1476.46
		1403.50	-41.03	-2.77e-06	0.0	99.0	1769.86	-82.94	30.39	5.30	-10.93	1403.50
6	2	1478.36	-4.29	-2.47e-04	-18.52	0.0	1741.94	-61.76	29.48	5.17	-33.48	1478.36
		1408.03	-33.48	-8.28e-06	0.0	99.0	1741.94	-80.28	29.48	5.17	-4.29	1408.03
7	1	1448.95	14.15	-4.17e-04	-18.52	0.0	1712.59	-102.58	25.34	5.61	-10.93	1448.95
		1338.20	-10.93	-2.60e-06	0.0	99.0	1712.59	-121.09	25.34	5.61	14.15	1338.20
7	2	1451.33	20.01	-4.11e-04	-18.52	0.0	1687.37	-99.90	24.55	5.40	-4.29	1451.33
		1343.24	-4.29	-8.56e-06	0.0	99.0	1687.37	-118.41	24.55	5.40	20.01	1343.24
8	1	1403.04	33.05	-5.74e-04	-18.52	0.0	1631.14	-142.77	19.08	5.15	14.15	1403.04
		1252.50	14.15	-2.41e-06	0.0	99.0	1631.14	-161.29	19.08	5.15	33.05	1252.50
8	2	1405.78	38.21	-5.68e-04	-18.52	0.0	1608.81	-140.06	18.37	4.89	20.01	1405.78
		1257.91	20.01	-8.79e-06	0.0	99.0	1608.81	-158.57	18.37	4.89	38.21	1257.91
9	1	1337.25	45.76	-7.22e-04	-18.52	0.0	1524.86	-183.36	12.84	4.13	33.05	1337.25
		1146.51	33.05	-2.27e-06	0.0	99.0	1524.86	-201.87	12.84	4.13	45.76	1146.51
9	2	1340.21	50.25	-7.17e-04	-18.52	0.0	1505.61	-180.59	12.16	3.82	38.21	1340.21
		1152.21	38.21	-9.06e-06	0.0	99.0	1505.61	-199.11	12.16	3.82	50.25	1152.21
10	1	1251.51	52.82	-8.59e-04	-18.52	0.0	1393.34	-223.98	7.13	2.72	45.76	1251.51
		1020.55	45.76	-2.18e-06	0.0	99.0	1393.34	-242.49	7.13	2.72	52.82	1020.55
10	2	1254.62	56.62	-8.54e-04	-18.52	0.0	1377.34	-221.15	6.43	2.38	50.25	1254.62
		1026.46	50.25	-9.34e-06	0.0	99.0	1377.34	-239.67	6.43	2.38	56.62	1026.46
11	1	1145.96	54.69	-9.83e-04	-18.52	0.0	1236.36	-264.61	1.89	1.08	52.82	1145.96
		874.76	52.82	-2.09e-06	0.0	99.0	1236.36	-283.13	1.89	1.08	54.69	874.76
11	2	1149.14	57.73	-9.78e-04	-18.52	0.0	1223.77	-261.71	1.12	0.73	56.62	1149.14

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		880.81	56.62	-9.56e-06	0.0	99.0	1223.77	-280.23	1.12	0.73	57.73	880.81
12	1	1020.83	54.69	-1.09e-03	-18.52	0.0	1053.62	-305.29	-3.09	-0.65	54.69	1020.83
		709.34	51.63	-1.89e-06	0.0	99.0	1053.62	-323.81	-3.09	-0.65	51.63	709.34
12	2	1024.03	57.73	-1.09e-03	-18.52	0.0	1044.60	-302.30	-3.98	-1.00	57.73	1024.03
		715.51	53.79	-9.64e-06	0.0	99.0	1044.60	-320.82	-3.98	-1.00	53.79	715.51
13	1	876.42	51.63	-1.18e-03	-18.52	0.0	844.79	-346.15	-7.93	-2.38	51.63	876.42
		524.48	43.78	-1.38e-06	0.0	99.0	844.79	-364.67	-7.93	-2.38	43.78	524.48
13	2	879.64	53.79	-1.18e-03	-18.52	0.0	839.44	-343.04	-8.98	-2.72	53.79	879.64
		530.77	44.89	-9.33e-06	0.0	99.0	839.44	-361.56	-8.98	-2.72	44.89	530.77
14	1	713.68	43.78	-1.25e-03	-18.52	0.0	608.64	-386.75	-13.03	-3.80	43.78	713.68
		321.54	30.87	-1.03e-06	0.0	99.0	608.64	-405.26	-13.03	-3.80	30.87	321.54
14	2	717.04	44.89	-1.25e-03	-18.52	0.0	606.91	-383.53	-14.25	-4.10	44.89	717.04
		328.08	30.79	-9.22e-06	0.0	99.0	606.91	-402.05	-14.25	-4.10	30.79	328.08
15	1	535.86	30.87	-1.30e-03	-18.52	0.0	339.97	-422.12	-18.61	-4.94	30.87	535.86
		108.69	12.45	0.0	0.0	99.0	339.97	-440.64	-18.61	-4.94	12.45	108.69
15	2	540.12	30.79	-1.30e-03	-18.52	0.0	341.19	-419.32	-19.76	-5.19	30.79	540.12
		115.72	11.22	-8.63e-06	0.0	99.0	341.19	-437.84	-19.76	-5.19	11.22	115.72
16	1	1449.24	5.89	-3.91e-04	-18.52	0.0	1695.04	113.18	-17.63	1.93	5.89	1346.34
		1346.34	-11.57	-1.66e-05	0.0	99.0	1695.04	94.66	-17.63	1.93	-11.57	1449.24
16	2	1460.50	11.70	-4.05e-04	-18.52	0.0	1693.26	115.20	-17.02	2.20	11.70	1355.59
		1355.59	-5.15	-1.09e-05	0.0	99.0	1693.26	96.68	-17.02	2.20	-5.15	1460.50
17	1	1471.36	-11.57	-2.28e-04	-18.52	0.0	1748.20	73.80	-23.64	2.14	-11.57	1407.44
		1407.44	-34.97	-1.60e-05	0.0	99.0	1748.20	55.29	-23.64	2.14	-34.97	1471.36
17	2	1483.43	-5.15	-2.40e-04	-18.52	0.0	1747.93	75.84	-22.96	2.35	-5.15	1417.50
		1417.50	-27.89	-1.07e-05	0.0	99.0	1747.93	57.32	-22.96	2.35	-27.89	1483.43
18	1	1481.55	-34.97	-6.22e-05	-18.52	0.0	1775.91	42.67	-28.25	2.95	-34.97	1448.46
		1448.46	-62.95	-1.50e-05	0.0	99.0	1775.91	24.15	-28.25	2.95	-62.95	1481.55
18	2	1494.21	-27.89	-7.21e-05	-18.52	0.0	1777.39	44.67	-27.51	3.08	-27.89	1459.14
		1459.14	-55.13	-1.02e-05	0.0	99.0	1777.39	26.16	-27.51	3.08	-55.13	1494.21
19	1	1465.34	-11.27	-2.75e-04	-18.52	0.0	1731.65	-64.59	30.05	5.35	-41.03	1465.34
		1392.21	-41.03	-1.27e-05	0.0	99.0	1731.65	-83.11	30.05	5.35	-11.27	1392.21
19	2	1476.73	-5.04	-2.66e-04	-18.52	0.0	1737.79	-62.19	29.48	5.33	-34.23	1476.73
		1405.98	-34.23	-8.95e-06	0.0	99.0	1737.79	-80.70	29.48	5.33	-5.04	1405.98
20	1	1437.72	13.47	-4.36e-04	-18.52	0.0	1674.30	-102.71	24.98	5.68	-11.27	1437.72
		1326.85	-11.27	-1.26e-05	0.0	99.0	1674.30	-121.23	24.98	5.68	13.47	1326.85
20	2	1449.57	19.20	-4.30e-04	-18.52	0.0	1682.85	-100.28	24.48	5.59	-5.04	1449.57
		1341.11	-5.04	-9.23e-06	0.0	99.0	1682.85	-118.79	24.48	5.59	19.20	1341.11
21	1	1391.73	31.95	-5.92e-04	-18.52	0.0	1592.79	-142.86	18.67	5.24	13.47	1391.73

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		1241.09	13.47	-1.24e-05	0.0	99.0	1592.79	-161.38	18.67	5.24	31.95	1241.09
21	2	1403.92	37.21	-5.87e-04	-18.52	0.0	1603.94	-140.40	18.19	5.10	19.20	1403.92
		1255.72	19.20	-9.46e-06	0.0	99.0	1603.94	-158.92	18.19	5.10	37.21	1255.72
22	1	1325.87	44.19	-7.39e-04	-18.52	0.0	1486.46	-183.40	12.36	4.25	31.95	1325.87
		1135.09	31.95	-1.22e-05	0.0	99.0	1486.46	-201.92	12.36	4.25	44.19	1135.09
22	2	1338.30	48.95	-7.35e-04	-18.52	0.0	1500.38	-180.90	11.86	4.07	37.21	1338.30
		1150.00	37.21	-9.73e-06	0.0	99.0	1500.38	-199.41	11.86	4.07	48.95	1150.00
23	1	1240.13	50.68	-8.74e-04	-18.52	0.0	1354.87	-223.98	6.56	2.89	44.19	1240.13
		1009.16	44.19	-1.21e-05	0.0	99.0	1354.87	-242.50	6.56	2.89	50.68	1009.16
23	2	1252.70	54.87	-8.72e-04	-18.52	0.0	1371.73	-221.42	5.98	2.67	48.95	1252.70
		1024.27	48.95	-1.00e-05	0.0	99.0	1371.73	-239.94	5.98	2.67	54.87	1024.27
24	1	1134.66	51.91	-9.97e-04	-18.52	0.0	1197.74	-264.58	1.24	1.31	50.68	1134.66
		863.49	50.68	-1.20e-05	0.0	99.0	1197.74	-283.09	1.24	1.31	51.91	863.49
24	2	1147.30	55.40	-9.96e-04	-18.52	0.0	1217.70	-261.95	0.53	1.08	54.87	1147.30
		878.74	54.87	-1.02e-05	0.0	99.0	1217.70	-280.46	0.53	1.08	55.40	878.74
25	1	1009.81	51.91	-1.10e-03	-18.52	0.0	1014.62	-305.20	-3.83	-0.33	51.91	1009.81
		698.42	48.12	-1.17e-05	0.0	99.0	1014.62	-323.72	-3.83	-0.33	48.12	698.42
25	2	1022.49	55.40	-1.10e-03	-18.52	0.0	1037.81	-302.48	-4.72	-0.58	55.40	1022.49
		713.79	50.72	-1.03e-05	0.0	99.0	1037.81	-321.00	-4.72	-0.58	50.72	713.79
26	1	866.19	48.12	-1.19e-03	-18.52	0.0	804.78	-345.92	-8.70	-1.98	48.12	866.19
		514.47	39.51	-1.10e-05	0.0	99.0	804.78	-364.44	-8.70	-1.98	39.51	514.47
26	2	878.83	50.72	-1.20e-03	-18.52	0.0	831.39	-343.09	-9.81	-2.25	50.72	878.83
		529.92	41.01	-9.84e-06	0.0	99.0	831.39	-361.60	-9.81	-2.25	41.01	529.92
27	1	706.13	39.51	-1.26e-03	-18.52	0.0	565.22	-386.61	-13.77	-3.22	39.51	706.13
		314.12	25.87	-1.09e-05	0.0	99.0	565.22	-405.13	-13.77	-3.22	25.87	314.12
27	2	718.48	41.01	-1.27e-03	-18.52	0.0	595.72	-383.62	-15.08	-3.54	41.01	718.48
		329.43	26.07	-9.67e-06	0.0	99.0	595.72	-402.14	-15.08	-3.54	26.07	329.43
28	1	539.80	25.87	-1.31e-03	-18.52	0.0	282.82	-425.19	-18.15	-4.17	25.87	539.80
		109.59	7.90	-1.03e-05	0.0	99.0	282.82	-443.70	-18.15	-4.17	7.90	109.59
28	2	550.26	26.07	-1.32e-03	-18.52	0.0	319.41	-422.00	-19.65	-4.46	26.07	550.26
		123.21	6.62	-9.18e-06	0.0	99.0	319.41	-440.52	-19.65	-4.46	6.62	123.21
29	1	433.37	7.90	-1.34e-03	-18.52	0.0	-129.69	-428.38	-22.04	-4.44	7.90	433.37
		0.0	-13.92	-1.01e-05	0.0	99.0	-129.69	-446.90	-22.04	-4.44	-13.92	0.0
29	2	432.01	6.62	-1.35e-03	-18.52	0.0	-73.89	-427.01	-22.21	-5.47	6.62	432.01
		0.0	-15.37	-6.31e-06	0.0	99.0	-73.89	-445.52	-22.21	-5.47	-15.37	0.0
30	1	0.08	1.76e-05	-0.01	-1.89	0.0	-0.21	0.95	-2.34e-05	3.64e-05	1.76e-05	-0.16
		-0.16	-5.51e-06	-2.70e-05	0.0	99.0	-0.21	-0.95	-2.34e-05	3.64e-05	-5.51e-06	-0.16
30	2	0.08	1.86e-05	-0.01	-1.89	0.0	-0.22	0.95	-2.44e-05	3.71e-05	1.86e-05	-0.16

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		-0.16	-5.59e-06	-1.84e-05	0.0	99.0	-0.22	-0.95	-2.44e-05	3.71e-05	-5.59e-06	-0.16
31	1	0.08	0.0	-0.01	-1.89	0.0	-0.33	0.95	4.48e-06	3.09e-05	-4.69e-06	-0.16
		-0.16	-4.69e-06	-2.60e-05	0.0	99.0	-0.33	-0.95	4.48e-06	3.09e-05	0.0	-0.16
31	2	0.08	0.0	-0.01	-1.89	0.0	-0.34	0.95	4.82e-06	3.20e-05	-4.80e-06	-0.16
		-0.16	-4.80e-06	-1.77e-05	0.0	99.0	-0.34	-0.95	4.82e-06	3.20e-05	0.0	-0.16
32	1	0.08	0.0	-0.01	-1.89	0.0	-0.44	0.95	-1.98e-06	2.16e-05	0.0	-0.16
		-0.16	-1.69e-06	-2.40e-05	0.0	99.0	-0.44	-0.95	-1.98e-06	2.16e-05	-1.69e-06	-0.16
32	2	0.08	0.0	-0.01	-1.89	0.0	-0.45	0.95	-2.09e-06	2.25e-05	0.0	-0.16
		-0.16	-1.58e-06	-1.60e-05	0.0	99.0	-0.45	-0.95	-2.09e-06	2.25e-05	-1.58e-06	-0.16
33	1	0.08	0.0	-0.01	-1.89	0.0	-0.54	0.95	0.0	1.46e-05	0.0	-0.16
		-0.16	-1.05e-06	-2.22e-05	0.0	99.0	-0.54	-0.95	0.0	1.46e-05	-1.05e-06	-0.16
33	2	0.08	0.0	-0.01	-1.89	0.0	-0.56	0.95	0.0	1.54e-05	0.0	-0.16
		-0.16	0.0	-1.45e-05	0.0	99.0	-0.56	-0.95	0.0	1.54e-05	0.0	-0.16
34	1	0.08	0.0	-0.01	-1.89	0.0	-0.63	0.95	0.0	9.86e-06	0.0	-0.16
		-0.16	-1.06e-06	-2.09e-05	0.0	99.0	-0.63	-0.95	0.0	9.86e-06	-1.06e-06	-0.16
34	2	0.08	0.0	-0.01	-1.89	0.0	-0.65	0.95	-1.02e-06	1.05e-05	0.0	-0.16
		-0.16	0.0	-1.36e-05	0.0	99.0	-0.65	-0.95	-1.02e-06	1.05e-05	0.0	-0.16
35	1	0.08	0.0	-0.01	-1.89	0.0	-0.71	0.95	0.0	6.10e-06	0.0	-0.16
		-0.16	0.0	-1.97e-05	0.0	99.0	-0.71	-0.95	0.0	6.10e-06	0.0	-0.16
35	2	0.08	0.0	-0.01	-1.89	0.0	-0.73	0.95	0.0	6.69e-06	0.0	-0.16
		-0.16	0.0	-1.28e-05	0.0	99.0	-0.73	-0.95	0.0	6.69e-06	0.0	-0.16
36	1	0.08	0.0	-0.01	-1.89	0.0	-0.77	0.95	0.0	2.20e-06	0.0	-0.16
		-0.16	0.0	-1.87e-05	0.0	99.0	-0.77	-0.95	0.0	2.20e-06	0.0	-0.16
36	2	0.08	0.0	-0.01	-1.89	0.0	-0.80	0.95	0.0	2.73e-06	0.0	-0.16
		-0.16	0.0	-1.22e-05	0.0	99.0	-0.80	-0.95	0.0	2.73e-06	0.0	-0.16
37	1	0.08	0.0	-0.01	-1.89	0.0	-0.82	0.95	-1.01e-06	-2.94e-06	0.0	-0.16
		-0.16	-1.11e-06	-1.78e-05	0.0	99.0	-0.82	-0.95	-1.01e-06	-2.94e-06	-1.11e-06	-0.16
37	2	0.08	0.0	-0.01	-1.89	0.0	-0.85	0.95	-1.08e-06	-2.47e-06	0.0	-0.16
		-0.16	0.0	-1.17e-05	0.0	99.0	-0.85	-0.95	-1.08e-06	-2.47e-06	0.0	-0.16
38	1	0.08	0.0	-0.01	-1.89	0.0	-0.86	0.95	1.65e-06	-9.93e-06	0.0	-0.16
		-0.16	0.0	-1.69e-05	0.0	99.0	-0.86	-0.95	1.65e-06	-9.93e-06	0.0	-0.16
38	2	0.08	1.09e-06	-0.01	-1.89	0.0	-0.89	0.95	1.66e-06	-9.52e-06	0.0	-0.16
		-0.16	0.0	-1.13e-05	0.0	99.0	-0.89	-0.95	1.66e-06	-9.52e-06	1.09e-06	-0.16
39	1	0.11	3.11e-05	-0.02	-2.26	0.0	-0.06	1.13	1.07e-04	1.85e-05	-9.59e-05	-0.22
		-0.22	-9.59e-05	-3.09e-05	0.0	118.5	-0.06	-1.13	1.07e-04	1.85e-05	3.11e-05	-0.22
39	2	0.11	3.70e-05	-0.02	-2.26	0.0	-0.04	1.13	1.28e-04	1.39e-05	-1.15e-04	-0.22
		-0.22	-1.15e-04	-2.44e-05	0.0	118.5	-0.04	-1.13	1.28e-04	1.39e-05	3.70e-05	-0.22
40	1	0.11	3.61e-06	-0.02	-2.26	0.0	-1.26	1.13	1.69e-05	3.19e-05	-1.64e-05	-0.22

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		-0.22	-1.64e-05	-8.81e-06	0.0	118.5	-1.26	-1.13	1.69e-05	3.19e-05	3.61e-06	-0.22
40	2	0.11	3.89e-06	-0.02	-2.26	0.0	-1.30	1.13	1.71e-05	3.18e-05	-1.64e-05	-0.22
		-0.22	-1.64e-05	-9.84e-06	0.0	118.5	-1.30	-1.13	1.71e-05	3.18e-05	3.89e-06	-0.22
41	1	2082.99	-52.02	-1.94e-04	-22.17	0.0	2503.79	-34.44	37.11	6.05	-96.01	2082.99
		2029.02	-96.01	-6.61e-06	0.0	118.5	2503.79	-56.60	37.11	6.05	-52.02	2029.02
41	2	2091.49	-43.79	-1.80e-04	-22.17	0.0	2484.65	-31.94	36.27	6.05	-86.78	2091.49
		2040.48	-86.78	-7.35e-06	0.0	118.5	2484.65	-54.11	36.27	6.05	-43.79	2040.48
42	1	2106.76	2.73	-1.87e-04	-22.17	0.0	2438.74	-49.06	3.78	5.64	-1.75	2106.76
		2035.46	-1.75	-7.50e-06	0.0	118.5	2438.74	-71.23	3.78	5.64	2.73	2035.46
42	2	2108.67	10.38	-1.72e-04	-22.17	0.0	2434.57	-46.74	3.40	5.60	6.34	2108.67
		2040.12	6.34	-7.98e-06	0.0	118.5	2434.57	-68.91	3.40	5.60	10.38	2040.12
43	1	2106.65	-6.61	-1.86e-04	-22.17	0.0	2441.32	-50.14	5.93	6.61	-13.63	2106.65
		2034.07	-13.63	-1.07e-05	0.0	118.5	2441.32	-72.31	5.93	6.61	-6.61	2034.07
43	2	2102.91	1.08	-1.71e-04	-22.17	0.0	2449.27	-48.20	5.54	6.55	-5.49	2102.91
		2032.64	-5.49	-1.09e-05	0.0	118.5	2449.27	-70.36	5.54	6.55	1.08	2032.64
44	1	2080.94	83.29	-1.76e-04	-22.17	0.0	2522.09	-23.68	-32.58	4.19	83.29	2080.94
		2039.73	44.67	-1.01e-05	0.0	118.5	2522.09	-45.85	-32.58	4.19	44.67	2039.73
44	2	2070.42	92.80	-1.60e-04	-22.17	0.0	2545.30	-21.63	-33.35	4.07	92.80	2070.42
		2031.64	53.26	-1.01e-05	0.0	118.5	2545.30	-43.80	-33.35	4.07	53.26	2031.64
45	1	549.62	16.99	-2.68e-03	-22.17	0.0	0.0	474.72	-27.47	-7.09	16.99	0.0
		0.0	-15.57	0.0	0.0	118.5	0.0	452.56	-27.47	-7.09	-15.57	549.62
45	2	513.10	15.60	-2.67e-03	-22.17	0.0	0.0	443.92	-28.95	-7.38	15.60	0.0
		0.0	-18.73	-7.86e-06	0.0	118.5	0.0	421.75	-28.95	-7.38	-18.73	513.10
46	1	525.16	1.22	-2.64e-03	-22.17	0.0	0.0	454.09	-18.18	-0.95	1.22	0.0
		0.0	-20.33	-1.01e-05	0.0	118.5	0.0	431.92	-18.18	-0.95	-20.33	525.16
46	2	489.38	-1.08	-2.64e-03	-22.17	0.0	0.0	423.91	-20.06	-1.45	-1.08	0.0
		0.0	-24.86	-1.76e-06	0.0	118.5	0.0	401.74	-20.06	-1.45	-24.86	489.38
47	1	524.93	-5.03	-2.64e-03	-22.17	0.0	0.0	453.90	-17.71	0.31	-5.03	0.0
		0.0	-26.03	-1.72e-05	0.0	118.5	0.0	431.73	-17.71	0.31	-26.03	524.93
47	2	489.20	-7.51	-2.65e-03	-22.17	0.0	0.0	423.76	-19.51	-0.16	-7.51	0.0
		0.0	-30.64	-9.06e-06	0.0	118.5	0.0	401.59	-19.51	-0.16	-30.64	489.20
48	1	552.86	-29.70	-2.70e-03	-22.17	0.0	0.0	477.46	-0.25	7.10	-29.70	0.0
		0.0	-30.01	-2.17e-05	0.0	118.5	0.0	455.29	-0.25	7.10	-30.01	552.86
48	2	516.97	-33.65	-2.72e-03	-22.17	0.0	0.0	447.18	-1.66	6.68	-33.65	0.0
		0.0	-35.62	-1.42e-05	0.0	118.5	0.0	425.02	-1.66	6.68	-35.62	516.97
49	1	0.08	5.35e-05	-0.01	-1.89	0.0	0.01	0.95	-6.86e-05	-1.91e-05	5.35e-05	-0.16
		-0.16	-1.45e-05	-7.08e-06	0.0	99.0	0.01	-0.95	-6.86e-05	-1.91e-05	-1.45e-05	-0.16
49	2	0.08	5.58e-05	-0.01	-1.89	0.0	0.02	0.95	-7.16e-05	-1.82e-05	5.58e-05	-0.16

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		-0.16	-1.51e-05	-8.88e-06	0.0	99.0	0.02	-0.95	-7.16e-05	-1.82e-05	-1.51e-05	-0.16
50	1	0.08	7.72e-06	-0.01	-1.89	0.0	-0.86	0.95	2.63e-05	-1.70e-05	-1.83e-05	-0.16
		-0.16	-1.83e-05	-1.35e-05	0.0	99.0	-0.86	-0.95	2.63e-05	-1.70e-05	7.72e-06	-0.16
50	2	0.08	7.70e-06	-0.01	-1.89	0.0	-0.83	0.95	2.55e-05	-1.71e-05	-1.75e-05	-0.16
		-0.16	-1.75e-05	-8.80e-06	0.0	99.0	-0.83	-0.95	2.55e-05	-1.71e-05	7.70e-06	-0.16
51	1	380.58	14.28	-1.31e-03	-18.52	0.0	0.0	393.59	-25.55	-5.35	14.28	0.0
		0.0	-11.02	-7.46e-06	0.0	99.0	0.0	375.07	-25.55	-5.35	-11.02	380.58
51	2	372.74	12.84	-1.31e-03	-18.52	0.0	0.0	385.66	-25.15	-5.23	12.84	0.0
		0.0	-12.07	-1.63e-06	0.0	99.0	0.0	367.15	-25.15	-5.23	-12.07	372.74
52	1	1481.15	65.77	-1.01e-04	-18.52	0.0	1775.88	-29.83	-28.70	2.85	65.77	1481.15
		1442.44	37.35	-1.50e-05	0.0	99.0	1775.88	-48.35	-28.70	2.85	37.35	1442.44
52	2	1479.70	73.41	-9.37e-05	-18.52	0.0	1812.96	-27.20	-29.42	2.84	73.41	1479.70
		1443.60	44.28	-1.02e-05	0.0	99.0	1812.96	-45.72	-29.42	2.84	44.28	1443.60
53	1	360.05	0.80	-1.28e-03	-18.52	0.0	0.0	372.86	-14.82	-0.61	0.80	0.0
		0.0	-13.87	-1.44e-05	0.0	99.0	0.0	354.34	-14.82	-0.61	-13.87	360.05
53	2	352.52	-1.50	-1.29e-03	-18.52	0.0	0.0	365.25	-13.89	-0.60	-1.50	0.0
		0.0	-15.26	-5.12e-06	0.0	99.0	0.0	346.73	-13.89	-0.60	-15.26	352.52
54	1	1479.21	-5.03	-1.05e-04	-18.52	0.0	1677.84	-44.29	5.97	4.58	-10.94	1479.21
		1426.18	-10.94	-1.53e-05	0.0	99.0	1677.84	-62.80	5.97	4.58	-5.03	1426.18
54	2	1482.67	0.51	-9.67e-05	-18.52	0.0	1703.94	-41.98	5.75	4.67	-5.19	1482.67
		1431.94	-5.19	-1.07e-05	0.0	99.0	1703.94	-60.49	5.75	4.67	0.51	1431.94
55	1	358.68	-4.20	-1.28e-03	-18.52	0.0	0.0	371.47	-15.09	0.51	-4.20	0.0
		0.0	-19.15	-1.94e-05	0.0	99.0	0.0	352.96	-15.09	0.51	-19.15	358.68
55	2	351.62	-6.61	-1.30e-03	-18.52	0.0	0.0	364.34	-14.04	0.53	-6.61	0.0
		0.0	-20.52	-1.02e-05	0.0	99.0	0.0	345.82	-14.04	0.53	-20.52	351.62
56	1	1480.36	5.02	-1.04e-04	-18.52	0.0	1678.23	-43.16	2.37	3.85	2.68	1480.36
		1428.46	2.68	-1.35e-05	0.0	99.0	1678.23	-61.67	2.37	3.85	5.02	1428.46
56	2	1486.54	10.49	-9.53e-05	-18.52	0.0	1693.56	-40.72	2.21	3.95	8.30	1486.54
		1437.05	8.30	-9.01e-06	0.0	99.0	1693.56	-59.24	2.21	3.95	10.49	1437.05
57	1	379.03	-21.61	-1.32e-03	-18.52	0.0	0.0	392.02	1.93	5.71	-23.51	0.0
		0.0	-23.51	-2.29e-05	0.0	99.0	0.0	373.50	1.93	5.71	-21.61	379.03
57	2	371.54	-23.09	-1.34e-03	-18.52	0.0	0.0	384.46	2.66	5.84	-25.73	0.0
		0.0	-25.73	-1.40e-05	0.0	99.0	0.0	365.94	2.66	5.84	-23.09	371.54
58	1	1483.37	-41.03	-1.08e-04	-18.52	0.0	1765.03	-37.34	31.69	4.12	-72.41	1483.37
		1437.22	-72.41	-1.29e-05	0.0	99.0	1765.03	-55.86	31.69	4.12	-41.03	1437.22
58	2	1494.19	-34.23	-9.86e-05	-18.52	0.0	1768.95	-34.99	31.02	4.16	-64.94	1494.19
		1450.37	-64.94	-8.57e-06	0.0	99.0	1768.95	-53.51	31.02	4.16	-34.23	1450.37
59	1	0.08	2.72e-05	-0.01	-1.89	0.0	-0.02	0.95	1.19e-04	1.74e-05	-9.05e-05	-0.16

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		-0.16	-9.05e-05	-2.98e-05	0.0	99.0	-0.02	-0.95	1.19e-04	1.74e-05	2.72e-05	-0.16
59	2	0.08	2.89e-05	-0.01	-1.89	0.0	-0.02	0.95	1.26e-04	1.66e-05	-9.61e-05	-0.16
		-0.16	-9.61e-05	-2.14e-05	0.0	99.0	-0.02	-0.95	1.26e-04	1.66e-05	2.89e-05	-0.16
60	1	0.08	2.83e-06	-0.01	-1.89	0.0	-0.87	0.95	1.67e-05	2.69e-05	-1.37e-05	-0.16
		-0.16	-1.37e-05	-1.39e-05	0.0	99.0	-0.87	-0.95	1.67e-05	2.69e-05	2.83e-06	-0.16
60	2	0.08	3.07e-06	-0.01	-1.89	0.0	-0.90	0.95	1.70e-05	2.69e-05	-1.38e-05	-0.16
		-0.16	-1.38e-05	-9.77e-06	0.0	99.0	-0.90	-0.95	1.70e-05	2.69e-05	3.07e-06	-0.16
61	1	0.08	1.45e-06	-0.01	-1.89	0.0	-0.88	0.95	-7.62e-06	-1.87e-05	1.45e-06	-0.16
		-0.16	-6.09e-06	-1.64e-05	0.0	99.0	-0.88	-0.95	-7.62e-06	-1.87e-05	-6.09e-06	-0.16
61	2	0.08	1.72e-06	-0.01	-1.89	0.0	-0.90	0.95	-7.89e-06	-1.84e-05	1.72e-06	-0.16
		-0.16	-6.08e-06	-1.12e-05	0.0	99.0	-0.90	-0.95	-7.89e-06	-1.84e-05	-6.08e-06	-0.16
62	1	0.08	1.83e-05	-0.01	-1.89	0.0	-0.87	0.95	2.63e-05	-1.69e-05	-7.66e-06	-0.16
		-0.16	-7.66e-06	-1.35e-05	0.0	99.0	-0.87	-0.95	2.63e-05	-1.69e-05	1.83e-05	-0.16
62	2	0.08	1.92e-05	-0.01	-1.89	0.0	-0.89	0.95	2.72e-05	-1.67e-05	-7.70e-06	-0.16
		-0.16	-7.70e-06	-8.74e-06	0.0	99.0	-0.89	-0.95	2.72e-05	-1.67e-05	1.92e-05	-0.16
63	1	0.08	1.90e-06	-0.01	-1.89	0.0	-0.88	0.95	-2.81e-06	3.03e-05	1.90e-06	-0.16
		-0.16	0.0	-1.19e-05	0.0	99.0	-0.88	-0.95	-2.81e-06	3.03e-05	0.0	-0.16
63	2	0.08	2.11e-06	-0.01	-1.89	0.0	-0.90	0.95	-2.83e-06	3.02e-05	2.11e-06	-0.16
		-0.16	0.0	-8.19e-06	0.0	99.0	-0.90	-0.95	-2.83e-06	3.02e-05	0.0	-0.16
64	1	0.08	0.0	-0.01	-1.89	0.0	-0.85	0.95	0.0	2.12e-05	0.0	-0.16
		-0.16	0.0	-1.19e-05	0.0	99.0	-0.85	-0.95	0.0	2.12e-05	0.0	-0.16
64	2	0.08	0.0	-0.01	-1.89	0.0	-0.88	0.95	0.0	2.10e-05	0.0	-0.16
		-0.16	0.0	-8.61e-06	0.0	99.0	-0.88	-0.95	0.0	2.10e-05	0.0	-0.16
65	1	0.08	0.0	-0.01	-1.89	0.0	-0.81	0.95	0.0	1.34e-05	0.0	-0.16
		-0.16	0.0	-1.16e-05	0.0	99.0	-0.81	-0.95	0.0	1.34e-05	0.0	-0.16
65	2	0.08	0.0	-0.01	-1.89	0.0	-0.83	0.95	0.0	1.32e-05	0.0	-0.16
		-0.16	0.0	-8.73e-06	0.0	99.0	-0.83	-0.95	0.0	1.32e-05	0.0	-0.16
66	1	0.08	0.0	-0.01	-1.89	0.0	-0.75	0.95	0.0	7.66e-06	0.0	-0.16
		-0.16	0.0	-1.12e-05	0.0	99.0	-0.75	-0.95	0.0	7.66e-06	0.0	-0.16
66	2	0.08	0.0	-0.01	-1.89	0.0	-0.77	0.95	0.0	7.40e-06	0.0	-0.16
		-0.16	0.0	-8.82e-06	0.0	99.0	-0.77	-0.95	0.0	7.40e-06	0.0	-0.16
67	1	0.08	0.0	-0.01	-1.89	0.0	-0.68	0.95	0.0	3.22e-06	0.0	-0.16
		-0.16	0.0	-1.09e-05	0.0	99.0	-0.68	-0.95	0.0	3.22e-06	0.0	-0.16
67	2	0.08	0.0	-0.01	-1.89	0.0	-0.70	0.95	0.0	2.89e-06	0.0	-0.16
		-0.16	0.0	-8.91e-06	0.0	99.0	-0.70	-0.95	0.0	2.89e-06	0.0	-0.16
68	1	0.08	0.0	-0.01	-1.89	0.0	-0.60	0.95	0.0	0.0	0.0	-0.16
		-0.16	0.0	-1.05e-05	0.0	99.0	-0.60	-0.95	0.0	0.0	0.0	-0.16
68	2	0.08	0.0	-0.01	-1.89	0.0	-0.61	0.95	0.0	-1.33e-06	0.0	-0.16

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

		-0.16	0.0	-8.85e-06	0.0	99.0	-0.61	-0.95	0.0	-1.33e-06	0.0	-0.16
69	1	0.08	0.0	-0.01	-1.89	0.0	-0.50	0.95	-1.24e-06	-5.68e-06	0.0	-0.16
		-0.16	-1.04e-06	-1.04e-05	0.0	99.0	-0.50	-0.95	-1.24e-06	-5.68e-06	-1.04e-06	-0.16
69	2	0.08	0.0	-0.01	-1.89	0.0	-0.51	0.95	-1.20e-06	-6.15e-06	0.0	-0.16
		-0.16	0.0	-8.94e-06	0.0	99.0	-0.51	-0.95	-1.20e-06	-6.15e-06	0.0	-0.16
70	1	0.08	0.0	-0.01	-1.89	0.0	-0.38	0.95	0.0	-1.18e-05	-1.13e-06	-0.16
		-0.16	-1.13e-06	-8.85e-06	0.0	99.0	-0.38	-0.95	0.0	-1.18e-05	0.0	-0.16
70	2	0.08	0.0	-0.01	-1.89	0.0	-0.38	0.95	0.0	-1.24e-05	-1.02e-06	-0.16
		-0.16	-1.02e-06	-7.64e-06	0.0	99.0	-0.38	-0.95	0.0	-1.24e-05	0.0	-0.16
71	1	0.08	0.0	-0.01	-1.89	0.0	-0.27	0.95	0.0	-1.94e-05	0.0	-0.16
		-0.16	-1.68e-06	-7.12e-06	0.0	99.0	-0.27	-0.95	0.0	-1.94e-05	-1.68e-06	-0.16
71	2	0.08	0.0	-0.01	-1.89	0.0	-0.27	0.95	-1.28e-06	-2.01e-05	0.0	-0.16
		-0.16	-2.05e-06	-5.81e-06	0.0	99.0	-0.27	-0.95	-1.28e-06	-2.01e-05	-2.05e-06	-0.16
72	1	0.08	7.97e-06	-0.01	-1.89	0.0	-0.16	0.95	1.03e-05	-2.59e-05	-2.25e-06	-0.16
		-0.16	-2.25e-06	-7.06e-06	0.0	99.0	-0.16	-0.95	1.03e-05	-2.59e-05	7.97e-06	-0.16
72	2	0.08	7.59e-06	-0.01	-1.89	0.0	-0.15	0.95	1.03e-05	-2.67e-05	-2.62e-06	-0.16
		-0.16	-2.62e-06	-5.08e-06	0.0	99.0	-0.15	-0.95	1.03e-05	-2.67e-05	7.59e-06	-0.16
73	1	0.08	1.22e-05	-0.01	-1.89	0.0	-0.02	0.95	-5.43e-05	-2.15e-05	1.22e-05	-0.16
		-0.16	-4.15e-05	-5.71e-06	0.0	99.0	-0.02	-0.95	-5.43e-05	-2.15e-05	-4.15e-05	-0.16
73	2	0.08	1.17e-05	-0.01	-1.89	0.0	-0.02	0.95	-5.36e-05	-2.20e-05	1.17e-05	-0.16
		-0.16	-4.13e-05	3.29e-06	0.0	99.0	-0.02	-0.95	-5.36e-05	-2.20e-05	-4.13e-05	-0.16
74	1	0.08	2.30e-06	-0.01	-1.89	0.0	-0.15	0.95	1.02e-05	-2.57e-05	-7.75e-06	-0.16
		-0.16	-7.75e-06	-3.85e-06	0.0	99.0	-0.15	-0.95	1.02e-05	-2.57e-05	2.30e-06	-0.16
74	2	0.08	2.21e-06	-0.01	-1.89	0.0	-0.15	0.95	1.15e-05	-2.38e-05	-9.16e-06	-0.16
		-0.16	-9.16e-06	-2.02e-06	0.0	99.0	-0.15	-0.95	1.15e-05	-2.38e-05	2.21e-06	-0.16
75	1	0.08	1.81e-06	-0.01	-1.89	0.0	-0.27	0.95	-1.16e-06	-1.95e-05	1.81e-06	-0.16
		-0.16	0.0	-3.62e-06	0.0	99.0	-0.27	-0.95	-1.16e-06	-1.95e-05	0.0	-0.16
75	2	0.08	2.03e-06	-0.01	-1.89	0.0	-0.27	0.95	-1.76e-06	-2.09e-05	2.03e-06	-0.16
		-0.16	0.0	-2.24e-06	0.0	99.0	-0.27	-0.95	-1.76e-06	-2.09e-05	0.0	-0.16
76	1	0.08	1.09e-06	-0.01	-1.89	0.0	-0.37	0.95	0.0	-1.18e-05	0.0	-0.16
		-0.16	0.0	-2.00e-06	0.0	99.0	-0.37	-0.95	0.0	-1.18e-05	1.09e-06	-0.16
76	2	0.08	1.20e-06	-0.01	-1.89	0.0	-0.37	0.95	1.06e-06	-1.31e-05	0.0	-0.16
		-0.16	0.0	0.0	0.0	99.0	-0.37	-0.95	1.06e-06	-1.31e-05	1.20e-06	-0.16
77	1	0.08	0.0	-0.01	-1.89	0.0	-0.49	0.95	-1.09e-06	-5.67e-06	0.0	-0.16
		-0.16	0.0	0.0	0.0	99.0	-0.49	-0.95	-1.09e-06	-5.67e-06	0.0	-0.16
77	2	0.08	1.08e-06	-0.01	-1.89	0.0	-0.48	0.95	0.0	-6.42e-06	1.08e-06	-0.16
		-0.16	0.0	0.0	0.0	99.0	-0.48	-0.95	0.0	-6.42e-06	0.0	-0.16
78	1	0.08	0.0	-0.01	-1.89	0.0	-0.59	0.95	0.0	0.0	0.0	-0.16

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

		-0.16	0.0	0.0	0.0	99.0	-0.59	-0.95	0.0	0.0	0.0	-0.16
78	2	0.08	0.0	-0.01	-1.89	0.0	-0.57	0.95	0.0	-1.21e-06	0.0	-0.16
		-0.16	0.0	-1.21e-06	0.0	99.0	-0.57	-0.95	0.0	-1.21e-06	0.0	-0.16
79	1	0.08	0.0	-0.01	-1.89	0.0	-0.67	0.95	0.0	3.29e-06	0.0	-0.16
		-0.16	0.0	0.0	0.0	99.0	-0.67	-0.95	0.0	3.29e-06	0.0	-0.16
79	2	0.08	0.0	-0.01	-1.89	0.0	-0.65	0.95	0.0	3.19e-06	0.0	-0.16
		-0.16	0.0	-2.04e-06	0.0	99.0	-0.65	-0.95	0.0	3.19e-06	0.0	-0.16
80	1	0.08	0.0	-0.01	-1.89	0.0	-0.74	0.95	0.0	7.74e-06	0.0	-0.16
		-0.16	0.0	0.0	0.0	99.0	-0.74	-0.95	0.0	7.74e-06	0.0	-0.16
80	2	0.08	0.0	-0.01	-1.89	0.0	-0.72	0.95	0.0	7.75e-06	0.0	-0.16
		-0.16	0.0	-2.81e-06	0.0	99.0	-0.72	-0.95	0.0	7.75e-06	0.0	-0.16
81	1	0.08	0.0	-0.01	-1.89	0.0	-0.80	0.95	0.0	1.35e-05	0.0	-0.16
		-0.16	0.0	-1.03e-06	0.0	99.0	-0.80	-0.95	0.0	1.35e-05	0.0	-0.16
81	2	0.08	0.0	-0.01	-1.89	0.0	-0.78	0.95	0.0	1.35e-05	0.0	-0.16
		-0.16	0.0	-3.65e-06	0.0	99.0	-0.78	-0.95	0.0	1.35e-05	0.0	-0.16
82	1	0.08	0.0	-0.01	-1.89	0.0	-0.84	0.95	0.0	2.12e-05	0.0	-0.16
		-0.16	0.0	-1.45e-06	0.0	99.0	-0.84	-0.95	0.0	2.12e-05	0.0	-0.16
82	2	0.08	0.0	-0.01	-1.89	0.0	-0.82	0.95	0.0	2.13e-05	0.0	-0.16
		-0.16	0.0	-4.49e-06	0.0	99.0	-0.82	-0.95	0.0	2.13e-05	0.0	-0.16
83	1	0.08	0.0	-0.01	-1.89	0.0	-0.86	0.95	-2.90e-06	3.04e-05	0.0	-0.16
		-0.16	-1.92e-06	-1.58e-06	0.0	99.0	-0.86	-0.95	-2.90e-06	3.04e-05	-1.92e-06	-0.16
83	2	0.08	1.15e-06	-0.01	-1.89	0.0	-0.84	0.95	-2.86e-06	3.04e-05	1.15e-06	-0.16
		-0.16	-1.68e-06	-5.06e-06	0.0	99.0	-0.84	-0.95	-2.86e-06	3.04e-05	-1.68e-06	-0.16
84	1	0.08	1.39e-05	-0.01	-1.89	0.0	-0.86	0.95	1.70e-05	2.70e-05	-2.87e-06	-0.16
		-0.16	-2.87e-06	-3.62e-06	0.0	99.0	-0.86	-0.95	1.70e-05	2.70e-05	1.39e-05	-0.16
84	2	0.08	1.38e-05	-0.01	-1.89	0.0	-0.84	0.95	1.65e-05	2.69e-05	-2.59e-06	-0.16
		-0.16	-2.59e-06	-7.49e-06	0.0	99.0	-0.84	-0.95	1.65e-05	2.69e-05	1.38e-05	-0.16
85	1	0.08	6.12e-06	-0.01	-1.89	0.0	-0.87	0.95	-7.58e-06	-1.88e-05	6.12e-06	-0.16
		-0.16	-1.39e-06	-6.50e-06	0.0	99.0	-0.87	-0.95	-7.58e-06	-1.88e-05	-1.39e-06	-0.16
85	2	0.08	6.10e-06	-0.01	-1.89	0.0	-0.84	0.95	-7.29e-06	-1.92e-05	6.10e-06	-0.16
		-0.16	-1.11e-06	-1.14e-05	0.0	99.0	-0.84	-0.95	-7.29e-06	-1.92e-05	-1.11e-06	-0.16
86	1	0.08	0.0	-0.01	-1.89	0.0	-0.85	0.95	1.66e-06	-1.00e-05	0.0	-0.16
		-0.16	0.0	-7.17e-06	0.0	99.0	-0.85	-0.95	1.66e-06	-1.00e-05	0.0	-0.16
86	2	0.08	1.05e-06	-0.01	-1.89	0.0	-0.83	0.95	1.66e-06	-1.05e-05	0.0	-0.16
		-0.16	0.0	-1.26e-05	0.0	99.0	-0.83	-0.95	1.66e-06	-1.05e-05	1.05e-06	-0.16
87	1	0.08	1.16e-06	-0.01	-1.89	0.0	-0.81	0.95	0.0	-3.04e-06	1.16e-06	-0.16
		-0.16	0.0	-8.18e-06	0.0	99.0	-0.81	-0.95	0.0	-3.04e-06	0.0	-0.16
87	2	0.08	1.32e-06	-0.01	-1.89	0.0	-0.79	0.95	0.0	-3.56e-06	1.32e-06	-0.16

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

		-0.16	0.0	-1.40e-05	0.0	99.0	-0.79	-0.95	0.0	-3.56e-06	0.0	-0.16
88	1	0.08	0.0	-0.01	-1.89	0.0	-0.76	0.95	0.0	2.09e-06	0.0	-0.16
		-0.16	0.0	-9.21e-06	0.0	99.0	-0.76	-0.95	0.0	2.09e-06	0.0	-0.16
88	2	0.08	0.0	-0.01	-1.89	0.0	-0.74	0.95	0.0	1.52e-06	0.0	-0.16
		-0.16	0.0	-1.55e-05	0.0	99.0	-0.74	-0.95	0.0	1.52e-06	0.0	-0.16
89	1	0.08	0.0	-0.01	-1.89	0.0	-0.70	0.95	0.0	5.99e-06	0.0	-0.16
		-0.16	0.0	-1.03e-05	0.0	99.0	-0.70	-0.95	0.0	5.99e-06	0.0	-0.16
89	2	0.08	1.09e-06	-0.01	-1.89	0.0	-0.68	0.95	0.0	5.36e-06	1.09e-06	-0.16
		-0.16	0.0	-1.70e-05	0.0	99.0	-0.68	-0.95	0.0	5.36e-06	0.0	-0.16
90	1	0.08	1.10e-06	-0.01	-1.89	0.0	-0.62	0.95	0.0	9.77e-06	1.10e-06	-0.16
		-0.16	0.0	-1.16e-05	0.0	99.0	-0.62	-0.95	0.0	9.77e-06	0.0	-0.16
90	2	0.08	1.24e-06	-0.01	-1.89	0.0	-0.60	0.95	0.0	9.07e-06	1.24e-06	-0.16
		-0.16	0.0	-1.87e-05	0.0	99.0	-0.60	-0.95	0.0	9.07e-06	0.0	-0.16
91	1	0.08	1.07e-06	-0.01	-1.89	0.0	-0.53	0.95	0.0	1.46e-05	1.07e-06	-0.16
		-0.16	0.0	-1.31e-05	0.0	99.0	-0.53	-0.95	0.0	1.46e-05	0.0	-0.16
91	2	0.08	1.21e-06	-0.01	-1.89	0.0	-0.52	0.95	0.0	1.38e-05	1.21e-06	-0.16
		-0.16	0.0	-2.05e-05	0.0	99.0	-0.52	-0.95	0.0	1.38e-05	0.0	-0.16
92	1	0.08	1.73e-06	-0.01	-1.89	0.0	-0.43	0.95	-2.03e-06	2.18e-05	1.73e-06	-0.16
		-0.16	0.0	-1.49e-05	0.0	99.0	-0.43	-0.95	-2.03e-06	2.18e-05	0.0	-0.16
92	2	0.08	1.83e-06	-0.01	-1.89	0.0	-0.41	0.95	-1.91e-06	2.08e-05	1.83e-06	-0.16
		-0.16	0.0	-2.27e-05	0.0	99.0	-0.41	-0.95	-1.91e-06	2.08e-05	0.0	-0.16
93	1	0.08	4.98e-06	-0.01	-1.89	0.0	-0.33	0.95	4.89e-06	3.12e-05	0.0	-0.16
		-0.16	0.0	-1.70e-05	0.0	99.0	-0.33	-0.95	4.89e-06	3.12e-05	4.98e-06	-0.16
93	2	0.08	4.82e-06	-0.01	-1.89	0.0	-0.32	0.95	4.50e-06	3.00e-05	0.0	-0.16
		-0.16	0.0	-2.51e-05	0.0	99.0	-0.32	-0.95	4.50e-06	3.00e-05	4.82e-06	-0.16
94	1	0.08	5.69e-06	-0.01	-1.89	0.0	-0.21	0.95	-2.49e-05	3.61e-05	5.69e-06	-0.16
		-0.16	-1.89e-05	-1.78e-05	0.0	99.0	-0.21	-0.95	-2.49e-05	3.61e-05	-1.89e-05	-0.16
94	2	0.08	5.58e-06	-0.01	-1.89	0.0	-0.20	0.95	-2.36e-05	3.54e-05	5.58e-06	-0.16
		-0.16	-1.78e-05	-2.62e-05	0.0	99.0	-0.20	-0.95	-2.36e-05	3.54e-05	-1.78e-05	-0.16
95	1	0.08	9.75e-05	-0.01	-1.89	0.0	-0.02	0.95	1.28e-04	1.53e-05	-2.95e-05	-0.16
		-0.16	-2.95e-05	-2.07e-05	0.0	99.0	-0.02	-0.95	1.28e-04	1.53e-05	9.75e-05	-0.16
95	2	0.08	9.09e-05	-0.01	-1.89	0.0	-0.02	0.95	1.20e-04	1.64e-05	-2.75e-05	-0.16
		-0.16	-2.75e-05	-2.89e-05	0.0	99.0	-0.02	-0.95	1.20e-04	1.64e-05	9.09e-05	-0.16
96	1	0.11	2.45e-06	-0.02	-2.26	0.0	-0.23	1.13	9.32e-06	-2.72e-05	-8.61e-06	-0.22
		-0.22	-8.61e-06	-1.28e-06	0.0	118.5	-0.23	-1.13	9.32e-06	-2.72e-05	2.45e-06	-0.22
96	2	0.11	2.51e-06	-0.02	-2.26	0.0	-0.22	1.13	9.76e-06	-2.66e-05	-9.06e-06	-0.22
		-0.22	-9.06e-06	-8.14e-06	0.0	118.5	-0.22	-1.13	9.76e-06	-2.66e-05	2.51e-06	-0.22
97	1	0.11	1.98e-06	-0.02	-2.26	0.0	-0.39	1.13	0.0	-2.10e-05	1.98e-06	-0.22

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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		-0.22	0.0	-1.08e-06	0.0	118.5	-0.39	-1.13	0.0	-2.10e-05	0.0	-0.22
97	2	0.11	2.32e-06	-0.02	-2.26	0.0	-0.38	1.13	-1.24e-06	-2.19e-05	2.32e-06	-0.22
		-0.22	0.0	-7.54e-06	0.0	118.5	-0.38	-1.13	-1.24e-06	-2.19e-05	0.0	-0.22
98	1	0.11	0.0	-0.02	-2.26	0.0	-0.55	1.13	0.0	-1.17e-05	0.0	-0.22
		-0.22	0.0	-1.93e-06	0.0	118.5	-0.55	-1.13	0.0	-1.17e-05	0.0	-0.22
98	2	0.11	0.0	-0.02	-2.26	0.0	-0.54	1.13	0.0	-1.21e-05	0.0	-0.22
		-0.22	0.0	-4.47e-06	0.0	118.5	-0.54	-1.13	0.0	-1.21e-05	0.0	-0.22
99	1	0.11	0.0	-0.02	-2.26	0.0	-0.73	1.13	0.0	-4.73e-06	0.0	-0.22
		-0.22	0.0	-3.43e-06	0.0	118.5	-0.73	-1.13	0.0	-4.73e-06	0.0	-0.22
99	2	0.11	0.0	-0.02	-2.26	0.0	-0.71	1.13	0.0	-4.65e-06	0.0	-0.22
		-0.22	0.0	-2.48e-06	0.0	118.5	-0.71	-1.13	0.0	-4.65e-06	0.0	-0.22
100	1	0.11	0.0	-0.02	-2.26	0.0	-0.86	1.13	0.0	0.0	0.0	-0.22
		-0.22	0.0	-3.34e-06	0.0	118.5	-0.86	-1.13	0.0	0.0	0.0	-0.22
100	2	0.11	0.0	-0.02	-2.26	0.0	-0.83	1.13	0.0	0.0	0.0	-0.22
		-0.22	0.0	-1.98e-06	0.0	118.5	-0.83	-1.13	0.0	0.0	0.0	-0.22
101	1	0.11	0.0	-0.02	-2.26	0.0	-0.98	1.13	0.0	4.85e-06	0.0	-0.22
		-0.22	0.0	-3.78e-06	0.0	118.5	-0.98	-1.13	0.0	4.85e-06	0.0	-0.22
101	2	0.11	0.0	-0.02	-2.26	0.0	-0.95	1.13	0.0	5.24e-06	0.0	-0.22
		-0.22	0.0	0.0	0.0	118.5	-0.95	-1.13	0.0	5.24e-06	0.0	-0.22
102	1	0.11	0.0	-0.02	-2.26	0.0	-1.07	1.13	0.0	9.26e-06	0.0	-0.22
		-0.22	0.0	-3.97e-06	0.0	118.5	-1.07	-1.13	0.0	9.26e-06	0.0	-0.22
102	2	0.11	0.0	-0.02	-2.26	0.0	-1.04	1.13	0.0	9.66e-06	0.0	-0.22
		-0.22	0.0	0.0	0.0	118.5	-1.04	-1.13	0.0	9.66e-06	0.0	-0.22
103	1	0.11	0.0	-0.02	-2.26	0.0	-1.15	1.13	-1.15e-06	1.47e-05	0.0	-0.22
		-0.22	0.0	-4.37e-06	0.0	118.5	-1.15	-1.13	-1.15e-06	1.47e-05	0.0	-0.22
103	2	0.11	1.12e-06	-0.02	-2.26	0.0	-1.12	1.13	-1.17e-06	1.51e-05	1.12e-06	-0.22
		-0.22	0.0	-1.02e-06	0.0	118.5	-1.12	-1.13	-1.17e-06	1.51e-05	0.0	-0.22
104	1	0.11	0.0	-0.02	-2.26	0.0	-1.21	1.13	0.0	2.27e-05	0.0	-0.22
		-0.22	0.0	-4.88e-06	0.0	118.5	-1.21	-1.13	0.0	2.27e-05	0.0	-0.22
104	2	0.11	1.01e-06	-0.02	-2.26	0.0	-1.18	1.13	0.0	2.30e-05	1.01e-06	-0.22
		-0.22	0.0	-2.28e-06	0.0	118.5	-1.18	-1.13	0.0	2.30e-05	0.0	-0.22
105	1	0.11	1.22e-06	-0.02	-2.26	0.0	-1.25	1.13	-2.89e-06	3.28e-05	1.22e-06	-0.22
		-0.22	-2.21e-06	-5.15e-06	0.0	118.5	-1.25	-1.13	-2.89e-06	3.28e-05	-2.21e-06	-0.22
105	2	0.11	1.48e-06	-0.02	-2.26	0.0	-1.21	1.13	-2.91e-06	3.30e-05	1.48e-06	-0.22
		-0.22	-1.97e-06	-3.33e-06	0.0	118.5	-1.21	-1.13	-2.91e-06	3.30e-05	-1.97e-06	-0.22
106	1	0.11	1.69e-05	-0.02	-2.26	0.0	-1.25	1.13	1.74e-05	3.20e-05	-3.70e-06	-0.22
		-0.22	-3.70e-06	-8.46e-06	0.0	118.5	-1.25	-1.13	1.74e-05	3.20e-05	1.69e-05	-0.22
106	2	0.11	1.69e-05	-0.02	-2.26	0.0	-1.22	1.13	1.71e-05	3.21e-05	-3.41e-06	-0.22

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		-0.22	-3.41e-06	-7.33e-06	0.0	118.5	-1.22	-1.13	1.71e-05	3.21e-05	1.69e-05	-0.22
107	1	0.11	6.92e-06	-0.02	-2.26	0.0	-1.25	1.13	-7.16e-06	-1.61e-05	6.92e-06	-0.22
		-0.22	-1.57e-06	-1.19e-05	0.0	118.5	-1.25	-1.13	-7.16e-06	-1.61e-05	-1.57e-06	-0.22
107	2	0.11	6.97e-06	-0.02	-2.26	0.0	-1.21	1.13	-6.93e-06	-1.65e-05	6.97e-06	-0.22
		-0.22	-1.24e-06	-1.27e-05	0.0	118.5	-1.21	-1.13	-6.93e-06	-1.65e-05	-1.24e-06	-0.22
108	1	0.11	0.0	-0.02	-2.26	0.0	-1.23	1.13	1.23e-06	-6.13e-06	0.0	-0.22
		-0.22	0.0	-1.32e-05	0.0	118.5	-1.23	-1.13	1.23e-06	-6.13e-06	0.0	-0.22
108	2	0.11	0.0	-0.02	-2.26	0.0	-1.19	1.13	1.23e-06	-6.62e-06	0.0	-0.22
		-0.22	0.0	-1.47e-05	0.0	118.5	-1.19	-1.13	1.23e-06	-6.62e-06	0.0	-0.22
109	1	0.11	1.24e-06	-0.02	-2.26	0.0	-1.18	1.13	-1.06e-06	0.0	1.24e-06	-0.22
		-0.22	0.0	-1.46e-05	0.0	118.5	-1.18	-1.13	-1.06e-06	0.0	0.0	-0.22
109	2	0.11	1.44e-06	-0.02	-2.26	0.0	-1.14	1.13	0.0	0.0	1.44e-06	-0.22
		-0.22	0.0	-1.69e-05	0.0	118.5	-1.14	-1.13	0.0	0.0	0.0	-0.22
110	1	0.11	0.0	-0.02	-2.26	0.0	-1.11	1.13	0.0	5.06e-06	0.0	-0.22
		-0.22	0.0	-1.60e-05	0.0	118.5	-1.11	-1.13	0.0	5.06e-06	0.0	-0.22
110	2	0.11	1.05e-06	-0.02	-2.26	0.0	-1.07	1.13	0.0	4.42e-06	1.05e-06	-0.22
		-0.22	0.0	-1.91e-05	0.0	118.5	-1.07	-1.13	0.0	4.42e-06	0.0	-0.22
111	1	0.11	1.05e-06	-0.02	-2.26	0.0	-1.01	1.13	0.0	8.29e-06	1.05e-06	-0.22
		-0.22	0.0	-1.75e-05	0.0	118.5	-1.01	-1.13	0.0	8.29e-06	0.0	-0.22
111	2	0.11	1.24e-06	-0.02	-2.26	0.0	-0.98	1.13	0.0	7.58e-06	1.24e-06	-0.22
		-0.22	0.0	-2.13e-05	0.0	118.5	-0.98	-1.13	0.0	7.58e-06	0.0	-0.22
112	1	0.11	1.26e-06	-0.02	-2.26	0.0	-0.90	1.13	-1.08e-06	1.14e-05	1.26e-06	-0.22
		-0.22	0.0	-1.93e-05	0.0	118.5	-0.90	-1.13	-1.08e-06	1.14e-05	0.0	-0.22
112	2	0.11	1.44e-06	-0.02	-2.26	0.0	-0.87	1.13	-1.03e-06	1.06e-05	1.44e-06	-0.22
		-0.22	0.0	-2.38e-05	0.0	118.5	-0.87	-1.13	-1.03e-06	1.06e-05	0.0	-0.22
113	1	0.11	1.23e-06	-0.02	-2.26	0.0	-0.78	1.13	0.0	1.57e-05	1.23e-06	-0.22
		-0.22	0.0	-2.14e-05	0.0	118.5	-0.78	-1.13	0.0	1.57e-05	0.0	-0.22
113	2	0.11	1.41e-06	-0.02	-2.26	0.0	-0.75	1.13	0.0	1.47e-05	1.41e-06	-0.22
		-0.22	0.0	-2.65e-05	0.0	118.5	-0.75	-1.13	0.0	1.47e-05	0.0	-0.22
114	1	0.11	1.78e-06	-0.02	-2.26	0.0	-0.62	1.13	-1.61e-06	2.30e-05	1.78e-06	-0.22
		-0.22	0.0	-2.41e-05	0.0	118.5	-0.62	-1.13	-1.61e-06	2.30e-05	0.0	-0.22
114	2	0.11	1.91e-06	-0.02	-2.26	0.0	-0.60	1.13	-1.45e-06	2.16e-05	1.91e-06	-0.22
		-0.22	0.0	-2.98e-05	0.0	118.5	-0.60	-1.13	-1.45e-06	2.16e-05	0.0	-0.22
115	1	0.11	6.11e-06	-0.02	-2.26	0.0	-0.47	1.13	5.08e-06	3.50e-05	0.0	-0.22
		-0.22	0.0	-2.77e-05	0.0	118.5	-0.47	-1.13	5.08e-06	3.50e-05	6.11e-06	-0.22
115	2	0.11	5.51e-06	-0.02	-2.26	0.0	-0.45	1.13	4.14e-06	3.27e-05	0.0	-0.22
		-0.22	0.0	-3.41e-05	0.0	118.5	-0.45	-1.13	4.14e-06	3.27e-05	5.51e-06	-0.22
116	1	0.11	6.62e-06	-0.02	-2.26	0.0	-0.31	1.13	-2.52e-05	4.23e-05	6.62e-06	-0.22

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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		-0.22	-2.33e-05	-2.87e-05	0.0	118.5	-0.31	-1.13	-2.52e-05	4.23e-05	-2.33e-05	-0.22
116	2	0.11	6.36e-06	-0.02	-2.26	0.0	-0.30	1.13	-2.25e-05	4.06e-05	6.36e-06	-0.22
		-0.22	-2.03e-05	-3.59e-05	0.0	118.5	-0.30	-1.13	-2.25e-05	4.06e-05	-2.03e-05	-0.22
117	1	0.11	1.29e-04	-0.02	-2.26	0.0	-0.02	1.13	1.44e-04	8.35e-06	-4.18e-05	-0.22
		-0.22	-4.18e-05	-3.40e-05	0.0	118.5	-0.02	-1.13	1.44e-04	8.35e-06	1.29e-04	-0.22
117	2	0.11	1.10e-04	-0.02	-2.26	0.0	-0.04	1.13	1.23e-04	1.31e-05	-3.57e-05	-0.22
		-0.22	-3.57e-05	-3.92e-05	0.0	118.5	-0.04	-1.13	1.23e-04	1.31e-05	1.10e-04	-0.22
118	1	0.08	1.40e-05	-0.01	-1.89	0.0	-0.20	0.95	-1.91e-05	3.64e-05	1.40e-05	-0.16
		-0.16	-4.97e-06	-1.77e-05	0.0	99.0	-0.20	-0.95	-1.91e-05	3.64e-05	-4.97e-06	-0.16
118	2	0.08	1.87e-05	-0.01	-1.89	0.0	-0.21	0.95	-2.49e-05	3.71e-05	1.87e-05	-0.16
		-0.16	-5.91e-06	-1.86e-05	0.0	99.0	-0.21	-0.95	-2.49e-05	3.71e-05	-5.91e-06	-0.16
119	1	0.08	0.0	-0.01	-1.89	0.0	-0.32	0.95	2.98e-06	2.90e-05	-3.75e-06	-0.16
		-0.16	-3.75e-06	-1.64e-05	0.0	99.0	-0.32	-0.95	2.98e-06	2.90e-05	0.0	-0.16
119	2	0.08	0.0	-0.01	-1.89	0.0	-0.34	0.95	5.17e-06	3.21e-05	-5.19e-06	-0.16
		-0.16	-5.19e-06	-1.75e-05	0.0	99.0	-0.34	-0.95	5.17e-06	3.21e-05	0.0	-0.16
120	1	0.08	0.0	-0.01	-1.89	0.0	-0.43	0.95	-1.71e-06	2.04e-05	0.0	-0.16
		-0.16	-1.69e-06	-1.41e-05	0.0	99.0	-0.43	-0.95	-1.71e-06	2.04e-05	-1.69e-06	-0.16
120	2	0.08	0.0	-0.01	-1.89	0.0	-0.45	0.95	-1.98e-06	2.25e-05	0.0	-0.16
		-0.16	-1.60e-06	-1.55e-05	0.0	99.0	-0.45	-0.95	-1.98e-06	2.25e-05	-1.60e-06	-0.16
121	1	0.08	0.0	-0.01	-1.89	0.0	-0.53	0.95	0.0	1.40e-05	0.0	-0.16
		-0.16	-1.08e-06	-1.22e-05	0.0	99.0	-0.53	-0.95	0.0	1.40e-05	-1.08e-06	-0.16
121	2	0.08	0.0	-0.01	-1.89	0.0	-0.55	0.95	0.0	1.53e-05	0.0	-0.16
		-0.16	0.0	-1.39e-05	0.0	99.0	-0.55	-0.95	0.0	1.53e-05	0.0	-0.16
122	1	0.08	0.0	-0.01	-1.89	0.0	-0.62	0.95	0.0	9.60e-06	0.0	-0.16
		-0.16	-1.07e-06	-1.09e-05	0.0	99.0	-0.62	-0.95	0.0	9.60e-06	-1.07e-06	-0.16
122	2	0.08	0.0	-0.01	-1.89	0.0	-0.65	0.95	0.0	1.03e-05	0.0	-0.16
		-0.16	0.0	-1.29e-05	0.0	99.0	-0.65	-0.95	0.0	1.03e-05	0.0	-0.16
123	1	0.08	0.0	-0.01	-1.89	0.0	-0.70	0.95	0.0	5.96e-06	0.0	-0.16
		-0.16	0.0	-9.72e-06	0.0	99.0	-0.70	-0.95	0.0	5.96e-06	0.0	-0.16
123	2	0.08	0.0	-0.01	-1.89	0.0	-0.73	0.95	0.0	6.49e-06	0.0	-0.16
		-0.16	0.0	-1.21e-05	0.0	99.0	-0.73	-0.95	0.0	6.49e-06	0.0	-0.16
124	1	0.08	0.0	-0.01	-1.89	0.0	-0.77	0.95	0.0	2.08e-06	0.0	-0.16
		-0.16	0.0	-8.72e-06	0.0	99.0	-0.77	-0.95	0.0	2.08e-06	0.0	-0.16
124	2	0.08	0.0	-0.01	-1.89	0.0	-0.79	0.95	0.0	2.52e-06	0.0	-0.16
		-0.16	0.0	-1.15e-05	0.0	99.0	-0.79	-0.95	0.0	2.52e-06	0.0	-0.16
125	1	0.08	0.0	-0.01	-1.89	0.0	-0.82	0.95	0.0	-3.07e-06	0.0	-0.16
		-0.16	-1.09e-06	-7.82e-06	0.0	99.0	-0.82	-0.95	0.0	-3.07e-06	-1.09e-06	-0.16
125	2	0.08	0.0	-0.01	-1.89	0.0	-0.85	0.95	-1.04e-06	-2.68e-06	0.0	-0.16

**VARIANTE DI CASALPUSTERLENGO ED ELIMINAZIONE PASSAGGIO
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		-0.16	0.0	-1.10e-05	0.0	99.0	-0.85	-0.95	-1.04e-06	-2.68e-06	0.0	-0.16
126	1	0.08	0.0	-0.01	-1.89	0.0	-0.86	0.95	1.64e-06	-1.01e-05	0.0	-0.16
		-0.16	0.0	-6.94e-06	0.0	99.0	-0.86	-0.95	1.64e-06	-1.01e-05	0.0	-0.16
126	2	0.08	1.08e-06	-0.01	-1.89	0.0	-0.89	0.95	1.66e-06	-9.73e-06	0.0	-0.16
		-0.16	0.0	-1.06e-05	0.0	99.0	-0.89	-0.95	1.66e-06	-9.73e-06	1.08e-06	-0.16
127	1	0.08	1.43e-06	-0.01	-1.89	0.0	-0.87	0.95	-7.49e-06	-1.89e-05	1.43e-06	-0.16
		-0.16	-5.99e-06	-6.40e-06	0.0	99.0	-0.87	-0.95	-7.49e-06	-1.89e-05	-5.99e-06	-0.16
127	2	0.08	1.70e-06	-0.01	-1.89	0.0	-0.90	0.95	-7.76e-06	-1.86e-05	1.70e-06	-0.16
		-0.16	-5.99e-06	-1.05e-05	0.0	99.0	-0.90	-0.95	-7.76e-06	-1.86e-05	-5.99e-06	-0.16
128	1	0.08	1.80e-05	-0.01	-1.89	0.0	-0.86	0.95	2.57e-05	-1.70e-05	-7.53e-06	-0.16
		-0.16	-7.53e-06	-3.57e-06	0.0	99.0	-0.86	-0.95	2.57e-05	-1.70e-05	1.80e-05	-0.16
128	2	0.08	1.89e-05	-0.01	-1.89	0.0	-0.89	0.95	2.67e-05	-1.69e-05	-7.58e-06	-0.16
		-0.16	-7.58e-06	-8.04e-06	0.0	99.0	-0.89	-0.95	2.67e-05	-1.69e-05	1.89e-05	-0.16
129	1	0.08	1.84e-06	-0.01	-1.89	0.0	-0.87	0.95	-2.74e-06	3.02e-05	1.84e-06	-0.16
		-0.16	0.0	-1.93e-06	0.0	99.0	-0.87	-0.95	-2.74e-06	3.02e-05	0.0	-0.16
129	2	0.08	2.01e-06	-0.01	-1.89	0.0	-0.90	0.95	-2.69e-06	2.99e-05	2.01e-06	-0.16
		-0.16	0.0	-7.53e-06	0.0	99.0	-0.90	-0.95	-2.69e-06	2.99e-05	0.0	-0.16
130	1	0.08	0.0	-0.01	-1.89	0.0	-0.85	0.95	0.0	2.10e-05	0.0	-0.16
		-0.16	0.0	-1.91e-06	0.0	99.0	-0.85	-0.95	0.0	2.10e-05	0.0	-0.16
130	2	0.08	0.0	-0.01	-1.89	0.0	-0.88	0.95	0.0	2.06e-05	0.0	-0.16
		-0.16	0.0	-7.94e-06	0.0	99.0	-0.88	-0.95	0.0	2.06e-05	0.0	-0.16
131	1	0.08	0.0	-0.01	-1.89	0.0	-0.80	0.95	0.0	1.31e-05	0.0	-0.16
		-0.16	0.0	-1.60e-06	0.0	99.0	-0.80	-0.95	0.0	1.31e-05	0.0	-0.16
131	2	0.08	0.0	-0.01	-1.89	0.0	-0.83	0.95	0.0	1.27e-05	0.0	-0.16
		-0.16	0.0	-8.05e-06	0.0	99.0	-0.83	-0.95	0.0	1.27e-05	0.0	-0.16
132	1	0.08	0.0	-0.01	-1.89	0.0	-0.74	0.95	0.0	7.28e-06	0.0	-0.16
		-0.16	0.0	-1.28e-06	0.0	99.0	-0.74	-0.95	0.0	7.28e-06	0.0	-0.16
132	2	0.08	0.0	-0.01	-1.89	0.0	-0.77	0.95	0.0	6.87e-06	0.0	-0.16
		-0.16	0.0	-8.13e-06	0.0	99.0	-0.77	-0.95	0.0	6.87e-06	0.0	-0.16
133	1	0.08	0.0	-0.01	-1.89	0.0	-0.67	0.95	0.0	2.60e-06	0.0	-0.16
		-0.16	0.0	0.0	0.0	99.0	-0.67	-0.95	0.0	2.60e-06	0.0	-0.16
133	2	0.08	0.0	-0.01	-1.89	0.0	-0.70	0.95	0.0	2.18e-06	0.0	-0.16
		-0.16	0.0	-8.21e-06	0.0	99.0	-0.70	-0.95	0.0	2.18e-06	0.0	-0.16
134	1	0.08	0.0	-0.01	-1.89	0.0	-0.59	0.95	0.0	-1.96e-06	0.0	-0.16
		-0.16	0.0	0.0	0.0	99.0	-0.59	-0.95	0.0	-1.96e-06	0.0	-0.16
134	2	0.08	0.0	-0.01	-1.89	0.0	-0.61	0.95	0.0	-2.35e-06	0.0	-0.16
		-0.16	0.0	-8.16e-06	0.0	99.0	-0.61	-0.95	0.0	-2.35e-06	0.0	-0.16
135	1	0.08	0.0	-0.01	-1.89	0.0	-0.49	0.95	-1.01e-06	-7.40e-06	0.0	-0.16

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		-0.16	0.0	0.0	0.0	99.0	-0.49	-0.95	-1.01e-06	-7.40e-06	0.0	-0.16
135	2	0.08	0.0	-0.01	-1.89	0.0	-0.51	0.95	0.0	-7.70e-06	0.0	-0.16
		-0.16	0.0	-8.19e-06	0.0	99.0	-0.51	-0.95	0.0	-7.70e-06	0.0	-0.16
136	1	0.08	0.0	-0.01	-1.89	0.0	-0.38	0.95	0.0	-1.44e-05	-1.11e-06	-0.16
		-0.16	-1.11e-06	-1.04e-06	0.0	99.0	-0.38	-0.95	0.0	-1.44e-05	0.0	-0.16
136	2	0.08	0.0	-0.01	-1.89	0.0	-0.39	0.95	0.0	-1.45e-05	0.0	-0.16
		-0.16	0.0	-7.13e-06	0.0	99.0	-0.39	-0.95	0.0	-1.45e-05	0.0	-0.16
137	1	0.08	0.0	-0.01	-1.89	0.0	-0.27	0.95	-2.33e-06	-2.24e-05		-0.16
		-0.16	-2.56e-06	-2.43e-06	0.0	99.0	-0.27	-0.95	-2.33e-06	-2.24e-05	-2.56e-06	-0.16
137	2	0.08	0.0	-0.01	-1.89	0.0	-0.28	0.95	-2.20e-06	-2.25e-05	0.0	-0.16
		-0.16	-2.41e-06	-5.93e-06	0.0	99.0	-0.28	-0.95	-2.20e-06	-2.25e-05	-2.41e-06	-0.16
138	1	0.08	9.24e-06	-0.01	-1.89	0.0	-0.15	0.95	1.21e-05	-2.45e-05	-2.71e-06	-0.16
		-0.16	-2.71e-06	-3.13e-06	0.0	99.0	-0.15	-0.95	1.21e-05	-2.45e-05	9.24e-06	-0.16
138	2	0.08	8.91e-06	-0.01	-1.89	0.0	-0.15	0.95	1.17e-05	-2.54e-05	-2.65e-06	-0.16
		-0.16	-2.65e-06	-5.49e-06	0.0	99.0	-0.15	-0.95	1.17e-05	-2.54e-05	8.91e-06	-0.16
139	1	0.08	1.58e-05	-0.01	-1.89	0.0	0.02	0.95	-7.56e-05	-1.81e-05	1.58e-05	-0.16
		-0.16	-5.90e-05	-7.36e-06	0.0	99.0	0.02	-0.95	-7.56e-05	-1.81e-05	-5.90e-05	-0.16
139	2	0.08	1.51e-05	-0.01	-1.89	0.0	0.01	0.95	-7.20e-05	-1.91e-05	1.51e-05	-0.16
		-0.16	-5.63e-05	5.52e-06	0.0	99.0	0.01	-0.95	-7.20e-05	-1.91e-05	-5.63e-05	-0.16
140	1	0.11	1.81e-05	-0.02	-2.26	0.0	-0.30	1.13	-2.04e-05	4.11e-05	1.81e-05	-0.22
		-0.22	-6.02e-06	-2.82e-05	0.0	118.5	-0.30	-1.13	-2.04e-05	4.11e-05	-6.02e-06	-0.22
140	2	0.11	2.10e-05	-0.02	-2.26	0.0	-0.32	1.13	-2.30e-05	4.27e-05	2.10e-05	-0.22
		-0.22	-6.27e-06	-2.09e-05	0.0	118.5	-0.32	-1.13	-2.30e-05	4.27e-05	-6.27e-06	-0.22
141	1	0.11	0.0	-0.02	-2.26	0.0	-0.46	1.13	3.40e-06	3.26e-05	-4.79e-06	-0.22
		-0.22	-4.79e-06	-2.63e-05	0.0	118.5	-0.46	-1.13	3.40e-06	3.26e-05	0.0	-0.22
141	2	0.11	0.0	-0.02	-2.26	0.0	-0.49	1.13	4.31e-06	3.49e-05	-5.36e-06	-0.22
		-0.22	-5.36e-06	-1.99e-05	0.0	118.5	-0.49	-1.13	4.31e-06	3.49e-05	0.0	-0.22
142	1	0.11	0.0	-0.02	-2.26	0.0	-0.62	1.13	-1.47e-06	2.21e-05	0.0	-0.22
		-0.22	-1.74e-06	-2.25e-05	0.0	118.5	-0.62	-1.13	-1.47e-06	2.21e-05	-1.74e-06	-0.22
142	2	0.11	0.0	-0.02	-2.26	0.0	-0.65	1.13	-1.62e-06	2.35e-05	0.0	-0.22
		-0.22	-1.61e-06	-1.67e-05	0.0	118.5	-0.65	-1.13	-1.62e-06	2.35e-05	-1.61e-06	-0.22
143	1	0.11	0.0	-0.02	-2.26	0.0	-0.78	1.13	0.0	1.55e-05	0.0	-0.22
		-0.22	-1.24e-06	-1.99e-05	0.0	118.5	-0.78	-1.13	0.0	1.55e-05	-1.24e-06	-0.22
143	2	0.11	0.0	-0.02	-2.26	0.0	-0.81	1.13	0.0	1.65e-05	0.0	-0.22
		-0.22	-1.05e-06	-1.47e-05	0.0	118.5	-0.81	-1.13	0.0	1.65e-05	-1.05e-06	-0.22
144	1	0.11	0.0	-0.02	-2.26	0.0	-0.91	1.13	-1.13e-06	1.15e-05	0.0	-0.22
		-0.22	-1.22e-06	-1.80e-05	0.0	118.5	-0.91	-1.13	-1.13e-06	1.15e-05	-1.22e-06	-0.22
144	2	0.11	0.0	-0.02	-2.26	0.0	-0.94	1.13	-1.18e-06	1.23e-05	0.0	-0.22

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		-0.22	-1.04e-06	-1.34e-05	0.0	118.5	-0.94	-1.13	-1.18e-06	1.23e-05	-1.04e-06	-0.22
145	1	0.11	0.0	-0.02	-2.26	0.0	-1.02	1.13	0.0	8.33e-06	0.0	-0.22
		-0.22	0.0	-1.64e-05	0.0	118.5	-1.02	-1.13	0.0	8.33e-06	0.0	-0.22
145	2	0.11	0.0	-0.02	-2.26	0.0	-1.05	1.13	0.0	9.03e-06	0.0	-0.22
		-0.22	0.0	-1.25e-05	0.0	118.5	-1.05	-1.13	0.0	9.03e-06	0.0	-0.22
146	1	0.11	0.0	-0.02	-2.26	0.0	-1.11	1.13	0.0	5.05e-06	0.0	-0.22
		-0.22	0.0	-1.51e-05	0.0	118.5	-1.11	-1.13	0.0	5.05e-06	0.0	-0.22
146	2	0.11	0.0	-0.02	-2.26	0.0	-1.15	1.13	0.0	5.69e-06	0.0	-0.22
		-0.22	0.0	-1.19e-05	0.0	118.5	-1.15	-1.13	0.0	5.69e-06	0.0	-0.22
147	1	0.11	0.0	-0.02	-2.26	0.0	-1.18	1.13	-1.05e-06	0.0	0.0	-0.22
		-0.22	-1.16e-06	-1.40e-05	0.0	118.5	-1.18	-1.13	-1.05e-06	0.0	-1.16e-06	-0.22
147	2	0.11	0.0	-0.02	-2.26	0.0	-1.22	1.13	-1.12e-06	1.15e-06	0.0	-0.22
		-0.22	0.0	-1.15e-05	0.0	118.5	-1.22	-1.13	-1.12e-06	1.15e-06	0.0	-0.22
148	1	0.11	0.0	-0.02	-2.26	0.0	-1.24	1.13	1.21e-06	-6.23e-06	0.0	-0.22
		-0.22	0.0	-1.28e-05	0.0	118.5	-1.24	-1.13	1.21e-06	-6.23e-06	0.0	-0.22
148	2	0.11	1.06e-06	-0.02	-2.26	0.0	-1.27	1.13	1.21e-06	-5.74e-06	0.0	-0.22
		-0.22	0.0	-1.11e-05	0.0	118.5	-1.27	-1.13	1.21e-06	-5.74e-06	1.06e-06	-0.22
149	1	0.11	1.63e-06	-0.02	-2.26	0.0	-1.26	1.13	-7.11e-06	-1.62e-05	1.63e-06	-0.22
		-0.22	-6.80e-06	-1.18e-05	0.0	118.5	-1.26	-1.13	-7.11e-06	-1.62e-05	-6.80e-06	-0.22
149	2	0.11	1.95e-06	-0.02	-2.26	0.0	-1.30	1.13	-7.34e-06	-1.58e-05	1.95e-06	-0.22
		-0.22	-6.75e-06	-1.09e-05	0.0	118.5	-1.30	-1.13	-7.34e-06	-1.58e-05	-6.75e-06	-0.22
150	1	0.11	2.22e-05	-0.02	-2.26	0.0	-1.26	1.13	2.66e-05	-1.71e-05	-9.33e-06	-0.22
		-0.22	-9.33e-06	-7.43e-06	0.0	118.5	-1.26	-1.13	2.66e-05	-1.71e-05	2.22e-05	-0.22
150	2	0.11	2.32e-05	-0.02	-2.26	0.0	-1.30	1.13	2.75e-05	-1.69e-05	-9.34e-06	-0.22
		-0.22	-9.34e-06	-7.29e-06	0.0	118.5	-1.30	-1.13	2.75e-05	-1.69e-05	2.32e-05	-0.22
151	1	0.11	2.17e-06	-0.02	-2.26	0.0	-1.26	1.13	-2.78e-06	3.26e-05	2.17e-06	-0.22
		-0.22	-1.12e-06	-5.68e-06	0.0	118.5	-1.26	-1.13	-2.78e-06	3.26e-05	-1.12e-06	-0.22
151	2	0.11	2.42e-06	-0.02	-2.26	0.0	-1.29	1.13	-2.77e-06	3.24e-05	2.42e-06	-0.22
		-0.22	0.0	-7.40e-06	0.0	118.5	-1.29	-1.13	-2.77e-06	3.24e-05	0.0	-0.22
152	1	0.11	0.0	-0.02	-2.26	0.0	-1.22	1.13	0.0	2.24e-05	0.0	-0.22
		-0.22	0.0	-5.60e-06	0.0	118.5	-1.22	-1.13	0.0	2.24e-05	0.0	-0.22
152	2	0.11	0.0	-0.02	-2.26	0.0	-1.26	1.13	0.0	2.22e-05	0.0	-0.22
		-0.22	0.0	-8.09e-06	0.0	118.5	-1.26	-1.13	0.0	2.22e-05	0.0	-0.22
153	1	0.11	0.0	-0.02	-2.26	0.0	-1.16	1.13	-1.13e-06	1.45e-05	0.0	-0.22
		-0.22	0.0	-5.29e-06	0.0	118.5	-1.16	-1.13	-1.13e-06	1.45e-05	0.0	-0.22
153	2	0.11	0.0	-0.02	-2.26	0.0	-1.19	1.13	-1.11e-06	1.41e-05	0.0	-0.22
		-0.22	0.0	-8.54e-06	0.0	118.5	-1.19	-1.13	-1.11e-06	1.41e-05	0.0	-0.22
154	1	0.11	0.0	-0.02	-2.26	0.0	-1.08	1.13	0.0	8.90e-06	0.0	-0.22

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		-0.22	0.0	-5.08e-06	0.0	118.5	-1.08	-1.13	0.0	8.90e-06	0.0	-0.22
154	2	0.11	0.0	-0.02	-2.26	0.0	-1.11	1.13	0.0	8.51e-06	0.0	-0.22
		-0.22	0.0	-9.03e-06	0.0	118.5	-1.11	-1.13	0.0	8.51e-06	0.0	-0.22
155	1	0.11	0.0	-0.02	-2.26	0.0	-0.98	1.13	0.0	4.32e-06	0.0	-0.22
		-0.22	0.0	-5.06e-06	0.0	118.5	-0.98	-1.13	0.0	4.32e-06	0.0	-0.22
155	2	0.11	0.0	-0.02	-2.26	0.0	-1.01	1.13	0.0	3.94e-06	0.0	-0.22
		-0.22	0.0	-9.67e-06	0.0	118.5	-1.01	-1.13	0.0	3.94e-06	0.0	-0.22
156	1	0.11	0.0	-0.02	-2.26	0.0	-0.86	1.13	0.0	0.0	0.0	-0.22
		-0.22	0.0	-4.80e-06	0.0	118.5	-0.86	-1.13	0.0	0.0	0.0	-0.22
156	2	0.11	0.0	-0.02	-2.26	0.0	-0.89	1.13	0.0	0.0	0.0	-0.22
		-0.22	0.0	-1.00e-05	0.0	118.5	-0.89	-1.13	0.0	0.0	0.0	-0.22
157	1	0.11	0.0	-0.02	-2.26	0.0	-0.73	1.13	0.0	-6.16e-06	0.0	-0.22
		-0.22	0.0	-4.93e-06	0.0	118.5	-0.73	-1.13	0.0	-6.16e-06	0.0	-0.22
157	2	0.11	0.0	-0.02	-2.26	0.0	-0.75	1.13	0.0	-6.22e-06	0.0	-0.22
		-0.22	0.0	-1.07e-05	0.0	118.5	-0.75	-1.13	0.0	-6.22e-06	0.0	-0.22
158	1	0.11	0.0	-0.02	-2.26	0.0	-0.56	1.13	0.0	-1.42e-05	0.0	-0.22
		-0.22	0.0	-3.52e-06	0.0	118.5	-0.56	-1.13	0.0	-1.42e-05	0.0	-0.22
158	2	0.11	0.0	-0.02	-2.26	0.0	-0.57	1.13	0.0	-1.38e-05	0.0	-0.22
		-0.22	0.0	-9.81e-06	0.0	118.5	-0.57	-1.13	0.0	-1.38e-05	0.0	-0.22
159	1	0.11	0.0	-0.02	-2.26	0.0	-0.40	1.13	-1.68e-06	-2.46e-05	0.0	-0.22
		-0.22	-2.52e-06	-1.09e-06	0.0	118.5	-0.40	-1.13	-1.68e-06	-2.46e-05	-2.52e-06	-0.22
159	2	0.11	0.0	-0.02	-2.26	0.0	-0.41	1.13	-1.33e-06	-2.37e-05	0.0	-0.22
		-0.22	-2.17e-06	-7.63e-06	0.0	118.5	-0.41	-1.13	-1.33e-06	-2.37e-05	-2.17e-06	-0.22
160	1	0.11	9.66e-06	-0.02	-2.26	0.0	-0.23	1.13	1.02e-05	-2.78e-05	-2.49e-06	-0.22
		-0.22	-2.49e-06	-1.80e-06	0.0	118.5	-0.23	-1.13	1.02e-05	-2.78e-05	9.66e-06	-0.22
160	2	0.11	9.19e-06	-0.02	-2.26	0.0	-0.24	1.13	9.80e-06	-2.83e-05	-2.42e-06	-0.22
		-0.22	-2.42e-06	-7.49e-06	0.0	118.5	-0.24	-1.13	9.80e-06	-2.83e-05	9.19e-06	-0.22
161	1	0.11	1.99e-05	-0.02	-2.26	0.0	0.04	1.13	-7.53e-05	-1.59e-05	1.99e-05	-0.22
		-0.22	-6.94e-05	6.66e-06	0.0	118.5	0.04	-1.13	-7.53e-05	-1.59e-05	-6.94e-05	-0.22
161	2	0.11	1.80e-05	-0.02	-2.26	0.0	0.01	1.13	-6.71e-05	-1.84e-05	1.80e-05	-0.22
		-0.22	-6.15e-05	8.36e-06	0.0	118.5	0.01	-1.13	-6.71e-05	-1.84e-05	-6.15e-05	-0.22
162	1	2066.50	-11.85	-5.30e-04	-22.17	0.0	2460.40	-69.08	33.89	8.02	-52.02	2066.50
		1971.47	-52.02	-6.73e-06	0.0	118.5	2460.40	-91.25	33.89	8.02	-11.85	1971.47
162	2	2075.66	-4.46	-5.18e-04	-22.17	0.0	2444.14	-66.55	33.18	7.92	-43.79	2075.66
		1983.63	-43.79	-8.33e-06	0.0	118.5	2444.14	-88.72	33.18	7.92	-4.46	1983.63
163	1	2032.04	19.56	-8.58e-04	-22.17	0.0	2384.03	-115.70	26.50	8.44	-11.85	2032.04
		1881.74	-11.85	-6.45e-06	0.0	118.5	2384.03	-137.87	26.50	8.44	19.56	1881.74
163	2	2041.67	26.22	-8.48e-04	-22.17	0.0	2370.96	-113.12	25.88	8.26	-4.46	2041.67

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		1894.44	-4.46	-8.83e-06	0.0	118.5	2370.96	-135.28	25.88	8.26	26.22	1894.44
164	1	1969.90	41.77	-1.17e-03	-22.17	0.0	2273.27	-164.14	18.73	7.75	19.56	1969.90
		1762.19	19.56	-6.33e-06	0.0	118.5	2273.27	-186.30	18.73	7.75	41.77	1762.19
164	2	1979.83	47.73	-1.17e-03	-22.17	0.0	2263.67	-161.47	18.15	7.50	26.22	1979.83
		1775.28	26.22	-9.47e-06	0.0	118.5	2263.67	-183.64	18.15	7.50	47.73	1775.28
165	1	1878.87	56.09	-1.47e-03	-22.17	0.0	2126.86	-212.92	12.08	6.28	41.77	1878.87
		1613.33	41.77	-6.41e-06	0.0	118.5	2126.86	-235.08	12.08	6.28	56.09	1613.33
165	2	1888.96	61.31	-1.47e-03	-22.17	0.0	2121.03	-210.15	11.45	5.99	47.73	1888.96
		1626.69	47.73	-1.03e-05	0.0	118.5	2121.03	-232.32	11.45	5.99	61.31	1626.69
166	1	1759.02	64.10	-1.75e-03	-22.17	0.0	1944.20	-261.83	6.76	4.31	56.09	1759.02
		1435.49	56.09	-6.63e-06	0.0	118.5	1944.20	-284.00	6.76	4.31	64.10	1435.49
166	2	1769.17	68.45	-1.74e-03	-22.17	0.0	1942.39	-258.95	6.02	3.98	61.31	1769.17
		1449.06	61.31	-1.12e-05	0.0	118.5	1942.39	-281.12	6.02	3.98	68.45	1449.06
167	1	1610.44	66.85	-2.00e-03	-22.17	0.0	1724.95	-310.80	2.32	2.02	64.10	1610.44
		1228.87	64.10	-6.83e-06	0.0	118.5	1724.95	-332.96	2.32	2.02	66.85	1228.87
167	2	1620.58	70.14	-1.99e-03	-22.17	0.0	1727.44	-307.79	1.43	1.69	68.45	1620.58
		1242.57	68.45	-1.20e-05	0.0	118.5	1727.44	-329.96	1.43	1.69	70.14	1242.57
168	1	1433.42	66.85	-2.22e-03	-22.17	0.0	1468.70	-359.73	-1.87	-0.39	66.85	1433.42
		993.85	64.63	-6.90e-06	0.0	118.5	1468.70	-381.89	-1.87	-0.39	64.63	993.85
168	2	1443.50	70.14	-2.21e-03	-22.17	0.0	1475.71	-356.58	-2.99	-0.71	70.14	1443.50
		1007.66	66.59	-1.26e-05	0.0	118.5	1475.71	-378.75	-2.99	-0.71	66.59	1007.66
169	1	1228.64	64.63	-2.40e-03	-22.17	0.0	1174.79	-408.77	-6.21	-2.89	64.63	1228.64
		730.93	57.27	-6.29e-06	0.0	118.5	1174.79	-430.93	-6.21	-2.89	57.27	730.93
169	2	1238.71	66.59	-2.40e-03	-22.17	0.0	1186.43	-405.43	-7.58	-3.16	66.59	1238.71
		744.96	57.60	-1.25e-05	0.0	118.5	1186.43	-427.59	-7.58	-3.16	57.60	744.96
170	1	997.29	57.27	-2.54e-03	-22.17	0.0	841.98	-457.92	-11.44	-5.09	57.27	997.29
		441.31	43.71	-5.74e-06	0.0	118.5	841.98	-480.09	-11.44	-5.09	43.71	441.31
170	2	1007.71	57.60	-2.54e-03	-22.17	0.0	857.97	-454.35	-13.07	-5.27	57.60	1007.71
		455.97	42.11	-1.24e-05	0.0	118.5	857.97	-476.51	-13.07	-5.27	42.11	455.97
171	1	748.82	43.71	-2.63e-03	-22.17	0.0	456.52	-503.86	-18.52	-6.83	43.71	748.82
		138.38	21.76	-4.96e-06	0.0	118.5	456.52	-526.02	-18.52	-6.83	21.76	138.38
171	2	762.71	42.11	-2.64e-03	-22.17	0.0	473.55	-500.58	-19.91	-6.85	42.11	762.71
		156.17	18.51	-1.21e-05	0.0	118.5	473.55	-522.74	-19.91	-6.85	18.51	156.17
172	1	471.38	21.76	-2.69e-03	-22.17	0.0	0.0	-386.56	-33.82	-8.67	21.76	471.38
		0.0	-18.33	0.0	0.0	118.5	0.0	-408.73	-33.82	-8.67	-18.33	0.0
172	2	509.30	18.51	-2.70e-03	-22.17	0.0	0.0	-418.55	-32.23	-8.36	18.51	509.30
		0.0	-19.70	-8.22e-06	0.0	118.5	0.0	-440.71	-32.23	-8.36	-19.70	0.0
173	1	2077.28	7.72	-5.24e-04	-22.17	0.0	2387.55	-88.22	4.21	5.67	2.73	2077.28

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		1959.55	2.73	-8.05e-06	0.0	118.5	2387.55	-110.39	4.21	5.67	7.72	1959.55
173	2	2079.92	14.98	-5.10e-04	-22.17	0.0	2385.91	-85.90	3.88	5.55	10.38	2079.92
		1964.95	10.38	-9.38e-06	0.0	118.5	2385.91	-108.07	3.88	5.55	14.98	1964.95
174	1	2029.45	12.19	-8.51e-04	-22.17	0.0	2299.65	-132.47	3.77	5.46	7.72	2029.45
		1859.27	7.72	-8.38e-06	0.0	118.5	2299.65	-154.63	3.77	5.46	12.19	1859.27
174	2	2032.77	19.05	-8.38e-04	-22.17	0.0	2300.61	-130.14	3.44	5.28	14.98	2032.77
		1865.36	14.98	-1.05e-05	0.0	118.5	2300.61	-152.31	3.44	5.28	19.05	1865.36
175	1	1955.84	16.27	-1.16e-03	-22.17	0.0	2178.40	-176.42	3.44	5.11	12.19	1955.84
		1733.56	12.19	-8.76e-06	0.0	118.5	2178.40	-198.58	3.44	5.11	16.27	1733.56
175	2	1959.78	22.63	-1.15e-03	-22.17	0.0	2182.04	-174.09	3.02	4.85	19.05	1959.78
		1740.28	19.05	-1.17e-05	0.0	118.5	2182.04	-196.25	3.02	4.85	22.63	1740.28
176	1	1856.02	20.35	-1.46e-03	-22.17	0.0	2024.75	-219.79	3.45	4.62	16.27	1856.02
		1582.33	16.27	-9.22e-06	0.0	118.5	2024.75	-241.96	3.45	4.62	20.35	1582.33
176	2	1860.53	26.02	-1.45e-03	-22.17	0.0	2031.16	-217.45	2.86	4.31	22.63	1860.53
		1589.61	22.63	-1.29e-05	0.0	118.5	2031.16	-239.62	2.86	4.31	26.02	1589.61
177	1	1730.14	24.78	-1.73e-03	-22.17	0.0	1839.33	-262.75	3.73	4.00	20.35	1730.14
		1405.53	20.35	-9.79e-06	0.0	118.5	1839.33	-284.92	3.73	4.00	24.78	1405.53
177	2	1735.14	29.44	-1.72e-03	-22.17	0.0	1848.60	-260.41	2.89	3.65	26.02	1735.14
		1413.30	26.02	-1.42e-05	0.0	118.5	1848.60	-282.58	2.89	3.65	29.44	1413.30
178	1	1578.33	29.60	-1.97e-03	-22.17	0.0	1622.56	-305.45	4.07	3.24	24.78	1578.33
		1203.10	24.78	-1.04e-05	0.0	118.5	1622.56	-327.62	4.07	3.24	29.60	1203.10
178	2	1583.75	32.87	-1.96e-03	-22.17	0.0	1634.76	-303.10	2.89	2.87	29.44	1583.75
		1211.31	29.44	-1.54e-05	0.0	118.5	1634.76	-325.26	2.89	2.87	32.87	1211.31
179	1	1400.74	34.42	-2.19e-03	-22.17	0.0	1374.63	-348.08	4.07	2.30	29.60	1400.74
		974.97	29.60	-1.11e-05	0.0	118.5	1374.63	-370.25	4.07	2.30	34.42	974.97
179	2	1406.53	35.85	-2.18e-03	-22.17	0.0	1389.86	-345.71	2.51	1.96	32.87	1406.53
		983.57	32.87	-1.67e-05	0.0	118.5	1389.86	-367.87	2.51	1.96	35.85	983.57
180	1	1197.37	38.19	-2.36e-03	-22.17	0.0	1095.78	-391.19	3.18	1.17	34.42	1197.37
		720.50	34.42	-1.16e-05	0.0	118.5	1095.78	-413.36	3.18	1.17	38.19	720.50
180	2	1203.46	37.38	-2.36e-03	-22.17	0.0	1114.12	-388.70	1.29	0.90	35.85	1203.46
		729.54	35.85	-1.77e-05	0.0	118.5	1114.12	-410.87	1.29	0.90	37.38	729.54
181	1	971.09	38.21	-2.50e-03	-22.17	0.0	782.19	-435.88	0.02	-0.05	38.19	971.09
		441.24	38.19	-1.23e-05	0.0	118.5	782.19	-458.04	0.02	-0.05	38.21	441.24
181	2	978.02	37.38	-2.50e-03	-22.17	0.0	803.00	-433.00	-1.95	-0.15	37.38	978.02
		451.58	35.06	-1.90e-05	0.0	118.5	803.00	-455.17	-1.95	-0.15	35.06	451.58
182	1	719.75	38.21	-2.60e-03	-22.17	0.0	433.07	-479.14	-7.78	-1.03	38.21	719.75
		138.62	28.98	-1.39e-05	0.0	118.5	433.07	-501.30	-7.78	-1.03	28.98	138.62
182	2	730.43	35.06	-2.59e-03	-22.17	0.0	453.46	-476.44	-9.07	-0.90	35.06	730.43

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		152.50	24.30	-2.11e-05	0.0	118.5	453.46	-498.60	-9.07	-0.90	24.30	152.50
183	1	452.46	28.98	-2.65e-03	-22.17	0.0	0.0	-370.60	-27.06	-2.79	28.98	452.46
		0.0	-3.10	-1.03e-05	0.0	118.5	0.0	-392.76	-27.06	-2.79	-3.10	0.0
183	2	489.56	24.30	-2.65e-03	-22.17	0.0	0.0	-401.89	-25.04	-2.27	24.30	489.56
		0.0	-5.38	-1.86e-05	0.0	118.5	0.0	-424.06	-25.04	-2.27	-5.38	0.0
184	1	2077.77	1.49	-5.23e-04	-22.17	0.0	2387.76	-89.04	6.84	6.87	-6.61	2077.77
		1959.08	-6.61	-1.08e-05	0.0	118.5	2387.76	-111.20	6.84	6.87	1.49	1959.08
184	2	2074.60	8.80	-5.08e-04	-22.17	0.0	2397.90	-87.09	6.51	6.73	1.08	2074.60
		1958.22	1.08	-1.19e-05	0.0	118.5	2397.90	-109.25	6.51	6.73	8.80	1958.22
185	1	2030.44	9.16	-8.50e-04	-22.17	0.0	2297.98	-132.91	6.47	6.86	1.49	2030.44
		1859.75	1.49	-1.10e-05	0.0	118.5	2297.98	-155.07	6.47	6.86	9.16	1859.75
185	2	2027.94	16.08	-8.34e-04	-22.17	0.0	2310.17	-130.95	6.14	6.66	8.80	2027.94
		1859.57	8.80	-1.29e-05	0.0	118.5	2310.17	-153.11	6.14	6.66	16.08	1859.57
186	1	1957.23	16.21	-1.16e-03	-22.17	0.0	2175.51	-176.44	5.94	6.66	9.16	1957.23
		1734.93	9.16	-1.15e-05	0.0	118.5	2175.51	-198.61	5.94	6.66	16.21	1734.93
186	2	1955.48	22.65	-1.15e-03	-22.17	0.0	2189.66	-174.46	5.54	6.39	16.08	1955.48
		1735.53	16.08	-1.43e-05	0.0	118.5	2189.66	-196.63	5.54	6.39	22.65	1735.53
187	1	1857.87	22.82	-1.46e-03	-22.17	0.0	2021.16	-219.46	5.58	6.25	16.21	1857.87
		1584.59	16.21	-1.23e-05	0.0	118.5	2021.16	-241.62	5.58	6.25	22.82	1584.59
187	2	1856.94	28.58	-1.44e-03	-22.17	0.0	2037.23	-217.45	5.00	5.92	22.65	1856.94
		1586.03	22.65	-1.58e-05	0.0	118.5	2037.23	-239.61	5.00	5.92	28.58	1586.03
188	1	1732.47	29.16	-1.73e-03	-22.17	0.0	1835.55	-262.16	5.35	5.64	22.82	1732.47
		1408.56	22.82	-1.32e-05	0.0	118.5	1835.55	-284.32	5.35	5.64	29.16	1408.56
188	2	1732.40	33.93	-1.71e-03	-22.17	0.0	1853.50	-260.12	4.52	5.27	28.58	1732.40
		1410.91	28.58	-1.74e-05	0.0	118.5	1853.50	-282.28	4.52	5.27	33.93	1410.91
189	1	1580.99	35.20	-1.97e-03	-22.17	0.0	1619.13	-304.73	5.09	4.83	29.16	1580.99
		1206.62	29.16	-1.43e-05	0.0	118.5	1619.13	-326.89	5.09	4.83	35.20	1206.62
189	2	1581.84	38.58	-1.96e-03	-22.17	0.0	1638.95	-302.65	3.92	4.45	33.93	1581.84
		1209.93	33.93	-1.92e-05	0.0	118.5	1638.95	-324.81	3.92	4.45	38.58	1209.93
190	1	1403.49	40.52	-2.19e-03	-22.17	0.0	1372.07	-347.39	4.49	3.85	35.20	1403.49
		978.54	35.20	-1.56e-05	0.0	118.5	1372.07	-369.56	4.49	3.85	40.52	978.54
190	2	1405.30	42.04	-2.17e-03	-22.17	0.0	1393.76	-345.26	2.92	3.49	38.58	1405.30
		982.87	38.58	-2.11e-05	0.0	118.5	1393.76	-367.43	2.92	3.49	42.04	982.87
191	1	1199.73	44.24	-2.37e-03	-22.17	0.0	1094.66	-390.72	3.14	2.65	40.52	1199.73
		723.41	40.52	-1.68e-05	0.0	118.5	1094.66	-412.89	3.14	2.65	44.24	723.41
191	2	1202.56	43.49	-2.35e-03	-22.17	0.0	1118.18	-388.46	1.22	2.37	42.04	1202.56
		728.92	42.04	-2.29e-05	0.0	118.5	1118.18	-410.63	1.22	2.37	43.49	728.92
192	1	973.21	44.24	-2.50e-03	-22.17	0.0	782.01	-435.81	-0.27	1.40	44.24	973.21

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		443.45	43.92	-1.83e-05	0.0	118.5	782.01	-457.97	-0.27	1.40	43.92	443.45
192	2	977.77	43.49	-2.49e-03	-22.17	0.0	806.55	-433.17	-2.29	1.27	43.49	977.77
		451.13	40.77	-2.49e-05	0.0	118.5	806.55	-455.34	-2.29	1.27	40.77	451.13
193	1	721.52	43.92	-2.60e-03	-22.17	0.0	433.43	-479.67	-7.94	0.40	43.92	721.52
		139.76	34.50	-2.07e-05	0.0	118.5	433.43	-501.83	-7.94	0.40	34.50	139.76
193	2	730.85	40.77	-2.59e-03	-22.17	0.0	455.88	-477.22	-9.30	0.51	40.77	730.85
		152.00	29.75	-2.78e-05	0.0	118.5	455.88	-499.38	-9.30	0.51	29.75	152.00
194	1	453.96	34.50	-2.65e-03	-22.17	0.0	0.0	-371.86	-26.46	-1.46	34.50	453.96
		0.0	3.13	-1.76e-05	0.0	118.5	0.0	-394.03	-26.46	-1.46	3.13	0.0
194	2	490.99	29.75	-2.64e-03	-22.17	0.0	0.0	-403.10	-24.53	-0.96	29.75	490.99
		0.0	0.68	-2.57e-05	0.0	118.5	0.0	-425.26	-24.53	-0.96	0.68	0.0
195	1	2073.53	44.67	-5.13e-04	-22.17	0.0	2481.72	-63.81	-25.79	2.89	44.67	2073.53
		1984.75	14.09	-1.17e-05	0.0	118.5	2481.72	-85.98	-25.79	2.89	14.09	1984.75
195	2	2063.70	53.26	-4.96e-04	-22.17	0.0	2507.12	-61.77	-26.47	2.65	53.26	2063.70
		1977.33	21.89	-1.26e-05	0.0	118.5	2507.12	-83.94	-26.47	2.65	21.89	1977.33
196	1	2044.47	14.09	-8.44e-04	-22.17	0.0	2406.14	-111.68	-17.83	2.55	14.09	2044.47
		1898.95	-7.04	-1.27e-05	0.0	118.5	2406.14	-133.85	-17.83	2.55	-7.04	1898.95
196	2	2035.60	21.89	-8.25e-04	-22.17	0.0	2433.35	-109.68	-18.43	2.22	21.89	2035.60
		1892.44	0.04	-1.44e-05	0.0	118.5	2433.35	-131.85	-18.43	2.22	0.04	1892.44
197	1	1986.84	-7.04	-1.16e-03	-22.17	0.0	2295.24	-160.97	-10.32	3.02	-7.04	1986.84
		1782.88	-19.27	-1.38e-05	0.0	118.5	2295.24	-183.14	-10.32	3.02	-19.27	1782.88
197	2	1979.14	0.04	-1.14e-03	-22.17	0.0	2323.94	-159.06	-10.94	2.62	0.04	1979.14
		1777.45	-12.92	-1.63e-05	0.0	118.5	2323.94	-181.22	-10.94	2.62	-12.92	1777.45
198	1	1899.88	-19.27	-1.46e-03	-22.17	0.0	2147.95	-210.51	-3.99	3.95	-19.27	1899.88
		1637.19	-24.00	-1.49e-05	0.0	118.5	2147.95	-232.68	-3.99	3.95	-24.00	1637.19
198	2	1893.50	-12.92	-1.44e-03	-22.17	0.0	2177.84	-208.70	-4.73	3.49	-12.92	1893.50
		1632.96	-18.53	-1.82e-05	0.0	118.5	2177.84	-230.86	-4.73	3.49	-18.53	1632.96
199	1	1783.61	-22.55	-1.74e-03	-22.17	0.0	1963.86	-260.27	1.22	5.09	-24.00	1783.61
		1461.94	-24.00	-1.62e-05	0.0	118.5	1963.86	-282.43	1.22	5.09	-22.55	1461.94
199	2	1778.68	-18.24	-1.72e-03	-22.17	0.0	1994.61	-258.58	0.25	4.61	-18.53	1778.68
		1459.01	-18.53	-2.02e-05	0.0	118.5	1994.61	-280.75	0.25	4.61	-18.24	1459.01
200	1	1638.13	-15.80	-2.00e-03	-22.17	0.0	1742.51	-310.27	5.70	6.26	-22.55	1638.13
		1257.18	-22.55	-1.78e-05	0.0	118.5	1742.51	-332.43	5.70	6.26	-15.80	1257.18
200	2	1634.78	-13.03	-1.98e-03	-22.17	0.0	1773.77	-308.73	4.39	5.78	-18.24	1634.78
		1255.66	-18.24	-2.24e-05	0.0	118.5	1773.77	-330.89	4.39	5.78	-13.03	1255.66
201	1	1463.44	-4.21	-2.22e-03	-22.17	0.0	1483.56	-360.62	9.77	7.27	-15.80	1463.44
		1022.81	-15.80	-1.97e-05	0.0	118.5	1483.56	-382.78	9.77	7.27	-4.21	1022.81
201	2	1461.80	-3.47	-2.20e-03	-22.17	0.0	1514.95	-359.21	8.07	6.84	-13.03	1461.80

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		1022.84	-13.03	-2.49e-05	0.0	118.5	1514.95	-381.37	8.07	6.84	-3.47	1022.84
202	1	1259.75	11.40	-2.41e-03	-22.17	0.0	1186.39	-411.68	13.17	8.01	-4.21	1259.75
		758.59	-4.21	-2.22e-05	0.0	118.5	1186.39	-433.84	13.17	8.01	11.40	758.59
202	2	1260.05	9.66	-2.38e-03	-22.17	0.0	1217.40	-410.28	11.08	7.71	-3.47	1260.05
		760.55	-3.47	-2.81e-05	0.0	118.5	1217.40	-432.45	11.08	7.71	9.66	760.55
203	1	1026.63	28.76	-2.55e-03	-22.17	0.0	850.94	-463.97	14.64	8.05	11.40	1026.63
		463.49	11.40	-2.42e-05	0.0	118.5	850.94	-486.13	14.64	8.05	28.76	463.49
203	2	1029.22	24.51	-2.53e-03	-22.17	0.0	881.02	-462.34	12.53	7.94	9.66	1029.22
		468.00	9.66	-3.07e-05	0.0	118.5	881.02	-484.51	12.53	7.94	24.51	468.00
204	1	775.75	40.18	-2.65e-03	-22.17	0.0	460.07	-512.13	9.64	8.11	28.76	775.75
		155.51	28.76	-2.87e-05	0.0	118.5	460.07	-534.29	9.64	8.11	40.18	155.51
204	2	784.17	34.40	-2.63e-03	-22.17	0.0	485.18	-510.88	8.34	8.22	24.51	784.17
		165.41	24.51	-3.55e-05	0.0	118.5	485.18	-533.04	8.34	8.22	34.40	165.41
205	1	486.41	40.18	-2.71e-03	-22.17	0.0	0.0	-399.24	-6.58	5.28	40.18	486.41
		0.0	32.38	-2.26e-05	0.0	118.5	0.0	-421.41	-6.58	5.28	32.38	0.0
205	2	523.53	34.40	-2.69e-03	-22.17	0.0	0.0	-430.55	-5.08	5.73	34.40	523.53
		0.0	28.37	-2.99e-05	0.0	118.5	0.0	-452.71	-5.08	5.73	28.37	0.0
206	1	775.45	-15.57	-2.62e-03	-22.17	0.0	498.79	521.92	-18.32	-5.83	-15.57	169.88
		169.88	-37.29	-3.45e-06	0.0	118.5	498.79	499.76	-18.32	-5.83	-37.29	775.45
206	2	762.04	-18.73	-2.62e-03	-22.17	0.0	482.63	525.20	-16.93	-5.79	-18.73	152.59
		152.59	-38.80	-3.74e-06	0.0	118.5	482.63	503.04	-16.93	-5.79	-38.80	762.04
207	1	1014.02	-37.29	-2.52e-03	-22.17	0.0	888.97	475.03	-12.22	-4.37	-37.29	464.04
		464.04	-51.78	-3.98e-06	0.0	118.5	888.97	452.86	-12.22	-4.37	-51.78	1014.02
207	2	1003.93	-38.80	-2.52e-03	-22.17	0.0	874.00	478.58	-10.61	-4.17	-38.80	449.74
		449.74	-51.38	-2.76e-06	0.0	118.5	874.00	456.42	-10.61	-4.17	-51.38	1003.93
208	1	1241.94	-51.78	-2.38e-03	-22.17	0.0	1219.14	426.03	-7.00	-2.36	-51.78	750.05
		750.05	-60.08	-4.57e-06	0.0	118.5	1219.14	403.86	-7.00	-2.36	-60.08	1241.94
208	2	1232.17	-51.38	-2.38e-03	-22.17	0.0	1208.54	429.35	-5.65	-2.07	-51.38	736.34
		736.34	-58.07	-1.74e-06	0.0	118.5	1208.54	407.19	-5.65	-2.07	-58.07	1232.17
209	1	1444.07	-60.08	-2.19e-03	-22.17	0.0	1509.36	377.10	-2.58	7.04e-03	-60.08	1010.18
		1010.18	-63.14	-5.35e-06	0.0	118.5	1509.36	354.94	-2.58	7.04e-03	-63.14	1444.07
209	2	1434.28	-58.07	-2.19e-03	-22.17	0.0	1503.40	380.23	-1.47	0.33	-58.07	996.67
		996.67	-59.81	0.0	0.0	118.5	1503.40	358.07	-1.47	0.33	-59.81	1434.28
210	1	1618.71	-61.05	-1.97e-03	-22.17	0.0	1761.57	328.21	1.76	2.31	-63.14	1242.77
		1242.77	-63.14	-5.40e-06	0.0	118.5	1761.57	306.04	1.76	2.31	-61.05	1618.71
210	2	1608.85	-56.67	-1.98e-03	-22.17	0.0	1760.12	331.20	2.65	2.65	-59.81	1229.37
		1229.37	-59.81	1.06e-06	0.0	118.5	1760.12	309.04	2.65	2.65	-56.67	1608.85
211	1	1765.05	-53.54	-1.72e-03	-22.17	0.0	1976.64	279.29	6.34	4.52	-61.05	1447.11

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		1447.11	-61.05	-5.36e-06	0.0	118.5	1976.64	257.12	6.34	4.52	-53.54	1765.05
211	2	1755.17	-48.30	-1.73e-03	-22.17	0.0	1979.47	282.16	7.06	4.85	-56.67	1433.83
		1433.83	-56.67	0.0	0.0	118.5	1979.47	259.99	7.06	4.85	-48.30	1755.17
212	1	1882.79	-39.56	-1.44e-03	-22.17	0.0	2155.03	230.42	11.79	6.44	-53.54	1622.77
		1622.77	-53.54	-5.33e-06	0.0	118.5	2155.03	208.26	11.79	6.44	-39.56	1882.79
212	2	1872.96	-33.59	-1.45e-03	-22.17	0.0	2161.89	233.18	12.41	6.74	-48.30	1609.68
		1609.68	-48.30	-1.36e-06	0.0	118.5	2161.89	211.01	12.41	6.74	-33.59	1872.96
213	1	1971.80	-17.58	-1.14e-03	-22.17	0.0	2297.12	181.69	18.54	7.88	-39.56	1769.56
		1769.56	-39.56	-5.44e-06	0.0	118.5	2297.12	159.52	18.54	7.88	-17.58	1971.80
213	2	1962.13	-10.91	-1.15e-03	-22.17	0.0	2307.73	184.35	19.13	8.13	-33.59	1756.74
		1756.74	-33.59	-2.20e-06	0.0	118.5	2307.73	162.18	19.13	8.13	-10.91	1962.13
214	1	2032.01	13.69	-8.28e-04	-22.17	0.0	2403.50	133.28	26.38	8.55	-17.58	1887.14
		1887.14	-17.58	-5.76e-06	0.0	118.5	2403.50	111.12	26.38	8.55	13.69	2032.01
214	2	2022.62	21.09	-8.39e-04	-22.17	0.0	2417.58	135.86	27.00	8.73	-10.91	1874.70
		1874.70	-10.91	-3.27e-06	0.0	118.5	2417.58	113.70	27.00	8.73	21.09	2022.62
215	1	2064.62	53.76	-5.00e-04	-22.17	0.0	2475.39	86.69	33.80	8.10	13.69	1975.00
		1975.00	13.69	-6.25e-06	0.0	118.5	2475.39	64.52	33.80	8.10	53.76	2064.62
215	2	2055.70	62.01	-5.13e-04	-22.17	0.0	2492.65	89.21	34.51	8.20	21.09	1963.09
		1963.09	21.09	-4.55e-06	0.0	118.5	2492.65	67.05	34.51	8.20	62.01	2055.70
216	1	2079.43	97.61	-1.64e-04	-22.17	0.0	2514.20	52.12	36.99	6.13	53.76	2030.78
		2030.78	53.76	-6.35e-06	0.0	118.5	2514.20	29.96	36.99	6.13	97.61	2079.43
216	2	2071.17	106.85	-1.78e-04	-22.17	0.0	2534.34	54.61	37.83	6.13	62.01	2019.57
		2019.57	62.01	-5.52e-06	0.0	118.5	2534.34	32.45	37.83	6.13	106.85	2071.17
217	1	741.76	-20.33	-2.58e-03	-22.17	0.0	472.25	496.35	-6.40	0.25	-20.33	166.50
		166.50	-27.91	-1.23e-05	0.0	118.5	472.25	474.18	-6.40	0.25	-27.91	741.76
217	2	731.48	-24.86	-2.59e-03	-22.17	0.0	452.72	499.04	-5.09	0.14	-24.86	153.03
		153.03	-30.90	-5.01e-06	0.0	118.5	452.72	476.87	-5.09	0.14	-30.90	731.48
218	1	984.66	-27.91	-2.48e-03	-22.17	0.0	824.10	452.77	-0.97	0.84	-27.91	461.07
		461.07	-29.06	-1.07e-05	0.0	118.5	824.10	430.61	-0.97	0.84	-29.06	984.66
218	2	978.00	-29.73	-2.49e-03	-22.17	0.0	804.27	455.63	0.98	0.96	-30.90	451.02
		451.02	-30.90	-3.87e-06	0.0	118.5	804.27	433.46	0.98	0.96	-29.73	978.00
219	1	1208.06	-27.26	-2.34e-03	-22.17	0.0	1134.89	408.83	1.52	1.71	-29.06	736.56
		736.56	-29.06	-9.91e-06	0.0	118.5	1134.89	386.66	1.52	1.71	-27.26	1208.06
219	2	1202.23	-25.73	-2.35e-03	-22.17	0.0	1117.56	411.32	3.37	1.99	-29.73	727.78
		727.78	-29.73	-3.67e-06	0.0	118.5	1117.56	389.15	3.37	1.99	-25.73	1202.23
220	1	1409.72	-24.35	-2.16e-03	-22.17	0.0	1409.57	365.95	2.45	2.62	-27.26	989.05
		989.05	-27.26	-9.51e-06	0.0	118.5	1409.57	343.78	2.45	2.62	-24.35	1409.72
220	2	1404.19	-21.01	-2.17e-03	-22.17	0.0	1395.34	368.32	3.98	2.96	-25.73	980.70

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		980.70	-25.73	-3.80e-06	0.0	118.5	1395.34	346.16	3.98	2.96	-21.01	1404.19
221	1	1585.63	-21.06	-1.95e-03	-22.17	0.0	1653.30	323.37	2.78	3.39	-24.35	1215.43
		1215.43	-24.35	-9.01e-06	0.0	118.5	1653.30	301.20	2.78	3.39	-21.06	1585.63
221	2	1580.46	-16.36	-1.96e-03	-22.17	0.0	1642.10	325.72	3.93	3.76	-21.01	1207.48
		1207.48	-21.01	-3.89e-06	0.0	118.5	1642.10	303.55	3.93	3.76	-16.36	1580.46
222	1	1735.79	-17.72	-1.70e-03	-22.17	0.0	1865.86	280.69	2.81	4.06	-21.06	1416.18
		1416.18	-21.06	-8.57e-06	0.0	118.5	1865.86	258.53	2.81	4.06	-17.72	1735.79
222	2	1731.05	-12.04	-1.71e-03	-22.17	0.0	1857.61	283.04	3.64	4.41	-16.36	1408.66
		1408.66	-16.36	-4.09e-06	0.0	118.5	1857.61	260.87	3.64	4.41	-12.04	1731.05
223	1	1860.03	-14.33	-1.43e-03	-22.17	0.0	2047.08	237.75	2.86	4.62	-17.72	1591.33
		1591.33	-17.72	-8.20e-06	0.0	118.5	2047.08	215.59	2.86	4.62	-14.33	1860.03
223	2	1855.79	-7.96	-1.44e-03	-22.17	0.0	2041.68	240.09	3.44	4.93	-12.04	1584.31
		1584.31	-12.04	-4.42e-06	0.0	118.5	2041.68	217.93	3.44	4.93	-7.96	1855.79
224	1	1958.24	-10.67	-1.14e-03	-22.17	0.0	2196.51	194.39	3.09	5.09	-14.33	1740.94
		1740.94	-14.33	-7.94e-06	0.0	118.5	2196.51	172.22	3.09	5.09	-10.67	1958.24
224	2	1954.55	-3.81	-1.15e-03	-22.17	0.0	2193.88	196.72	3.51	5.34	-7.96	1734.48
		1734.48	-7.96	-4.90e-06	0.0	118.5	2193.88	174.56	3.51	5.34	-3.81	1954.55
225	1	2030.27	-6.42	-8.22e-04	-22.17	0.0	2313.51	150.45	3.58	5.44	-10.67	1865.06
		1865.06	-10.67	-7.77e-06	0.0	118.5	2313.51	128.28	3.58	5.44	-6.42	2030.27
225	2	2027.20	0.84	-8.35e-04	-22.17	0.0	2313.56	152.78	3.92	5.63	-3.81	1859.23
		1859.23	-3.81	-5.52e-06	0.0	118.5	2313.56	130.61	3.92	5.63	0.84	2027.20
226	1	2076.56	-1.57	-4.95e-04	-22.17	0.0	2397.12	106.21	4.09	5.64	-6.42	1963.80
		1963.80	-6.42	-7.66e-06	0.0	118.5	2397.12	84.04	4.09	5.64	-1.57	2076.56
226	2	2074.17	6.07	-5.09e-04	-22.17	0.0	2399.77	108.53	4.41	5.76	0.84	1958.65
		1958.65	0.84	-6.22e-06	0.0	118.5	2399.77	86.37	4.41	5.76	6.07	2074.17
227	1	2104.61	2.77	-1.58e-04	-22.17	0.0	2443.92	67.06	3.66	5.63	-1.57	2038.25
		2038.25	-1.57	-7.33e-06	0.0	118.5	2443.92	44.90	3.66	5.63	2.77	2104.61
227	2	2102.95	10.85	-1.72e-04	-22.17	0.0	2449.10	69.38	4.04	5.67	6.07	2033.84
		2033.84	6.07	-6.76e-06	0.0	118.5	2449.10	47.21	4.04	5.67	10.85	2102.95
228	1	742.84	-26.03	-2.58e-03	-22.17	0.0	471.31	496.66	-6.57	1.63	-26.03	167.22
		167.22	-33.82	-1.91e-05	0.0	118.5	471.31	474.50	-6.57	1.63	-33.82	742.84
228	2	733.90	-30.64	-2.60e-03	-22.17	0.0	449.70	499.10	-5.20	1.53	-30.64	155.38
		155.38	-36.80	-1.19e-05	0.0	118.5	449.70	476.94	-5.20	1.53	-36.80	733.90
229	1	986.33	-33.82	-2.49e-03	-22.17	0.0	822.05	452.50	-1.24	2.26	-33.82	463.05
		463.05	-35.30	-1.66e-05	0.0	118.5	822.05	430.34	-1.24	2.26	-35.30	986.33
229	2	982.04	-35.91	-2.50e-03	-22.17	0.0	798.48	455.12	0.75	2.40	-36.80	455.66
		455.66	-36.80	-9.98e-06	0.0	118.5	798.48	432.95	0.75	2.40	-35.91	982.04
230	1	1210.11	-33.50	-2.34e-03	-22.17	0.0	1131.40	408.14	1.52	3.19	-35.30	739.42

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		739.42	-35.30	-1.52e-05	0.0	118.5	1131.40	385.98	1.52	3.19	-33.50	1210.11
230	2	1207.52	-31.88	-2.36e-03	-22.17	0.0	1108.88	410.40	3.40	3.48	-35.91	734.15
		734.15	-35.91	-9.06e-06	0.0	118.5	1108.88	388.23	3.40	3.48	-31.88	1207.52
231	1	1412.28	-30.03	-2.16e-03	-22.17	0.0	1404.16	365.04	2.93	4.16	-33.50	992.68
		992.68	-33.50	-1.41e-05	0.0	118.5	1404.16	342.88	2.93	4.16	-30.03	1412.28
231	2	1410.71	-26.58	-2.18e-03	-22.17	0.0	1383.48	367.17	4.47	4.53	-31.88	988.59
		988.59	-31.88	-8.55e-06	0.0	118.5	1383.48	345.01	4.47	4.53	-26.58	1410.71
232	1	1588.24	-25.45	-1.95e-03	-22.17	0.0	1646.55	322.44	3.86	4.99	-30.03	1219.14
		1219.14	-30.03	-1.30e-05	0.0	118.5	1646.55	300.28	3.86	4.99	-25.45	1588.24
232	2	1587.63	-20.64	-1.97e-03	-22.17	0.0	1627.73	324.52	5.01	5.38	-26.58	1216.07
		1216.07	-26.58	-8.03e-06	0.0	118.5	1627.73	302.35	5.01	5.38	-20.64	1587.63
233	1	1738.19	-20.14	-1.70e-03	-22.17	0.0	1858.32	279.91	4.48	5.71	-25.45	1419.52
		1419.52	-25.45	-1.21e-05	0.0	118.5	1858.32	257.74	4.48	5.71	-20.14	1738.19
233	2	1738.50	-14.36	-1.72e-03	-22.17	0.0	1841.38	281.95	5.30	6.07	-20.64	1417.41
		1417.41	-20.64	-7.78e-06	0.0	118.5	1841.38	259.78	5.30	6.07	-14.36	1738.50
234	1	1862.08	-14.19	-1.43e-03	-22.17	0.0	2039.33	237.24	5.02	6.27	-20.14	1593.99
		1593.99	-20.14	-1.13e-05	0.0	118.5	2039.33	215.07	5.02	6.27	-14.19	1862.08
234	2	1863.26	-7.75	-1.45e-03	-22.17	0.0	2024.26	239.25	5.58	6.60	-14.36	1592.79
		1592.79	-14.36	-7.76e-06	0.0	118.5	2024.26	217.08	5.58	6.60	-7.75	1863.26
235	1	1959.93	-7.54	-1.13e-03	-22.17	0.0	2189.09	194.25	5.61	6.66	-14.19	1742.79
		1742.79	-14.19	-1.08e-05	0.0	118.5	2189.09	172.09	5.61	6.66	-7.54	1959.93
235	2	1961.92	-0.62	-1.15e-03	-22.17	0.0	2175.95	196.23	6.01	6.93	-7.75	1742.44
		1742.44	-7.75	-7.98e-06	0.0	118.5	2175.95	174.07	6.01	6.93	-0.62	1961.92
236	1	2031.61	-0.11	-8.21e-04	-22.17	0.0	2307.02	150.73	6.26	6.85	-7.54	1866.06
		1866.06	-7.54	-1.05e-05	0.0	118.5	2307.02	128.57	6.26	6.85	-0.11	2031.61
236	2	2034.37	7.19	-8.37e-04	-22.17	0.0	2295.84	152.70	6.59	7.06	-0.62	1866.49
		1866.49	-0.62	-8.43e-06	0.0	118.5	2295.84	130.53	6.59	7.06	7.19	2034.37
237	1	2077.42	7.81	-4.94e-04	-22.17	0.0	2392.29	106.88	6.68	6.85	-0.11	1963.86
		1963.86	-0.11	-1.05e-05	0.0	118.5	2392.29	84.71	6.68	6.85	7.81	2077.42
237	2	2080.85	15.50	-5.09e-04	-22.17	0.0	2383.16	108.83	7.01	6.99	7.19	1964.97
		1964.97	7.19	-9.26e-06	0.0	118.5	2383.16	86.66	7.01	6.99	15.50	2080.85
238	1	2104.81	14.63	-1.56e-04	-22.17	0.0	2441.31	68.01	5.76	6.60	7.81	2037.33
		2037.33	7.81	-1.06e-05	0.0	118.5	2441.31	45.84	5.76	6.60	14.63	2104.81
238	2	2108.80	22.77	-1.71e-04	-22.17	0.0	2434.37	69.96	6.14	6.66	15.50	2039.01
		2039.01	15.50	-1.03e-05	0.0	118.5	2434.37	47.79	6.14	6.66	22.77	2108.80
239	1	795.17	-17.55	-2.64e-03	-22.17	0.0	495.02	529.45	10.50	9.42	-30.01	180.68
		180.68	-30.01	-2.71e-05	0.0	118.5	495.02	507.29	10.50	9.42	-17.55	795.17
239	2	787.12	-21.62	-2.66e-03	-22.17	0.0	470.70	530.70	11.81	9.33	-35.62	171.14

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		171.14	-35.62	-2.03e-05	0.0	118.5	470.70	508.54	11.81	9.33	-21.62	787.12
240	1	1038.57	-1.70	-2.53e-03	-22.17	0.0	887.81	481.03	13.37	9.00	-17.55	481.48
		481.48	-17.55	-2.27e-05	0.0	118.5	887.81	458.86	13.37	9.00	-1.70	1038.57
240	2	1036.22	-3.29	-2.56e-03	-22.17	0.0	858.68	482.65	15.46	9.12	-21.62	477.21
		477.21	-21.62	-1.61e-05	0.0	118.5	858.68	460.48	15.46	9.12	-3.29	1036.22
241	1	1270.02	11.73	-2.39e-03	-22.17	0.0	1219.12	429.48	11.34	8.59	-1.70	774.04
		774.04	-1.70	-2.07e-05	0.0	118.5	1219.12	407.32	11.34	8.59	11.73	1270.02
241	2	1269.95	12.58	-2.41e-03	-22.17	0.0	1189.07	430.88	13.39	8.90	-3.29	772.31
		772.31	-3.29	-1.47e-05	0.0	118.5	1189.07	408.71	13.39	8.90	12.58	1269.95
242	1	1472.43	21.38	-2.20e-03	-22.17	0.0	1511.78	378.63	8.14	7.58	11.73	1036.72
		1036.72	11.73	-1.82e-05	0.0	118.5	1511.78	356.47	8.14	7.58	21.38	1472.43
242	2	1474.30	24.22	-2.22e-03	-22.17	0.0	1481.36	380.05	9.81	8.01	12.58	1036.91
		1036.91	12.58	-1.28e-05	0.0	118.5	1481.36	357.89	9.81	8.01	24.22	1474.30
243	1	1645.98	26.64	-1.97e-03	-22.17	0.0	1765.95	328.26	4.44	6.41	21.38	1269.99
		1269.99	21.38	-1.64e-05	0.0	118.5	1765.95	306.09	4.44	6.41	26.64	1645.98
243	2	1649.56	30.99	-2.00e-03	-22.17	0.0	1735.67	329.80	5.72	6.89	24.22	1271.74
		1271.74	24.22	-1.17e-05	0.0	118.5	1735.67	307.64	5.72	6.89	30.99	1649.56
244	1	1790.25	27.03	-1.72e-03	-22.17	0.0	1982.48	278.17	0.33	5.14	26.64	1473.63
		1473.63	26.64	-1.51e-05	0.0	118.5	1982.48	256.00	0.33	5.14	27.03	1790.25
244	2	1795.42	32.52	-1.74e-03	-22.17	0.0	1952.72	279.86	1.29	5.62	30.99	1476.80
		1476.80	30.99	-1.10e-05	0.0	118.5	1952.72	257.69	1.29	5.62	32.52	1795.42
245	1	1905.21	27.03	-1.44e-03	-22.17	0.0	2161.75	228.33	-4.58	3.93	27.03	1647.67
		1647.67	21.61	-1.41e-05	0.0	118.5	2161.75	206.17	-4.58	3.93	21.61	1905.21
245	2	1911.83	32.52	-1.46e-03	-22.17	0.0	2132.86	230.15	-3.84	4.39	32.52	1652.14
		1652.14	27.96	-1.07e-05	0.0	118.5	2132.86	207.98	-3.84	4.39	27.96	1911.83
246	1	1990.77	21.61	-1.13e-03	-22.17	0.0	2304.26	178.73	-10.68	2.97	21.61	1792.02
		1792.02	8.94	-1.32e-05	0.0	118.5	2304.26	156.57	-10.68	2.97	8.94	1990.77
246	2	1998.71	27.96	-1.15e-03	-22.17	0.0	2276.54	180.65	-10.07	3.37	27.96	1797.70
		1797.70	16.02	-1.06e-05	0.0	118.5	2276.54	158.49	-10.07	3.37	16.02	1998.71
247	1	2046.92	8.94	-8.15e-04	-22.17	0.0	2410.42	129.41	-18.05	2.48	8.94	1906.65
		1906.65	-12.46	-1.23e-05	0.0	118.5	2410.42	107.24	-18.05	2.48	-12.46	2046.92
247	2	2056.03	16.02	-8.33e-04	-22.17	0.0	2384.20	131.40	-17.46	2.81	16.02	1913.40
		1913.40	-4.67	-1.05e-05	0.0	118.5	2384.20	109.24	-17.46	2.81	-4.67	2056.03
248	1	2074.44	-12.46	-4.84e-04	-22.17	0.0	2481.32	81.53	-25.94	2.81	-12.46	1990.93
		1990.93	-43.21	-1.15e-05	0.0	118.5	2481.32	59.37	-25.94	2.81	-43.21	2074.44
248	2	2084.52	-4.67	-5.01e-04	-22.17	0.0	2456.92	83.57	-25.27	3.04	-4.67	1998.59
		1998.59	-34.63	-1.05e-05	0.0	118.5	2456.92	61.41	-25.27	3.04	-34.63	2084.52
249	1	2080.35	-43.21	-1.47e-04	-22.17	0.0	2517.00	41.44	-32.68	4.11	-43.21	2044.37

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		2044.37	-81.95	-1.01e-05	0.0	118.5	2517.00	19.27	-32.68	4.11	-81.95	2080.35
249	2	2091.12	-34.63	-1.62e-04	-22.17	0.0	2494.79	43.49	-31.92	4.24	-34.63	2052.71
		2052.71	-72.46	-9.94e-06	0.0	118.5	2494.79	21.32	-31.92	4.24	-72.46	2091.12
250	1	0.08	2.63e-06	-0.01	-1.89	0.0	-0.15	0.95	1.13e-05	-2.48e-05	-8.61e-06	-0.16
		-0.16	-8.61e-06	-5.98e-06	0.0	99.0	-0.15	-0.95	1.13e-05	-2.48e-05	2.63e-06	-0.16
250	2	0.08	2.68e-06	-0.01	-1.89	0.0	-0.14	0.95	1.17e-05	-2.40e-05	-8.90e-06	-0.16
		-0.16	-8.90e-06	-2.65e-06	0.0	99.0	-0.14	-0.95	1.17e-05	-2.40e-05	2.68e-06	-0.16
251	1	0.08	2.40e-06	-0.01	-1.89	0.0	-0.27	0.95	-2.06e-06	-2.13e-05	2.40e-06	-0.16
		-0.16	0.0	-6.54e-06	0.0	99.0	-0.27	-0.95	-2.06e-06	-2.13e-05	0.0	-0.16
251	2	0.08	2.53e-06	-0.01	-1.89	0.0	-0.27	0.95	-2.15e-06	-2.12e-05	2.53e-06	-0.16
		-0.16	0.0	-2.04e-06	0.0	99.0	-0.27	-0.95	-2.15e-06	-2.12e-05	0.0	-0.16
252	1	0.08	1.09e-06	-0.01	-1.89	0.0	-0.38	0.95	0.0	-1.34e-05	0.0	-0.16
		-0.16	0.0	-8.02e-06	0.0	99.0	-0.38	-0.95	0.0	-1.34e-05	1.09e-06	-0.16
252	2	0.08	1.20e-06	-0.01	-1.89	0.0	-0.37	0.95	0.0	-1.32e-05	0.0	-0.16
		-0.16	0.0	0.0	0.0	99.0	-0.37	-0.95	0.0	-1.32e-05	1.20e-06	-0.16
253	1	0.08	0.0	-0.01	-1.89	0.0	-0.50	0.95	-1.00e-06	-6.71e-06	0.0	-0.16
		-0.16	0.0	-9.40e-06	0.0	99.0	-0.50	-0.95	-1.00e-06	-6.71e-06	0.0	-0.16
253	2	0.08	1.14e-06	-0.01	-1.89	0.0	-0.48	0.95	-1.05e-06	-6.41e-06	1.14e-06	-0.16
		-0.16	0.0	-1.29e-06	0.0	99.0	-0.48	-0.95	-1.05e-06	-6.41e-06	0.0	-0.16
254	1	0.08	0.0	-0.01	-1.89	0.0	-0.59	0.95	0.0	-1.48e-06	0.0	-0.16
		-0.16	0.0	-9.75e-06	0.0	99.0	-0.59	-0.95	0.0	-1.48e-06	0.0	-0.16
254	2	0.08	0.0	-0.01	-1.89	0.0	-0.57	0.95	0.0	-1.11e-06	0.0	-0.16
		-0.16	0.0	-1.95e-06	0.0	99.0	-0.57	-0.95	0.0	-1.11e-06	0.0	-0.16
255	1	0.08	0.0	-0.01	-1.89	0.0	-0.67	0.95	0.0	2.95e-06	0.0	-0.16
		-0.16	0.0	-1.02e-05	0.0	99.0	-0.67	-0.95	0.0	2.95e-06	0.0	-0.16
255	2	0.08	0.0	-0.01	-1.89	0.0	-0.65	0.95	0.0	3.35e-06	0.0	-0.16
		-0.16	0.0	-2.79e-06	0.0	99.0	-0.65	-0.95	0.0	3.35e-06	0.0	-0.16
256	1	0.08	0.0	-0.01	-1.89	0.0	-0.74	0.95	0.0	7.54e-06	0.0	-0.16
		-0.16	0.0	-1.06e-05	0.0	99.0	-0.74	-0.95	0.0	7.54e-06	0.0	-0.16
256	2	0.08	0.0	-0.01	-1.89	0.0	-0.72	0.95	0.0	7.93e-06	0.0	-0.16
		-0.16	0.0	-3.55e-06	0.0	99.0	-0.72	-0.95	0.0	7.93e-06	0.0	-0.16
257	1	0.08	0.0	-0.01	-1.89	0.0	-0.80	0.95	0.0	1.33e-05	0.0	-0.16
		-0.16	0.0	-1.11e-05	0.0	99.0	-0.80	-0.95	0.0	1.33e-05	0.0	-0.16
257	2	0.08	0.0	-0.01	-1.89	0.0	-0.78	0.95	0.0	1.37e-05	0.0	-0.16
		-0.16	0.0	-4.38e-06	0.0	99.0	-0.78	-0.95	0.0	1.37e-05	0.0	-0.16
258	1	0.08	0.0	-0.01	-1.89	0.0	-0.85	0.95	0.0	2.11e-05	0.0	-0.16
		-0.16	0.0	-1.15e-05	0.0	99.0	-0.85	-0.95	0.0	2.11e-05	0.0	-0.16
258	2	0.08	0.0	-0.01	-1.89	0.0	-0.82	0.95	0.0	2.15e-05	0.0	-0.16

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		-0.16	0.0	-5.22e-06	0.0	99.0	-0.82	-0.95	0.0	2.15e-05	0.0	-0.16
259	1	0.08	0.0	-0.01	-1.89	0.0	-0.87	0.95	-2.89e-06	3.03e-05	0.0	-0.16
		-0.16	-1.91e-06	-1.16e-05	0.0	99.0	-0.87	-0.95	-2.89e-06	3.03e-05	-1.91e-06	-0.16
259	2	0.08	1.17e-06	-0.01	-1.89	0.0	-0.84	0.95	-2.95e-06	3.06e-05	1.17e-06	-0.16
		-0.16	-1.75e-06	-5.78e-06	0.0	99.0	-0.84	-0.95	-2.95e-06	3.06e-05	-1.75e-06	-0.16
260	1	0.08	1.39e-05	-0.01	-1.89	0.0	-0.87	0.95	1.70e-05	2.68e-05	-2.86e-06	-0.16
		-0.16	-2.86e-06	-1.37e-05	0.0	99.0	-0.87	-0.95	1.70e-05	2.68e-05	1.39e-05	-0.16
260	2	0.08	1.41e-05	-0.01	-1.89	0.0	-0.84	0.95	1.69e-05	2.70e-05	-2.68e-06	-0.16
		-0.16	-2.68e-06	-8.20e-06	0.0	99.0	-0.84	-0.95	1.69e-05	2.70e-05	1.41e-05	-0.16
261	1	0.08	6.13e-06	-0.01	-1.89	0.0	-0.87	0.95	-7.59e-06	-1.89e-05	6.13e-06	-0.16
		-0.16	-1.39e-06	-1.65e-05	0.0	99.0	-0.87	-0.95	-7.59e-06	-1.89e-05	-1.39e-06	-0.16
261	2	0.08	6.16e-06	-0.01	-1.89	0.0	-0.84	0.95	-7.36e-06	-1.91e-05	6.16e-06	-0.16
		-0.16	-1.13e-06	-1.22e-05	0.0	99.0	-0.84	-0.95	-7.36e-06	-1.91e-05	-1.13e-06	-0.16
262	1	0.08	0.0	-0.01	-1.89	0.0	-0.85	0.95	1.68e-06	-1.01e-05	0.0	-0.16
		-0.16	0.0	-1.71e-05	0.0	99.0	-0.85	-0.95	1.68e-06	-1.01e-05	0.0	-0.16
262	2	0.08	1.05e-06	-0.01	-1.89	0.0	-0.83	0.95	1.66e-06	-1.04e-05	0.0	-0.16
		-0.16	0.0	-1.33e-05	0.0	99.0	-0.83	-0.95	1.66e-06	-1.04e-05	1.05e-06	-0.16
263	1	0.08	1.15e-06	-0.01	-1.89	0.0	-0.82	0.95	0.0	-3.16e-06	1.15e-06	-0.16
		-0.16	0.0	-1.81e-05	0.0	99.0	-0.82	-0.95	0.0	-3.16e-06	0.0	-0.16
263	2	0.08	1.33e-06	-0.01	-1.89	0.0	-0.79	0.95	0.0	-3.45e-06	1.33e-06	-0.16
		-0.16	0.0	-1.47e-05	0.0	99.0	-0.79	-0.95	0.0	-3.45e-06	0.0	-0.16
264	1	0.08	0.0	-0.01	-1.89	0.0	-0.77	0.95	0.0	1.96e-06	0.0	-0.16
		-0.16	0.0	-1.91e-05	0.0	99.0	-0.77	-0.95	0.0	1.96e-06	0.0	-0.16
264	2	0.08	0.0	-0.01	-1.89	0.0	-0.74	0.95	0.0	1.63e-06	0.0	-0.16
		-0.16	0.0	-1.62e-05	0.0	99.0	-0.74	-0.95	0.0	1.63e-06	0.0	-0.16
265	1	0.08	0.0	-0.01	-1.89	0.0	-0.70	0.95	0.0	5.81e-06	0.0	-0.16
		-0.16	0.0	-2.03e-05	0.0	99.0	-0.70	-0.95	0.0	5.81e-06	0.0	-0.16
265	2	0.08	1.10e-06	-0.01	-1.89	0.0	-0.68	0.95	0.0	5.42e-06	1.10e-06	-0.16
		-0.16	0.0	-1.77e-05	0.0	99.0	-0.68	-0.95	0.0	5.42e-06	0.0	-0.16
266	1	0.08	1.11e-06	-0.01	-1.89	0.0	-0.62	0.95	0.0	9.42e-06	1.11e-06	-0.16
		-0.16	0.0	-2.15e-05	0.0	99.0	-0.62	-0.95	0.0	9.42e-06	0.0	-0.16
266	2	0.08	1.26e-06	-0.01	-1.89	0.0	-0.60	0.95	0.0	8.96e-06	1.26e-06	-0.16
		-0.16	0.0	-1.93e-05	0.0	99.0	-0.60	-0.95	0.0	8.96e-06	0.0	-0.16
267	1	0.08	1.11e-06	-0.01	-1.89	0.0	-0.53	0.95	0.0	1.38e-05	1.11e-06	-0.16
		-0.16	0.0	-2.30e-05	0.0	99.0	-0.53	-0.95	0.0	1.38e-05	0.0	-0.16
267	2	0.08	1.26e-06	-0.01	-1.89	0.0	-0.51	0.95	0.0	1.32e-05	1.26e-06	-0.16
		-0.16	0.0	-2.11e-05	0.0	99.0	-0.51	-0.95	0.0	1.32e-05	0.0	-0.16
268	1	0.08	1.74e-06	-0.01	-1.89	0.0	-0.42	0.95	-1.52e-06	2.01e-05	1.74e-06	-0.16

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		-0.16	0.0	-2.50e-05	0.0	99.0	-0.42	-0.95	-1.52e-06	2.01e-05	0.0	-0.16
268	2	0.08	1.83e-06	-0.01	-1.89	0.0	-0.41	0.95	-1.61e-06	1.93e-05	1.83e-06	-0.16
		-0.16	0.0	-2.33e-05	0.0	99.0	-0.41	-0.95	-1.61e-06	1.93e-05	0.0	-0.16
269	1	0.08	3.80e-06	-0.01	-1.89	0.0	-0.31	0.95	2.76e-06	2.86e-05	1.07e-06	-0.16
		-0.16	1.07e-06	-2.77e-05	0.0	99.0	-0.31	-0.95	2.76e-06	2.86e-05	3.80e-06	-0.16
269	2	0.08	3.43e-06	-0.01	-1.89	0.0	-0.31	0.95	2.36e-06	2.77e-05	1.09e-06	-0.16
		-0.16	1.09e-06	-2.60e-05	0.0	99.0	-0.31	-0.95	2.36e-06	2.77e-05	3.43e-06	-0.16
270	1	0.08	5.13e-06	-0.01	-1.89	0.0	-0.20	0.95	-1.84e-05	3.65e-05	5.13e-06	-0.16
		-0.16	-1.31e-05	-2.96e-05	0.0	99.0	-0.20	-0.95	-1.84e-05	3.65e-05	-1.31e-05	-0.16
270	2	0.08	4.76e-06	-0.01	-1.89	0.0	-0.20	0.95	-1.80e-05	3.56e-05	4.76e-06	-0.16
		-0.16	-1.31e-05	-2.73e-05	0.0	99.0	-0.20	-0.95	-1.80e-05	3.56e-05	-1.31e-05	-0.16
271	1	0.08	6.29e-05	-0.01	-1.89	0.0	-0.05	0.95	8.28e-05	2.47e-05	-1.91e-05	-0.16
		-0.16	-1.91e-05	-3.13e-05	0.0	99.0	-0.05	-0.95	8.28e-05	2.47e-05	6.29e-05	-0.16
271	2	0.08	6.08e-05	-0.01	-1.89	0.0	-0.05	0.95	8.04e-05	2.46e-05	-1.89e-05	-0.16
		-0.16	-1.89e-05	-2.83e-05	0.0	99.0	-0.05	-0.95	8.04e-05	2.46e-05	6.08e-05	-0.16
272	1	541.12	-11.02	-1.28e-03	-18.52	0.0	344.51	436.41	-18.19	-4.60	-11.02	118.14
		118.14	-29.04	-9.03e-06	0.0	99.0	344.51	417.89	-18.19	-4.60	-29.04	541.12
272	2	537.93	-12.07	-1.28e-03	-18.52	0.0	344.75	439.56	-17.05	-4.36	-12.07	111.82
		111.82	-28.95	0.0	0.0	99.0	344.75	421.04	-17.05	-4.36	-28.95	537.93
273	1	715.41	-29.04	-1.23e-03	-18.52	0.0	611.12	400.15	-13.00	-3.50	-29.04	328.33
		328.33	-41.90	-9.82e-06	0.0	99.0	611.12	381.63	-13.00	-3.50	-41.90	715.41
273	2	713.05	-28.95	-1.23e-03	-18.52	0.0	614.71	403.64	-11.83	-3.22	-28.95	322.52
		322.52	-40.67	-1.24e-06	0.0	99.0	614.71	385.12	-11.83	-3.22	-40.67	713.05
274	1	875.86	-41.90	-1.16e-03	-18.52	0.0	843.85	359.52	-7.95	-2.13	-41.90	529.01
		529.01	-49.78	-1.02e-05	0.0	99.0	843.85	341.01	-7.95	-2.13	-49.78	875.86
274	2	873.73	-40.67	-1.16e-03	-18.52	0.0	851.31	362.91	-6.95	-1.81	-40.67	523.52
		523.52	-47.56	-1.86e-06	0.0	99.0	851.31	344.39	-6.95	-1.81	-47.56	873.73
275	1	1018.21	-49.78	-1.07e-03	-18.52	0.0	1048.94	318.69	-3.12	-0.43	-49.78	711.80
		711.80	-52.87	-1.09e-05	0.0	99.0	1048.94	300.17	-3.12	-0.43	-52.87	1018.21
275	2	1016.20	-47.56	-1.07e-03	-18.52	0.0	1060.27	321.95	-2.28	-0.11	-47.56	706.56
		706.56	-49.81	-2.80e-06	0.0	99.0	1060.27	303.44	-2.28	-0.11	-49.81	1016.20
276	1	1141.36	-51.01	-9.58e-04	-18.52	0.0	1227.82	278.00	1.88	1.26	-52.87	875.24
		875.24	-52.87	-1.12e-05	0.0	99.0	1227.82	259.48	1.88	1.26	-51.01	1141.36
276	2	1139.49	-47.25	-9.64e-04	-18.52	0.0	1242.90	281.17	2.59	1.59	-49.81	870.22
		870.22	-49.81	-3.45e-06	0.0	99.0	1242.90	262.66	2.59	1.59	-47.25	1139.49
277	1	1244.98	-43.94	-8.35e-04	-18.52	0.0	1380.86	237.36	7.13	2.87	-51.01	1019.10
		1019.10	-51.01	-1.14e-05	0.0	99.0	1380.86	218.84	7.13	2.87	-43.94	1244.98
277	2	1243.29	-39.57	-8.41e-04	-18.52	0.0	1399.55	240.45	7.76	3.18	-47.25	1014.35

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		1014.35	-47.25	-4.03e-06	0.0	99.0	1399.55	221.94	7.76	3.18	-39.57	1243.29
278	1	1328.81	-31.20	-6.98e-04	-18.52	0.0	1508.39	196.73	12.87	4.25	-43.94	1143.17
		1143.17	-43.94	-1.16e-05	0.0	99.0	1508.39	178.22	12.87	4.25	-31.20	1328.81
278	2	1327.40	-26.24	-7.05e-04	-18.52	0.0	1530.51	199.76	13.46	4.54	-39.57	1138.75
		1138.75	-39.57	-4.61e-06	0.0	99.0	1530.51	181.25	13.46	4.54	-26.24	1327.40
279	1	1392.75	-12.24	-5.51e-04	-18.52	0.0	1610.63	156.15	19.15	5.25	-31.20	1247.29
		1247.29	-31.20	-1.19e-05	0.0	99.0	1610.63	137.64	19.15	5.25	-12.24	1392.75
279	2	1391.69	-6.70	-5.58e-04	-18.52	0.0	1636.01	159.13	19.74	5.50	-26.24	1243.28
		1243.28	-26.24	-5.27e-06	0.0	99.0	1636.01	140.61	19.74	5.50	-6.70	1391.69
280	1	1436.84	12.96	-3.95e-04	-18.52	0.0	1687.99	115.96	25.45	5.69	-12.24	1331.17
		1331.17	-12.24	-1.22e-05	0.0	99.0	1687.99	97.44	25.45	5.69	12.96	1436.84
280	2	1436.24	19.13	-4.02e-04	-18.52	0.0	1716.43	118.90	26.08	5.89	-6.70	1327.67
		1327.67	-6.70	-6.01e-06	0.0	99.0	1716.43	100.38	26.08	5.89	19.13	1436.24
281	1	1462.60	43.21	-2.33e-04	-18.52	0.0	1741.10	77.82	30.54	5.34	12.96	1394.70
		1394.70	12.96	-1.25e-05	0.0	99.0	1741.10	59.30	30.54	5.34	43.21	1462.60
281	2	1462.60	50.09	-2.41e-04	-18.52	0.0	1772.42	80.74	31.26	5.48	19.13	1391.82
		1391.82	19.13	-6.75e-06	0.0	99.0	1772.42	62.22	31.26	5.48	50.09	1462.60
282	1	1478.92	75.10	-6.81e-05	-18.52	0.0	1770.09	50.60	32.21	4.09	43.21	1437.97
		1437.97	43.21	-1.28e-05	0.0	99.0	1770.09	32.09	32.21	4.09	75.10	1478.92
282	2	1479.65	82.77	-7.50e-05	-18.52	0.0	1804.12	53.53	33.01	4.15	50.09	1435.81
		1435.81	50.09	-7.52e-06	0.0	99.0	1804.12	35.01	33.01	4.15	82.77	1479.65
283	1	1469.02	37.35	-2.68e-04	-18.52	0.0	1743.53	-61.04	-24.11	2.01	37.35	1469.02
		1399.41	13.47	-1.61e-05	0.0	99.0	1743.53	-79.55	-24.11	2.01	13.47	1399.41
283	2	1468.37	44.28	-2.60e-04	-18.52	0.0	1782.87	-58.41	-24.75	1.93	44.28	1468.37
		1401.37	19.77	-1.19e-05	0.0	99.0	1782.87	-76.92	-24.75	1.93	19.77	1401.37
284	1	1444.93	13.47	-4.31e-04	-18.52	0.0	1685.70	-100.45	-18.15	1.77	13.47	1444.93
		1336.29	-4.50	-1.68e-05	0.0	99.0	1685.70	-118.97	-18.15	1.77	-4.50	1336.29
284	2	1445.28	19.77	-4.23e-04	-18.52	0.0	1727.05	-97.84	-18.72	1.62	19.77	1445.28
		1339.22	1.24	-1.31e-05	0.0	99.0	1727.05	-116.36	-18.72	1.62	1.24	1339.22
285	1	1401.66	-4.50	-5.87e-04	-18.52	0.0	1603.01	-141.60	-12.05	2.11	-4.50	1401.66
		1252.27	-16.44	-1.76e-05	0.0	99.0	1603.01	-160.12	-12.05	2.11	-16.44	1252.27
285	2	1403.15	1.24	-5.80e-04	-18.52	0.0	1646.15	-139.02	-12.59	1.91	1.24	1403.15
		1256.32	-11.23	-1.43e-05	0.0	99.0	1646.15	-157.54	-12.59	1.91	-11.23	1256.32
286	1	1338.04	-16.44	-7.35e-04	-18.52	0.0	1494.85	-183.04	-6.48	2.82	-16.44	1338.04
		1147.62	-22.86	-1.85e-05	0.0	99.0	1494.85	-201.56	-6.48	2.82	-22.86	1147.62
286	2	1340.82	-11.23	-7.28e-04	-18.52	0.0	1539.59	-180.50	-7.05	2.59	-11.23	1340.82
		1152.91	-18.21	-1.56e-05	0.0	99.0	1539.59	-199.01	-7.05	2.59	-18.21	1152.91
287	1	1254.02	-22.86	-8.72e-04	-18.52	0.0	1360.96	-224.64	-1.63	3.76	-22.86	1254.02

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		1022.40	-24.47	-1.94e-05	0.0	99.0	1360.96	-243.16	-1.63	3.76	-24.47	1022.40
287	2	1258.17	-18.21	-8.66e-04	-18.52	0.0	1407.11	-222.14	-2.28	3.51	-18.21	1258.17
		1029.03	-20.46	-1.69e-05	0.0	99.0	1407.11	-240.66	-2.28	3.51	-20.46	1029.03
288	1	1149.67	-21.91	-9.96e-04	-18.52	0.0	1201.00	-266.43	2.59	4.81	-24.47	1149.67
		876.67	-24.47	-2.05e-05	0.0	99.0	1201.00	-284.94	2.59	4.81	-21.91	876.67
288	2	1155.26	-18.67	-9.91e-04	-18.52	0.0	1248.45	-263.98	1.82	4.54	-20.46	1155.26
		884.69	-20.46	-1.84e-05	0.0	99.0	1248.45	-282.49	1.82	4.54	-18.67	884.69
289	1	1025.11	-15.64	-1.10e-03	-18.52	0.0	1014.65	-308.43	6.33	5.86	-21.91	1025.11
		710.52	-21.91	-2.19e-05	0.0	99.0	1014.65	-326.95	6.33	5.86	-15.64	710.52
289	2	1032.12	-13.34	-1.10e-03	-18.52	0.0	1063.33	-306.04	5.38	5.57	-18.67	1032.12
		719.90	-18.67	-2.01e-05	0.0	99.0	1063.33	-324.56	5.38	5.57	-13.34	719.90
290	1	880.65	-6.31	-1.20e-03	-18.52	0.0	801.30	-350.68	9.42	6.85	-15.64	880.65
		524.22	-15.64	-2.37e-05	0.0	99.0	801.30	-369.19	9.42	6.85	-6.31	524.22
290	2	888.95	-5.11	-1.19e-03	-18.52	0.0	851.31	-348.36	8.30	6.54	-13.34	888.95
		534.82	-13.34	-2.21e-05	0.0	99.0	851.31	-366.87	8.30	6.54	-5.11	534.82
291	1	717.48	5.10	-1.27e-03	-18.52	0.0	559.25	-392.80	11.52	7.45	-6.31	717.48
		319.33	-6.31	-2.52e-05	0.0	99.0	559.25	-411.32	11.52	7.45	5.10	319.33
291	2	726.72	5.06	-1.26e-03	-18.52	0.0	610.93	-390.57	10.27	7.11	-5.11	726.72
		330.79	-5.11	-2.36e-05	0.0	99.0	610.93	-409.09	10.27	7.11	5.06	330.79
292	1	548.26	15.36	-1.32e-03	-18.52	0.0	272.66	-431.95	10.36	8.13	5.10	548.26
		111.35	5.10	-2.81e-05	0.0	99.0	272.66	-450.47	10.36	8.13	15.36	111.35
292	2	556.85	14.01	-1.31e-03	-18.52	0.0	327.89	-429.93	9.05	7.78	5.06	556.85
		121.95	5.06	-2.64e-05	0.0	99.0	327.89	-448.44	9.05	7.78	14.01	121.95
293	1	435.59	21.16	-1.35e-03	-18.52	0.0	-142.33	-430.62	5.86	6.91	15.36	435.59
		0.0	15.36	-2.54e-05	0.0	99.0	-142.33	-449.14	5.86	6.91	21.16	0.0
293	2	436.35	19.71	-1.35e-03	-18.52	0.0	-74.17	-431.39	5.75	5.96	14.01	436.35
		0.0	14.01	-2.15e-05	0.0	99.0	-74.17	-449.90	5.75	5.96	19.71	0.0
294	1	516.21	-13.87	-1.25e-03	-18.52	0.0	322.20	413.30	-6.14	0.12	-13.87	116.12
		116.12	-19.95	-1.56e-05	0.0	99.0	322.20	394.78	-6.14	0.12	-19.95	516.21
294	2	514.52	-15.26	-1.26e-03	-18.52	0.0	320.26	415.84	-4.78	0.28	-15.26	111.90
		111.90	-19.99	-6.72e-06	0.0	99.0	320.26	397.33	-4.78	0.28	-19.99	514.52
295	1	692.27	-19.95	-1.20e-03	-18.52	0.0	561.07	379.43	-1.71	0.49	-19.95	325.71
		325.71	-21.64	-1.48e-05	0.0	99.0	561.07	360.91	-1.71	0.49	-21.64	692.27
295	2	691.94	-19.99	-1.21e-03	-18.52	0.0	561.06	382.34	-0.39	0.73	-19.99	322.49
		322.49	-20.37	-6.23e-06	0.0	99.0	561.06	363.83	-0.39	0.73	-20.37	691.94
296	1	849.71	-21.12	-1.14e-03	-18.52	0.0	776.74	342.33	0.53	1.02	-21.64	519.89
		519.89	-21.64	-1.44e-05	0.0	99.0	776.74	323.82	0.53	1.02	-21.12	849.71
296	2	850.01	-18.74	-1.14e-03	-18.52	0.0	779.38	345.14	1.65	1.30	-20.37	517.40

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		517.40	-20.37	-6.08e-06	0.0	99.0	779.38	326.62	1.65	1.30	-18.74	850.01
297	1	990.85	-19.55	-1.05e-03	-18.52	0.0	968.00	305.93	1.59	1.61	-21.12	697.07
		697.07	-21.12	-1.42e-05	0.0	99.0	968.00	287.41	1.59	1.61	-19.55	990.85
297	2	991.65	-16.29	-1.06e-03	-18.52	0.0	973.39	308.68	2.48	1.91	-18.74	695.15
		695.15	-18.74	-6.21e-06	0.0	99.0	973.39	290.16	2.48	1.91	-16.29	991.65
298	1	1114.00	-17.42	-9.41e-04	-18.52	0.0	1137.20	269.91	2.15	2.15	-19.55	855.89
		855.89	-19.55	-1.40e-05	0.0	99.0	1137.20	251.39	2.15	2.15	-17.42	1114.00
298	2	1115.33	-13.47	-9.51e-04	-18.52	0.0	1145.31	272.64	2.84	2.45	-16.29	854.52
		854.52	-16.29	-6.35e-06	0.0	99.0	1145.31	254.13	2.84	2.45	-13.47	1115.33
299	1	1219.02	-14.98	-8.21e-04	-18.52	0.0	1284.43	233.88	2.47	2.64	-17.42	996.58
		996.58	-17.42	-1.39e-05	0.0	99.0	1284.43	215.37	2.47	2.64	-14.98	1219.02
299	2	1220.93	-10.51	-8.31e-04	-18.52	0.0	1295.21	236.62	2.99	2.93	-13.47	995.78
		995.78	-13.47	-6.56e-06	0.0	99.0	1295.21	218.11	2.99	2.93	-10.51	1220.93
300	1	1305.77	-12.28	-6.87e-04	-18.52	0.0	1409.57	197.67	2.73	3.07	-14.98	1119.20
		1119.20	-14.98	-1.37e-05	0.0	99.0	1409.57	179.15	2.73	3.07	-12.28	1305.77
300	2	1308.31	-7.41	-6.97e-04	-18.52	0.0	1422.98	200.41	3.13	3.33	-10.51	1119.02
		1119.02	-10.51	-6.83e-06	0.0	99.0	1422.98	181.90	3.13	3.33	-7.41	1308.31
301	1	1374.17	-9.27	-5.43e-04	-18.52	0.0	1512.39	161.11	3.03	3.42	-12.28	1223.80
		1223.80	-12.28	-1.36e-05	0.0	99.0	1512.39	142.60	3.03	3.42	-9.27	1374.17
301	2	1377.38	-4.07	-5.52e-04	-18.52	0.0	1528.36	163.86	3.37	3.65	-7.41	1224.29
		1224.29	-7.41	-7.17e-06	0.0	99.0	1528.36	145.34	3.37	3.65	-4.07	1377.38
302	1	1424.15	-5.93	-3.89e-04	-18.52	0.0	1592.48	124.11	3.38	3.69	-9.27	1310.42
		1310.42	-9.27	-1.36e-05	0.0	99.0	1592.48	105.59	3.38	3.69	-5.93	1424.15
302	2	1428.08	-0.43	-3.98e-04	-18.52	0.0	1610.96	126.86	3.68	3.89	-4.07	1311.62
		1311.62	-4.07	-7.57e-06	0.0	99.0	1610.96	108.34	3.68	3.89	-0.43	1428.08
303	1	1456.31	-2.45	-2.29e-04	-18.52	0.0	1649.31	87.28	3.51	3.86	-5.93	1379.05
		1379.05	-5.93	-1.36e-05	0.0	99.0	1649.31	68.77	3.51	3.86	-2.45	1456.31
303	2	1461.00	3.35	-2.37e-04	-18.52	0.0	1670.26	90.04	3.81	4.02	-0.43	1381.01
		1381.01	-0.43	-8.00e-06	0.0	99.0	1670.26	71.52	3.81	4.02	3.35	1461.00
304	1	1477.10	0.39	-6.46e-05	-18.52	0.0	1680.78	56.16	2.86	3.90	-2.45	1430.66
		1430.66	-2.45	-1.34e-05	0.0	99.0	1680.78	37.64	2.86	3.90	0.39	1477.10
304	2	1482.59	6.50	-7.22e-05	-18.52	0.0	1704.15	58.92	3.18	4.02	3.35	1433.41
		1433.41	3.35	-8.34e-06	0.0	99.0	1704.15	40.41	3.18	4.02	6.50	1482.59
305	1	1456.77	1.61	-2.70e-04	-18.52	0.0	1640.19	-75.27	6.71	4.80	-5.03	1456.77
		1373.07	-5.03	-1.55e-05	0.0	99.0	1640.19	-93.79	6.71	4.80	1.61	1373.07
305	2	1460.81	6.98	-2.62e-04	-18.52	0.0	1668.44	-72.95	6.54	4.85	0.51	1460.81
		1379.41	0.51	-1.14e-05	0.0	99.0	1668.44	-91.46	6.54	4.85	6.98	1379.41
306	1	1422.84	7.91	-4.30e-04	-18.52	0.0	1577.48	-111.77	6.36	4.81	1.61	1422.84

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		1302.98	1.61	-1.57e-05	0.0	99.0	1577.48	-130.29	6.36	4.81	7.91	1302.98
306	2	1427.53	13.13	-4.23e-04	-18.52	0.0	1607.80	-109.45	6.21	4.82	6.98	1427.53
		1309.98	6.98	-1.21e-05	0.0	99.0	1607.80	-127.96	6.21	4.82	13.13	1309.98
307	1	1371.00	13.40	-5.82e-04	-18.52	0.0	1492.00	-148.38	5.55	4.67	7.91	1371.00
		1214.90	7.91	-1.61e-05	0.0	99.0	1492.00	-166.90	5.55	4.67	13.40	1214.90
307	2	1376.39	18.49	-5.76e-04	-18.52	0.0	1524.32	-146.05	5.41	4.66	13.13	1376.39
		1222.59	13.13	-1.29e-05	0.0	99.0	1524.32	-164.57	5.41	4.66	18.49	1222.59
308	1	1300.76	17.90	-7.26e-04	-18.52	0.0	1384.23	-184.55	4.55	4.41	13.40	1300.76
		1108.84	13.40	-1.66e-05	0.0	99.0	1384.23	-203.07	4.55	4.41	17.90	1108.84
308	2	1306.86	22.83	-7.21e-04	-18.52	0.0	1418.54	-182.22	4.39	4.36	18.49	1306.86
		1117.26	18.49	-1.38e-05	0.0	99.0	1418.54	-200.73	4.39	4.36	22.83	1117.26
309	1	1212.15	21.29	-8.59e-04	-18.52	0.0	1254.60	-220.44	3.42	4.03	17.90	1212.15
		984.70	17.90	-1.72e-05	0.0	99.0	1254.60	-238.95	3.42	4.03	21.29	984.70
309	2	1218.99	26.01	-8.55e-04	-18.52	0.0	1290.88	-218.11	3.21	3.94	22.83	1218.99
		993.84	22.83	-1.48e-05	0.0	99.0	1290.88	-236.62	3.21	3.94	26.01	993.84
310	1	1105.22	23.40	-9.78e-04	-18.52	0.0	1103.37	-256.22	2.14	3.58	21.29	1105.22
		842.34	21.29	-1.79e-05	0.0	99.0	1103.37	-274.73	2.14	3.58	23.40	842.34
310	2	1112.80	27.82	-9.75e-04	-18.52	0.0	1141.60	-253.90	1.83	3.45	26.01	1112.80
		852.22	26.01	-1.59e-05	0.0	99.0	1141.60	-272.41	1.83	3.45	27.82	852.22
311	1	980.13	24.06	-1.08e-03	-18.52	0.0	930.48	-292.07	0.67	3.09	23.40	980.13
		681.74	23.40	-1.86e-05	0.0	99.0	930.48	-310.59	0.67	3.09	24.06	681.74
311	2	988.48	28.02	-1.08e-03	-18.52	0.0	970.62	-289.76	0.20	2.92	27.82	988.48
		692.37	27.82	-1.70e-05	0.0	99.0	970.62	-308.28	0.20	2.92	28.02	692.37
312	1	837.23	24.06	-1.17e-03	-18.52	0.0	735.48	-328.29	-0.94	2.54	24.06	837.23
		502.97	23.13	-1.93e-05	0.0	99.0	735.48	-346.81	-0.94	2.54	23.13	502.97
312	2	846.36	28.02	-1.17e-03	-18.52	0.0	777.48	-326.00	-1.69	2.36	28.02	846.36
		514.37	26.34	-1.80e-05	0.0	99.0	777.48	-344.51	-1.69	2.36	26.34	514.37
313	1	680.55	23.13	-1.24e-03	-18.52	0.0	512.97	-365.21	-3.12	2.18	23.13	680.55
		309.73	20.03	-2.05e-05	0.0	99.0	512.97	-383.73	-3.12	2.18	20.03	309.73
313	2	690.23	26.34	-1.24e-03	-18.52	0.0	557.10	-362.91	-4.30	2.00	26.34	690.23
		321.69	22.08	-1.95e-05	0.0	99.0	557.10	-381.43	-4.30	2.00	22.08	321.69
314	1	510.71	20.03	-1.28e-03	-18.52	0.0	261.15	-401.54	-5.88	1.93	20.03	510.71
		103.92	14.21	-2.17e-05	0.0	99.0	261.15	-420.06	-5.88	1.93	14.21	103.92
314	2	520.06	22.08	-1.28e-03	-18.52	0.0	308.53	-399.26	-7.82	1.95	22.08	520.06
		115.53	14.34	-2.17e-05	0.0	99.0	308.53	-417.77	-7.82	1.95	14.34	115.53
315	1	413.17	14.21	-1.31e-03	-18.52	0.0	-132.99	-407.98	-9.77	1.53	14.21	413.17
		0.0	4.54	-2.18e-05	0.0	99.0	-132.99	-426.50	-9.77	1.53	4.54	0.0
315	2	412.72	14.34	-1.31e-03	-18.52	0.0	-70.05	-407.52	-11.32	1.11	14.34	412.72

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		0.0	3.13	-2.02e-05	0.0	99.0	-70.05	-426.04	-11.32	1.11	3.13	0.0
316	1	516.08	-19.15	-1.25e-03	-18.52	0.0	321.23	413.44	-6.72	1.36	-19.15	115.84
		115.84	-25.80	-2.05e-05	0.0	99.0	321.23	394.93	-6.72	1.36	-25.80	516.08
316	2	515.16	-20.52	-1.27e-03	-18.52	0.0	318.08	415.50	-5.30	1.53	-20.52	112.87
		112.87	-25.77	-1.17e-05	0.0	99.0	318.08	396.99	-5.30	1.53	-25.77	515.16
317	1	692.62	-25.80	-1.21e-03	-18.52	0.0	559.32	379.28	-2.17	1.79	-25.80	326.21
		326.21	-27.95	-1.93e-05	0.0	99.0	559.32	360.76	-2.17	1.79	-27.95	692.62
317	2	693.56	-25.77	-1.22e-03	-18.52	0.0	556.84	381.68	-0.83	2.04	-25.77	324.77
		324.77	-26.58	-1.08e-05	0.0	99.0	556.84	363.16	-0.83	2.04	-26.58	693.56
318	1	850.32	-27.46	-1.14e-03	-18.52	0.0	774.20	341.92	0.50	2.37	-27.46	520.90
		520.90	-27.95	-1.84e-05	0.0	99.0	774.20	323.40	0.50	2.37	-27.46	850.32
318	2	852.37	-24.98	-1.15e-03	-18.52	0.0	773.13	344.23	1.62	2.67	-24.98	520.67
		520.67	-26.58	-1.01e-05	0.0	99.0	773.13	325.71	1.62	2.67	-24.98	852.37
319	1	991.91	-25.33	-1.05e-03	-18.52	0.0	964.33	305.41	2.15	3.03	-27.46	698.64
		698.64	-27.46	-1.78e-05	0.0	99.0	964.33	286.90	2.15	3.03	-25.33	991.91
319	2	994.86	-21.97	-1.06e-03	-18.52	0.0	964.88	307.66	3.04	3.35	-24.98	699.37
		699.37	-24.98	-9.87e-06	0.0	99.0	964.88	289.14	3.04	3.35	-21.97	994.86
320	1	1115.32	-21.94	-9.43e-04	-18.52	0.0	1132.72	269.44	3.42	3.62	-25.33	857.67
		857.67	-25.33	-1.71e-05	0.0	99.0	1132.72	250.93	3.42	3.62	-21.94	1115.32
320	2	1119.12	-17.90	-9.56e-04	-18.52	0.0	1134.95	271.66	4.10	3.93	-21.97	859.28
		859.28	-21.97	-9.56e-06	0.0	99.0	1134.95	253.14	4.10	3.93	-17.90	1119.12
321	1	1220.47	-17.54	-8.22e-04	-18.52	0.0	1279.52	233.60	4.44	4.13	-21.94	998.31
		998.31	-21.94	-1.66e-05	0.0	99.0	1279.52	215.09	4.44	4.13	-17.54	1220.47
321	2	1225.08	-12.99	-8.35e-04	-18.52	0.0	1283.44	235.80	4.96	4.43	-17.90	1000.75
		1000.75	-17.90	-9.38e-06	0.0	99.0	1283.44	217.28	4.96	4.43	-12.99	1225.08
322	1	1307.26	-12.26	-6.88e-04	-18.52	0.0	1404.72	197.67	5.33	4.53	-17.54	1120.68
		1120.68	-17.54	-1.61e-05	0.0	99.0	1404.72	179.16	5.33	4.53	-12.26	1307.26
322	2	1312.66	-7.33	-7.00e-04	-18.52	0.0	1410.35	199.84	5.72	4.80	-12.99	1123.93
		1123.93	-12.99	-9.31e-06	0.0	99.0	1410.35	181.33	5.72	4.80	-7.33	1312.66
323	1	1375.66	-6.17	-5.43e-04	-18.52	0.0	1508.04	161.47	6.15	4.79	-12.26	1224.93
		1224.93	-12.26	-1.57e-05	0.0	99.0	1508.04	142.95	6.15	4.79	-6.17	1375.66
323	2	1381.80	-0.93	-5.55e-04	-18.52	0.0	1515.41	163.62	6.46	5.04	-7.33	1228.94
		1228.94	-7.33	-9.37e-06	0.0	99.0	1515.41	145.11	6.46	5.04	-0.93	1381.80
324	1	1425.63	0.59	-3.90e-04	-18.52	0.0	1589.08	124.83	6.83	4.91	-6.17	1311.18
		1311.18	-6.17	-1.55e-05	0.0	99.0	1589.08	106.32	6.83	4.91	0.59	1425.63
324	2	1432.48	6.11	-4.01e-04	-18.52	0.0	1598.22	126.97	7.11	5.13	-0.93	1315.91
		1315.91	-0.93	-9.58e-06	0.0	99.0	1598.22	108.46	7.11	5.13	6.11	1432.48
325	1	1457.70	7.66	-2.29e-04	-18.52	0.0	1647.33	88.31	7.13	4.87	0.59	1379.42

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		1379.42	0.59	-1.54e-05	0.0	99.0	1647.33	69.80	7.13	4.87	7.66	1457.70
325	2	1465.20	13.44	-2.40e-04	-18.52	0.0	1658.29	90.44	7.41	5.05	6.11	1384.81
		1384.81	6.11	-9.97e-06	0.0	99.0	1658.29	71.93	7.41	5.05	13.44	1465.20
326	1	1478.36	13.98	-6.49e-05	-18.52	0.0	1680.46	57.38	6.39	4.62	7.66	1430.70
		1430.70	7.66	-1.53e-05	0.0	99.0	1680.46	38.86	6.39	4.62	13.98	1478.36
326	2	1486.40	20.06	-7.39e-05	-18.52	0.0	1693.37	59.50	6.68	4.76	13.44	1436.65
		1436.65	13.44	-1.04e-05	0.0	99.0	1693.37	40.98	6.68	4.76	20.06	1486.40
327	1	1457.72	7.99	-2.70e-04	-18.52	0.0	1642.22	-74.34	3.00	3.78	5.02	1457.72
		1374.94	5.02	-1.38e-05	0.0	99.0	1642.22	-92.85	3.00	3.78	7.99	1374.94
327	2	1464.59	13.35	-2.61e-04	-18.52	0.0	1659.72	-71.87	2.89	3.85	10.49	1464.59
		1384.25	10.49	-9.79e-06	0.0	99.0	1659.72	-90.38	2.89	3.85	13.35	1384.25
328	1	1423.61	10.79	-4.30e-04	-18.52	0.0	1580.91	-111.15	2.82	3.58	7.99	1423.61
		1304.38	7.99	-1.39e-05	0.0	99.0	1580.91	-129.67	2.82	3.58	10.79	1304.38
328	2	1431.15	16.06	-4.23e-04	-18.52	0.0	1600.63	-108.68	2.73	3.62	13.35	1431.15
		1314.37	13.35	-1.04e-05	0.0	99.0	1600.63	-127.19	2.73	3.62	16.06	1314.37
329	1	1371.67	13.13	-5.83e-04	-18.52	0.0	1496.37	-148.14	2.37	3.30	10.79	1371.67
		1215.81	10.79	-1.41e-05	0.0	99.0	1496.37	-166.66	2.37	3.30	13.13	1215.81
329	2	1379.86	18.30	-5.77e-04	-18.52	0.0	1518.36	-145.66	2.27	3.30	16.06	1379.86
		1226.45	16.06	-1.10e-05	0.0	99.0	1518.36	-164.18	2.27	3.30	18.30	1226.45
330	1	1301.30	15.00	-7.27e-04	-18.52	0.0	1389.14	-184.68	1.89	2.95	13.13	1301.30
		1109.25	13.13	-1.43e-05	0.0	99.0	1389.14	-203.19	1.89	2.95	15.00	1109.25
330	2	1310.12	20.06	-7.22e-04	-18.52	0.0	1413.42	-182.19	1.77	2.91	18.30	1310.12
		1120.54	18.30	-1.16e-05	0.0	99.0	1413.42	-200.71	1.77	2.91	20.06	1120.54
331	1	1212.56	16.42	-8.59e-04	-18.52	0.0	1259.60	-220.87	1.43	2.56	15.00	1212.56
		984.67	15.00	-1.45e-05	0.0	99.0	1259.60	-239.39	1.43	2.56	16.42	984.67
331	2	1221.98	21.29	-8.56e-04	-18.52	0.0	1286.21	-218.38	1.24	2.48	20.06	1221.98
		996.57	20.06	-1.23e-05	0.0	99.0	1286.21	-236.89	1.24	2.48	21.29	996.57
332	1	1105.57	17.32	-9.79e-04	-18.52	0.0	1108.01	-256.86	0.91	2.13	16.42	1105.57
		842.04	16.42	-1.48e-05	0.0	99.0	1108.01	-275.38	0.91	2.13	17.32	842.04
332	2	1115.57	21.88	-9.76e-04	-18.52	0.0	1137.00	-254.35	0.60	2.01	21.29	1115.57
		854.53	21.29	-1.29e-05	0.0	99.0	1137.00	-272.86	0.60	2.01	21.88	854.53
333	1	980.52	17.54	-1.08e-03	-18.52	0.0	934.37	-292.80	0.22	1.68	17.32	980.52
		681.40	17.32	-1.50e-05	0.0	99.0	934.37	-311.31	0.22	1.68	17.54	681.40
333	2	991.03	21.88	-1.08e-03	-18.52	0.0	965.83	-290.26	-0.29	1.52	21.88	991.03
		694.44	21.60	-1.35e-05	0.0	99.0	965.83	-308.77	-0.29	1.52	21.60	694.44
334	1	837.82	17.54	-1.17e-03	-18.52	0.0	738.28	-328.95	-0.76	1.21	17.54	837.82
		502.91	16.79	-1.53e-05	0.0	99.0	738.28	-347.47	-0.76	1.21	16.79	502.91
334	2	848.67	21.60	-1.17e-03	-18.52	0.0	772.46	-326.36	-1.57	1.04	21.60	848.67

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		516.33	20.05	-1.41e-05	0.0	99.0	772.46	-344.88	-1.57	1.04	20.05	516.33
335	1	681.02	16.79	-1.24e-03	-18.52	0.0	515.15	-365.65	-2.48	0.89	16.79	681.02
		309.77	14.34	-1.59e-05	0.0	99.0	515.15	-384.16	-2.48	0.89	14.34	309.77
335	2	691.68	20.05	-1.24e-03	-18.52	0.0	552.78	-362.97	-3.72	0.72	20.05	691.68
		323.08	16.37	-1.52e-05	0.0	99.0	552.78	-381.48	-3.72	0.72	16.37	323.08
336	1	511.17	14.34	-1.28e-03	-18.52	0.0	262.82	-401.59	-5.23	0.71	14.34	511.17
		104.33	9.16	-1.68e-05	0.0	99.0	262.82	-420.11	-5.23	0.71	9.16	104.33
336	2	520.55	16.37	-1.29e-03	-18.52	0.0	305.37	-398.86	-7.16	0.71	16.37	520.55
		116.41	9.27	-1.68e-05	0.0	99.0	305.37	-417.38	-7.16	0.71	9.27	116.41
337	1	412.84	9.16	-1.31e-03	-18.52	0.0	-130.39	-407.64	-9.72	0.42	9.16	412.84
		0.0	-0.47	-1.67e-05	0.0	99.0	-130.39	-426.16	-9.72	0.42	-0.47	0.0
337	2	411.95	9.27	-1.32e-03	-18.52	0.0	-71.15	-406.75	-11.23	-0.04	9.27	411.95
		0.0	-1.85	-1.51e-05	0.0	99.0	-71.15	-425.27	-11.23	-0.04	-1.85	0.0
338	1	9.59	3.20	-3.25e-06	-6.74	0.0	-9.39	-20.77	5.45	-14.16	1.02e-04	9.59
		-4.59	1.02e-04	2.37e-05	0.0	58.8	-9.39	-27.51	5.45	-14.16	3.20	-4.59
338	2	10.39	4.54	-1.20e-05	-6.74	0.0	-10.21	-19.94	7.73	-17.05	1.21e-04	10.39
		-3.31	1.21e-04	2.20e-05	0.0	58.8	-10.21	-26.68	7.73	-17.05	4.54	-3.31
339	1	20.80	3.20	-3.94e-06	-6.74	0.0	-38.12	-45.51	-16.91	-13.43	3.20	20.80
		-7.93	-6.73	2.85e-05	0.0	58.8	-38.12	-52.25	-16.91	-13.43	-6.73	-7.93
339	2	23.69	4.54	-1.11e-05	-6.74	0.0	-41.27	-48.86	-18.80	-17.61	4.54	23.69
		-7.00	-6.50	2.64e-05	0.0	58.8	-41.27	-55.60	-18.80	-17.61	-6.50	-7.00
340	1	27.32	-6.73	-4.60e-06	-6.74	0.0	-75.29	-88.98	-45.15	-14.83	-6.73	27.32
		-26.95	-33.27	9.05e-06	0.0	58.8	-75.29	-95.73	-45.15	-14.83	-33.27	-26.95
340	2	32.24	-6.50	-1.02e-05	-6.74	0.0	-81.96	-106.34	-59.47	-18.06	-6.50	32.24
		-32.23	-41.45	1.18e-05	0.0	58.8	-81.96	-113.09	-59.47	-18.06	-41.45	-32.23
341	1	1.27	6.64	-4.47e-06	-11.56	0.0	-57.90	31.94	10.13	7.88	-3.56	-25.08
		-25.08	-3.56	2.78e-05	0.0	100.7	-57.90	20.38	10.13	7.88	6.64	1.27
341	2	3.43	9.17	-1.96e-05	-11.56	0.0	-37.65	20.93	16.85	9.79	-7.80	-11.84
		-11.84	-7.80	2.27e-05	0.0	100.7	-37.65	9.37	16.85	9.79	9.17	3.43
342	1	-8.08	6.64	-1.96e-06	-11.56	0.0	-42.59	4.64	-0.73	-2.55	6.64	-9.02
		-10.16	5.91	2.57e-05	0.0	100.7	-42.59	-6.92	-0.73	-2.55	5.91	-10.16
342	2	3.36	9.17	-1.99e-05	-11.56	0.0	-35.66	-10.51	-0.41	-3.22	9.17	3.36
		-13.05	8.76	2.24e-05	0.0	100.7	-35.66	-22.07	-0.41	-3.22	8.76	-13.05
343	1	18.51	5.91	-1.27e-06	-11.56	0.0	-73.47	-38.15	-22.87	-10.17	5.91	18.51
		-25.73	-17.13	1.55e-05	0.0	100.7	-73.47	-49.71	-22.87	-10.17	-17.13	-25.73
343	2	29.60	8.76	-1.97e-05	-11.56	0.0	-82.12	-63.31	-32.31	-13.21	8.76	29.60
		-39.99	-23.79	1.57e-05	0.0	100.7	-82.12	-74.87	-32.31	-13.21	-23.79	-39.99
344	1	5.00	6.23	-2.13e-06	-11.56	0.0	-48.23	29.95	18.19	7.49	-12.10	-19.34

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		-19.34	-12.10	1.99e-05	0.0	100.7	-48.23	18.39	18.19	7.49	6.23	5.00
344	2	2.95	8.77	-2.31e-05	-11.56	0.0	-36.20	18.10	24.87	9.63	-16.28	-9.47
		-9.47	-16.28	1.55e-05	0.0	100.7	-36.20	6.54	24.87	9.63	8.77	2.95
345	1	-2.67	6.38	-3.13e-06	-11.56	0.0	-36.73	-0.44	0.15	1.13	6.23	-2.67
		-8.94	6.23	2.09e-05	0.0	100.7	-36.73	-12.00	0.15	1.13	6.38	-8.94
345	2	6.95	9.23	-2.31e-05	-11.56	0.0	-39.90	-16.45	0.46	0.58	8.77	6.95
		-15.44	8.77	1.79e-05	0.0	100.7	-39.90	-28.01	0.46	0.58	9.23	-15.44
346	1	23.44	6.38	-2.79e-06	-11.56	0.0	-72.38	-43.38	-19.79	-8.19	6.38	23.44
		-26.07	-13.55	1.02e-05	0.0	100.7	-72.38	-54.94	-19.79	-8.19	-13.55	-26.07
346	2	31.64	9.23	-2.30e-05	-11.56	0.0	-92.05	-69.44	-29.19	-11.22	9.23	31.64
		-44.14	-20.18	1.03e-05	0.0	100.7	-92.05	-81.00	-29.19	-11.22	-20.18	-44.14
347	1	5.91	5.59	-5.65e-06	-11.56	0.0	-53.76	28.55	20.21	8.80	-14.78	-17.02
		-17.02	-14.78	1.48e-05	0.0	100.7	-53.76	16.99	20.21	8.80	5.59	5.91
347	2	1.68	8.13	-2.71e-05	-11.56	0.0	-51.75	18.82	27.02	10.91	-19.10	-11.46
		-11.46	-19.10	1.08e-05	0.0	100.7	-51.75	7.26	27.02	10.91	8.13	1.68
348	1	-0.17	6.30	-6.04e-06	-11.56	0.0	-44.33	-1.29	0.71	3.93	5.59	-0.17
		-7.29	5.59	1.43e-05	0.0	100.7	-44.33	-12.85	0.71	3.93	6.30	-7.29
348	2	5.51	9.20	-2.75e-05	-11.56	0.0	-55.21	-15.26	1.06	3.30	8.13	5.51
		-15.69	8.13	1.04e-05	0.0	100.7	-55.21	-26.82	1.06	3.30	9.20	-15.69
349	1	24.04	6.30	-5.13e-06	-11.56	0.0	-79.14	-40.89	-12.29	-9.16	6.30	24.04
		-22.97	-6.08	5.24e-06	0.0	100.7	-79.14	-52.45	-12.29	-9.16	-6.08	-22.97
349	2	28.15	9.20	-2.79e-05	-11.56	0.0	-103.58	-65.18	-21.82	-12.34	9.20	28.15
		-43.33	-12.78	9.15e-06	0.0	100.7	-103.58	-76.74	-21.82	-12.34	-12.78	-43.33
350	1	16.82	-4.58	-3.71e-06	-6.74	0.0	-52.64	51.36	31.47	8.89	-23.07	-11.38
		-11.38	-23.07	1.20e-05	0.0	58.8	-52.64	44.62	31.47	8.89	-4.58	16.82
350	2	15.68	-4.24	-1.83e-05	-6.74	0.0	-50.74	54.31	41.08	10.70	-28.38	-14.26
		-14.26	-28.38	1.00e-05	0.0	58.8	-50.74	47.57	41.08	10.70	-4.24	15.68
351	1	9.80	2.63	-3.25e-06	-6.74	0.0	-20.96	28.53	12.26	7.52	-4.58	-4.99
		-4.99	-4.58	1.11e-05	0.0	58.8	-20.96	21.79	12.26	7.52	2.63	9.80
351	2	9.32	3.50	-1.79e-05	-6.74	0.0	-20.29	25.25	13.18	9.82	-4.24	-3.54
		-3.54	-4.24	1.54e-05	0.0	58.8	-20.29	18.51	13.18	9.82	3.50	9.32
352	1	3.60	2.63	-2.90e-06	-6.74	0.0	-3.96	11.12	-4.47	7.73	2.63	-0.96
		-0.96	5.55e-05	7.66e-06	0.0	58.8	-3.96	4.38	-4.47	7.73	5.55e-05	3.60
352	2	3.06	3.50	-1.75e-05	-6.74	0.0	-3.88	7.56	-5.96	8.95	3.50	0.60
		0.60	6.35e-05	1.27e-05	0.0	58.8	-3.88	0.82	-5.96	8.95	6.35e-05	3.06
353	1	-10.57	4.16e-05	-8.21e-05	-6.74	0.0	18.10	-35.68	-1.27	-0.38	4.16e-05	-10.57
		-33.52	-0.74	1.12e-05	0.0	58.8	18.10	-42.43	-1.27	-0.38	-0.74	-33.52
353	2	-11.05	4.27e-05	-8.22e-05	-6.74	0.0	18.68	-35.50	-1.28	-0.38	4.27e-05	-11.05

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		-33.89	-0.75	-1.16e-05	0.0	58.8	18.68	-42.25	-1.28	-0.38	-0.75	-33.89
354	1	-18.68	-0.74	-7.90e-05	-6.74	0.0	6.09	-49.39	-2.27	0.85	-0.74	-18.68
		-49.68	-2.08	1.17e-05	0.0	58.8	6.09	-56.14	-2.27	0.85	-2.08	-49.68
354	2	-19.03	-0.75	-7.91e-05	-6.74	0.0	6.59	-49.19	-2.33	0.85	-0.75	-19.03
		-49.92	-2.12	-1.21e-05	0.0	58.8	6.59	-55.93	-2.33	0.85	-2.12	-49.92
355	1	-33.18	-2.08	-7.43e-05	-6.74	0.0	-9.97	-52.26	-8.20	3.74	-2.08	-33.18
		-65.88	-6.90	1.09e-05	0.0	58.8	-9.97	-59.01	-8.20	3.74	-6.90	-65.88
355	2	-33.38	-2.12	-7.43e-05	-6.74	0.0	-9.57	-52.09	-8.43	3.79	-2.12	-33.38
		-65.97	-7.07	-1.13e-05	0.0	58.8	-9.57	-58.83	-8.43	3.79	-7.07	-65.97
356	1	-63.92	7.16	-1.11e-04	-11.56	0.0	-87.11	-0.78	-6.36	2.02	7.16	-63.92
		-70.52	0.75	1.99e-05	0.0	100.7	-87.11	-12.34	-6.36	2.02	0.75	-70.52
356	2	-63.44	7.25	-1.11e-04	-11.56	0.0	-85.64	-1.12	-6.45	2.02	7.25	-63.44
		-70.40	0.75	-2.02e-05	0.0	100.7	-85.64	-12.68	-6.45	2.02	0.75	-70.40
357	1	-57.05	0.75	-8.87e-05	-11.56	0.0	-103.84	-23.88	-1.41	-1.10	0.75	-57.05
		-86.92	-0.67	2.06e-05	0.0	100.7	-103.84	-35.44	-1.41	-1.10	-0.67	-86.92
357	2	-56.61	0.75	-8.89e-05	-11.56	0.0	-102.81	-24.27	-1.42	-1.13	0.75	-56.61
		-86.88	-0.68	-2.08e-05	0.0	100.7	-102.81	-35.83	-1.42	-1.13	-0.68	-86.88
358	1	-66.01	-0.67	-6.20e-05	-11.56	0.0	-132.53	-47.25	-7.31	2.10	-0.67	-66.01
		-119.43	-8.04	1.98e-05	0.0	100.7	-132.53	-58.81	-7.31	2.10	-8.04	-119.43
358	2	-65.65	-0.68	-6.22e-05	-11.56	0.0	-131.94	-47.62	-7.37	2.10	-0.68	-65.65
		-119.44	-8.11	-1.98e-05	0.0	100.7	-131.94	-59.18	-7.37	2.10	-8.11	-119.44
359	1	-84.53	8.34	-2.82e-05	-11.56	0.0	-142.34	30.70	-7.56	1.90	8.34	-109.63
		-109.63	0.73	1.97e-05	0.0	100.7	-142.34	19.14	-7.56	1.90	0.73	-84.53
359	2	-84.62	8.32	-2.86e-05	-11.56	0.0	-141.71	29.96	-7.54	1.89	8.32	-108.98
		-108.98	0.73	-1.99e-05	0.0	100.7	-141.71	18.40	-7.54	1.89	0.73	-84.62
360	1	-86.21	0.73	2.78e-06	-11.56	0.0	-137.37	5.78	-1.47	-1.54	0.73	-87.67
		-87.67	-0.75	2.04e-05	0.0	100.7	-137.37	-5.78	-1.47	-1.54	-0.75	-87.67
360	2	-86.19	0.73	2.96e-06	-11.56	0.0	-137.38	5.01	-1.47	-1.54	0.73	-87.28
		-88.05	-0.75	-2.04e-05	0.0	100.7	-137.38	-6.54	-1.47	-1.54	-0.75	-88.05
361	1	-84.61	-0.75	-3.18e-05	-11.56	0.0	-142.23	-19.14	-7.48	1.88	-0.75	-84.61
		-109.72	-8.29	1.97e-05	0.0	100.7	-142.23	-30.70	-7.48	1.88	-8.29	-109.72
361	2	-84.53	-0.75	-3.15e-05	-11.56	0.0	-142.89	-19.88	-7.50	1.89	-0.75	-84.53
		-110.38	-8.31	1.97e-05	0.0	100.7	-142.89	-31.44	-7.50	1.89	-8.31	-110.38
362	1	-65.96	8.11	-6.56e-05	-11.56	0.0	-132.79	58.93	-7.40	2.10	8.11	-119.50
		-119.50	0.65	1.98e-05	0.0	100.7	-132.79	47.37	-7.40	2.10	0.65	-65.96
362	2	-66.32	8.04	-6.54e-05	-11.56	0.0	-133.42	58.57	-7.34	2.10	8.04	-119.49
		-119.49	0.65	1.94e-05	0.0	100.7	-133.42	47.01	-7.34	2.10	0.65	-66.32
363	1	-56.99	0.65	-9.23e-05	-11.56	0.0	-103.93	35.58	-1.42	-1.14	0.65	-87.01

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		-87.01	-0.78	2.05e-05	0.0	100.7	-103.93	24.02	-1.42	-1.14	-0.78	-56.99
363	2	-57.43	0.65	-9.21e-05	-11.56	0.0	-104.99	35.19	-1.41	-1.11	0.65	-87.06
		-87.06	-0.78	2.02e-05	0.0	100.7	-104.99	23.63	-1.41	-1.11	-0.78	-57.43
364	1	-63.85	-0.78	-1.15e-04	-11.56	0.0	-87.04	12.47	-6.40	1.99	-0.78	-70.59
		-70.59	-7.23	1.97e-05	0.0	100.7	-87.04	0.91	-6.40	1.99	-7.23	-63.85
364	2	-64.33	-0.78	-1.15e-04	-11.56	0.0	-88.52	12.13	-6.32	1.99	-0.78	-70.72
		-70.72	-7.15	1.94e-05	0.0	100.7	-88.52	0.57	-6.32	1.99	-7.15	-64.33
365	1	-33.01	7.09	-7.64e-05	-6.74	0.0	-10.24	59.08	-8.49	3.77	7.09	-65.75
		-65.75	2.10	1.10e-05	0.0	58.8	-10.24	52.34	-8.49	3.77	2.10	-33.01
365	2	-32.81	6.91	-7.64e-05	-6.74	0.0	-10.65	59.26	-8.27	3.72	6.91	-65.66
		-65.66	2.05	1.06e-05	0.0	58.8	-10.65	52.52	-8.27	3.72	2.05	-32.81
366	1	-18.52	2.10	-8.12e-05	-6.74	0.0	5.86	56.20	-2.33	0.81	2.10	-49.56
		-49.56	0.72	1.17e-05	0.0	58.8	5.86	49.45	-2.33	0.81	0.72	-18.52
366	2	-18.16	2.05	-8.11e-05	-6.74	0.0	5.35	56.40	-2.27	0.81	2.05	-49.32
		-49.32	0.72	1.12e-05	0.0	58.8	5.35	49.66	-2.27	0.81	0.72	-18.16
367	1	-10.42	0.72	-8.42e-05	-6.74	0.0	17.90	42.49	-1.23	-0.44	0.72	-33.40
		-33.40	-4.24e-05	1.11e-05	0.0	58.8	17.90	35.74	-1.23	-0.44	-4.24e-05	-10.42
367	2	-9.94	0.72	-8.41e-05	-6.74	0.0	17.32	42.67	-1.22	-0.44	0.72	-33.03
		-33.03	-4.14e-05	1.06e-05	0.0	58.8	17.32	35.93	-1.22	-0.44	-4.14e-05	-9.94
368	1	3.16	-7.35e-05	0.0	-6.74	0.0	-4.20	2.54	-7.54	10.43	-7.35e-05	2.88
		2.39	-4.43	1.05e-05	0.0	58.8	-4.20	-4.20	-7.54	10.43	-4.43	2.39
368	2	3.43	-6.53e-05	-1.48e-05	-6.74	0.0	-4.28	-1.14	-6.00	9.17	-6.53e-05	3.43
		0.78	-3.52	-5.42e-06	0.0	58.8	-4.28	-7.88	-6.00	9.17	-3.52	0.78
369	1	9.93	4.22	0.0	-6.74	0.0	-21.15	-15.85	14.72	12.31	-4.43	9.93
		-1.36	-4.43	1.26e-05	0.0	58.8	-21.15	-22.59	14.72	12.31	4.22	-1.36
369	2	10.42	4.57	-1.43e-05	-6.74	0.0	-21.82	-19.23	13.77	9.93	-3.52	10.42
		-2.87	-3.52	-8.25e-06	0.0	58.8	-21.82	-25.98	13.77	9.93	4.57	-2.87
370	1	16.88	35.39	0.0	-6.74	0.0	-52.29	-52.18	53.05	12.06	4.22	16.88
		-15.77	4.22	1.05e-05	0.0	58.8	-52.29	-58.93	53.05	12.06	35.39	-15.77
370	2	18.02	29.87	-1.37e-05	-6.74	0.0	-54.19	-49.11	43.06	10.20	4.57	18.02
		-12.82	4.57	-1.51e-05	0.0	58.8	-54.19	-55.85	43.06	10.20	29.87	-12.82
371	1	34.65	17.06	0.0	-11.56	0.0	-80.17	73.99	-29.50	-15.14	17.06	-34.07
		-34.07	-12.65	-2.28e-06	0.0	100.7	-80.17	62.43	-29.50	-15.14	-12.65	34.65
371	2	30.36	10.17	-2.34e-05	-11.56	0.0	-55.60	49.27	-19.67	-11.87	10.17	-13.45
		-13.45	-9.65	-2.78e-06	0.0	100.7	-55.60	37.71	-19.67	-11.87	-9.65	30.36
372	1	3.52	-10.50	-1.33e-06	-11.56	0.0	-41.17	13.61	2.13	4.10	-12.65	-4.37
		-4.37	-12.65	2.13e-05	0.0	100.7	-41.17	2.05	2.13	4.10	-10.50	3.52
372	2	4.04	-7.87	-2.01e-05	-11.56	0.0	-30.31	-0.45	1.76	4.73	-9.65	4.04

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		-2.24	-9.65	-1.91e-05	0.0	100.7	-30.31	-12.01	1.76	4.73	-7.87	-2.24
373	1	8.98	26.62	-1.56e-06	-11.56	0.0	-50.11	-25.34	36.85	13.30	-10.50	8.98
		-22.37	-10.50	1.34e-05	0.0	100.7	-50.11	-36.90	36.85	13.30	26.62	-22.37
373	2	13.19	22.10	-1.99e-05	-11.56	0.0	-52.20	-34.99	29.75	11.12	-7.87	13.19
		-27.89	-7.87	-1.84e-05	0.0	100.7	-52.20	-46.55	29.75	11.12	22.10	-27.89
374	1	32.70	23.52	-2.46e-06	-11.56	0.0	-74.42	75.27	-35.84	-13.93	23.52	-37.30
		-37.30	-12.57	1.04e-05	0.0	100.7	-74.42	63.71	-35.84	-13.93	-12.57	32.70
374	2	24.32	16.72	-2.27e-05	-11.56	0.0	-54.64	48.77	-26.14	-10.81	16.72	-18.99
		-18.99	-9.61	-1.48e-05	0.0	100.7	-54.64	37.21	-26.14	-10.81	-9.61	24.32
375	1	0.09	-10.99	-1.30e-06	-11.56	0.0	-35.43	12.43	1.58	1.70	-12.57	-6.61
		-6.61	-12.57	2.59e-05	0.0	100.7	-35.43	0.87	1.58	1.70	-10.99	0.09
375	2	-0.10	-8.36	-2.13e-05	-11.56	0.0	-32.30	-3.67	1.25	2.25	-9.61	-0.10
		-9.61	-9.61	-2.46e-05	0.0	100.7	-32.30	-15.22	1.25	2.25	-8.36	-9.61
376	1	7.53	24.02	-1.91e-06	-11.56	0.0	-47.00	-26.87	34.75	12.12	-10.99	7.53
		-25.35	-10.99	1.85e-05	0.0	100.7	-47.00	-38.43	34.75	12.12	24.02	-25.35
376	2	9.56	19.64	-2.29e-05	-11.56	0.0	-59.13	-38.64	27.79	9.90	-8.36	9.56
		-35.19	-8.36	-2.29e-05	0.0	100.7	-59.13	-50.20	27.79	9.90	19.64	-35.19
377	1	26.95	27.16	-6.65e-06	-11.56	0.0	-77.68	69.36	-38.82	-15.96	27.16	-37.09
		-37.09	-11.95	1.51e-05	0.0	100.7	-77.68	57.80	-38.82	-15.96	-11.95	26.95
377	2	15.68	20.31	-2.77e-05	-11.56	0.0	-68.95	43.77	-29.09	-12.83	20.31	-22.60
		-22.60	-8.99	-2.01e-05	0.0	100.7	-68.95	32.21	-29.09	-12.83	-8.99	15.68
378	1	-6.21	-11.28	-6.71e-06	-11.56	0.0	-43.74	6.97	0.66	-2.27	-11.95	-8.32
		-8.32	-11.95	2.95e-05	0.0	100.7	-43.74	-4.59	0.66	-2.27	-11.28	-7.13
378	2	-5.44	-8.67	-2.86e-05	-11.56	0.0	-50.73	-8.27	0.32	-1.61	-8.99	-5.44
		-19.59	-8.99	-2.98e-05	0.0	100.7	-50.73	-19.83	0.32	-1.61	-8.67	-19.59
379	1	3.26	15.09	-9.07e-06	-11.56	0.0	-59.47	-29.03	26.18	12.15	-11.28	3.26
		-31.81	-11.28	2.67e-05	0.0	100.7	-59.47	-40.59	26.18	12.15	15.09	-31.81
379	2	1.06	10.66	-3.32e-05	-11.56	0.0	-79.81	-39.98	19.19	10.17	-8.67	1.06
		-45.04	-8.67	-3.17e-05	0.0	100.7	-79.81	-51.54	19.19	10.17	10.66	-45.04
380	1	33.13	47.47	-8.03e-06	-6.74	0.0	-82.52	127.40	-70.76	-21.78	47.47	-39.75
		-39.75	5.89	-8.76e-06	0.0	58.8	-82.52	120.66	-70.76	-21.78	5.89	33.13
380	2	28.08	39.03	-2.29e-05	-6.74	0.0	-75.70	109.50	-55.98	-18.45	39.03	-34.28
		-34.28	6.14	-8.63e-06	0.0	58.8	-75.70	102.75	-55.98	-18.45	6.14	28.08
381	1	24.59	5.89	-7.29e-06	-6.74	0.0	-41.54	57.52	-19.89	-21.42	5.89	-7.23
		-7.23	-5.80	3.09e-05	0.0	58.8	-41.54	50.78	-19.89	-21.42	-5.80	24.59
381	2	21.63	6.14	-2.23e-05	-6.74	0.0	-38.33	54.08	-17.95	-17.10	6.14	-8.17
		-8.17	-4.41	-3.29e-05	0.0	58.8	-38.33	47.34	-17.95	-17.10	-4.41	21.63
382	1	10.52	-1.37e-04	-6.34e-06	-6.74	0.0	-10.28	25.03	9.86	-19.43	-5.80	-2.21

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		-2.21	-5.80	2.73e-05	0.0	58.8	-10.28	18.29	9.86	-19.43	-1.37e-04	10.52
382	2	9.70	-1.17e-04	-2.16e-05	-6.74	0.0	-9.44	25.90	7.50	-16.45	-4.41	-3.54
		-3.54	-4.41	-2.88e-05	0.0	58.8	-9.44	19.16	7.50	-16.45	-1.17e-04	9.70
383	1	7.99	2.60	-3.03e-06	-6.74	0.0	-8.15	-17.49	4.43	-11.22	9.48e-05	7.99
		-4.27	9.48e-05	2.47e-05	0.0	58.8	-8.15	-24.23	4.43	-11.22	2.60	-4.27
383	2	8.38	2.90	-1.16e-05	-6.74	0.0	-8.59	-17.45	4.93	-11.93	1.01e-04	8.38
		-3.86	1.01e-04	2.02e-05	0.0	58.8	-8.59	-24.19	4.93	-11.93	2.90	-3.86
384	1	17.25	2.60	-3.59e-06	-6.74	0.0	-33.63	-37.79	-13.10	-10.49	2.60	17.25
		-6.94	-5.10	2.91e-05	0.0	58.8	-33.63	-44.53	-13.10	-10.49	-5.10	-6.94
384	2	18.50	2.90	-1.09e-05	-6.74	0.0	-35.19	-38.76	-13.71	-11.42	2.90	18.50
		-6.26	-5.16	2.46e-05	0.0	58.8	-35.19	-45.50	-13.71	-11.42	-5.16	-6.26
385	1	24.07	-5.10	-4.16e-06	-6.74	0.0	-67.83	-77.12	-38.60	-9.74	-5.10	24.07
		-23.23	-27.78	1.15e-05	0.0	58.8	-67.83	-83.86	-38.60	-9.74	-27.78	-23.23
385	2	26.18	-5.16	-1.03e-05	-6.74	0.0	-70.82	-81.75	-42.15	-10.50	-5.16	26.18
		-23.84	-29.93	8.51e-06	0.0	58.8	-70.82	-88.49	-42.15	-10.50	-29.93	-23.84
386	1	2.56	5.87	-4.01e-06	-11.56	0.0	-50.51	32.56	10.06	5.19	-4.26	-24.42
		-24.42	-4.26	2.23e-05	0.0	100.7	-50.51	21.00	10.06	5.19	5.87	2.56
386	2	3.76	6.49	-1.92e-05	-11.56	0.0	-34.39	21.59	10.61	5.57	-4.20	-12.17
		-12.17	-4.20	1.57e-05	0.0	100.7	-34.39	10.03	10.61	5.57	6.49	3.76
387	1	-8.29	5.87	-1.59e-06	-11.56	0.0	-33.54	6.57	-0.60	-1.86	5.87	-10.17
		-10.17	5.26	2.80e-05	0.0	100.7	-33.54	-4.99	-0.60	-1.86	5.26	-9.37
387	2	-0.81	6.49	-1.99e-05	-11.56	0.0	-28.27	-5.19	-0.71	-2.53	6.49	-0.81
		-11.86	5.78	2.15e-05	0.0	100.7	-28.27	-16.75	-0.71	-2.53	5.78	-11.86
388	1	16.06	5.26	0.0	-11.56	0.0	-61.47	-32.26	-19.84	-6.87	5.26	16.06
		-22.25	-14.72	2.50e-05	0.0	100.7	-61.47	-43.82	-19.84	-6.87	-14.72	-22.25
388	2	22.48	5.78	-2.02e-05	-11.56	0.0	-67.21	-46.62	-22.69	-7.83	5.78	22.48
		-30.31	-17.08	1.94e-05	0.0	100.7	-67.21	-58.18	-22.69	-7.83	-17.08	-30.31
389	1	5.14	5.46	-2.13e-06	-11.56	0.0	-37.84	28.54	15.86	4.93	-10.52	-17.79
		-17.79	-10.52	1.67e-05	0.0	100.7	-37.84	16.98	15.86	4.93	5.46	5.14
389	2	2.88	6.13	-2.27e-05	-11.56	0.0	-28.88	16.91	16.47	5.40	-10.46	-8.33
		-8.33	-10.46	1.05e-05	0.0	100.7	-28.88	5.35	16.47	5.40	6.13	2.88
390	1	-3.71	5.55	-3.14e-06	-11.56	0.0	-26.10	0.47	0.09	0.97	5.46	-3.72
		-9.07	5.46	2.45e-05	0.0	100.7	-26.10	-11.09	0.09	0.97	5.55	-9.07
390	2	3.30	6.13	-2.30e-05	-11.56	0.0	-29.47	-12.03	-0.02	0.29	6.13	3.30
		-14.64	6.10	1.82e-05	0.0	100.7	-29.47	-23.59	-0.02	0.29	6.10	-14.64
391	1	20.83	5.55	-3.02e-06	-11.56	0.0	-59.93	-38.07	-17.24	-5.26	5.55	20.83
		-23.34	-11.82	2.12e-05	0.0	100.7	-59.93	-49.63	-17.24	-5.26	-11.82	-23.34
391	2	24.83	6.10	-2.33e-05	-11.56	0.0	-75.13	-53.44	-20.29	-6.31	6.10	24.83

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		-34.83	-14.33	1.54e-05	0.0	100.7	-75.13	-65.00	-20.29	-6.31	-14.33	-34.83
392	1	4.28	4.87	-5.61e-06	-11.56	0.0	-44.34	25.19	17.37	6.02	-12.62	-15.27
		-15.27	-12.62	1.29e-05	0.0	100.7	-44.34	13.63	17.37	6.02	4.87	4.28
392	2	0.16	5.58	-2.66e-05	-11.56	0.0	-43.88	15.53	18.27	6.53	-12.83	-9.66
		-9.66	-12.83	7.02e-06	0.0	100.7	-43.88	3.97	18.27	6.53	5.58	0.16
393	1	-1.62	5.42	-6.39e-06	-11.56	0.0	-36.45	-2.40	0.55	3.33	4.87	-1.62
		-9.86	4.87	1.94e-05	0.0	100.7	-36.45	-13.96	0.55	3.33	5.42	-9.86
393	2	1.97	6.06	-2.75e-05	-11.56	0.0	-46.27	-13.08	0.48	2.66	5.58	1.97
		-17.03	5.58	1.24e-05	0.0	100.7	-46.27	-24.64	0.48	2.66	6.06	-17.03
394	1	20.78	5.42	-6.25e-06	-11.56	0.0	-71.69	-38.06	-11.19	-5.70	5.42	20.78
		-23.39	-5.85	1.13e-05	0.0	100.7	-71.69	-49.62	-11.19	-5.70	-5.85	-23.39
394	2	21.29	6.06	-2.86e-05	-11.56	0.0	-90.76	-51.94	-14.34	-6.91	6.06	21.29
		-36.85	-8.38	4.21e-06	0.0	100.7	-90.76	-63.50	-14.34	-6.91	-8.38	-36.85
395	1	14.67	-3.61	-4.59e-06	-6.74	0.0	-47.95	50.23	28.09	5.58	-20.12	-12.86
		-12.86	-20.12	8.56e-06	0.0	58.8	-47.95	43.48	28.09	5.58	-3.61	14.67
395	2	13.68	-3.47	-1.86e-05	-6.74	0.0	-46.35	51.03	30.20	6.42	-21.22	-14.33
		-14.33	-21.22	6.03e-06	0.0	58.8	-46.35	44.29	30.20	6.42	-3.47	13.68
396	1	8.69	2.13	-4.31e-06	-6.74	0.0	-19.30	28.73	9.77	6.60	-3.61	-6.21
		-6.21	-3.61	6.15e-06	0.0	58.8	-19.30	21.99	9.77	6.60	2.13	8.69
396	2	8.35	2.36	-1.84e-05	-6.74	0.0	-18.76	27.81	9.93	7.25	-3.47	-6.01
		-6.01	-3.47	1.13e-05	0.0	58.8	-18.76	21.07	9.93	7.25	2.36	8.35
397	1	3.65	2.13	-4.06e-06	-6.74	0.0	-3.86	12.73	-3.62	6.79	2.13	-1.85
		-1.85	5.61e-05	3.24e-06	0.0	58.8	-3.86	5.99	-3.62	6.79	5.61e-05	3.65
397	2	3.45	2.36	-1.81e-05	-6.74	0.0	-3.76	11.79	-4.02	7.13	2.36	-1.49
		-1.49	5.85e-05	8.63e-06	0.0	58.8	-3.76	5.05	-4.02	7.13	5.85e-05	3.45
399	1	-5.54	3.39e-05	-6.54e-05	-6.74	0.0	10.75	-30.24	-1.06	-0.26	3.39e-05	-5.54
		-25.29	-0.62	1.30e-05	0.0	58.8	10.75	-36.98	-1.06	-0.26	-0.62	-25.29
399	2	-5.81	3.50e-05	-6.09e-05	-6.74	0.0	11.08	-30.15	-1.07	-0.27	3.50e-05	-5.81
		-25.50	-0.63	1.06e-05	0.0	58.8	11.08	-36.89	-1.07	-0.27	-0.63	-25.50
400	1	-13.02	-0.62	-6.31e-05	-6.74	0.0	-0.48	-44.28	-1.47	0.74	-0.62	-13.02
		-41.02	-1.49	1.35e-05	0.0	58.8	-0.48	-51.03	-1.47	0.74	-1.49	-41.02
400	2	-13.17	-0.63	-5.86e-05	-6.74	0.0	-0.26	-44.17	-1.54	0.73	-0.63	-13.17
		-41.11	-1.53	1.10e-05	0.0	58.8	-0.26	-50.91	-1.54	0.73	-1.53	-41.11
401	1	-27.07	-1.49	-5.92e-05	-6.74	0.0	-15.27	-48.30	-5.08	2.79	-1.49	-27.07
		-57.43	-4.47	1.31e-05	0.0	58.8	-15.27	-55.04	-5.08	2.79	-4.47	-57.43
401	2	-27.07	-1.53	-5.47e-05	-6.74	0.0	-15.18	-48.21	-5.33	2.85	-1.53	-27.07
		-57.38	-4.66	1.06e-05	0.0	58.8	-15.18	-54.95	-5.33	2.85	-4.66	-57.38
402	1	-53.22	4.99	-8.76e-05	-11.56	0.0	-78.99	9.97	-4.36	1.42	4.99	-57.55

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		-57.55	0.60	2.32e-05	0.0	100.7	-78.99	-1.58	-4.36	1.42	0.60	-53.33
402	2	-52.91	5.15	-7.99e-05	-11.56	0.0	-77.99	9.68	-4.50	1.38	5.15	-56.99
		-56.99	0.62	1.86e-05	0.0	100.7	-77.99	-1.88	-4.50	1.38	0.62	-53.06
403	1	-45.69	0.60	-7.00e-05	-11.56	0.0	-87.92	-13.24	-1.13	-0.88	0.60	-45.69
		-64.86	-0.55	2.34e-05	0.0	100.7	-87.92	-24.80	-1.13	-0.88	-0.55	-64.86
403	2	-45.16	0.62	-6.24e-05	-11.56	0.0	-87.28	-13.57	-1.16	-0.99	0.62	-45.16
		-64.65	-0.55	1.89e-05	0.0	100.7	-87.28	-25.13	-1.16	-0.99	-0.55	-64.65
404	1	-50.33	-0.55	-4.96e-05	-11.56	0.0	-108.29	-36.70	-4.97	1.44	-0.55	-50.33
		-93.13	-5.55	2.29e-05	0.0	100.7	-108.29	-48.26	-4.97	1.44	-5.55	-93.13
404	2	-49.86	-0.55	-4.22e-05	-11.56	0.0	-108.00	-37.04	-5.21	1.41	-0.55	-49.86
		-93.00	-5.80	1.83e-05	0.0	100.7	-108.00	-48.60	-5.21	1.41	-5.80	-93.00
405	1	-61.63	5.75	-2.36e-05	-11.56	0.0	-112.22	30.21	-5.15	1.33	5.75	-86.24
		-86.24	0.57	2.30e-05	0.0	100.7	-112.22	18.65	-5.15	1.33	0.57	-61.63
405	2	-61.65	5.96	-1.62e-05	-11.56	0.0	-112.10	29.55	-5.33	1.27	5.96	-85.59
		-85.59	0.59	1.82e-05	0.0	100.7	-112.10	17.99	-5.33	1.27	0.59	-61.65
406	1	-63.16	0.57	2.05e-06	-11.56	0.0	-107.37	5.61	-1.16	-1.16	0.57	-64.53
		-64.70	-0.60	2.33e-05	0.0	100.7	-107.37	-5.95	-1.16	-1.16	-0.60	-64.70
406	2	-63.11	0.59	-5.96e-06	-11.56	0.0	-107.77	4.93	-1.19	-1.30	0.59	-64.17
		-65.02	-0.61	1.85e-05	0.0	100.7	-107.77	-6.63	-1.19	-1.30	-0.61	-65.02
407	1	-61.62	-0.60	-2.10e-05	-11.56	0.0	-112.48	-18.94	-5.06	1.31	-0.60	-61.62
		-86.52	-5.70	2.28e-05	0.0	100.7	-112.48	-30.50	-5.06	1.31	-5.70	-86.52
407	2	-61.55	-0.61	-2.83e-05	-11.56	0.0	-113.39	-19.61	-5.29	1.27	-0.61	-61.55
		-87.12	-5.94	1.80e-05	0.0	100.7	-113.39	-31.17	-5.29	1.27	-5.94	-87.12
408	1	-50.41	5.63	-4.70e-05	-11.56	0.0	-108.26	47.88	-5.09	1.47	5.63	-92.82
		-92.82	0.50	2.31e-05	0.0	100.7	-108.26	36.32	-5.09	1.47	0.50	-50.41
408	2	-50.76	5.75	-5.44e-05	-11.56	0.0	-109.17	47.66	-5.20	1.44	5.75	-92.95
		-92.95	0.51	1.81e-05	0.0	100.7	-109.17	36.10	-5.20	1.44	0.51	-50.76
409	1	-45.98	0.50	-6.74e-05	-11.56	0.0	-88.22	24.37	-1.13	-0.87	0.50	-64.70
		-64.70	-0.64	2.34e-05	0.0	100.7	-88.22	12.81	-1.13	-0.87	-0.64	-45.98
409	2	-46.38	0.51	-7.49e-05	-11.56	0.0	-89.38	24.14	-1.15	-0.94	0.51	-64.87
		-64.87	-0.65	1.84e-05	0.0	100.7	-89.38	12.58	-1.15	-0.94	-0.65	-46.38
410	1	-53.33	-0.64	-8.50e-05	-11.56	0.0	-79.60	1.21	-4.19	1.40	-0.64	-53.39
		-58.00	-4.85	2.30e-05	0.0	100.7	-79.60	-10.35	-4.19	1.40	-4.85	-58.00
410	2	-53.56	-0.65	-9.26e-05	-11.56	0.0	-81.02	1.01	-4.26	1.38	-0.65	-53.60
		-58.41	-4.94	1.80e-05	0.0	100.7	-81.02	-10.55	-4.26	1.38	-4.94	-58.41
411	1	-26.99	4.47	-5.77e-05	-6.74	0.0	-15.43	55.14	-5.11	2.83	4.47	-57.40
		-57.40	1.47	1.33e-05	0.0	58.8	-15.43	48.39	-5.11	2.83	1.47	-26.99
411	2	-26.87	4.42	-6.22e-05	-6.74	0.0	-15.73	55.28	-5.05	2.79	4.42	-57.37

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		-57.37	1.45	1.01e-05	0.0	58.8	-15.73	48.53	-5.05	2.79	1.45	-26.87
412	1	-12.91	1.47	-6.16e-05	-6.74	0.0	-0.64	51.10	-1.46	0.75	1.47	-40.95
		-40.95	0.61	1.36e-05	0.0	58.8	-0.64	44.35	-1.46	0.75	0.61	-12.91
412	2	-12.66	1.45	-6.61e-05	-6.74	0.0	-1.03	51.26	-1.45	0.73	1.45	-40.80
		-40.80	0.60	1.04e-05	0.0	58.8	-1.03	44.52	-1.45	0.73	0.60	-12.66
413	1	-5.43	0.61	-6.39e-05	-6.74	0.0	10.61	37.02	-1.03	-0.26	0.61	-25.20
		-25.20	-3.42e-05	1.30e-05	0.0	58.8	10.61	30.28	-1.03	-0.26	-3.42e-05	-5.43
413	2	-5.07	0.60	-6.83e-05	-6.74	0.0	10.17	37.18	-1.03	-0.28	0.60	-24.94
		-24.94	-3.34e-05	9.83e-06	0.0	58.8	10.17	30.44	-1.03	-0.28	-3.34e-05	-5.07
414	1	4.18	-4.36e-05	-3.29e-06	-6.74	0.0	-3.99	-9.50	-1.83	5.08	-4.36e-05	4.18
		-3.38	-1.07	0.0	0.0	58.8	-3.99	-16.24	-1.83	5.08	-1.07	-3.38
414	2	4.17	-4.34e-05	-1.02e-05	-6.74	0.0	-3.92	-9.77	-1.77	5.11	-4.34e-05	4.17
		-3.56	-1.04	-1.74e-06	0.0	58.8	-3.92	-16.52	-1.77	5.11	-1.04	-3.56
415	1	9.38	4.14	-3.50e-06	-6.74	0.0	-20.42	-24.97	8.87	3.44	-1.07	9.38
		-7.28	-1.07	4.34e-06	0.0	58.8	-20.42	-31.71	8.87	3.44	4.14	-7.28
415	2	8.84	4.21	-1.00e-05	-6.74	0.0	-19.79	-25.42	8.93	3.53	-1.04	8.84
		-8.08	-1.04	-5.64e-06	0.0	58.8	-19.79	-32.16	8.93	3.53	4.21	-8.08
416	1	16.19	12.19	-3.91e-06	-6.74	0.0	-50.86	-37.02	13.71	4.86	4.14	16.19
		-7.54	4.14	1.29e-05	0.0	58.8	-50.86	-43.76	13.71	4.86	12.19	-7.54
416	2	14.64	12.98	-9.75e-06	-6.74	0.0	-49.01	-38.08	14.93	4.12	4.21	14.64
		-9.72	4.21	-1.01e-05	0.0	58.8	-49.01	-44.82	14.93	4.12	12.98	-9.72
417	1	11.30	-1.38	-5.35e-06	-11.56	0.0	-69.82	36.59	0.02	-3.14	-1.40	-19.74
		-19.74	-1.40	6.30e-06	0.0	100.7	-69.82	25.03	0.02	-3.14	-1.38	11.30
417	2	26.34	-1.31	-1.25e-05	-11.56	0.0	-32.23	2.83	0.95	-2.75	-2.26	25.99
		23.03	-2.26	-5.30e-06	0.0	100.7	-32.23	-8.72	0.95	-2.75	-1.31	23.03
418	1	-4.02	-1.38	-4.23e-06	-11.56	0.0	-39.98	14.09	-0.29	3.09	-1.38	-12.39
		-12.39	-1.67	2.02e-05	0.0	100.7	-39.98	2.53	-0.29	3.09	-1.67	-4.02
418	2	13.24	-1.31	-7.27e-06	-11.56	0.0	-20.42	-18.65	-0.35	3.50	-1.31	13.24
		-11.37	-1.66	-1.85e-05	0.0	100.7	-20.42	-30.21	-0.35	3.50	-1.66	-11.37
419	1	3.53	5.21	-3.24e-06	-11.56	0.0	-50.54	-7.76	6.83	3.72	-1.67	3.53
		-10.11	-1.67	1.87e-05	0.0	100.7	-50.54	-19.32	6.83	3.72	5.21	-10.11
419	2	11.09	5.95	-8.23e-06	-11.56	0.0	-50.56	-40.73	7.55	3.40	-1.66	11.09
		-35.76	-1.66	-1.51e-05	0.0	100.7	-50.56	-52.29	7.55	3.40	5.95	-35.76
420	1	11.75	4.83	-1.16e-06	-11.56	0.0	-58.84	36.23	-6.24	-2.61	4.83	-18.93
		-18.93	-1.45	1.65e-05	0.0	100.7	-58.84	24.67	-6.24	-2.61	-1.45	11.75
420	2	14.62	3.92	-9.05e-06	-11.56	0.0	-34.62	3.68	-5.32	-2.38	3.92	14.03
		11.91	-1.44	-1.49e-05	0.0	100.7	-34.62	-7.88	-5.32	-2.38	-1.44	11.91
421	1	-5.80	-1.45	0.0	-11.56	0.0	-30.52	10.98	-0.71	0.45	-1.45	-11.05

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		-11.05	-2.17	2.49e-05	0.0	100.7	-30.52	-0.58	-0.71	0.45	-2.17	-5.81
421	2	4.92	-1.44	-7.29e-06	-11.56	0.0	-26.89	-20.88	-0.72	0.82	-1.44	4.92
		-21.94	-2.16	-2.26e-05	0.0	100.7	-26.89	-32.44	-0.72	0.82	-2.16	-21.94
422	1	4.94	2.74	0.0	-11.56	0.0	-45.23	-11.16	4.88	2.41	-2.17	4.94
		-12.13	-2.17	2.25e-05	0.0	100.7	-45.23	-22.72	4.88	2.41	2.74	-12.13
422	2	4.52	3.59	-1.12e-05	-11.56	0.0	-62.24	-43.29	5.71	2.07	-2.16	4.52
		-44.92	-2.16	-1.85e-05	0.0	100.7	-62.24	-54.85	5.71	2.07	3.59	-44.92
423	1	8.00	7.60	-3.11e-06	-11.56	0.0	-59.55	30.65	-8.48	-4.23	7.60	-17.05
		-17.05	-0.94	2.00e-05	0.0	100.7	-59.55	19.09	-8.48	-4.23	-0.94	8.00
423	2	9.30	6.64	-1.46e-05	-11.56	0.0	-53.37	-4.00	-7.52	-3.94	6.64	9.30
		-0.55	-0.93	-1.83e-05	0.0	100.7	-53.37	-15.56	-7.52	-3.94	-0.93	-0.55
424	1	-8.99	-0.94	-4.59e-06	-11.56	0.0	-36.87	5.67	-1.39	-2.67	-0.94	-10.39
		-10.50	-2.34	2.87e-05	0.0	100.7	-36.87	-5.89	-1.39	-2.67	-2.34	-10.50
424	2	-3.01	-0.93	-1.62e-05	-11.56	0.0	-51.46	-28.30	-1.45	-2.15	-0.93	-3.01
		-37.33	-2.39	-2.66e-05	0.0	100.7	-51.46	-39.86	-1.45	-2.15	-2.39	-37.33
425	1	3.54	-2.34	-6.54e-06	-11.56	0.0	-56.07	-13.85	-2.09	2.60	-2.34	3.54
		-16.23	-4.44	2.96e-05	0.0	100.7	-56.07	-25.41	-2.09	2.60	-4.44	-16.23
425	2	-8.66	-2.39	-2.48e-05	-11.56	0.0	-89.85	-48.30	-1.11	2.34	-2.39	-8.66
		-63.14	-3.51	-2.53e-05	0.0	100.7	-89.85	-59.86	-1.11	2.34	-3.51	-63.14
426	1	17.78	16.66	-4.88e-06	-6.74	0.0	-60.43	59.21	-18.00	-6.56	16.66	-15.03
		-15.03	6.09	4.63e-06	0.0	58.8	-60.43	52.47	-18.00	-6.56	6.09	17.78
426	2	18.25	15.58	-1.89e-05	-6.74	0.0	-60.62	56.93	-16.63	-6.19	15.58	-13.22
		-13.22	5.81	-6.35e-06	0.0	58.8	-60.62	50.19	-16.63	-6.19	5.81	18.25
427	1	14.28	6.09	-4.48e-06	-6.74	0.0	-30.77	41.38	-11.63	-4.74	6.09	-8.06
		-8.06	-0.75	2.91e-05	0.0	58.8	-30.77	34.63	-11.63	-4.74	-0.75	14.28
427	2	14.17	5.81	-1.84e-05	-6.74	0.0	-30.56	40.54	-11.04	-4.49	5.81	-7.68
		-7.68	-0.68	-2.71e-05	0.0	58.8	-30.56	33.80	-11.04	-4.49	-0.68	14.17
499	1	1468.86	6.64	-2.54e-04	-18.52	0.0	1685.64	88.87	6.69	4.83	9.93e-03	1390.02
		1390.02	9.93e-03	-5.37e-06	0.0	99.0	1685.64	70.35	6.69	4.83	6.64	1468.86
499	2	1466.55	12.52	-2.62e-04	-18.52	0.0	1660.78	90.94	7.12	4.81	5.47	1385.66
		1385.66	5.47	-9.26e-06	0.0	99.0	1660.78	72.43	7.12	4.81	12.52	1466.55
500	1	1489.79	12.51	-8.77e-05	-18.52	0.0	1719.10	57.92	5.93	4.61	6.64	1441.60
		1441.60	6.64	-5.30e-06	0.0	99.0	1719.10	39.41	5.93	4.61	12.51	1489.79
500	2	1487.93	18.82	-9.55e-05	-18.52	0.0	1696.25	59.99	6.36	4.55	12.52	1437.69
		1437.69	12.52	-9.68e-06	0.0	99.0	1696.25	41.47	6.36	4.55	18.82	1487.93
501	1	566.77	-6.68	-1.32e-03	-18.52	0.0	368.95	444.27	11.05	7.95	-17.62	136.00
		136.00	-17.62	-1.66e-05	0.0	99.0	368.95	425.76	11.05	7.95	-6.68	566.77
501	2	552.22	-14.16	-1.33e-03	-18.52	0.0	332.31	444.78	11.54	7.41	-25.59	120.94

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		120.94	-25.59	-1.77e-05	0.0	99.0	332.31	426.27	11.54	7.41	-14.16	552.22
502	1	741.10	5.52	-1.27e-03	-18.52	0.0	642.28	405.73	12.32	7.39	-6.68	348.50
		348.50	-6.68	-1.40e-05	0.0	99.0	642.28	387.21	12.32	7.39	5.52	741.10
502	2	733.61	0.03	-1.28e-03	-18.52	0.0	599.77	408.11	14.32	7.08	-14.16	338.65
		338.65	-14.16	-1.51e-05	0.0	99.0	599.77	389.59	14.32	7.08	0.03	733.61
503	1	904.28	15.58	-1.20e-03	-18.52	0.0	877.43	363.65	10.16	6.86	5.52	553.34
		553.34	5.52	-1.27e-05	0.0	99.0	877.43	345.14	10.16	6.86	15.58	904.28
503	2	898.98	12.58	-1.20e-03	-18.52	0.0	834.42	365.66	12.68	6.75	0.03	546.05
		546.05	0.03	-1.39e-05	0.0	99.0	834.42	347.14	12.68	6.75	12.58	898.98
504	1	1047.76	22.42	-1.10e-03	-18.52	0.0	1085.15	321.43	6.91	5.93	15.58	738.63
		738.63	15.58	-1.10e-05	0.0	99.0	1085.15	302.92	6.91	5.93	22.42	1047.76
504	2	1043.97	21.76	-1.11e-03	-18.52	0.0	1042.44	323.26	9.27	6.01	12.58	733.03
		733.03	12.58	-1.26e-05	0.0	99.0	1042.44	304.75	9.27	6.01	21.76	1043.97
505	1	1170.95	25.43	-9.92e-04	-18.52	0.0	1266.43	279.47	3.04	4.91	22.42	903.37
		903.37	22.42	-9.82e-06	0.0	99.0	1266.43	260.96	3.04	4.91	25.43	1170.95
505	2	1168.46	26.76	-9.99e-04	-18.52	0.0	1224.35	281.32	5.04	5.10	21.76	899.05
		899.05	21.76	-1.17e-05	0.0	99.0	1224.35	262.81	5.04	5.10	26.76	1168.46
506	1	1273.77	25.43	-8.65e-04	-18.52	0.0	1421.56	237.74	-1.30	3.87	25.43	1047.52
		1047.52	24.15	-8.83e-06	0.0	99.0	1421.56	219.22	-1.30	3.87	24.15	1273.77
506	2	1272.49	27.09	-8.73e-04	-18.52	0.0	1380.37	239.68	0.34	4.12	26.76	1044.31
		1044.31	26.76	-1.11e-05	0.0	99.0	1380.37	221.17	0.34	4.12	27.09	1272.49
507	1	1356.19	24.15	-7.26e-04	-18.52	0.0	1550.80	196.19	-6.23	2.92	24.15	1171.09
		1171.09	17.97	-8.01e-06	0.0	99.0	1550.80	177.67	-6.23	2.92	17.97	1356.19
507	2	1356.04	27.09	-7.33e-04	-18.52	0.0	1510.72	198.24	-4.89	3.20	27.09	1168.90
		1168.90	22.25	-1.07e-05	0.0	99.0	1510.72	179.72	-4.89	3.20	22.25	1356.04
508	1	1418.17	17.97	-5.75e-04	-18.52	0.0	1654.38	154.79	-11.86	2.19	17.97	1274.06
		1274.06	6.22	-7.30e-06	0.0	99.0	1654.38	136.27	-11.86	2.19	6.22	1418.17
508	2	1419.07	22.25	-5.83e-04	-18.52	0.0	1615.63	156.93	-10.72	2.46	22.25	1272.83
		1272.83	11.64	-1.04e-05	0.0	99.0	1615.63	138.42	-10.72	2.46	11.64	1419.07
509	1	1459.78	6.22	-4.17e-04	-18.52	0.0	1732.57	113.67	-17.99	1.84	6.22	1356.38
		1356.38	-11.59	-6.62e-06	0.0	99.0	1732.57	95.16	-17.99	1.84	-11.59	1459.78
509	2	1461.62	11.64	-4.24e-04	-18.52	0.0	1695.37	115.89	-16.93	2.07	11.64	1356.03
		1356.03	-5.13	-1.02e-05	0.0	99.0	1695.37	97.37	-16.93	2.07	-5.13	1461.62
510	1	1482.19	-11.59	-2.52e-04	-18.52	0.0	1785.96	74.28	-23.95	2.05	-11.59	1417.80
		1417.80	-35.31	-6.02e-06	0.0	99.0	1785.96	55.77	-23.95	2.05	-35.31	1482.19
510	2	1484.84	-5.13	-2.60e-04	-18.52	0.0	1750.54	76.55	-22.88	2.22	-5.13	1418.21
		1418.21	-27.79	-1.00e-05	0.0	99.0	1750.54	58.03	-22.88	2.22	-27.79	1484.84
511	1	1492.70	-35.31	-8.37e-05	-18.52	0.0	1813.88	43.15	-28.53	2.87	-35.31	1459.14

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		1459.14	-63.56	-5.01e-06	0.0	99.0	1813.88	24.63	-28.53	2.87	-63.56	1492.70
511	2	1495.96	-27.79	-9.09e-05	-18.52	0.0	1780.50	45.43	-27.40	2.94	-27.79	1460.15
		1460.15	-54.92	-9.50e-06	0.0	99.0	1780.50	26.91	-27.40	2.94	-54.92	1495.96
512	1	425.85	14.08	-1.35e-03	-18.52	0.0	0.0	439.30	-22.04	-4.54	14.08	0.0
		0.0	-7.74	-1.44e-06	0.0	99.0	0.0	420.78	-22.04	-4.54	-7.74	425.85
512	2	376.48	13.62	-1.34e-03	-18.52	0.0	0.0	389.45	-26.22	-4.40	13.62	0.0
		0.0	-12.35	-1.01e-06	0.0	99.0	0.0	370.93	-26.22	-4.40	-12.35	376.48
513	1	404.09	0.25	-1.32e-03	-18.52	0.0	0.0	417.33	-9.92	0.32	0.25	0.0
		0.0	-9.57	-5.25e-06	0.0	99.0	0.0	398.81	-9.92	0.32	-9.57	404.09
513	2	353.97	0.16	-1.32e-03	-18.52	0.0	0.0	366.71	-14.46	-0.34	0.16	0.0
		0.0	-14.16	-5.56e-06	0.0	99.0	0.0	348.20	-14.46	-0.34	-14.16	353.97
514	1	0.08	4.20e-05	-0.01	-1.89	0.0	-0.01	0.95	-5.46e-05	-2.13e-05	4.20e-05	-0.16
		-0.16	-1.21e-05	-6.89e-06	0.0	99.0	-0.01	-0.95	-5.46e-05	-2.13e-05	-1.21e-05	-0.16
514	2	0.08	5.51e-05	-0.01	-1.89	0.0	0.01	0.95	-7.11e-05	-1.83e-05	5.51e-05	-0.16
		-0.16	-1.53e-05	-8.04e-06	0.0	99.0	0.01	-0.95	-7.11e-05	-1.83e-05	-1.53e-05	-0.16
515	1	0.08	7.69e-06	-0.01	-1.89	0.0	-0.86	0.95	2.62e-05	-1.70e-05	-1.82e-05	-0.16
		-0.16	-1.82e-05	-3.54e-06	0.0	99.0	-0.86	-0.95	2.62e-05	-1.70e-05	7.69e-06	-0.16
515	2	0.08	7.62e-06	-0.01	-1.89	0.0	-0.83	0.95	2.51e-05	-1.72e-05	-1.73e-05	-0.16
		-0.16	-1.73e-05	-8.09e-06	0.0	99.0	-0.83	-0.95	2.51e-05	-1.72e-05	7.62e-06	-0.16
516	1	0.11	5.23e-05	-0.02	-2.26	0.0	-8.92e-03	1.13	-5.75e-05	-1.98e-05	5.23e-05	-0.22
		-0.22	-1.59e-05	-9.52e-06	0.0	118.5	-8.92e-03	-1.13	-5.75e-05	-1.98e-05	-1.59e-05	-0.22
516	2	0.11	5.99e-05	-0.02	-2.26	0.0	0.01	1.13	-6.55e-05	-1.74e-05	5.99e-05	-0.22
		-0.22	-1.77e-05	-1.48e-05	0.0	118.5	0.01	-1.13	-6.55e-05	-1.74e-05	-1.77e-05	-0.22
517	1	0.11	9.48e-06	-0.02	-2.26	0.0	-1.25	1.13	2.69e-05	-1.71e-05	-2.25e-05	-0.22
		-0.22	-2.25e-05	-7.40e-06	0.0	118.5	-1.25	-1.13	2.69e-05	-1.71e-05	9.48e-06	-0.22
517	2	0.11	9.48e-06	-0.02	-2.26	0.0	-1.21	1.13	2.61e-05	-1.73e-05	-2.15e-05	-0.22
		-0.22	-2.15e-05	-7.43e-06	0.0	118.5	-1.21	-1.13	2.61e-05	-1.73e-05	9.48e-06	-0.22
518	1	7.41	-6.61e-05	-4.14e-06	-6.74	0.0	-7.49	26.14	1.27	-7.56	-0.75	-5.97
		-5.97	-0.75	2.37e-05	0.0	58.8	-7.49	19.39	1.27	-7.56	-6.61e-05	7.41
518	2	7.27	-6.39e-05	-1.81e-05	-6.74	0.0	-7.37	25.85	1.16	-7.25	-0.68	-5.94
		-5.94	-0.68	-2.18e-05	0.0	58.8	-7.37	19.10	1.16	-7.25	-6.39e-05	7.27
519	1	553.30	-11.68	-1.29e-03	-18.52	0.0	339.83	443.17	10.02	7.34	-21.61	123.62
		123.62	-21.61	-2.64e-05	0.0	99.0	339.83	424.66	10.02	7.34	-11.68	553.30
519	2	552.77	-11.97	-1.31e-03	-18.52	0.0	334.64	444.44	11.23	7.59	-23.09	121.83
		121.83	-23.09	-1.78e-05	0.0	99.0	334.64	425.93	11.23	7.59	-11.97	552.77
520	1	731.83	0.80	-1.24e-03	-18.52	0.0	607.99	405.80	12.60	6.94	-11.68	339.16
		339.16	-11.68	-2.38e-05	0.0	99.0	607.99	387.28	12.60	6.94	0.80	731.83
520	2	733.80	1.78	-1.26e-03	-18.52	0.0	601.74	407.47	13.89	7.25	-11.97	339.47

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		339.47	-11.97	-1.54e-05	0.0	99.0	601.74	388.95	13.89	7.25	1.78	733.80
521	1	895.39	11.74	-1.16e-03	-18.52	0.0	842.05	363.30	11.04	6.57	0.80	544.80
		544.80	0.80	-2.25e-05	0.0	99.0	842.05	344.79	11.04	6.57	11.74	895.39
521	2	899.10	13.88	-1.18e-03	-18.52	0.0	835.68	365.00	12.22	6.93	1.78	546.83
		546.83	1.78	-1.44e-05	0.0	99.0	835.68	346.49	12.22	6.93	13.88	899.10
522	1	1038.76	19.53	-1.07e-03	-18.52	0.0	1049.17	320.87	7.87	5.79	11.74	730.19
		730.19	11.74	-2.10e-05	0.0	99.0	1049.17	302.35	7.87	5.79	19.53	1038.76
522	2	1044.01	22.66	-1.09e-03	-18.52	0.0	1043.01	322.61	8.87	6.18	13.88	733.72
		733.72	13.88	-1.32e-05	0.0	99.0	1043.01	304.09	8.87	6.18	22.66	1044.01
523	1	1161.68	23.40	-9.62e-04	-18.52	0.0	1230.02	278.86	3.90	4.87	19.53	894.70
		894.70	19.53	-1.98e-05	0.0	99.0	1230.02	260.34	3.90	4.87	23.40	1161.68
523	2	1168.36	27.34	-9.79e-04	-18.52	0.0	1224.30	280.67	4.73	5.26	22.66	899.59
		899.59	22.66	-1.24e-05	0.0	99.0	1224.30	262.15	4.73	5.26	27.34	1168.36
524	1	1264.18	23.40	-8.36e-04	-18.52	0.0	1384.82	237.15	-0.59	3.89	23.40	1038.51
		1038.51	22.81	-1.88e-05	0.0	99.0	1384.82	218.63	-0.59	3.89	22.81	1264.18
524	2	1272.17	27.45	-8.53e-04	-18.52	0.0	1379.78	239.02	0.10	4.27	27.34	1044.65
		1044.65	27.34	-1.18e-05	0.0	99.0	1379.78	220.51	0.10	4.27	27.45	1272.17
525	1	0.08	2.07e-05	-0.01	-1.89	0.0	-0.04	0.95	8.94e-05	2.35e-05	-6.79e-05	-0.16
		-0.16	-6.79e-05	-1.94e-05	0.0	99.0	-0.04	-0.95	8.94e-05	2.35e-05	2.07e-05	-0.16
525	2	0.08	2.92e-05	-0.01	-1.89	0.0	-0.01	0.95	1.29e-04	1.59e-05	-9.81e-05	-0.16
		-0.16	-9.81e-05	-2.22e-05	0.0	99.0	-0.01	-0.95	1.29e-04	1.59e-05	2.92e-05	-0.16
526	1	0.08	2.74e-06	-0.01	-1.89	0.0	-0.87	0.95	1.63e-05	2.68e-05	-1.34e-05	-0.16
		-0.16	-1.34e-05	-3.87e-06	0.0	99.0	-0.87	-0.95	1.63e-05	2.68e-05	2.74e-06	-0.16
526	2	0.08	2.94e-06	-0.01	-1.89	0.0	-0.90	0.95	1.64e-05	2.67e-05	-1.33e-05	-0.16
		-0.16	-1.33e-05	-9.10e-06	0.0	99.0	-0.90	-0.95	1.64e-05	2.67e-05	2.94e-06	-0.16
527	1	1346.27	22.81	-6.98e-04	-18.52	0.0	1513.76	195.63	-5.67	2.98	22.81	1161.71
		1161.71	17.20	-1.80e-05	0.0	99.0	1513.76	177.12	-5.67	2.98	17.20	1346.27
527	2	1355.47	27.45	-7.13e-04	-18.52	0.0	1509.61	197.57	-5.06	3.34	27.45	1169.00
		1169.00	22.44	-1.14e-05	0.0	99.0	1509.61	179.06	-5.06	3.34	22.44	1355.47
528	1	1407.94	17.20	-5.48e-04	-18.52	0.0	1617.09	154.27	-11.42	2.27	17.20	1264.34
		1264.34	5.89	-1.73e-05	0.0	99.0	1617.09	135.75	-11.42	2.27	5.89	1407.94
528	2	1418.23	22.44	-5.63e-04	-18.52	0.0	1614.02	156.26	-10.84	2.60	22.44	1272.66
		1272.66	11.70	-1.11e-05	0.0	99.0	1614.02	137.74	-10.84	2.60	11.70	1418.23
529	1	1494.39	-41.03	-8.64e-05	-18.52	0.0	1803.13	-37.13	32.04	4.07	-72.76	1494.39
		1448.45	-72.76	-2.92e-06	0.0	99.0	1803.13	-55.64	32.04	4.07	-41.03	1448.45
529	2	1495.64	-33.48	-7.95e-05	-18.52	0.0	1772.68	-34.45	31.00	4.03	-64.18	1495.64
		1452.36	-64.18	-7.91e-06	0.0	99.0	1772.68	-52.97	31.00	4.03	-33.48	1452.36
530	1	1491.45	4.10	-8.16e-05	-18.52	0.0	1717.17	-42.53	2.88	3.90	1.25	1491.45

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		1440.16	1.25	-3.52e-06	0.0	99.0	1717.17	-61.05	2.88	3.90	4.10	1440.16
530	2	1487.70	10.30	-7.39e-05	-18.52	0.0	1696.90	-40.01	2.42	3.78	7.91	1487.70
		1438.91	7.91	-8.35e-06	0.0	99.0	1696.90	-58.53	2.42	3.78	10.30	1438.91
531	1	1491.64	-5.89	-8.14e-05	-18.52	0.0	1719.06	-43.67	6.38	4.62	-12.20	1491.64
		1439.23	-12.20	-5.37e-06	0.0	99.0	1719.06	-62.19	6.38	4.62	-5.89	1439.23
531	2	1484.75	0.41	-7.22e-05	-18.52	0.0	1708.41	-41.67	5.90	4.49	-5.43	1484.75
		1434.32	-5.43	-1.00e-05	0.0	99.0	1708.41	-60.18	5.90	4.49	0.41	1434.32
532	1	1493.50	64.89	-7.77e-05	-18.52	0.0	1817.56	-28.86	-28.31	2.94	64.89	1493.50
		1455.76	36.86	-4.99e-06	0.0	99.0	1817.56	-47.38	-28.31	2.94	36.86	1455.76
532	2	1481.83	72.73	-6.73e-05	-18.52	0.0	1817.89	-26.93	-29.05	2.78	72.73	1481.83
		1446.00	43.96	-9.54e-06	0.0	99.0	1817.89	-45.44	-29.05	2.78	43.96	1446.00
533	1	402.58	-4.64	-1.32e-03	-18.52	0.0	0.0	415.80	-10.28	1.40	-4.64	0.0
		0.0	-14.82	-1.03e-05	0.0	99.0	0.0	397.28	-10.28	1.40	-14.82	402.58
533	2	349.98	-4.69	-1.32e-03	-18.52	0.0	0.0	362.69	-15.01	0.70	-4.69	0.0
		0.0	-19.55	-1.06e-05	0.0	99.0	0.0	344.17	-15.01	0.70	-19.55	349.98
534	1	422.45	-17.62	-1.35e-03	-18.52	0.0	0.0	435.87	4.28	8.01	-21.86	0.0
		0.0	-21.86	-1.32e-05	0.0	99.0	0.0	417.35	4.28	8.01	-17.62	422.45
534	2	368.35	-25.36	-1.35e-03	-18.52	0.0	0.0	381.24	-0.23	7.71	-25.36	0.0
		0.0	-25.59	-1.60e-05	0.0	99.0	0.0	362.72	-0.23	7.71	-25.59	368.35
535	1	557.98	-7.74	-1.32e-03	-18.52	0.0	374.58	438.72	-18.10	-4.11	-7.74	132.70
		132.70	-25.66	0.0	0.0	99.0	374.58	420.21	-18.10	-4.11	-25.66	557.98
535	2	537.61	-12.35	-1.31e-03	-18.52	0.0	349.85	440.03	-16.93	-4.37	-12.35	111.03
		111.03	-29.11	0.0	0.0	99.0	349.85	421.52	-16.93	-4.37	-29.11	537.61
536	1	727.87	-25.66	-1.26e-03	-18.52	0.0	646.79	400.48	-13.63	-3.17	-25.66	340.46
		340.46	-39.16	0.0	0.0	99.0	646.79	381.97	-13.63	-3.17	-39.16	727.87
536	2	712.88	-29.11	-1.26e-03	-18.52	0.0	619.97	403.92	-11.74	-3.24	-29.11	322.06
		322.06	-40.74	0.0	0.0	99.0	619.97	385.41	-11.74	-3.24	-40.74	712.88
537	1	887.53	-39.16	-1.19e-03	-18.52	0.0	881.12	359.84	-8.56	-1.91	-39.16	540.37
		540.37	-47.64	0.0	0.0	99.0	881.12	341.32	-8.56	-1.91	-47.64	887.53
537	2	874.08	-40.74	-1.19e-03	-18.52	0.0	856.25	363.17	-6.84	-1.91	-40.74	523.62
		523.62	-47.51	-1.23e-06	0.0	99.0	856.25	344.65	-6.84	-1.91	-47.51	874.08
538	1	1029.78	-47.64	-1.10e-03	-18.52	0.0	1086.96	319.11	-3.66	-0.27	-47.64	722.95
		722.95	-51.26	0.0	0.0	99.0	1086.96	300.59	-3.66	-0.27	-51.26	1029.78
538	2	1016.96	-47.51	-1.10e-03	-18.52	0.0	1065.06	322.21	-2.21	-0.23	-47.51	707.05
		707.05	-49.70	-2.09e-06	0.0	99.0	1065.06	303.70	-2.21	-0.23	-49.70	1016.96
539	1	1152.99	-49.86	-9.91e-04	-18.52	0.0	1266.38	278.47	1.41	1.37	-51.26	886.40
		886.40	-51.26	-1.19e-06	0.0	99.0	1266.38	259.95	1.41	1.37	-49.86	1152.99
539	2	1140.55	-47.12	-9.93e-04	-18.52	0.0	1247.63	281.44	2.60	1.45	-49.70	871.03

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		871.03	-49.70	-2.71e-06	0.0	99.0	1247.63	262.92	2.60	1.45	-47.12	1140.55
540	1	1256.74	-43.20	-8.67e-04	-18.52	0.0	1419.89	237.85	6.73	2.94	-49.86	1030.38
		1030.38	-49.86	-1.41e-06	0.0	99.0	1419.89	219.34	6.73	2.94	-43.20	1256.74
540	2	1244.61	-39.49	-8.70e-04	-18.52	0.0	1404.30	240.72	7.70	3.04	-47.12	1015.41
		1015.41	-47.12	-3.29e-06	0.0	99.0	1404.30	222.20	7.70	3.04	-39.49	1244.61
541	1	1340.76	-30.79	-7.29e-04	-18.52	0.0	1547.85	197.26	12.53	4.30	-43.20	1154.59
		1154.59	-43.20	-1.61e-06	0.0	99.0	1547.85	178.74	12.53	4.30	-30.79	1340.76
541	2	1328.94	-26.28	-7.33e-04	-18.52	0.0	1535.31	200.03	13.34	4.40	-39.49	1140.03
		1140.03	-39.49	-3.88e-06	0.0	99.0	1535.31	181.51	13.34	4.40	-26.28	1328.94
542	1	1404.90	-12.13	-5.80e-04	-18.52	0.0	1650.52	156.70	18.84	5.29	-30.79	1258.90
		1258.90	-30.79	-1.86e-06	0.0	99.0	1650.52	138.18	18.84	5.29	-12.13	1404.90
542	2	1393.44	-6.91	-5.86e-04	-18.52	0.0	1640.87	159.39	19.56	5.37	-26.28	1244.77
		1244.77	-26.28	-4.55e-06	0.0	99.0	1640.87	140.87	19.56	5.37	-6.91	1393.44
543	1	1449.21	12.79	-4.23e-04	-18.52	0.0	1728.30	116.52	25.16	5.71	-12.13	1342.99
		1342.99	-12.13	-2.17e-06	0.0	99.0	1728.30	98.01	25.16	5.71	12.79	1449.21
543	2	1438.19	18.68	-4.31e-04	-18.52	0.0	1721.37	119.15	25.85	5.76	-6.91	1329.37
		1329.37	-6.91	-5.29e-06	0.0	99.0	1721.37	100.64	25.85	5.76	18.68	1438.19
544	1	-53.22	-0.63	-8.84e-05	-11.56	0.0	-79.40	1.59	-4.25	1.43	-0.63	-53.33
		-57.54	-4.91	1.29e-05	0.0	100.7	-79.40	-9.97	-4.25	1.43	-4.91	-57.54
544	2	-53.45	-0.61	-9.46e-05	-11.56	0.0	-80.35	1.07	-4.06	1.49	-0.61	-53.50
		-58.24	-4.70	-1.72e-05	0.0	100.7	-80.35	-10.49	-4.06	1.49	-4.70	-58.24
545	1	-26.85	4.52	-5.97e-05	-6.74	0.0	-15.64	55.11	-5.18	2.84	4.52	-57.25
		-57.25	1.48	7.31e-06	0.0	58.8	-15.64	48.37	-5.18	2.84	1.48	-26.85
545	2	-26.87	4.29	-6.33e-05	-6.74	0.0	-15.68	55.19	-4.88	2.78	4.29	-57.33
		-57.33	1.43	-9.71e-06	0.0	58.8	-15.68	48.45	-4.88	2.78	1.43	-26.87
546	1	-12.80	1.48	-6.35e-05	-6.74	0.0	-0.80	51.10	-1.48	0.74	1.48	-40.85
		-40.85	0.61	7.61e-06	0.0	58.8	-0.80	44.35	-1.48	0.74	0.61	-12.80
546	2	-12.67	1.43	-6.72e-05	-6.74	0.0	-0.99	51.20	-1.40	0.76	1.43	-40.77
		-40.77	0.61	-9.98e-06	0.0	58.8	-0.99	44.45	-1.40	0.76	0.61	-12.67
547	1	-5.34	0.61	-6.58e-05	-6.74	0.0	10.49	37.06	-1.04	-0.27	0.61	-25.14
		-25.14	-3.41e-05	7.05e-06	0.0	58.8	10.49	30.31	-1.04	-0.27	-3.41e-05	-5.34
547	2	-5.09	0.61	-6.94e-05	-6.74	0.0	10.18	37.13	-1.03	-0.24	0.61	-24.92
		-24.92	-3.29e-05	-9.39e-06	0.0	58.8	10.18	30.39	-1.03	-0.24	-3.29e-05	-5.09
548	1	3.62	-6.19e-05	0.0	-6.74	0.0	-4.05	-4.50	-4.36	7.55	-6.19e-05	3.62
		-1.01	-2.56	9.35e-06	0.0	58.8	-4.05	-11.24	-4.36	7.55	-2.56	-1.01
548	2	3.83	-5.90e-05	-1.35e-05	-6.74	0.0	-4.15	-5.59	-3.89	7.15	-5.90e-05	3.83
		-1.44	-2.29	-4.00e-06	0.0	58.8	-4.15	-12.33	-3.89	7.15	-2.29	-1.44
549	1	9.03	3.61	0.0	-6.74	0.0	-19.65	-20.83	10.51	7.83	-2.56	9.03

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		-5.19	-2.56	1.19e-05	0.0	58.8	-19.65	-27.57	10.51	7.83	3.61	-5.19
549	2	9.37	3.78	-1.32e-05	-6.74	0.0	-20.21	-21.88	10.32	7.07	-2.29	9.37
		-5.46	-2.29	-6.86e-06	0.0	58.8	-20.21	-28.62	10.32	7.07	3.78	-5.46
550	1	14.84	23.17	-1.17e-06	-6.74	0.0	-47.97	-45.98	33.27	6.76	3.61	14.84
		-14.16	3.61	-3.58e-06	0.0	58.8	-47.97	-52.73	33.27	6.76	23.17	-14.16
550	2	15.84	21.81	-1.28e-05	-6.74	0.0	-49.62	-44.98	30.69	5.85	3.78	15.84
		-12.57	3.78	-8.75e-06	0.0	58.8	-49.62	-51.72	30.69	5.85	21.81	-12.57
551	1	23.70	8.40	0.0	-11.56	0.0	-68.54	52.79	-15.19	-7.58	8.40	-23.66
		-23.66	-6.90	-1.45e-06	0.0	100.7	-68.54	41.23	-15.19	-7.58	-6.90	23.70
551	2	22.92	5.56	-2.19e-05	-11.56	0.0	-49.43	38.35	-11.60	-6.23	5.56	-9.89
		-9.89	-6.12	-8.84e-06	0.0	100.7	-49.43	26.79	-11.60	-6.23	-6.12	22.92
552	1	-1.16	-5.95	-1.25e-06	-11.56	0.0	-34.92	11.49	0.95	3.22	-6.90	-6.91
		-6.91	-6.90	1.28e-05	0.0	100.7	-34.92	-0.07	0.95	3.22	-5.95	-1.16
552	2	0.24	-5.12	-1.98e-05	-11.56	0.0	-25.18	0.78	0.99	3.91	-6.12	0.21
		-4.83	-6.12	-1.68e-05	0.0	100.7	-25.18	-10.78	0.99	3.91	-5.12	-4.83
553	1	6.03	15.23	0.0	-11.56	0.0	-44.27	-18.24	21.03	7.14	-5.95	6.03
		-18.16	-5.95	4.09e-06	0.0	100.7	-44.27	-29.80	21.03	7.14	15.23	-18.16
553	2	10.09	14.78	-2.02e-05	-11.56	0.0	-44.87	-27.72	19.76	6.54	-5.12	10.09
		-23.66	-5.12	-1.08e-05	0.0	100.7	-44.87	-39.28	19.76	6.54	14.78	-23.66
554	1	22.44	13.85	-2.08e-06	-11.56	0.0	-58.16	51.82	-20.57	-6.92	13.85	-23.94
		-23.94	-6.87	1.05e-05	0.0	100.7	-58.16	40.26	-20.57	-6.92	-6.87	22.44
554	2	18.19	11.04	-2.23e-05	-11.56	0.0	-42.91	35.90	-17.08	-5.72	11.04	-12.15
		-12.15	-6.16	-1.77e-05	0.0	100.7	-42.91	24.34	-17.08	-5.72	-6.16	18.19
555	1	-3.78	-6.39	-1.58e-06	-11.56	0.0	-26.57	8.35	0.47	0.99	-6.87	-6.82
		-6.82	-6.87	1.66e-05	0.0	100.7	-26.57	-3.21	0.47	0.99	-6.39	-4.22
555	2	-1.29	-5.60	-2.14e-05	-11.56	0.0	-23.26	-4.17	0.56	1.68	-6.16	-1.29
		-11.31	-6.16	-2.10e-05	0.0	100.7	-23.26	-15.73	0.56	1.68	-5.60	-11.31
556	1	6.18	12.97	-2.62e-06	-11.56	0.0	-40.15	-21.63	19.22	6.03	-6.39	6.18
		-21.43	-6.39	7.91e-06	0.0	100.7	-40.15	-33.19	19.22	6.03	12.97	-21.43
556	2	8.38	12.77	-2.32e-05	-11.56	0.0	-49.20	-33.07	18.24	5.46	-5.60	8.38
		-30.76	-5.60	-1.40e-05	0.0	100.7	-49.20	-44.63	18.24	5.46	12.77	-30.76
557	1	16.73	16.51	-6.01e-06	-11.56	0.0	-61.67	45.42	-22.78	-8.39	16.51	-23.20
		-23.20	-6.44	1.39e-05	0.0	100.7	-61.67	33.86	-22.78	-8.39	-6.44	16.73
557	2	10.06	13.85	-2.70e-05	-11.56	0.0	-55.81	30.50	-19.48	-7.28	13.85	-14.84
		-14.84	-5.77	-2.14e-05	0.0	100.7	-55.81	18.94	-19.48	-7.28	-5.77	10.06
558	1	-7.70	-6.44	-6.64e-06	-11.56	0.0	-36.06	2.14	-0.24	-1.82	-6.44	-7.90
		-11.57	-6.68	1.95e-05	0.0	100.7	-36.06	-9.42	-0.24	-1.82	-6.68	-11.57
558	2	-5.46	-5.77	-2.81e-05	-11.56	0.0	-41.34	-9.62	-0.15	-1.14	-5.77	-5.46

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		-20.98	-5.93	-2.49e-05	0.0	100.7	-41.34	-21.18	-0.15	-1.14	-5.93	-20.98
559	1	2.54	6.47	-9.39e-06	-11.56	0.0	-54.67	-25.58	13.05	6.25	-6.68	2.54
		-29.05	-6.68	1.39e-05	0.0	100.7	-54.67	-37.14	13.05	6.25	6.47	-29.05
559	2	1.29	6.27	-3.26e-05	-11.56	0.0	-70.81	-36.33	12.11	5.77	-5.93	1.29
		-41.13	-5.93	-2.04e-05	0.0	100.7	-70.81	-47.89	12.11	5.77	6.27	-41.13
560	1	24.58	30.12	-7.72e-06	-6.74	0.0	-68.25	90.18	-42.86	-11.56	30.12	-26.44
		-26.44	4.94	-5.88e-06	0.0	58.8	-68.25	83.44	-42.86	-11.56	4.94	24.58
560	2	22.28	27.56	-2.21e-05	-6.74	0.0	-65.04	84.62	-38.57	-10.64	27.56	-25.46
		-25.46	4.89	-1.02e-05	0.0	58.8	-65.04	77.87	-38.57	-10.64	4.89	22.28
561	1	17.90	4.94	-7.17e-06	-6.74	0.0	-34.15	45.34	-13.64	-11.96	4.94	-6.76
		-6.76	-3.08	2.39e-05	0.0	58.8	-34.15	38.60	-13.64	-11.96	-3.08	17.90
561	2	16.55	4.89	-2.17e-05	-6.74	0.0	-32.48	44.24	-12.95	-10.81	4.89	-7.47
		-7.47	-2.72	-2.83e-05	0.0	58.8	-32.48	37.49	-12.95	-10.81	-2.72	16.55
562	1	8.16	-1.02e-04	-6.56e-06	-6.74	0.0	-8.35	23.62	5.24	-12.17	-3.08	-3.74
		-3.74	-3.08	1.97e-05	0.0	58.8	-8.35	16.88	5.24	-12.17	-1.02e-04	8.16
562	2	7.75	-9.52e-05	-2.12e-05	-6.74	0.0	-7.87	23.72	4.62	-11.32	-2.72	-4.20
		-4.20	-2.72	-2.40e-05	0.0	58.8	-7.87	16.97	4.62	-11.32	-9.52e-05	7.75
563	1	7.48	1.09	-3.92e-06	-6.74	0.0	-7.58	-19.04	1.86	-8.21	7.14e-05	7.48
		-5.69	7.14e-05	1.70e-05	0.0	58.8	-7.58	-25.78	1.86	-8.21	1.09	-5.69
563	2	8.22	3.04	-1.01e-05	-6.74	0.0	-8.37	-17.33	5.17	-12.26	1.03e-04	8.22
		-3.94	1.03e-04	2.06e-05	0.0	58.8	-8.37	-24.07	5.17	-12.26	3.04	-3.94
564	1	14.81	1.09	-4.30e-06	-6.74	0.0	-31.33	-34.99	-11.55	-5.92	1.09	14.81
		-7.74	-5.69	2.20e-05	0.0	58.8	-31.33	-41.74	-11.55	-5.92	-5.69	-7.74
564	2	17.77	3.04	-9.50e-06	-6.74	0.0	-34.16	-39.15	-13.92	-11.96	3.04	17.77
		-7.22	-5.14	2.48e-05	0.0	58.8	-34.16	-45.90	-13.92	-11.96	-5.14	-7.22
565	1	19.52	-5.69	-4.77e-06	-6.74	0.0	-62.52	-56.56	-22.57	-6.29	-5.69	19.52
		-15.70	-18.96	5.14e-06	0.0	58.8	-62.52	-63.30	-22.57	-6.29	-18.96	-15.70
565	2	24.17	-5.14	-8.99e-06	-6.74	0.0	-68.21	-84.06	-43.85	-10.95	-5.14	24.17
		-27.20	-30.90	8.74e-06	0.0	58.8	-68.21	-90.80	-43.85	-10.95	-30.90	-27.20
566	1	0.92	3.05	-5.62e-06	-11.56	0.0	-53.04	28.08	0.70	3.00	2.34	-21.54
		-21.54	2.34	1.52e-05	0.0	100.7	-53.04	16.52	0.70	3.00	3.05	0.92
566	2	22.17	6.41	-1.29e-05	-11.56	0.0	-15.58	-1.79	11.77	6.34	-5.44	22.17
		14.55	-5.44	1.57e-05	0.0	100.7	-15.58	-13.35	11.77	6.34	6.41	14.55
567	1	-9.50	3.05	-2.94e-06	-11.56	0.0	-35.57	7.29	-1.32	-1.96	3.05	-11.81
		-11.81	1.72	1.78e-05	0.0	100.7	-35.57	-4.27	-1.32	-1.96	1.72	-10.29
567	2	17.72	6.41	-8.67e-06	-11.56	0.0	-19.51	-28.59	-0.28	-1.78	6.41	17.72
		-16.90	6.12	1.96e-05	0.0	100.7	-19.51	-40.15	-0.28	-1.78	6.12	-16.90
568	1	9.63	1.72	-1.65e-06	-11.56	0.0	-59.69	-19.49	-10.16	-3.83	1.72	9.63

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		-15.83	-8.52	1.27e-05	0.0	100.7	-59.69	-31.04	-10.16	-3.83	-8.52	-15.83
568	2	25.67	6.12	-9.25e-06	-11.56	0.0	-68.96	-70.78	-22.50	-7.53	6.12	25.67
		-51.45	-16.54	1.82e-05	0.0	100.7	-68.96	-82.34	-22.50	-7.53	-16.54	-51.45
569	1	3.66	2.67	0.0	-11.56	0.0	-42.47	24.31	6.45	2.52	-3.82	-15.01
		-15.01	-3.82	9.36e-06	0.0	100.7	-42.47	12.76	6.45	2.52	2.67	3.66
569	2	14.85	5.94	-1.13e-05	-11.56	0.0	-21.21	-3.74	17.14	6.05	-11.32	14.85
		5.25	-11.32	1.02e-05	0.0	100.7	-21.21	-15.30	17.14	6.05	5.94	5.25
570	1	-5.63	2.67	-2.05e-06	-11.56	0.0	-29.60	1.37	-0.68	0.64	2.67	-5.71
		-10.16	1.99	1.43e-05	0.0	100.7	-29.60	-10.19	-0.68	0.64	1.99	-10.16
570	2	13.27	6.23	-9.49e-06	-11.56	0.0	-31.69	-32.62	0.28	1.07	5.94	13.27
		-25.42	5.94	1.62e-05	0.0	100.7	-31.69	-44.18	0.28	1.07	6.23	-25.42
571	1	14.09	1.99	-2.56e-06	-11.56	0.0	-59.46	-25.16	-7.79	-2.37	1.99	14.09
		-17.09	-5.85	8.83e-06	0.0	100.7	-59.46	-36.72	-7.79	-2.37	-5.85	-17.09
571	2	21.26	6.23	-1.22e-05	-11.56	0.0	-86.75	-73.96	-19.51	-5.80	6.23	21.26
		-59.06	-13.42	1.39e-05	0.0	100.7	-86.75	-85.52	-19.51	-5.80	-13.42	-59.06
572	1	2.75	2.08	-4.62e-06	-11.56	0.0	-48.54	21.01	8.08	3.71	-6.06	-12.59
		-12.59	-6.06	5.53e-06	0.0	100.7	-48.54	9.45	8.08	3.71	2.08	2.75
572	2	10.21	5.26	-1.64e-05	-11.56	0.0	-44.74	-8.10	18.30	6.97	-13.17	10.21
		-3.77	-13.17	7.29e-06	0.0	100.7	-44.74	-19.66	18.30	6.97	5.26	-3.77
573	1	-3.76	2.08	-5.73e-06	-11.56	0.0	-39.38	-1.46	-0.23	3.19	2.08	-3.76
		-11.06	1.85	9.29e-06	0.0	100.7	-39.38	-13.02	-0.23	3.19	1.85	-11.06
573	2	6.27	6.04	-1.72e-05	-11.56	0.0	-57.83	-36.33	0.77	3.28	5.26	6.27
		-36.15	5.26	1.06e-05	0.0	100.7	-57.83	-47.89	0.77	3.28	6.04	-36.15
574	1	13.74	1.85	-6.27e-06	-11.56	0.0	-70.42	-24.90	-1.37	-2.76	1.85	13.74
		-17.16	0.47	1.46e-06	0.0	100.7	-70.42	-36.46	-1.37	-2.76	0.47	-17.16
574	2	9.06	6.04	-2.36e-05	-11.56	0.0	-111.45	-74.72	-13.23	-6.32	6.04	9.06
		-72.03	-7.29	3.04e-06	0.0	100.7	-111.45	-86.28	-13.23	-6.32	-7.29	-72.03
575	1	14.46	-3.88	-4.32e-06	-6.74	0.0	-48.41	44.62	15.71	4.18	-13.10	-9.78
		-9.78	-13.10	5.19e-06	0.0	58.8	-48.41	37.88	15.71	4.18	-3.88	14.46
575	2	15.62	-3.46	-1.82e-05	-6.74	0.0	-48.92	49.88	28.42	6.55	-20.16	-11.71
		-11.71	-20.16	6.50e-06	0.0	58.8	-48.92	43.14	28.42	6.55	-3.46	15.62
576	1	8.56	1.16	-4.05e-06	-6.74	0.0	-19.36	31.42	8.57	3.86	-3.88	-7.92
		-7.92	-3.88	1.06e-05	0.0	58.8	-19.36	24.67	8.57	3.86	1.16	8.56
576	2	9.09	2.29	-1.78e-05	-6.74	0.0	-19.73	27.90	9.78	6.93	-3.46	-5.33
		-5.33	-3.46	1.07e-05	0.0	58.8	-19.73	21.15	9.78	6.93	2.29	9.09
577	1	3.96	1.16	-3.89e-06	-6.74	0.0	-3.75	16.01	-1.97	5.20	1.16	-3.46
		-3.46	4.41e-05	6.93e-06	0.0	58.8	-3.75	9.26	-1.97	5.20	4.41e-05	3.96
577	2	3.60	2.29	-1.75e-05	-6.74	0.0	-3.92	12.03	-3.89	6.97	2.29	-1.49

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		-1.49	5.77e-05	7.78e-06	0.0	58.8	-3.92	5.29	-3.89	6.97	5.77e-05	3.60
578	1	-5.47	3.32e-05	-6.33e-05	-6.74	0.0	10.65	-30.24	-1.07	-0.22	3.32e-05	-5.47
		-25.22	-0.63	7.09e-06	0.0	58.8	10.65	-36.99	-1.07	-0.22	-0.63	-25.22
578	2	-5.83	3.41e-05	-5.96e-05	-6.74	0.0	11.10	-30.07	-1.07	-0.21	3.41e-05	-5.83
		-25.48	-0.63	-1.02e-05	0.0	58.8	11.10	-36.81	-1.07	-0.21	-0.63	-25.48
579	1	-12.94	-0.63	-6.10e-05	-6.74	0.0	-0.60	-44.29	-1.42	0.77	-0.63	-12.94
		-40.94	-1.46	7.58e-06	0.0	58.8	-0.60	-51.03	-1.42	0.77	-1.46	-40.94
579	2	-13.19	-0.63	-5.72e-05	-6.74	0.0	-0.20	-44.10	-1.46	0.78	-0.63	-13.19
		-41.09	-1.49	-1.06e-05	0.0	58.8	-0.20	-50.84	-1.46	0.78	-1.49	-41.09
580	1	-27.00	-1.46	-5.71e-05	-6.74	0.0	-15.38	-48.29	-4.91	2.80	-1.46	-27.00
		-57.36	-4.35	7.22e-06	0.0	58.8	-15.38	-55.04	-4.91	2.80	-4.35	-57.36
580	2	-27.10	-1.49	-5.33e-05	-6.74	0.0	-15.07	-48.12	-5.05	2.84	-1.49	-27.10
		-57.36	-4.45	-1.02e-05	0.0	58.8	-15.07	-54.86	-5.05	2.84	-4.45	-57.36
581	1	-53.10	4.85	-8.39e-05	-11.56	0.0	-79.52	10.26	-4.21	1.46	4.85	-57.69
		-57.69	0.60	1.31e-05	0.0	100.7	-79.52	-1.30	-4.21	1.46	0.60	-53.18
581	2	-52.76	4.80	-7.76e-05	-11.56	0.0	-77.57	9.98	-4.19	1.49	4.80	-57.10
		-57.10	0.59	-1.79e-05	0.0	100.7	-77.57	-1.58	-4.19	1.49	0.59	-52.87
582	1	-45.73	0.60	-6.63e-05	-11.56	0.0	-88.19	-12.94	-1.12	-0.81	0.60	-45.73
		-64.59	-0.53	1.33e-05	0.0	100.7	-88.19	-24.50	-1.12	-0.81	-0.53	-64.59
582	2	-45.16	0.59	-6.02e-05	-11.56	0.0	-86.60	-13.29	-1.10	-0.74	0.59	-45.16
		-64.37	-0.52	-1.80e-05	0.0	100.7	-86.60	-24.85	-1.10	-0.74	-0.52	-64.37
583	1	-50.26	-0.53	-4.60e-05	-11.56	0.0	-108.29	-36.44	-4.97	1.49	-0.53	-50.26
		-92.79	-5.53	1.29e-05	0.0	100.7	-108.29	-48.00	-4.97	1.49	-5.53	-92.79
583	2	-49.77	-0.52	-4.00e-05	-11.56	0.0	-107.07	-36.78	-4.85	1.53	-0.52	-49.77
		-92.65	-5.41	-1.76e-05	0.0	100.7	-107.07	-48.34	-4.85	1.53	-5.41	-92.65
584	1	-61.48	5.73	-2.00e-05	-11.56	0.0	-112.85	30.39	-5.12	1.36	5.73	-86.28
		-86.28	0.57	1.28e-05	0.0	100.7	-112.85	18.83	-5.12	1.36	0.57	-61.48
584	2	-61.48	5.50	-1.41e-05	-11.56	0.0	-111.44	29.61	-4.91	1.41	5.50	-85.49
		-85.49	0.56	-1.74e-05	0.0	100.7	-111.44	18.05	-4.91	1.41	0.56	-61.48
585	1	-63.08	0.57	-2.20e-06	-11.56	0.0	-107.75	5.82	-1.16	-1.13	0.57	-64.56
		-64.56	-0.59	1.31e-05	0.0	100.7	-107.75	-5.74	-1.16	-1.13	-0.59	-64.52
585	2	-62.98	0.56	-8.03e-06	-11.56	0.0	-106.99	5.01	-1.12	-0.99	0.56	-64.07
		-64.85	-0.57	-1.76e-05	0.0	100.7	-106.99	-6.55	-1.12	-0.99	-0.57	-64.85
586	1	-61.61	-0.59	-2.45e-05	-11.56	0.0	-112.63	-18.76	-5.05	1.34	-0.59	-61.61
		-86.33	-5.68	1.29e-05	0.0	100.7	-112.63	-30.32	-5.05	1.34	-5.68	-86.33
586	2	-61.44	-0.57	-3.03e-05	-11.56	0.0	-112.54	-19.55	-4.89	1.41	-0.57	-61.44
		-86.96	-5.50	-1.72e-05	0.0	100.7	-112.54	-31.11	-4.89	1.41	-5.50	-86.96
587	1	-50.22	5.59	-5.05e-05	-11.56	0.0	-108.82	48.28	-5.04	1.49	5.59	-93.04

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		-93.04	0.51	1.29e-05	0.0	100.7	-108.82	36.72	-5.04	1.49	0.51	-50.22
587	2	-50.66	5.35	-5.64e-05	-11.56	0.0	-108.65	47.75	-4.82	1.54	5.35	-92.93
		-92.93	0.50	-1.73e-05	0.0	100.7	-108.65	36.19	-4.82	1.54	0.50	-50.66
588	1	-45.64	0.51	-7.08e-05	-11.56	0.0	-88.39	24.80	-1.13	-0.84	0.51	-64.80
		-64.80	-0.63	1.32e-05	0.0	100.7	-88.39	13.24	-1.13	-0.84	-0.63	-45.64
588	2	-46.22	0.50	-7.68e-05	-11.56	0.0	-88.78	24.25	-1.10	-0.70	0.50	-64.82
		-64.82	-0.61	-1.76e-05	0.0	100.7	-88.78	12.69	-1.10	-0.70	-0.61	-46.22
589	1	364.31	12.45	-1.33e-03	-18.52	0.0	0.0	-358.64	-27.48	-5.87	12.45	364.31
		0.0	-14.76	-1.98e-06	0.0	99.0	0.0	-377.16	-27.48	-5.87	-14.76	0.0
589	2	374.32	11.22	-1.33e-03	-18.52	0.0	0.0	-368.75	-27.73	-5.98	11.22	374.32
		0.0	-16.25	-6.93e-06	0.0	99.0	0.0	-387.27	-27.73	-5.98	-16.25	0.0
590	1	1469.12	7.60	-2.48e-04	-18.52	0.0	1681.56	-73.69	3.54	3.85	4.10	1469.12
		1386.98	4.10	-3.80e-06	0.0	99.0	1681.56	-92.20	3.54	3.85	7.60	1386.98
590	2	1466.05	13.39	-2.40e-04	-18.52	0.0	1663.56	-71.18	3.12	3.68	10.30	1466.05
		1386.40	10.30	-9.12e-06	0.0	99.0	1663.56	-89.69	3.12	3.68	13.39	1386.40
591	1	1435.33	11.01	-4.10e-04	-18.52	0.0	1620.65	-110.51	3.44	3.66	7.60	1435.33
		1316.73	7.60	-3.96e-06	0.0	99.0	1620.65	-129.03	3.44	3.66	11.01	1316.73
591	2	1432.91	16.40	-4.01e-04	-18.52	0.0	1604.96	-108.00	3.04	3.45	13.39	1432.91
		1316.79	13.39	-9.75e-06	0.0	99.0	1604.96	-126.52	3.04	3.45	16.40	1316.79
592	1	1383.70	14.12	-5.64e-04	-18.52	0.0	1536.52	-147.52	3.14	3.37	11.01	1383.70
		1228.46	11.01	-4.12e-06	0.0	99.0	1536.52	-166.03	3.14	3.37	14.12	1228.46
592	2	1381.88	19.11	-5.55e-04	-18.52	0.0	1523.19	-145.00	2.73	3.12	16.40	1381.88
		1229.13	16.40	-1.04e-05	0.0	99.0	1523.19	-163.52	2.73	3.12	19.11	1229.13
593	1	1313.64	16.99	-7.09e-04	-18.52	0.0	1429.68	-184.07	2.89	3.00	14.12	1313.64
		1122.20	14.12	-4.32e-06	0.0	99.0	1429.68	-202.58	2.89	3.00	16.99	1122.20
593	2	1312.38	21.50	-7.01e-04	-18.52	0.0	1418.77	-181.55	2.41	2.71	19.11	1312.38
		1123.43	19.11	-1.10e-05	0.0	99.0	1418.77	-200.07	2.41	2.71	21.50	1123.43
594	1	1225.20	19.64	-8.44e-04	-18.52	0.0	1300.53	-220.28	2.68	2.54	16.99	1225.20
		997.90	16.99	-4.56e-06	0.0	99.0	1300.53	-238.80	2.68	2.54	19.64	997.90
594	2	1224.46	23.57	-8.35e-04	-18.52	0.0	1292.09	-217.77	2.09	2.23	21.50	1224.46
		999.65	21.50	-1.16e-05	0.0	99.0	1292.09	-236.28	2.09	2.23	23.57	999.65
595	1	1118.50	22.01	-9.65e-04	-18.52	0.0	1149.32	-256.31	2.40	2.02	19.64	1118.50
		855.51	19.64	-4.82e-06	0.0	99.0	1149.32	-274.83	2.40	2.02	22.01	855.51
595	2	1118.23	25.19	-9.56e-04	-18.52	0.0	1143.41	-253.79	1.64	1.69	23.57	1118.23
		857.74	23.57	-1.23e-05	0.0	99.0	1143.41	-272.31	1.64	1.69	25.19	857.74
596	1	993.64	23.81	-1.07e-03	-18.52	0.0	976.15	-292.36	1.82	1.42	22.01	993.64
		694.96	22.01	-5.11e-06	0.0	99.0	976.15	-310.88	1.82	1.42	23.81	694.96
596	2	993.80	26.04	-1.06e-03	-18.52	0.0	972.82	-289.82	0.86	1.10	25.19	993.80

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		697.64	25.19	-1.29e-05	0.0	99.0	972.82	-308.34	0.86	1.10	26.04	697.64
597	1	850.74	24.46	-1.16e-03	-18.52	0.0	780.98	-328.87	0.65	0.77	23.81	850.74
		515.92	23.81	-5.36e-06	0.0	99.0	780.98	-347.38	0.65	0.77	24.46	515.92
597	2	851.32	26.04	-1.15e-03	-18.52	0.0	780.26	-326.26	-0.53	0.47	26.04	851.32
		519.07	25.51	-1.35e-05	0.0	99.0	780.26	-344.77	-0.53	0.47	25.51	519.07
598	1	691.30	24.46	-1.23e-03	-18.52	0.0	561.63	-366.16	-1.88	0.18	24.46	691.30
		319.55	22.59	-5.88e-06	0.0	99.0	561.63	-384.67	-1.88	0.18	22.59	319.55
598	2	692.45	25.51	-1.22e-03	-18.52	0.0	563.37	-363.42	-3.25	-0.07	25.51	692.45
		323.40	22.30	-1.43e-05	0.0	99.0	563.37	-381.94	-3.25	-0.07	22.30	323.40
599	1	512.04	22.59	-1.27e-03	-18.52	0.0	320.22	-399.38	-7.01	-0.26	22.59	512.04
		107.38	15.65	-6.70e-06	0.0	99.0	320.22	-417.90	-7.01	-0.26	15.65	107.38
599	2	514.62	22.30	-1.27e-03	-18.52	0.0	323.58	-397.09	-8.35	-0.42	22.30	514.62
		112.24	14.03	-1.54e-05	0.0	99.0	323.58	-415.60	-8.35	-0.42	14.03	112.24
600	1	346.58	15.65	-1.30e-03	-18.52	0.0	0.0	-340.73	-17.20	-1.13	15.65	346.58
		0.0	-1.38	-5.16e-06	0.0	99.0	0.0	-359.25	-17.20	-1.13	-1.38	0.0
600	2	356.20	14.03	-1.29e-03	-18.52	0.0	0.0	-350.45	-17.94	-1.11	14.03	356.20
		0.0	-3.74	-1.43e-05	0.0	99.0	0.0	-368.97	-17.94	-1.11	-3.74	0.0
601	1	1469.49	1.18	-2.48e-04	-18.52	0.0	1681.83	-74.65	7.13	4.86	-5.89	1469.49
		1386.40	-5.89	-5.56e-06	0.0	99.0	1681.83	-93.16	7.13	4.86	1.18	1386.40
601	2	1463.09	7.06	-2.38e-04	-18.52	0.0	1673.04	-72.64	6.71	4.67	0.41	1463.09
		1382.00	0.41	-1.07e-05	0.0	99.0	1673.04	-91.15	6.71	4.67	7.06	1382.00
602	1	1435.85	7.98	-4.09e-04	-18.52	0.0	1619.52	-111.17	6.87	4.88	1.18	1435.85
		1316.59	1.18	-5.77e-06	0.0	99.0	1619.52	-129.69	6.87	4.88	7.98	1316.59
602	2	1430.05	13.47	-3.98e-04	-18.52	0.0	1612.49	-109.15	6.47	4.65	7.06	1430.05
		1312.80	7.06	-1.14e-05	0.0	99.0	1612.49	-127.66	6.47	4.65	13.47	1312.80
603	1	1384.30	14.14	-5.64e-04	-18.52	0.0	1534.42	-147.81	6.22	4.74	7.98	1384.30
		1228.77	7.98	-6.14e-06	0.0	99.0	1534.42	-166.32	6.22	4.74	14.14	1228.77
603	2	1379.14	19.22	-5.52e-04	-18.52	0.0	1529.10	-145.77	5.81	4.47	13.47	1379.14
		1225.63	13.47	-1.22e-05	0.0	99.0	1529.10	-164.28	5.81	4.47	19.22	1225.63
604	1	1314.33	19.54	-7.09e-04	-18.52	0.0	1427.04	-184.01	5.45	4.45	14.14	1314.33
		1122.94	14.14	-6.64e-06	0.0	99.0	1427.04	-202.53	5.45	4.45	19.54	1122.94
604	2	1309.86	24.15	-6.97e-04	-18.52	0.0	1423.38	-181.95	4.98	4.15	19.22	1309.86
		1120.51	19.22	-1.32e-05	0.0	99.0	1423.38	-200.47	4.98	4.15	24.15	1120.51
605	1	1225.97	24.10	-8.44e-04	-18.52	0.0	1297.77	-219.94	4.61	4.03	19.54	1225.97
		999.00	19.54	-7.23e-06	0.0	99.0	1297.77	-238.46	4.61	4.03	24.10	999.00
605	2	1222.22	28.13	-8.31e-04	-18.52	0.0	1295.76	-217.86	4.02	3.70	24.15	1222.22
		997.32	24.15	-1.42e-05	0.0	99.0	1295.76	-236.38	4.02	3.70	28.13	997.32
606	1	1119.25	27.68	-9.65e-04	-18.52	0.0	1146.90	-255.79	3.61	3.48	24.10	1119.25

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		856.79	24.10	-7.90e-06	0.0	99.0	1146.90	-274.30	3.61	3.48	27.68	856.79
606	2	1116.26	30.96	-9.52e-04	-18.52	0.0	1146.52	-253.68	2.86	3.14	28.13	1116.26
		855.88	28.13	-1.52e-05	0.0	99.0	1146.52	-272.20	2.86	3.14	30.96	855.88
607	1	994.27	29.98	-1.07e-03	-18.52	0.0	974.45	-291.78	2.32	2.85	27.68	994.27
		696.17	27.68	-8.65e-06	0.0	99.0	974.45	-310.30	2.32	2.85	29.98	696.17
607	2	992.07	32.31	-1.06e-03	-18.52	0.0	975.68	-289.64	1.36	2.51	30.96	992.07
		696.08	30.96	-1.63e-05	0.0	99.0	975.68	-308.16	1.36	2.51	32.31	696.08
608	1	851.09	30.55	-1.16e-03	-18.52	0.0	780.28	-328.38	0.58	2.13	29.98	851.09
		516.75	29.98	-9.33e-06	0.0	99.0	780.28	-346.89	0.58	2.13	30.55	516.75
608	2	849.74	32.31	-1.15e-03	-18.52	0.0	783.07	-326.17	-0.62	1.81	32.31	849.74
		517.58	31.70	-1.73e-05	0.0	99.0	783.07	-344.68	-0.62	1.81	31.70	517.58
609	1	691.63	30.55	-1.23e-03	-18.52	0.0	561.52	-365.91	-2.37	1.49	30.55	691.63
		320.12	28.20	-1.03e-05	0.0	99.0	561.52	-384.42	-2.37	1.49	28.20	320.12
609	2	691.37	31.70	-1.21e-03	-18.52	0.0	565.60	-363.58	-3.77	1.23	31.70	691.37
		322.16	27.97	-1.87e-05	0.0	99.0	565.60	-382.10	-3.77	1.23	27.97	322.16
610	1	512.24	28.20	-1.27e-03	-18.52	0.0	320.55	-399.50	-7.56	1.01	28.20	512.24
		107.47	20.71	-1.16e-05	0.0	99.0	320.55	-418.02	-7.56	1.01	20.71	107.47
610	2	513.98	27.97	-1.26e-03	-18.52	0.0	325.05	-397.60	-8.97	0.84	27.97	513.98
		111.09	19.09	-2.02e-05	0.0	99.0	325.05	-416.11	-8.97	0.84	19.09	111.09
611	1	346.92	20.71	-1.30e-03	-18.52	0.0	0.0	-341.08	-17.34	0.04	20.71	346.92
		0.0	3.54	-1.02e-05	0.0	99.0	0.0	-359.59	-17.34	0.04	3.54	0.0
611	2	356.04	19.09	-1.29e-03	-18.52	0.0	0.0	-350.29	-18.19	0.03	19.09	356.04
		0.0	1.07	-1.93e-05	0.0	99.0	0.0	-368.81	-18.19	0.03	1.07	0.0
612	1	1481.87	36.86	-2.46e-04	-18.52	0.0	1785.81	-60.03	-23.68	2.12	36.86	1481.87
		1413.26	13.41	-6.16e-06	0.0	99.0	1785.81	-78.54	-23.68	2.12	13.41	1413.26
612	2	1470.72	43.96	-2.33e-04	-18.52	0.0	1787.89	-58.06	-24.36	1.88	43.96	1470.72
		1404.06	19.84	-1.12e-05	0.0	99.0	1787.89	-76.58	-24.36	1.88	19.84	1404.06
613	1	1458.27	13.41	-4.10e-04	-18.52	0.0	1728.62	-99.41	-17.64	1.88	13.41	1458.27
		1350.66	-4.06	-6.88e-06	0.0	99.0	1728.62	-117.93	-17.64	1.88	-4.06	1350.66
613	2	1447.88	19.84	-3.96e-04	-18.52	0.0	1732.19	-97.46	-18.25	1.58	19.84	1447.88
		1342.21	1.76	-1.24e-05	0.0	99.0	1732.19	-115.97	-18.25	1.58	1.76	1342.21
614	1	1415.51	-4.06	-5.68e-04	-18.52	0.0	1646.60	-140.50	-11.38	2.20	-4.06	1415.51
		1267.21	-15.33	-7.69e-06	0.0	99.0	1646.60	-159.02	-11.38	2.20	-15.33	1267.21
614	2	1406.03	1.76	-5.54e-04	-18.52	0.0	1651.43	-138.58	-11.98	1.85	1.76	1406.03
		1259.63	-10.10	-1.36e-05	0.0	99.0	1651.43	-157.10	-11.98	1.85	-10.10	1259.63
615	1	1352.43	-15.33	-7.18e-04	-18.52	0.0	1539.15	-181.87	-5.59	2.89	-15.33	1352.43
		1163.17	-20.87	-8.53e-06	0.0	99.0	1539.15	-200.38	-5.59	2.89	-20.87	1163.17
615	2	1344.00	-10.10	-7.02e-04	-18.52	0.0	1545.05	-180.00	-6.23	2.50	-10.10	1344.00

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		1156.58	-16.27	-1.49e-05	0.0	99.0	1545.05	-198.52	-6.23	2.50	-16.27	1156.58
616	1	1268.95	-20.87	-8.57e-04	-18.52	0.0	1406.03	-223.38	-0.47	3.77	-20.87	1268.95
		1038.58	-21.33	-9.47e-06	0.0	99.0	1406.03	-241.90	-0.47	3.77	-21.33	1038.58
616	2	1261.68	-16.27	-8.41e-04	-18.52	0.0	1412.79	-221.58	-1.20	3.36	-16.27	1261.68
		1033.09	-17.46	-1.63e-05	0.0	99.0	1412.79	-240.09	-1.20	3.36	-17.46	1033.09
617	1	1165.11	-17.32	-9.83e-04	-18.52	0.0	1247.01	-265.11	4.05	4.72	-21.33	1165.11
		893.41	-21.33	-1.06e-05	0.0	99.0	1247.01	-283.63	4.05	4.72	-17.32	893.41
617	2	1159.10	-14.32	-9.66e-04	-18.52	0.0	1254.41	-263.37	3.17	4.30	-17.46	1159.10
		889.13	-17.46	-1.78e-05	0.0	99.0	1254.41	-281.89	3.17	4.30	-14.32	889.13
618	1	1040.86	-9.38	-1.09e-03	-18.52	0.0	1061.91	-307.16	8.02	5.60	-17.32	1040.86
		727.53	-17.32	-1.19e-05	0.0	99.0	1061.91	-325.67	8.02	5.60	-9.38	727.53
618	2	1036.23	-7.43	-1.08e-03	-18.52	0.0	1069.72	-305.49	6.96	5.20	-14.32	1036.23
		724.56	-14.32	-1.94e-05	0.0	99.0	1069.72	-324.00	6.96	5.20	-7.43	724.56
619	1	896.13	1.63	-1.19e-03	-18.52	0.0	850.54	-349.69	11.11	6.34	-9.38	896.13
		540.68	-9.38	-1.35e-05	0.0	99.0	850.54	-368.21	11.11	6.34	1.63	540.68
619	2	893.02	2.35	-1.17e-03	-18.52	0.0	858.51	-348.06	9.87	5.97	-7.43	893.02
		539.18	-7.43	-2.14e-05	0.0	99.0	858.51	-366.57	9.87	5.97	2.35	539.18
620	1	731.09	13.95	-1.26e-03	-18.52	0.0	612.31	-392.37	12.44	6.64	1.63	731.09
		333.37	1.63	-1.47e-05	0.0	99.0	612.31	-410.89	12.44	6.64	13.95	333.37
620	2	729.70	13.36	-1.24e-03	-18.52	0.0	620.09	-390.75	11.11	6.33	2.35	729.70
		333.60	2.35	-2.29e-05	0.0	99.0	620.09	-409.26	11.11	6.33	13.36	333.60
621	1	550.40	23.24	-1.31e-03	-18.52	0.0	340.53	-429.41	9.38	6.99	13.95	550.40
		116.01	13.95	-1.74e-05	0.0	99.0	340.53	-447.92	9.38	6.99	23.24	116.01
621	2	551.67	21.46	-1.29e-03	-18.52	0.0	347.00	-428.24	8.18	6.74	13.36	551.67
		118.44	13.36	-2.58e-05	0.0	99.0	347.00	-446.76	8.18	6.74	21.46	118.44
622	1	369.43	23.65	-1.34e-03	-18.52	0.0	0.0	-363.81	0.42	5.23	23.24	369.43
		0.0	23.24	-1.36e-05	0.0	99.0	0.0	-382.32	0.42	5.23	23.65	0.0
622	2	378.91	21.46	-1.32e-03	-18.52	0.0	0.0	-373.39	-0.17	5.12	21.46	378.91
		0.0	21.29	-2.22e-05	0.0	99.0	0.0	-391.90	-0.17	5.12	21.29	0.0
623	1	1000.96	-16.67	-1.08e-03	-18.52	0.0	1005.10	306.61	0.54	1.75	-17.20	706.51
		706.51	-17.20	-4.20e-06	0.0	99.0	1005.10	288.09	0.54	1.75	-16.67	1000.96
623	2	991.97	-15.54	-1.08e-03	-18.52	0.0	976.97	309.10	2.22	1.70	-17.74	695.05
		695.05	-17.74	-5.50e-06	0.0	99.0	976.97	290.59	2.22	1.70	-15.54	991.97
624	1	1124.46	-15.49	-9.74e-04	-18.52	0.0	1174.83	270.66	1.19	2.20	-16.67	865.60
		865.60	-16.67	-4.00e-06	0.0	99.0	1174.83	252.15	1.19	2.20	-15.49	1124.46
624	2	1115.98	-12.98	-9.77e-04	-18.52	0.0	1148.98	273.04	2.58	2.23	-15.54	854.76
		854.76	-15.54	-5.66e-06	0.0	99.0	1148.98	254.53	2.58	2.23	-12.98	1115.98
625	1	1229.85	-13.85	-8.52e-04	-18.52	0.0	1322.57	234.67	1.66	2.63	-15.49	1006.64

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		1006.64	-15.49	-3.84e-06	0.0	99.0	1322.57	216.15	1.66	2.63	-13.85	1229.85
625	2	1221.89	-10.26	-8.57e-04	-18.52	0.0	1298.96	237.01	2.75	2.69	-12.98	996.36
		996.36	-12.98	-5.88e-06	0.0	99.0	1298.96	218.49	2.75	2.69	-10.26	1221.89
626	1	1317.00	-11.79	-7.17e-04	-18.52	0.0	1448.23	198.47	2.07	3.02	-13.85	1129.63
		1129.63	-13.85	-3.71e-06	0.0	99.0	1448.23	179.96	2.07	3.02	-11.79	1317.00
626	2	1309.57	-7.39	-7.23e-04	-18.52	0.0	1426.83	200.78	2.90	3.08	-10.26	1119.91
		1119.91	-10.26	-6.15e-06	0.0	99.0	1426.83	182.27	2.90	3.08	-7.39	1309.57
627	1	1385.80	-9.31	-5.71e-04	-18.52	0.0	1551.58	161.93	2.51	3.36	-11.79	1234.61
		1234.61	-11.79	-3.63e-06	0.0	99.0	1551.58	143.42	2.51	3.36	-9.31	1385.80
627	2	1378.91	-4.30	-5.78e-04	-18.52	0.0	1532.33	164.23	3.13	3.40	-7.39	1225.45
		1225.45	-7.39	-6.48e-06	0.0	99.0	1532.33	145.71	3.13	3.40	-4.30	1378.91
628	1	1436.18	-6.41	-4.16e-04	-18.52	0.0	1632.20	124.94	2.93	3.63	-9.31	1321.62
		1321.62	-9.31	-3.58e-06	0.0	99.0	1632.20	106.43	2.93	3.63	-6.41	1436.18
628	2	1429.85	-0.92	-4.24e-04	-18.52	0.0	1615.08	127.22	3.41	3.65	-4.30	1313.04
		1313.04	-4.30	-6.88e-06	0.0	99.0	1615.08	108.71	3.41	3.65	-0.92	1429.85
629	1	1468.76	-3.35	-2.55e-04	-18.52	0.0	1689.56	88.13	3.09	3.81	-6.41	1390.65
		1390.65	-6.41	-3.55e-06	0.0	99.0	1689.56	69.61	3.09	3.81	-3.35	1468.76
629	2	1463.01	2.57	-2.63e-04	-18.52	0.0	1674.53	90.39	3.52	3.79	-0.92	1382.67
		1382.67	-0.92	-7.30e-06	0.0	99.0	1674.53	71.88	3.52	3.79	2.57	1463.01
630	1	1489.96	-0.93	-8.80e-05	-18.52	0.0	1721.54	56.99	2.44	3.88	-3.35	1442.70
		1442.70	-3.35	-3.39e-06	0.0	99.0	1721.54	38.47	2.44	3.88	-0.93	1489.96
630	2	1484.82	5.41	-9.70e-05	-18.52	0.0	1708.55	59.24	2.87	3.82	2.57	1435.32
		1435.32	2.57	-7.64e-06	0.0	99.0	1708.55	40.73	2.87	3.82	5.41	1484.82
631	1	530.01	-14.82	-1.29e-03	-18.52	0.0	351.35	414.90	-5.75	1.94	-14.82	128.33
		128.33	-20.52	-1.06e-05	0.0	99.0	351.35	396.38	-5.75	1.94	-20.52	530.01
631	2	514.07	-19.55	-1.29e-03	-18.52	0.0	318.19	415.80	-5.18	1.15	-19.55	111.49
		111.49	-24.68	-1.02e-05	0.0	99.0	318.19	397.28	-5.18	1.15	-24.68	514.07
632	1	702.77	-20.52	-1.24e-03	-18.52	0.0	593.74	379.05	-2.68	2.21	-20.52	336.58
		336.58	-23.17	-9.40e-06	0.0	99.0	593.74	360.54	-2.68	2.21	-23.17	702.77
632	2	693.14	-24.68	-1.24e-03	-18.52	0.0	556.67	382.12	-0.98	1.82	-24.68	323.91
		323.91	-25.65	-1.00e-05	0.0	99.0	556.67	363.61	-0.98	1.82	-25.65	693.14
633	1	859.57	-23.17	-1.17e-03	-18.52	0.0	810.25	342.12	-0.48	2.61	-23.17	529.95
		529.95	-23.65	-8.38e-06	0.0	99.0	810.25	323.61	-0.48	2.61	-23.65	859.57
633	2	852.46	-24.26	-1.17e-03	-18.52	0.0	772.89	344.70	1.40	2.45	-25.65	520.29
		520.29	-25.65	-9.48e-06	0.0	99.0	772.89	326.18	1.40	2.45	-24.26	852.46
634	1	1001.28	-22.57	-1.08e-03	-18.52	0.0	1000.84	305.85	1.09	3.16	-23.65	707.58
		707.58	-23.65	-7.79e-06	0.0	99.0	1000.84	287.33	1.09	3.16	-22.57	1001.28
634	2	995.22	-21.49	-1.08e-03	-18.52	0.0	964.90	308.15	2.79	3.12	-24.26	699.25

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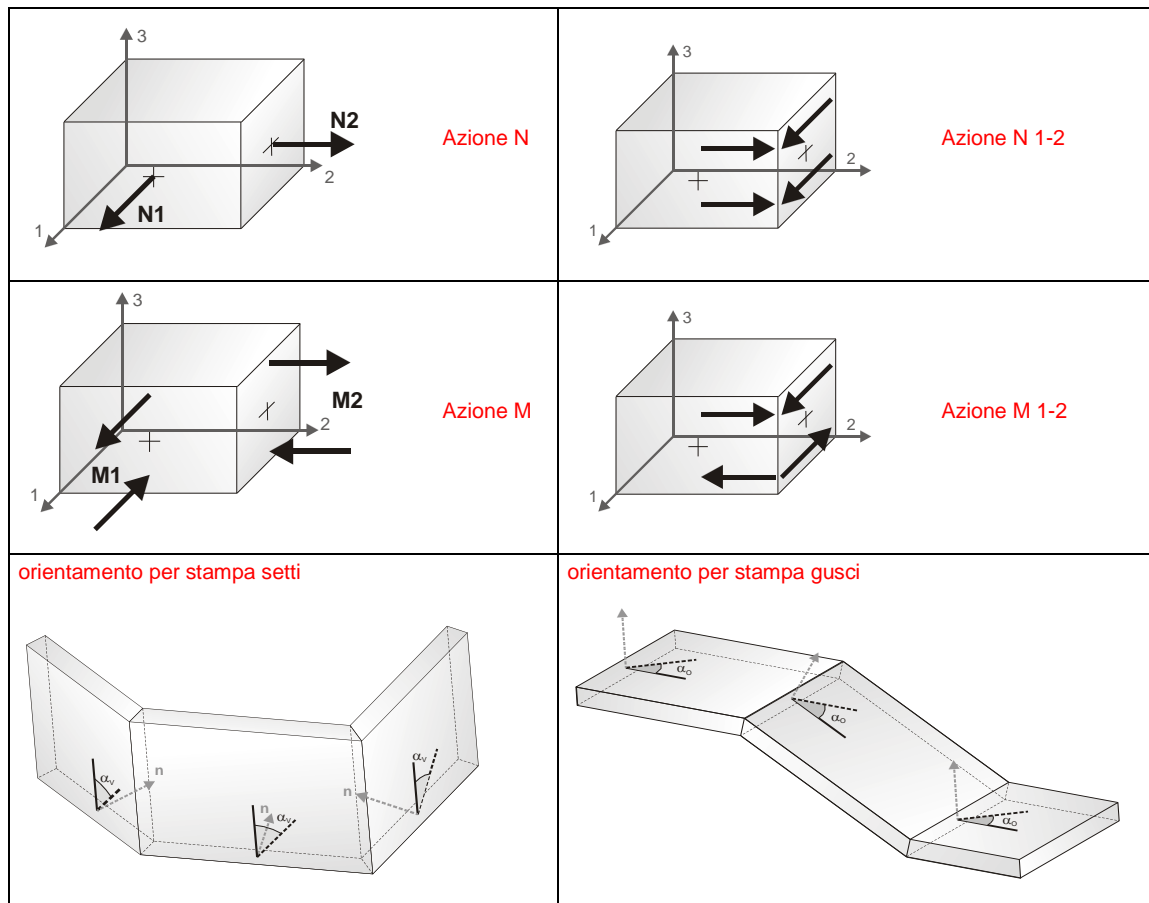
		699.25	-24.26	-9.23e-06	0.0	99.0	964.90	289.63	2.79	3.12	-21.49	995.22
635	1	1124.96	-20.13	-9.74e-04	-18.52	0.0	1169.54	269.94	2.46	3.66	-22.57	866.81
		866.81	-22.57	-7.12e-06	0.0	99.0	1169.54	251.43	2.46	3.66	-20.13	1124.96
635	2	1119.66	-17.66	-9.78e-04	-18.52	0.0	1135.34	272.16	3.87	3.69	-21.49	859.33
		859.33	-21.49	-8.92e-06	0.0	99.0	1135.34	253.64	3.87	3.69	-17.66	1119.66
636	1	1230.40	-16.52	-8.52e-04	-18.52	0.0	1316.63	234.12	3.65	4.11	-20.13	1007.73
		1007.73	-20.13	-6.56e-06	0.0	99.0	1316.63	215.61	3.65	4.11	-16.52	1230.40
636	2	1225.77	-12.96	-8.57e-04	-18.52	0.0	1284.27	236.30	4.74	4.17	-17.66	1000.95
		1000.95	-17.66	-8.72e-06	0.0	99.0	1284.27	217.78	4.74	4.17	-12.96	1225.77
637	1	1317.50	-11.87	-7.17e-04	-18.52	0.0	1442.11	198.20	4.69	4.48	-16.52	1130.39
		1130.39	-16.52	-6.08e-06	0.0	99.0	1442.11	179.69	4.69	4.48	-11.87	1317.50
637	2	1313.50	-7.50	-7.23e-04	-18.52	0.0	1411.61	200.35	5.52	4.54	-12.96	1124.27
		1124.27	-12.96	-8.64e-06	0.0	99.0	1411.61	181.83	5.52	4.54	-7.50	1313.50
638	1	1386.20	-6.31	-5.71e-04	-18.52	0.0	1545.74	162.01	5.62	4.73	-11.87	1234.94
		1234.94	-11.87	-5.70e-06	0.0	99.0	1545.74	143.49	5.62	4.73	-6.31	1386.20
638	2	1382.81	-1.32	-5.77e-04	-18.52	0.0	1517.08	164.13	6.24	4.78	-7.50	1229.45
		1229.45	-7.50	-8.69e-06	0.0	99.0	1517.08	145.61	6.24	4.78	-1.32	1382.81
639	1	1436.48	9.93e-03	-4.16e-04	-18.52	0.0	1627.08	125.38	6.38	4.85	-6.31	1321.49
		1321.49	-6.31	-5.46e-06	0.0	99.0	1627.08	106.87	6.38	4.85	9.93e-03	1436.48
639	2	1433.66	5.47	-4.23e-04	-18.52	0.0	1600.30	127.47	6.86	4.88	-1.32	1316.59
		1316.59	-1.32	-8.89e-06	0.0	99.0	1600.30	108.96	6.86	4.88	5.47	1433.66
Trave		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-119.50	-96.01	-0.02	-22.17		-142.89	-534.29	-70.76	-21.78		
		2108.80	106.85	3.09e-05	0.0		2545.30	530.70	53.05	13.30		

13.10 RISULTATI ELEMENTI TIPO SHELL

13.10.1 LEGENDA RISULTATI ELEMENTI TIPO SHELL

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

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



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

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

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

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

I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_0 attorno all'asse Z per i gusci e ruotata di α_v attorno alla normale (che per definizione è orizzontale) al piano del setto.

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

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

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

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

14. ALLEGATO 3 MODELLO 3D IMPALCATO

14.1 MODELLAZIONE DELLE SEZIONI

14.1.1 LEGENDA TABELLA DATI SEZIONI

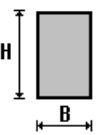
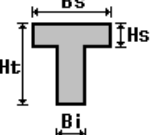
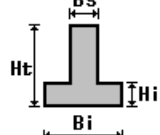
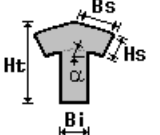
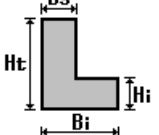
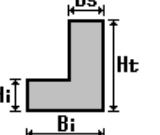
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

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

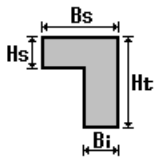
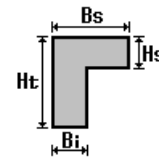
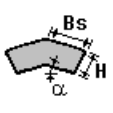
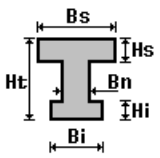
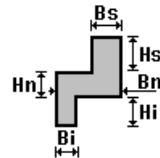
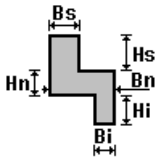
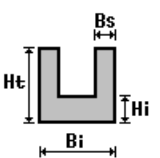
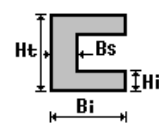
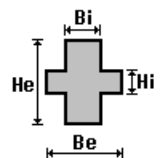
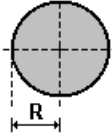
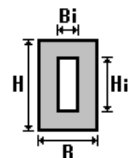
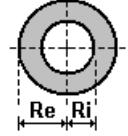
Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

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

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

					
rettangolare	a T	a T rovescia	a T di colmo	a L	a L specchiata

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 <p>a L specchiata rovescia</p>	 <p>a L rovescia</p>	 <p>a L di colmo</p>	 <p>a doppio T</p>	 <p>a quattro specchiata</p>	 <p>a quattro</p>
 <p>a U</p>	 <p>a C</p>	 <p>a croce</p>	 <p>circolare</p>	 <p>rettangolare cava</p>	 <p>circolare cava</p>

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

Per quanto concerne le sezioni di tipo generico (tipo 1.):

i valori dimensionali con prefisso B sono riferiti all'asse 2

i valori dimensionali con prefisso H sono riferiti all'asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Poligonale cava	1.188e+04	0.0	0.0	5.469e+06	4.402e+07	4.701e+07	3.521e+05	4.143e+05	4.226e+05	4.972e+05
2	asta fittizia: b=1.00 h =1.00	1.00	0.0	0.0	0.14	0.08	0.08	0.17	0.17	0.25	0.25
4	Rettangolare: b=40.00 h =120.00	4800.00	0.0	0.0	2.022e+06	6.400e+05	5.760e+06	3.200e+04	9.600e+04	4.800e+04	1.440e+05
8	campi di soletta: b=200.00 h =35.00	7000.00	0.0	0.0	2.543e+06	2.333e+07	7.146e+05	2.333e+05	4.083e+04	3.500e+05	6.125e+04

14.2 MODELLAZIONE STRUTTURA: NODI

14.2.1 LEGENDA TABELLA DATI NODI

Il programma utilizza per la modellazione nodi strutturali.

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

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

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

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

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

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

14.3 TABELLA DATI NODI

Nodo	X	Y	Z	Nodo	X	Y	Z	Nodo	X	Y	Z
	cm	cm	cm		cm	cm	cm		cm	cm	cm
89	150.2	1025.5	0.0	90	400.2	1025.5	0.0	91	650.2	1025.5	0.0
92	900.2	1025.5	0.0	93	1150.2	1025.5	0.0	94	1400.2	1025.5	0.0
95	1650.2	1025.5	0.0	96	1900.2	1025.5	0.0	97	2150.2	1025.5	0.0
98	2400.2	1025.5	0.0	99	2650.2	1025.5	0.0	100	150.3	725.5	0.0
101	400.3	725.5	0.0	102	650.3	725.5	0.0	103	900.3	725.5	0.0
104	1150.3	725.5	0.0	105	1400.3	725.5	0.0	106	1650.3	725.5	0.0
107	1900.3	725.5	0.0	108	2150.3	725.5	0.0	109	2400.3	725.5	0.0
110	2650.3	725.5	0.0	111	150.3	425.5	0.0	112	400.3	425.5	0.0
113	650.3	425.5	0.0	114	900.3	425.5	0.0	115	1150.3	425.5	0.0
116	1400.3	425.5	0.0	117	1650.3	425.5	0.0	118	1900.3	425.5	0.0
119	2150.3	425.5	0.0	120	2400.3	425.5	0.0	121	2650.3	425.5	0.0
122	150.3	125.5	0.0	123	400.3	125.5	0.0	124	650.3	125.5	0.0
125	900.3	125.5	0.0	126	1150.3	125.5	0.0	127	1400.3	125.5	0.0
128	1650.3	125.5	0.0	129	1900.3	125.5	0.0	130	2150.3	125.5	0.0
131	2400.3	125.5	0.0	132	2650.3	125.5	0.0				

Nodo	X	Y	Z	Note	Rig. TX	Rig. TY	Rig. TZ	Rig. RX	Rig. RY	Rig. RZ
	cm	cm	cm		daN/cm	daN/cm	daN/cm	daN cm/rad	daN cm/rad	daN cm/rad

133	-24.7	1025.5	0.0	v=111000
134	-24.7	725.5	0.0	v=111000
135	-24.7	425.5	0.0	v=111000
136	-24.7	125.5	0.0	v=111000
137	2825.3	1025.5	0.0	v=001000
138	2825.3	725.5	0.0	v=001000
139	2825.3	425.5	0.0	v=001000
140	2825.3	125.5	0.0	v=001000

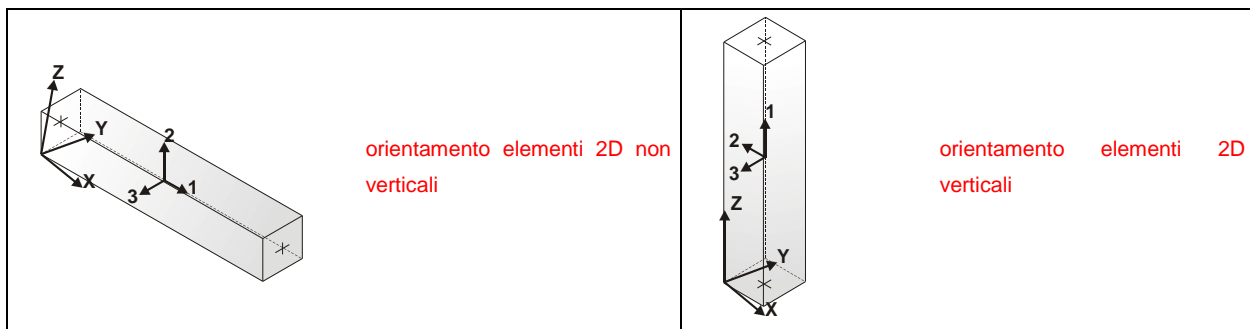
14.4 MODELLAZIONE STRUTTURA: ELEMENTI TRAVE

14.4.1 TABELLA DATI TRAVI

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

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

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



In particolare per ogni elemento viene indicato in tabella:

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

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Wink O	costante di sottofondo (coefficiente di Winkler) per la modellazione del suolo elastico orizzontale
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Elem.	Note	Nodo I	Nodo J	Mat.	Sez.	Rotaz.	Svincolo I	Svincolo J	Wink V	Wink O
						gradi			daN/cm3	daN/cm3
125	Trave	89	90	7	1					
126	Trave	90	91	7	1					
127	Trave	91	92	7	1					
128	Trave	92	93	7	1					
129	Trave	93	94	7	1					
130	Trave	94	95	7	1					
131	Trave	95	96	7	1					
132	Trave	96	97	7	1					
133	Trave	97	98	7	1					
134	Trave	98	99	7	1					
135	Trave	100	101	7	1					
136	Trave	101	102	7	1					
137	Trave	102	103	7	1					
138	Trave	103	104	7	1					
139	Trave	104	105	7	1					
140	Trave	105	106	7	1					
141	Trave	106	107	7	1					
142	Trave	107	108	7	1					
143	Trave	108	109	7	1					
144	Trave	109	110	7	1					
145	Trave	111	112	7	1					
146	Trave	112	113	7	1					
147	Trave	113	114	7	1					
148	Trave	114	115	7	1					
149	Trave	115	116	7	1					
150	Trave	116	117	7	1					
151	Trave	117	118	7	1					
152	Trave	118	119	7	1					
153	Trave	119	120	7	1					
154	Trave	120	121	7	1					
155	Trave	122	123	7	1					
156	Trave	123	124	7	1					
157	Trave	124	125	7	1					
158	Trave	125	126	7	1					

159	Trave	126	127	7	1
160	Trave	127	128	7	1
161	Trave	128	129	7	1
162	Trave	129	130	7	1
163	Trave	130	131	7	1
164	Trave	131	132	7	1
165	Trave	133	89	7	1
166	Trave	134	100	7	1
167	Trave	135	111	7	1
168	Trave	136	122	7	1
169	Trave	99	137	7	1
170	Trave	110	138	7	1
171	Trave	121	139	7	1
172	Trave	132	140	7	1

14.5 MODELLAZIONE DELLE AZIONI

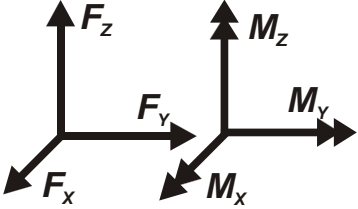
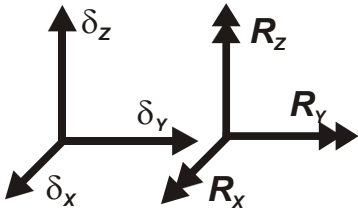
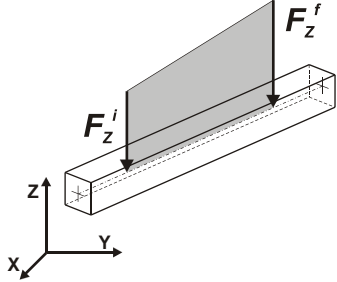
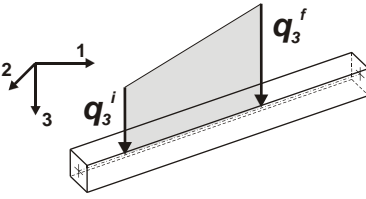
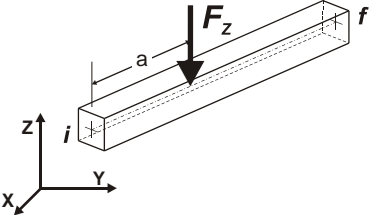
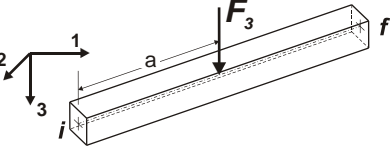
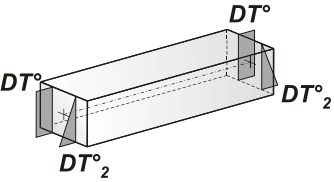
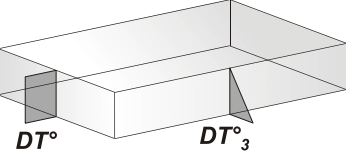
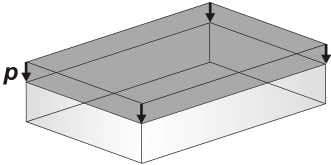
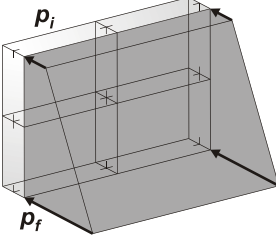
14.5.1 LEGENDA TABELLA DATI AZIONI

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

1	carico concentrato nodale 6 dati (forza F_x , F_y , F_z , momento M_x , M_y , M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x , T_y , T_z , rotazione R_x , R_y , R_z)
3	carico distribuito globale su elemento tipo trave 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di inizio carico) 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di inizio carico) 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (F_x , F_y , F_z , M_x , M_y , M_z , ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F_1 , F_2 , F_3 , M_1 , M_2 , M_3 , ascissa di carico)

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7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)

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

Tipo	carico distribuito globale su trave
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Id	Tipo	Pos.	fx	fy	fz	mx	my	mz
		m	kN/ m	kN/ m	kN/ m	kN	kN	kN
1	qrk	0.0	0.0	0.0	-7.50	0.0	0.0	0.0
		0.0	0.0	0.0	-7.50	0.0	0.0	0.0
2	q1k	0.0	0.0	0.0	-19.50	0.0	0.0	0.0
		0.0	0.0	0.0	-19.50	0.0	0.0	0.0
3	Q1k	0.0	0.0	0.0	-200.00	0.0	0.0	0.0
		0.0	0.0	0.0	-200.00	0.0	0.0	0.0
4	Q2k	0.0	0.0	0.0	-133.33	0.0	0.0	0.0
		0.0	0.0	0.0	-133.33	0.0	0.0	0.0
5	Q3k	0.0	0.0	0.0	-66.67	0.0	0.0	0.0
		0.0	0.0	0.0	-66.67	0.0	0.0	0.0
6	Q_pav	0.0	0.0	0.0	-7.50	0.0	0.0	0.0
		0.0	0.0	0.0	-7.50	0.0	0.0	0.0
8	Q_finiture dx	0.0	0.0	0.0	-7.53	0.0	0.0	0.0
		0.0	0.0	0.0	-7.53	0.0	0.0	0.0
11	FRENATURA X+	0.0	35.00	0.0	0.0	0.0	0.0	0.0
		0.0	35.00	0.0	0.0	0.0	0.0	0.0

Tipo	variazione termica applicata a trave
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Id	Tipo	DT uniforme	DT iniziale	DT finale	DT 2-2 ini	DT 2-2 fin	DT 3-3 ini	DT 3-3 fin
		C	C	C	C	C	C	C
9	T2:DT=40.00	40.00	0.0	0.0	0.0	0.0	0.0	0.0

14.6 SCHEMATIZZAZIONE DEI CASI DI CARICO

14.6.1 LEGENDA TABELLA CASI DI CARICO

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

Sono previsti i seguenti 11 tipi di casi di carico:

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

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

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

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

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

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:

Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).

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

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

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

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

CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Qk	Q stradale	
3	Qk	Q appoggio	
4	Qk	Q mezzeria	
5	Qk	Q poermanente	
6	Qk	Q_termico	
			D2 :da 125 a 172 Azione : T2:DT=40.00

14.7 DEFINIZIONE DELLE COMBINAZIONI

14.7.1 LEGENDA TABELLA COMBINAZIONI DI CARICO

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

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

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

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

Cmb	Tipo	Sigla Id	Peso	CDC
1	SLE(r)	PERMANENTI	1.00	Q poermanente
2	SLE(r)	ACCIDENTALI	1.00	Q stradale
			1.00	Q mezzeria
3	SLU	SLU STR	1.35	CDC=Ggk (peso proprio della struttura)
			1.35	Q stradale
			1.35	Q mezzeria
			1.50	Q poermanente

14.8 RISULTATI NODALI

14.8.1 LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.

Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Una seconda tabella riporta per ogni nodo a cui sia associato un vincolo rigido e/o elastico o una fondazione speciale e per ogni combinazione (o caso di carico) i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

Una terza tabella, infine riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione Fz, della reazione Mx e della reazione My.

Nodo	Cmb	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		cm	cm	cm			
89	1	0.0	0.0	-0.08	-1.50e-04	4.58e-04	0.0
89	2	1.06e-04	-7.04e-05	-0.26	-4.04e-05	1.47e-03	0.0
89	3	1.44e-04	-9.50e-05	-0.90	-4.04e-04	5.06e-03	0.0
90	1	0.0	0.0	-0.19	-2.53e-04	4.04e-04	0.0
90	2	2.06e-04	-1.23e-04	-0.61	-9.47e-05	1.34e-03	0.0
90	3	2.78e-04	-1.67e-04	-2.11	-7.12e-04	4.56e-03	0.0
91	1	0.0	0.0	-0.28	-3.34e-04	3.24e-04	0.0
91	2	2.67e-04	-1.81e-04	-0.92	-1.43e-04	1.12e-03	0.0
91	3	3.61e-04	-2.45e-04	-3.16	-9.63e-04	3.75e-03	0.0
92	1	0.0	0.0	-0.35	-3.89e-04	2.25e-04	0.0
92	2	3.07e-04	-2.55e-04	-1.17	-1.83e-04	8.21e-04	0.0
92	3	4.14e-04	-3.45e-04	-3.96	-1.14e-03	2.68e-03	0.0
93	1	0.0	0.0	-0.39	-4.20e-04	1.15e-04	0.0
93	2	3.32e-04	-3.28e-04	-1.33	-2.08e-04	4.43e-04	0.0
93	3	4.48e-04	-4.43e-04	-4.48	-1.25e-03	1.40e-03	0.0
94	1	0.0	0.0	-0.41	-4.29e-04	0.0	0.0
94	2	3.49e-04	-4.04e-04	-1.38	-2.15e-04	0.0	0.0
94	3	4.71e-04	-5.45e-04	-4.65	-1.28e-03	0.0	0.0
95	1	0.0	0.0	-0.39	-4.21e-04	-1.15e-04	0.0
95	2	3.59e-04	-4.80e-04	-1.33	-2.08e-04	-4.43e-04	0.0
95	3	4.84e-04	-6.48e-04	-4.48	-1.25e-03	-1.40e-03	0.0
96	1	0.0	0.0	-0.35	-3.91e-04	-2.25e-04	0.0

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96	2	3.65e-04	-5.47e-04	-1.17	-1.83e-04	-8.21e-04	0.0
96	3	4.93e-04	-7.38e-04	-3.96	-1.15e-03	-2.68e-03	0.0
97	1	0.0	0.0	-0.28	-3.36e-04	-3.24e-04	0.0
97	2	3.69e-04	-6.14e-04	-0.92	-1.43e-04	-1.12e-03	0.0
97	3	4.98e-04	-8.29e-04	-3.16	-9.66e-04	-3.75e-03	0.0
98	1	0.0	0.0	-0.19	-2.55e-04	-4.04e-04	0.0
98	2	3.71e-04	-6.86e-04	-0.61	-9.47e-05	-1.34e-03	0.0
98	3	5.01e-04	-9.26e-04	-2.11	-7.15e-04	-4.56e-03	0.0
99	1	0.0	0.0	-0.08	-1.53e-04	-4.58e-04	0.0
99	2	3.72e-04	-7.54e-04	-0.26	-4.04e-05	-1.47e-03	0.0
99	3	5.03e-04	-1.02e-03	-0.90	-4.09e-04	-5.06e-03	0.0
100	1	0.0	0.0	-0.06	-1.18e-05	3.49e-04	0.0
100	2	1.26e-04	-4.84e-05	-0.24	-1.00e-04	1.36e-03	0.0
100	3	1.70e-04	-6.53e-05	-0.83	-1.71e-04	4.66e-03	0.0
101	1	0.0	0.0	-0.15	-4.19e-05	3.19e-04	0.0
101	2	2.52e-04	-1.20e-04	-0.57	-2.42e-04	1.24e-03	0.0
101	3	3.40e-04	-1.62e-04	-1.95	-4.43e-04	4.22e-03	0.0
102	1	0.0	0.0	-0.22	-6.94e-05	2.63e-04	0.0
102	2	3.39e-04	-1.90e-04	-0.85	-3.71e-04	1.03e-03	0.0
102	3	4.57e-04	-2.57e-04	-2.91	-6.90e-04	3.48e-03	0.0
103	1	0.0	0.0	-0.28	-8.83e-05	1.86e-04	0.0
103	2	4.15e-04	-2.60e-04	-1.08	-4.75e-04	7.56e-04	0.0
103	3	5.60e-04	-3.51e-04	-3.67	-8.83e-04	2.49e-03	0.0
104	1	0.0	0.0	-0.31	-9.94e-05	9.63e-05	0.0
104	2	4.98e-04	-3.31e-04	-1.23	-5.46e-04	4.10e-04	0.0
104	3	6.72e-04	-4.47e-04	-4.15	-1.01e-03	1.32e-03	0.0
105	1	0.0	0.0	-0.32	-1.03e-04	0.0	0.0
105	2	6.01e-04	-4.03e-04	-1.28	-5.73e-04	0.0	0.0
105	3	8.12e-04	-5.44e-04	-4.31	-1.05e-03	0.0	0.0
106	1	0.0	0.0	-0.31	-9.94e-05	-9.69e-05	0.0
106	2	5.26e-04	-4.75e-04	-1.23	-5.46e-04	-4.10e-04	0.0
106	3	7.11e-04	-6.41e-04	-4.15	-1.01e-03	-1.32e-03	0.0
107	1	0.0	0.0	-0.27	-8.84e-05	-1.87e-04	0.0
107	2	4.79e-04	-5.45e-04	-1.08	-4.75e-04	-7.56e-04	0.0
107	3	6.46e-04	-7.36e-04	-3.67	-8.83e-04	-2.50e-03	0.0
108	1	0.0	0.0	-0.22	-6.94e-05	-2.63e-04	0.0
108	2	4.50e-04	-6.16e-04	-0.85	-3.71e-04	-1.03e-03	0.0
108	3	6.08e-04	-8.32e-04	-2.91	-6.90e-04	-3.48e-03	0.0

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109	1	0.0	0.0	-0.15	-4.19e-05	-3.18e-04	0.0
109	2	4.34e-04	-6.86e-04	-0.57	-2.42e-04	-1.24e-03	0.0
109	3	5.86e-04	-9.27e-04	-1.95	-4.43e-04	-4.22e-03	0.0
110	1	0.0	0.0	-0.06	-1.17e-05	-3.48e-04	0.0
110	2	4.25e-04	-7.56e-04	-0.24	-1.00e-04	-1.36e-03	0.0
110	3	5.74e-04	-1.02e-03	-0.83	-1.71e-04	-4.66e-03	0.0
111	1	0.0	0.0	-0.07	4.39e-05	3.80e-04	0.0
111	2	6.81e-05	-3.49e-05	-0.20	-1.61e-04	1.12e-03	0.0
111	3	9.19e-05	-4.72e-05	-0.78	-1.33e-04	4.39e-03	0.0
112	1	0.0	0.0	-0.16	1.17e-04	3.45e-04	0.0
112	2	1.31e-04	-1.17e-04	-0.47	-3.80e-04	1.02e-03	0.0
112	3	1.76e-04	-1.58e-04	-1.83	-2.84e-04	3.96e-03	0.0
113	1	0.0	0.0	-0.24	1.81e-04	2.83e-04	0.0
113	2	1.68e-04	-1.96e-04	-0.70	-5.80e-04	8.43e-04	0.0
113	3	2.27e-04	-2.65e-04	-2.74	-4.27e-04	3.26e-03	0.0
114	1	0.0	0.0	-0.30	2.27e-04	2.00e-04	0.0
114	2	1.92e-04	-2.65e-04	-0.88	-7.44e-04	6.09e-04	0.0
114	3	2.59e-04	-3.57e-04	-3.44	-5.55e-04	2.32e-03	0.0
115	1	0.0	0.0	-0.34	2.55e-04	1.03e-04	0.0
115	2	2.06e-04	-3.35e-04	-1.00	-8.57e-04	3.24e-04	0.0
115	3	2.79e-04	-4.52e-04	-3.88	-6.53e-04	1.21e-03	0.0
116	1	0.0	0.0	-0.35	2.64e-04	0.0	0.0
116	2	2.16e-04	-4.03e-04	-1.04	-9.04e-04	0.0	0.0
116	3	2.91e-04	-5.44e-04	-4.03	-6.98e-04	0.0	0.0
117	1	0.0	0.0	-0.34	2.55e-04	-1.03e-04	0.0
117	2	2.22e-04	-4.70e-04	-1.00	-8.57e-04	-3.24e-04	0.0
117	3	2.99e-04	-6.35e-04	-3.88	-6.52e-04	-1.21e-03	0.0
118	1	0.0	0.0	-0.30	2.28e-04	-2.00e-04	0.0
118	2	2.26e-04	-5.44e-04	-0.88	-7.44e-04	-6.09e-04	0.0
118	3	3.05e-04	-7.34e-04	-3.44	-5.53e-04	-2.32e-03	0.0
119	1	0.0	0.0	-0.24	1.82e-04	-2.83e-04	0.0
119	2	2.28e-04	-6.16e-04	-0.70	-5.80e-04	-8.43e-04	0.0
119	3	3.07e-04	-8.32e-04	-2.74	-4.25e-04	-3.26e-03	0.0
120	1	0.0	0.0	-0.16	1.18e-04	-3.45e-04	0.0
120	2	2.28e-04	-6.87e-04	-0.47	-3.80e-04	-1.02e-03	0.0
120	3	3.08e-04	-9.27e-04	-1.83	-2.82e-04	-3.96e-03	0.0
121	1	0.0	0.0	-0.07	4.57e-05	-3.80e-04	0.0
121	2	2.29e-04	-7.60e-04	-0.20	-1.61e-04	-1.12e-03	0.0

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121	3	3.10e-04	-1.03e-03	-0.78	-1.31e-04	-4.38e-03	0.0
122	1	0.0	0.0	-0.09	1.67e-04	5.25e-04	0.0
122	2	1.95e-05	-3.64e-05	-0.15	-1.79e-04	8.51e-04	0.0
122	3	2.64e-05	-4.91e-05	-0.77	1.34e-04	4.33e-03	0.0
123	1	0.0	0.0	-0.22	2.89e-04	4.65e-04	0.0
123	2	3.73e-05	-1.15e-04	-0.36	-3.53e-04	7.74e-04	0.0
123	3	5.04e-05	-1.56e-04	-1.80	1.62e-04	3.89e-03	0.0
124	1	0.0	0.0	-0.32	3.89e-04	3.75e-04	0.0
124	2	4.83e-05	-1.95e-04	-0.53	-5.12e-04	6.38e-04	0.0
124	3	6.52e-05	-2.63e-04	-2.69	1.61e-04	3.17e-03	0.0
125	1	0.0	0.0	-0.40	4.61e-04	2.62e-04	0.0
125	2	5.51e-05	-2.67e-04	-0.67	-6.40e-04	4.54e-04	0.0
125	3	7.44e-05	-3.60e-04	-3.37	1.41e-04	2.24e-03	0.0
126	1	0.0	0.0	-0.45	5.05e-04	1.34e-04	0.0
126	2	5.95e-05	-3.36e-04	-0.76	-7.27e-04	2.37e-04	0.0
126	3	8.03e-05	-4.54e-04	-3.80	1.14e-04	1.15e-03	0.0
127	1	0.0	0.0	-0.47	5.19e-04	0.0	0.0
127	2	6.23e-05	-4.02e-04	-0.79	-7.61e-04	0.0	0.0
127	3	8.41e-05	-5.43e-04	-3.94	9.88e-05	0.0	0.0
128	1	0.0	0.0	-0.45	5.05e-04	-1.34e-04	0.0
128	2	6.40e-05	-4.69e-04	-0.76	-7.27e-04	-2.37e-04	0.0
128	3	8.64e-05	-6.33e-04	-3.80	1.14e-04	-1.15e-03	0.0
129	1	0.0	0.0	-0.40	4.62e-04	-2.61e-04	0.0
129	2	6.52e-05	-5.44e-04	-0.67	-6.40e-04	-4.54e-04	0.0
129	3	8.80e-05	-7.34e-04	-3.37	1.41e-04	-2.24e-03	0.0
130	1	0.0	0.0	-0.32	3.90e-04	-3.74e-04	0.0
130	2	6.59e-05	-6.19e-04	-0.53	-5.12e-04	-6.38e-04	0.0
130	3	8.90e-05	-8.35e-04	-2.69	1.62e-04	-3.17e-03	0.0
131	1	0.0	0.0	-0.22	2.90e-04	-4.65e-04	0.0
131	2	6.65e-05	-6.87e-04	-0.36	-3.53e-04	-7.74e-04	0.0
131	3	8.97e-05	-9.27e-04	-1.81	1.63e-04	-3.89e-03	0.0
132	1	0.0	0.0	-0.09	1.67e-04	-5.26e-04	0.0
132	2	6.67e-05	-7.57e-04	-0.15	-1.79e-04	-8.51e-04	0.0
132	3	9.01e-05	-1.02e-03	-0.77	1.34e-04	-4.33e-03	0.0
133	1	0.0	0.0	0.0	-2.94e-05	4.73e-04	0.0
133	2	0.0	0.0	0.0	-4.27e-06	1.50e-03	0.0
133	3	0.0	0.0	-1.71e-06	-6.97e-05	5.19e-03	0.0
134	1	0.0	0.0	0.0	6.45e-06	3.55e-04	0.0

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134	2	0.0	0.0	0.0	-7.16e-06	1.39e-03	0.0
134	3	0.0	0.0	-1.29e-06	3.54e-06	4.77e-03	0.0
135	1	0.0	0.0	0.0	-4.28e-06	3.88e-04	0.0
135	2	0.0	0.0	0.0	-7.61e-06	1.14e-03	0.0
135	3	0.0	0.0	-1.22e-06	-2.02e-05	4.48e-03	0.0
136	1	0.0	0.0	0.0	3.16e-05	5.42e-04	0.0
136	2	0.0	0.0	0.0	-2.88e-05	8.67e-04	0.0
136	3	0.0	0.0	-1.36e-06	2.83e-05	4.44e-03	0.0
137	1	0.0	0.0	0.0	-3.00e-05	-4.72e-04	0.0
137	2	3.73e-04	-7.97e-04	0.0	-4.27e-06	-1.50e-03	0.0
137	3	5.03e-04	-1.08e-03	-1.70e-06	-7.06e-05	-5.19e-03	0.0
138	1	0.0	0.0	0.0	6.56e-06	-3.53e-04	0.0
138	2	4.25e-04	-8.04e-04	0.0	-7.16e-06	-1.39e-03	0.0
138	3	5.73e-04	-1.09e-03	-1.27e-06	3.71e-06	-4.77e-03	0.0
139	1	0.0	0.0	0.0	-4.12e-06	-3.88e-04	0.0
139	2	2.29e-04	-8.12e-04	0.0	-7.61e-06	-1.14e-03	0.0
139	3	3.10e-04	-1.10e-03	-1.22e-06	-2.00e-05	-4.48e-03	0.0
140	1	0.0	0.0	0.0	3.16e-05	-5.43e-04	0.0
140	2	6.70e-05	-8.11e-04	0.0	-2.88e-05	-8.67e-04	0.0
140	3	9.04e-05	-1.09e-03	-1.36e-06	2.83e-05	-4.44e-03	0.0

Nodo	Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
	0.0	-1.10e-03	-4.65	-1.28e-03	-5.19e-03	0.0
	8.12e-04	0.0	0.0	5.19e-04	5.19e-03	0.0

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		kN	kN	kN	kN m	kN m	kN m
133	1	0.0	0.0	-229.51	0.0	0.0	0.0
133	2	29.20	-2.12	-410.26	0.0	0.0	0.0
133	3	39.42	-2.87	-1707.06	0.0	0.0	0.0
134	1	0.0	0.0	-31.19	0.0	0.0	0.0
134	2	34.40	-0.15	-413.42	0.0	0.0	0.0
134	3	46.44	-0.20	-1286.16	0.0	0.0	0.0
135	1	0.0	0.0	-52.27	0.0	0.0	0.0
135	2	18.61	1.36	-341.94	0.0	0.0	0.0
135	3	25.12	1.84	-1221.29	0.0	0.0	0.0
136	1	0.0	0.0	-263.19	0.0	0.0	0.0
136	2	5.30	0.91	-114.37	0.0	0.0	0.0

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136	3	7.15	1.23	-1358.13	0.0	0.0	0.0
137	1	0.0	0.0	-227.12	0.0	0.0	0.0
137	2	0.0	0.0	-410.26	0.0	0.0	0.0
137	3	0.0	0.0	-1703.47	0.0	0.0	0.0
138	1	0.0	0.0	-18.21	0.0	0.0	0.0
138	2	0.0	0.0	-413.42	0.0	0.0	0.0
138	3	0.0	0.0	-1266.69	0.0	0.0	0.0
139	1	0.0	0.0	-48.66	0.0	0.0	0.0
139	2	0.0	0.0	-341.94	0.0	0.0	0.0
139	3	0.0	0.0	-1215.88	0.0	0.0	0.0
140	1	0.0	0.0	-263.75	0.0	0.0	0.0
140	2	0.0	0.0	-114.37	0.0	0.0	0.0
140	3	0.0	0.0	-1358.97	0.0	0.0	0.0

Nodo	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
	0.0	-2.87	-1707.06	0.0	0.0	0.0
	46.44	1.84	-18.21	0.0	0.0	0.0

Nodo	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		kN	kN	kN	kN m	kN m	kN m
133	3	39.42	-2.87	-1707.06	0.0	0.0	0.0
	1	0.0	0.0	-229.51	0.0	0.0	0.0
	1	0.0	0.0	-229.51	0.0	0.0	0.0
	1	0.0	0.0	-229.51	0.0	0.0	0.0
	1	0.0	0.0	-229.51	0.0	0.0	0.0
	1	0.0	0.0	-229.51	0.0	0.0	0.0
134	3	46.44	-0.20	-1286.16	0.0	0.0	0.0
	1	0.0	0.0	-31.19	0.0	0.0	0.0
	1	0.0	0.0	-31.19	0.0	0.0	0.0
	1	0.0	0.0	-31.19	0.0	0.0	0.0
	1	0.0	0.0	-31.19	0.0	0.0	0.0
	1	0.0	0.0	-31.19	0.0	0.0	0.0
135	3	25.12	1.84	-1221.29	0.0	0.0	0.0
	1	0.0	0.0	-52.27	0.0	0.0	0.0
	1	0.0	0.0	-52.27	0.0	0.0	0.0
	1	0.0	0.0	-52.27	0.0	0.0	0.0
	1	0.0	0.0	-52.27	0.0	0.0	0.0
	1	0.0	0.0	-52.27	0.0	0.0	0.0

				S.S. N.9 "Via Emilia"			
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136	3	7.15	1.23	-1358.13	0.0	0.0	0.0
	2	5.30	0.91	-114.37	0.0	0.0	0.0
	1	0.0	0.0	-263.19	0.0	0.0	0.0
	1	0.0	0.0	-263.19	0.0	0.0	0.0
	1	0.0	0.0	-263.19	0.0	0.0	0.0
	1	0.0	0.0	-263.19	0.0	0.0	0.0
137	3	0.0	0.0	-1703.47	0.0	0.0	0.0
	1	0.0	0.0	-227.12	0.0	0.0	0.0
	1	0.0	0.0	-227.12	0.0	0.0	0.0
	1	0.0	0.0	-227.12	0.0	0.0	0.0
	1	0.0	0.0	-227.12	0.0	0.0	0.0
	1	0.0	0.0	-227.12	0.0	0.0	0.0
138	3	0.0	0.0	-1266.69	0.0	0.0	0.0
	1	0.0	0.0	-18.21	0.0	0.0	0.0
	1	0.0	0.0	-18.21	0.0	0.0	0.0
	1	0.0	0.0	-18.21	0.0	0.0	0.0
	1	0.0	0.0	-18.21	0.0	0.0	0.0
	1	0.0	0.0	-18.21	0.0	0.0	0.0
139	3	0.0	0.0	-1215.88	0.0	0.0	0.0
	1	0.0	0.0	-48.66	0.0	0.0	0.0
	1	0.0	0.0	-48.66	0.0	0.0	0.0
	1	0.0	0.0	-48.66	0.0	0.0	0.0
	1	0.0	0.0	-48.66	0.0	0.0	0.0
	1	0.0	0.0	-48.66	0.0	0.0	0.0
140	3	0.0	0.0	-1358.97	0.0	0.0	0.0
	2	0.0	0.0	-114.37	0.0	0.0	0.0
	1	0.0	0.0	-263.75	0.0	0.0	0.0
	1	0.0	0.0	-263.75	0.0	0.0	0.0
	1	0.0	0.0	-263.75	0.0	0.0	0.0
	1	0.0	0.0	-263.75	0.0	0.0	0.0

14.9 RISULTATI ELEMENTI TIPO TRAVE

14.9.1 LEGENDA RISULTATI ELEMENTI TIPO TRAVE

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

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

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

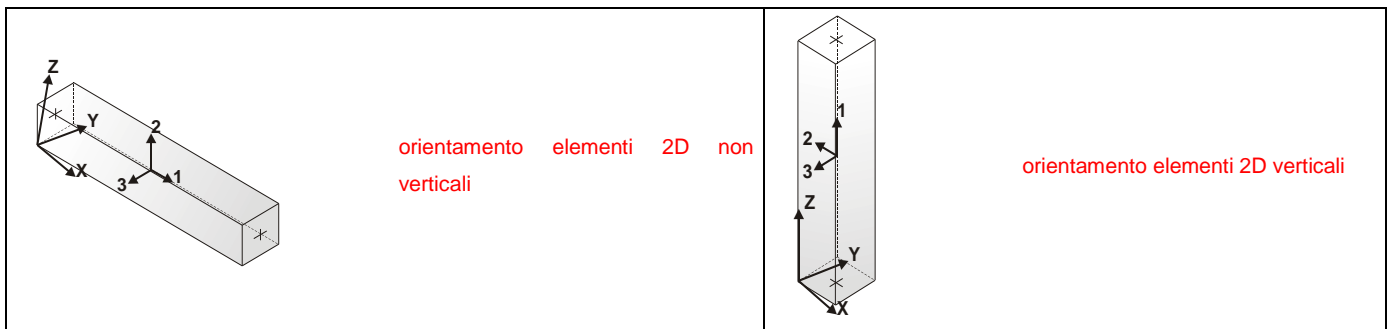
Per ogni elemento, e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

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

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

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

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



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Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		kN m	kN m	m	kN	cm	kN	kN	kN	kN m	kN m	kN m
125	1	517.10	0.0	-1.08e-03	0.0	0.0	0.0	88.16	0.0	-40.41	0.0	296.71
		296.71	0.0	0.0	0.0	250.0	0.0	88.16	0.0	-40.41	0.0	517.10
125	2	1304.89	-0.26	-3.53e-03	0.0	0.0	19.09	279.80	0.50	-21.38	-1.50	605.38
		605.38	-1.50	0.0	0.0	250.0	19.09	279.80	0.50	-21.38	-0.26	1304.89
125	3	5040.23	-0.35	-0.01	-100.23	0.0	25.77	1079.95	0.67	-121.01	-2.03	2465.64
		2465.64	-2.03	0.0	0.0	250.0	25.77	979.72	0.67	-121.01	-0.35	5040.23
126	1	693.29	0.0	-9.15e-04	0.0	0.0	0.0	71.24	0.0	-31.87	0.0	515.18
		515.18	0.0	0.0	0.0	250.0	0.0	71.24	0.0	-31.87	0.0	693.29
126	2	1987.58	1.57	-3.10e-03	0.0	0.0	11.75	273.35	-0.74	-19.10	1.57	1304.21
		1304.21	-0.27	0.0	0.0	250.0	11.75	273.35	-0.74	-19.10	-0.27	1987.58
126	3	7262.09	2.11	-0.01	-100.23	0.0	15.87	940.61	-0.99	-98.69	2.11	5035.85
		5035.85	-0.37	0.0	0.0	250.0	15.87	840.38	-0.99	-98.69	-0.37	7262.09
127	1	808.02	0.0	-6.90e-04	0.0	0.0	0.0	46.23	0.0	-21.80	0.0	692.44
		692.44	0.0	0.0	0.0	250.0	0.0	46.23	0.0	-21.80	0.0	808.02
127	2	2595.88	1.46	-2.45e-03	0.0	0.0	7.56	243.99	-1.05	-15.61	1.46	1985.91
		1985.91	-1.16	0.0	0.0	250.0	7.56	243.99	-1.05	-15.61	-1.16	2595.88
127	3	8989.24	1.97	-8.08e-03	-100.23	0.0	10.21	742.92	-1.41	-71.33	1.97	7257.24
		7257.24	-1.56	1.00e-06	0.0	250.0	10.21	642.68	-1.41	-71.33	-1.56	8989.24
128	1	866.20	0.0	-4.26e-04	0.0	0.0	0.0	23.18	0.0	-12.12	0.0	808.25
		808.25	0.0	0.0	0.0	250.0	0.0	23.18	0.0	-12.12	0.0	866.20
128	2	3135.63	0.64	-1.59e-03	0.0	0.0	4.82	216.26	-0.53	-9.88	0.64	2594.99
		2594.99	-0.68	0.0	0.0	250.0	4.82	216.26	-0.53	-9.88	-0.68	3135.63
128	3	1.024e+04	0.86	-5.13e-03	-100.23	0.0	6.50	552.12	-0.71	-41.62	0.86	8988.21
		8988.21	-0.92	0.0	0.0	250.0	6.50	451.89	-0.71	-41.62	-0.92	1.024e+04
129	1	870.73	0.0	-1.43e-04	0.0	0.0	0.0	1.45	0.0	-3.69	0.0	867.10
		867.10	0.0	0.0	0.0	250.0	0.0	1.45	0.0	-3.69	0.0	870.73
129	2	3569.02	1.03	-5.65e-04	0.0	0.0	3.17	169.77	-0.74	-2.59	1.03	3144.60
		3144.60	-0.81	0.0	0.0	250.0	3.17	169.77	-0.74	-2.59	-0.81	3569.02
129	3	1.098e+04	1.39	-1.77e-03	-100.23	0.0	4.27	339.03	-0.99	-12.23	1.39	1.026e+04
		1.026e+04	-1.09	1.02e-06	0.0	250.0	4.27	238.80	-0.99	-12.23	-1.09	1.098e+04
130	1	870.72	0.0	-1.43e-04	0.0	0.0	0.0	-1.56	0.0	3.41	0.0	870.72
		866.83	0.0	0.0	0.0	250.0	0.0	-1.56	0.0	3.41	0.0	866.83
130	2	3569.02	1.03	-5.65e-04	0.0	0.0	1.93	-169.77	-0.95	2.59	1.03	3569.02
		3144.60	-1.34	0.0	0.0	250.0	1.93	-169.77	-0.95	2.59	-1.34	3144.60

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130	3	1.098e+04	1.39	-1.77e-03	-100.23	0.0	2.60	-238.96	-1.28	11.82	1.39	1.098e+04
		1.026e+04	-1.81	1.03e-06	0.0	250.0	2.60	-339.19	-1.28	11.82	-1.81	1.026e+04
131	1	865.93	0.0	-4.26e-04	0.0	0.0	0.0	-23.23	0.0	11.85	0.0	865.93
		807.86	0.0	0.0	0.0	250.0	0.0	-23.23	0.0	11.85	0.0	807.86
131	2	3135.63	0.32	-1.59e-03	0.0	0.0	1.28	-216.26	-0.41	9.88	0.32	3135.63
		2594.99	-0.70	0.0	0.0	250.0	1.28	-216.26	-0.41	9.88	-0.70	2594.99
131	3	1.024e+04	0.44	-5.13e-03	-100.23	0.0	1.73	-451.96	-0.55	41.22	0.44	1.024e+04
		8987.63	-0.95	0.0	0.0	250.0	1.73	-552.20	-0.55	41.22	-0.95	8987.63
132	1	807.63	0.0	-6.90e-04	0.0	0.0	0.0	-46.13	0.0	21.56	0.0	807.63
		692.30	0.0	0.0	0.0	250.0	0.0	-46.13	0.0	21.56	0.0	692.30
132	2	2595.88	0.94	-2.45e-03	0.0	0.0	0.75	-243.99	-0.63	15.61	0.94	2595.88
		1985.91	-0.63	0.0	0.0	250.0	0.75	-243.99	-0.63	15.61	-0.63	1985.91
132	3	8988.65	1.27	-8.08e-03	-100.23	0.0	1.01	-642.53	-0.85	70.98	1.27	8988.65
		7257.03	-0.86	0.0	0.0	250.0	1.01	-742.77	-0.85	70.98	-0.86	7257.03
133	1	693.21	0.0	-9.15e-04	0.0	0.0	0.0	-70.89	0.0	31.71	0.0	693.21
		515.98	0.0	0.0	0.0	250.0	0.0	-70.89	0.0	31.71	0.0	515.98
133	2	1987.58	1.05	-3.10e-03	0.0	0.0	0.40	-273.35	-0.81	19.10	1.05	1987.58
		1304.21	-0.97	0.0	0.0	250.0	0.40	-273.35	-0.81	19.10	-0.97	1304.21
133	3	7261.96	1.42	-0.01	-100.23	0.0	0.54	-839.85	-1.09	98.46	1.42	7261.96
		5037.04	-1.31	0.0	0.0	250.0	0.54	-940.08	-1.09	98.46	-1.31	5037.04
134	1	518.36	0.0	-1.08e-03	0.0	0.0	0.0	-89.14	0.0	40.14	0.0	518.36
		295.50	0.0	0.0	0.0	250.0	0.0	-89.14	0.0	40.14	0.0	295.50
134	2	1304.89	0.69	-3.53e-03	0.0	0.0	0.21	-279.80	-0.74	21.38	0.69	1304.89
		605.38	-1.16	0.0	0.0	250.0	0.21	-279.80	-0.74	21.38	-1.16	605.38
134	3	5042.12	0.92	-0.01	-100.23	0.0	0.29	-981.20	-0.99	120.60	0.92	5042.12
		2463.82	-1.56	0.0	0.0	250.0	0.29	-1081.44	-0.99	120.60	-1.56	2463.82
135	1	324.75	0.0	-8.39e-04	0.0	0.0	0.0	75.45	0.0	-11.85	0.0	324.75
		136.12	0.0	0.0	0.0	250.0	0.0	75.45	0.0	-11.85	0.0	324.75
135	2	1248.76	0.26	-3.26e-03	0.0	0.0	24.15	252.38	-0.20	-55.84	0.26	617.81
		617.81	-0.25	0.0	0.0	250.0	24.15	252.38	-0.20	-55.84	-0.25	1248.76
135	3	4524.97	0.35	-0.01	-100.23	0.0	32.60	1015.09	-0.27	-107.23	0.35	2112.54
		2112.54	-0.33	0.0	0.0	250.0	32.60	914.85	-0.27	-107.23	-0.33	4524.97
136	1	510.35	0.0	-7.31e-04	0.0	0.0	0.0	69.03	0.0	-10.80	0.0	337.77
		337.77	0.0	0.0	0.0	250.0	0.0	69.03	0.0	-10.80	0.0	510.35
136	2	1837.23	0.09	-2.85e-03	0.0	0.0	16.57	239.00	-0.10	-50.48	0.09	1239.74
		1239.74	-0.17	0.0	0.0	250.0	16.57	239.00	-0.10	-50.48	-0.17	1837.23
136	3	6636.42	0.12	-9.69e-03	-100.23	0.0	22.37	887.59	-0.14	-97.11	0.12	4542.75
		4542.75	-0.23	0.0	0.0	250.0	22.37	787.35	-0.14	-97.11	-0.23	6636.42

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137	1	641.01	0.0	-5.65e-04	0.0	0.0	0.0	50.51	0.0	-7.46	0.0	514.73
		514.73	0.0	0.0	0.0	250.0	0.0	50.51	0.0	-7.46	0.0	641.01
137	2	2373.05	0.12	-2.25e-03	0.0	0.0	14.65	216.48	-0.09	-41.19	0.12	1831.86
		1831.86	-0.09	0.0	0.0	250.0	14.65	216.48	-0.09	-41.19	-0.09	2373.05
137	3	8296.73	0.17	-7.52e-03	-100.23	0.0	19.77	713.31	-0.12	-75.88	0.17	6638.76
		6638.76	-0.13	0.0	0.0	250.0	19.77	613.07	-0.12	-75.88	-0.13	8296.73
138	1	719.29	0.0	-3.55e-04	0.0	0.0	0.0	29.81	0.0	-4.35	0.0	644.76
		644.76	0.0	0.0	0.0	250.0	0.0	29.81	0.0	-4.35	0.0	719.29
138	2	2875.62	0.21	-1.47e-03	0.0	0.0	15.80	203.99	-0.14	-27.86	0.21	2365.64
		2365.64	-0.13	0.0	0.0	250.0	15.80	203.99	-0.14	-27.86	-0.13	2875.62
138	3	9538.34	0.29	-4.80e-03	-100.23	0.0	21.33	547.49	-0.18	-49.53	0.29	8294.90
		8294.90	-0.17	0.0	0.0	250.0	21.33	447.26	-0.18	-49.53	-0.17	9538.34
139	1	741.08	0.0	-1.20e-04	0.0	0.0	0.0	7.02	0.0	-1.43	0.0	723.54
		723.54	0.0	0.0	0.0	250.0	0.0	7.02	0.0	-1.43	0.0	741.08
139	2	3347.43	0.19	-5.26e-04	0.0	0.0	19.86	189.15	-0.15	-10.57	0.19	2874.56
		2874.56	-0.19	0.0	0.0	250.0	19.86	189.15	-0.15	-10.57	-0.19	3347.43
139	3	1.036e+04	0.26	-1.67e-03	-100.23	0.0	26.81	373.69	-0.21	-18.17	0.26	9546.36
		9546.36	-0.26	0.0	0.0	250.0	26.81	273.46	-0.21	-18.17	-0.26	1.036e+04
140	1	741.14	0.0	-1.22e-04	0.0	0.0	0.0	-7.17	0.0	1.41	0.0	741.14
		723.20	0.0	0.0	0.0	250.0	0.0	-7.17	0.0	1.41	0.0	723.20
140	2	3347.43	0.15	-5.26e-04	0.0	0.0	-14.32	-189.15	-0.13	10.57	0.15	3347.43
		2874.56	-0.19	0.0	0.0	250.0	-14.32	-189.15	-0.13	10.57	-0.19	2874.56
140	3	1.036e+04	0.20	-1.67e-03	-100.23	0.0	-19.33	-273.69	-0.18	18.14	0.20	1.036e+04
		9545.85	-0.25	0.0	0.0	250.0	-19.33	-373.93	-0.18	18.14	-0.25	9545.85
141	1	719.04	0.0	-3.57e-04	0.0	0.0	0.0	-30.08	0.0	4.34	0.0	719.04
		643.84	0.0	0.0	0.0	250.0	0.0	-30.08	0.0	4.34	0.0	643.84
141	2	2875.62	0.12	-1.47e-03	0.0	0.0	-9.13	-203.99	-0.11	27.86	0.12	2875.62
		2365.64	-0.15	0.0	0.0	250.0	-9.13	-203.99	-0.11	27.86	-0.15	2365.64
141	3	9537.97	0.16	-4.80e-03	-100.23	0.0	-12.33	-447.66	-0.15	49.52	0.16	9537.97
		8293.52	-0.21	0.0	0.0	250.0	-12.33	-547.89	-0.15	49.52	-0.21	8293.52
142	1	640.18	0.0	-5.66e-04	0.0	0.0	0.0	-51.03	0.0	7.47	0.0	640.18
		512.61	0.0	0.0	0.0	250.0	0.0	-51.03	0.0	7.47	0.0	512.61
142	2	2373.05	0.16	-2.25e-03	0.0	0.0	-5.49	-216.48	-0.12	41.19	0.16	2373.05
		1831.86	-0.15	0.0	0.0	250.0	-5.49	-216.48	-0.12	41.19	-0.15	1831.86
142	3	8295.49	0.21	-7.52e-03	-100.23	0.0	-7.41	-613.85	-0.17	75.88	0.21	8295.49
		6635.58	-0.20	0.0	0.0	250.0	-7.41	-714.08	-0.17	75.88	-0.20	6635.58
143	1	508.39	0.0	-7.31e-04	0.0	0.0	0.0	-70.10	0.0	10.83	0.0	508.39
		333.15	0.0	0.0	0.0	250.0	0.0	-70.10	0.0	10.83	0.0	333.15

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143	2	1837.23	0.15	-2.85e-03	0.0	0.0	-3.10	-239.00	-0.14	50.48	0.15	1837.23
		1239.74	-0.20	0.0	0.0	250.0	-3.10	-239.00	-0.14	50.48	-0.20	1239.74
143	3	6633.48	0.21	-9.69e-03	-100.23	0.0	-4.19	-788.95	-0.19	97.15	0.21	6633.48
		4535.81	-0.27	0.0	0.0	250.0	-4.19	-889.19	-0.19	97.15	-0.27	4535.81
144	1	320.39	0.0	-8.38e-04	0.0	0.0	0.0	-78.90	0.0	11.90	0.0	320.39
		123.13	0.0	0.0	0.0	250.0	0.0	-78.90	0.0	11.90	0.0	123.13
144	2	1248.76	0.12	-3.26e-03	0.0	0.0	-1.62	-252.38	-0.11	55.84	0.12	1248.76
		617.81	-0.16	0.0	0.0	250.0	-1.62	-252.38	-0.11	55.84	-0.16	617.81
144	3	4518.42	0.16	-0.01	-100.23	0.0	-2.19	-920.03	-0.15	107.31	0.16	4518.42
		2093.06	-0.22	0.0	0.0	250.0	-2.19	-1020.26	-0.15	107.31	-0.22	2093.06
145	1	368.75	0.0	-9.12e-04	0.0	0.0	0.0	82.25	0.0	28.62	0.0	163.12
		163.12	0.0	0.0	0.0	250.0	0.0	82.25	0.0	28.62	0.0	368.75
145	2	1059.56	0.68	-2.68e-03	0.0	0.0	11.97	220.59	-0.10	-86.26	0.68	508.08
		508.08	0.43	0.0	0.0	250.0	11.97	220.59	-0.10	-86.26	0.43	1059.56
145	3	4335.56	0.91	-0.01	-100.23	0.0	16.16	982.37	-0.13	-59.44	0.91	2004.92
		2004.92	0.58	1.10e-06	0.0	250.0	16.16	882.14	-0.13	-59.44	0.58	4335.56
146	1	561.35	0.0	-7.90e-04	0.0	0.0	0.0	72.72	0.0	25.16	0.0	379.55
		379.55	0.0	0.0	0.0	250.0	0.0	72.72	0.0	25.16	0.0	561.35
146	2	1558.78	0.43	-2.34e-03	0.0	0.0	7.16	199.69	0.65	-78.99	-1.20	1059.55
		1059.55	-1.20	0.0	0.0	250.0	7.16	199.69	0.65	-78.99	0.43	1558.78
146	3	6337.01	0.57	-9.08e-03	-100.23	0.0	9.67	840.06	0.88	-56.14	-1.62	4362.15
		4362.15	-1.62	1.07e-06	0.0	250.0	9.67	739.83	0.88	-56.14	0.57	6337.01
147	1	695.98	0.0	-6.07e-04	0.0	0.0	0.0	52.20	0.0	18.23	0.0	565.49
		565.49	0.0	0.0	0.0	250.0	0.0	52.20	0.0	18.23	0.0	695.98
147	2	1982.93	1.10	-1.83e-03	0.0	0.0	4.52	169.79	0.96	-64.31	-1.29	1558.45
		1558.45	-1.29	0.0	0.0	250.0	4.52	169.79	0.96	-64.31	1.10	1982.93
147	3	7852.53	1.48	-7.01e-03	-100.23	0.0	6.10	652.81	1.29	-50.39	-1.74	6345.80
		6345.80	-1.74	0.0	0.0	250.0	6.10	552.58	1.29	-50.39	1.48	7852.53
148	1	772.04	0.0	-3.80e-04	0.0	0.0	0.0	29.00	0.0	10.95	0.0	699.53
		699.53	0.0	0.0	0.0	250.0	0.0	29.00	0.0	10.95	0.0	772.04
148	2	2331.16	0.69	-1.18e-03	0.0	0.0	2.82	139.29	0.54	-44.72	-0.66	1982.94
		1982.94	-0.66	0.0	0.0	250.0	2.82	139.29	0.54	-44.72	0.69	2331.16
148	3	8882.45	0.94	-4.43e-03	-100.23	0.0	3.81	458.93	0.73	-38.55	-0.89	7860.41
		7860.41	-0.89	0.0	0.0	250.0	3.81	358.70	0.73	-38.55	0.94	8882.45
149	1	783.69	0.0	-1.28e-04	0.0	0.0	0.0	3.20	0.0	3.62	0.0	775.70
		775.70	0.0	0.0	0.0	250.0	0.0	3.20	0.0	3.62	0.0	783.69
149	2	2578.96	0.89	-4.12e-04	0.0	0.0	1.81	97.07	0.75	-18.43	-0.99	2336.27
		2336.27	-0.99	0.0	0.0	250.0	1.81	97.07	0.75	-18.43	0.89	2578.96

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149	3	9381.77	1.20	-1.52e-03	-100.23	0.0	2.44	243.66	1.02	-17.68	-1.34	8897.91
		8897.91	-1.34	0.0	0.0	250.0	2.44	143.43	1.02	-17.68	1.20	9381.77
150	1	783.69	0.0	-1.29e-04	0.0	0.0	0.0	-3.37	0.0	-3.43	0.0	783.69
		775.26	0.0	0.0	0.0	250.0	0.0	-3.37	0.0	-3.43	0.0	775.26
150	2	2578.96	1.16	-4.12e-04	0.0	0.0	1.14	-97.07	0.86	18.43	-1.00	2578.96
		2336.27	-1.00	0.0	0.0	250.0	1.14	-97.07	0.86	18.43	1.16	2336.27
150	3	9381.76	1.57	-1.52e-03	-100.23	0.0	1.54	-143.68	1.17	17.96	-1.34	9381.76
		8897.26	-1.34	0.0	0.0	250.0	1.54	-243.92	1.17	17.96	1.57	8897.26
151	1	771.60	0.0	-3.81e-04	0.0	0.0	0.0	-29.15	0.0	-10.78	0.0	771.60
		698.72	0.0	0.0	0.0	250.0	0.0	-29.15	0.0	-10.78	0.0	698.72
151	2	2331.16	0.72	-1.18e-03	0.0	0.0	0.74	-139.29	0.49	44.72	-0.50	2331.16
		1982.94	-0.50	0.0	0.0	250.0	0.74	-139.29	0.49	44.72	0.72	1982.94
151	3	8881.78	0.97	-4.43e-03	-100.23	0.0	1.00	-358.92	0.66	38.81	-0.68	8881.78
		7859.20	-0.68	0.0	0.0	250.0	1.00	-459.15	0.66	38.81	0.97	7859.20
152	1	695.15	0.0	-6.07e-04	0.0	0.0	0.0	-52.25	0.0	-18.12	0.0	695.15
		564.51	0.0	0.0	0.0	250.0	0.0	-52.25	0.0	-18.12	0.0	564.51
152	2	1982.93	0.75	-1.83e-03	0.0	0.0	0.39	-169.79	0.69	64.31	-0.96	1982.93
		1558.45	-0.96	0.0	0.0	250.0	0.39	-169.79	0.69	64.31	0.75	1558.45
152	3	7851.28	1.01	-7.01e-03	-100.23	0.0	0.53	-552.66	0.93	50.56	-1.30	7851.28
		6344.33	-1.30	0.0	0.0	250.0	0.53	-652.90	0.93	50.56	1.01	6344.33
153	1	560.36	0.0	-7.90e-04	0.0	0.0	0.0	-72.59	0.0	-25.15	0.0	560.36
		378.89	0.0	0.0	0.0	250.0	0.0	-72.59	0.0	-25.15	0.0	378.89
153	2	1558.78	1.00	-2.34e-03	0.0	0.0	0.13	-199.69	0.78	78.99	-0.95	1558.78
		1059.55	-0.95	0.0	0.0	250.0	0.13	-199.69	0.78	78.99	1.00	1059.55
153	3	6335.52	1.35	-9.08e-03	-100.23	0.0	0.18	-739.62	1.05	56.15	-1.28	6335.52
		4361.17	-1.28	0.0	0.0	250.0	0.18	-839.86	1.05	56.15	1.35	4361.17
154	1	368.34	0.0	-9.12e-04	0.0	0.0	0.0	-83.20	0.0	-28.40	0.0	368.34
		160.34	0.0	0.0	0.0	250.0	0.0	-83.20	0.0	-28.40	0.0	160.34
154	2	1059.56	0.98	-2.68e-03	0.0	0.0	0.18	-220.59	0.71	86.26	-0.80	1059.56
		508.08	-0.80	0.0	0.0	250.0	0.18	-220.59	0.71	86.26	0.98	508.08
154	3	4334.94	1.32	-0.01	-100.23	0.0	0.25	-883.56	0.96	59.77	-1.08	4334.94
		2000.74	-1.08	0.0	0.0	250.0	0.25	-983.80	0.96	59.77	1.32	2000.74
155	1	583.68	0.0	-1.24e-03	0.0	0.0	0.0	100.77	0.0	48.03	0.0	331.75
		331.75	0.0	0.0	0.0	250.0	0.0	100.77	0.0	48.03	0.0	583.68
155	2	818.98	1.16	-2.04e-03	0.0	0.0	3.41	190.80	-0.50	-68.41	1.16	341.99
		341.99	-0.10	0.0	0.0	250.0	3.41	190.80	-0.50	-68.41	-0.10	818.98
155	3	4484.13	1.56	-0.01	-100.23	0.0	4.60	978.72	-0.68	11.21	1.56	2162.61
		2162.61	-0.14	1.07e-06	0.0	250.0	4.60	878.49	-0.68	11.21	-0.14	4484.13

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156	1	788.54	0.0	-1.05e-03	0.0	0.0	0.0	83.28	0.0	39.35	0.0	580.35
		580.35	0.0	0.0	0.0	250.0	0.0	83.28	0.0	39.35	0.0	788.54
156	2	1232.35	-0.17	-1.78e-03	0.0	0.0	2.10	159.62	0.06	-62.58	-0.33	833.30
		833.30	-0.33	0.0	0.0	250.0	2.10	159.62	0.06	-62.58	-0.17	1232.35
156	3	6385.40	-0.23	-8.88e-03	-100.23	0.0	2.83	805.12	0.09	-0.35	-0.45	4497.88
		4497.88	-0.45	1.08e-06	0.0	250.0	2.83	704.89	0.09	-0.35	-0.23	6385.40
157	1	926.29	0.0	-7.99e-04	0.0	0.0	0.0	55.76	0.0	28.40	0.0	786.90
		786.90	0.0	0.0	0.0	250.0	0.0	55.76	0.0	28.40	0.0	926.29
157	2	1546.53	0.17	-1.37e-03	0.0	0.0	1.32	123.75	0.25	-50.54	-0.45	1237.15
		1237.15	-0.45	0.0	0.0	250.0	1.32	123.75	0.25	-50.54	0.17	1546.53
157	3	7750.02	0.23	-6.79e-03	-100.23	0.0	1.78	594.88	0.34	-8.07	-0.60	6388.11
		6388.11	-0.60	0.0	0.0	250.0	1.78	494.65	0.34	-8.07	0.23	7750.02
158	1	1004.28	0.0	-4.97e-04	0.0	0.0	0.0	31.38	0.0	17.00	0.0	925.84
		925.84	0.0	0.0	0.0	250.0	0.0	31.38	0.0	17.00	0.0	1004.28
158	2	1751.99	0.03	-8.69e-04	0.0	0.0	0.83	80.63	0.07	-34.27	-0.15	1550.42
		1550.42	-0.15	0.0	0.0	250.0	0.83	80.63	0.07	-34.27	0.03	1751.99
158	3	8582.44	0.04	-4.26e-03	-100.23	0.0	1.13	381.32	0.10	-10.67	-0.20	7754.43
		7754.43	-0.20	0.0	0.0	250.0	1.13	281.09	0.10	-10.67	0.04	8582.44
159	1	1027.35	0.0	-1.68e-04	0.0	0.0	0.0	9.00	0.0	5.70	0.0	1004.85
		1004.85	0.0	0.0	0.0	250.0	0.0	9.00	0.0	5.70	0.0	1027.35
159	2	1829.78	0.15	-2.98e-04	0.0	0.0	0.54	29.41	0.18	-13.04	-0.31	1756.25
		1756.25	-0.31	0.0	0.0	250.0	0.54	29.41	0.18	-13.04	0.15	1829.78
159	3	8866.98	0.21	-1.45e-03	-100.23	0.0	0.73	160.88	0.25	-5.86	-0.41	8590.08
		8590.08	-0.41	0.0	0.0	250.0	0.73	60.64	0.25	-5.86	0.21	8866.98
160	1	1027.34	0.0	-1.68e-04	0.0	0.0	0.0	-8.91	0.0	-5.60	0.0	1027.34
		1005.06	0.0	0.0	0.0	250.0	0.0	-8.91	0.0	-5.60	0.0	1005.06
160	2	1829.78	0.51	-2.98e-04	0.0	0.0	0.33	-29.41	0.29	13.04	-0.22	1829.78
		1756.25	-0.22	0.0	0.0	250.0	0.33	-29.41	0.29	13.04	0.51	1756.25
160	3	8866.96	0.69	-1.45e-03	-100.23	0.0	0.44	-60.50	0.40	6.01	-0.30	8866.96
		8590.41	-0.30	0.0	0.0	250.0	0.44	-160.74	0.40	6.01	0.69	8590.41
161	1	1004.48	0.0	-4.96e-04	0.0	0.0	0.0	-31.25	0.0	-16.92	0.0	1004.48
		926.34	0.0	0.0	0.0	250.0	0.0	-31.25	0.0	-16.92	0.0	926.34
161	2	1751.99	0.22	-8.69e-04	0.0	0.0	0.22	-80.63	-0.04	34.27	0.22	1751.99
		1550.42	0.13	0.0	0.0	250.0	0.22	-80.63	-0.04	34.27	0.13	1550.42
161	3	8582.73	0.29	-4.26e-03	-100.23	0.0	0.30	-280.90	-0.05	10.78	0.29	8582.73
		7755.18	0.17	1.01e-06	0.0	250.0	0.30	-381.14	-0.05	10.78	0.17	7755.18
162	1	926.78	0.0	-7.99e-04	0.0	0.0	0.0	-55.58	0.0	-28.37	0.0	926.78
		787.84	0.0	0.0	0.0	250.0	0.0	-55.58	0.0	-28.37	0.0	787.84

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162	2	1546.53	-0.10	-1.37e-03	0.0	0.0	0.14	-123.75	-0.03	50.54	-0.10	1546.53
		1237.15	-0.18	0.0	0.0	250.0	0.14	-123.75	-0.03	50.54	-0.18	1237.15
162	3	7750.76	-0.14	-6.79e-03	-100.23	0.0	0.19	-494.38	-0.04	8.11	-0.14	7750.76
		6389.52	-0.25	1.01e-06	0.0	250.0	0.19	-594.61	-0.04	8.11	-0.25	6389.52
163	1	789.48	0.0	-1.06e-03	0.0	0.0	0.0	-83.01	0.0	-39.41	0.0	789.48
		581.96	0.0	0.0	0.0	250.0	0.0	-83.01	0.0	-39.41	0.0	581.96
163	2	1232.35	0.24	-1.78e-03	0.0	0.0	0.10	-159.62	0.28	62.58	-0.47	1232.35
		833.30	-0.47	0.0	0.0	250.0	0.10	-159.62	0.28	62.58	0.24	833.30
163	3	6386.81	0.32	-8.88e-03	-100.23	0.0	0.14	-704.49	0.38	0.26	-0.63	6386.81
		4500.30	-0.63	0.0	0.0	250.0	0.14	-804.72	0.38	0.26	0.32	4500.30
164	1	585.48	0.0	-1.25e-03	0.0	0.0	0.0	-100.91	0.0	-48.10	0.0	585.48
		333.20	0.0	0.0	0.0	250.0	0.0	-100.91	0.0	-48.10	0.0	333.20
164	2	818.98	0.49	-2.04e-03	0.0	0.0	0.06	-190.80	0.24	68.41	-0.10	818.98
		341.99	-0.10	0.0	0.0	250.0	0.06	-190.80	0.24	68.41	0.49	341.99
164	3	4486.83	0.66	-0.01	-100.23	0.0	0.08	-878.70	0.32	-11.31	-0.14	4486.83
		2164.79	-0.14	0.0	0.0	250.0	0.08	-978.93	0.32	-11.31	0.66	2164.79
165	1	337.66	0.0	-8.19e-04	0.0	0.0	0.0	199.74	0.0	-67.89	0.0	-11.88
		-11.88	0.0	0.0	0.0	175.0	0.0	199.74	0.0	-67.89	0.0	337.66
165	2	681.32	0.17	-2.60e-03	0.0	0.0	29.10	395.47	-2.12	-20.32	0.17	-10.74
		-10.74	-3.54	0.0	0.0	175.0	29.10	395.47	-2.12	-20.32	-3.54	681.32
165	3	2691.11	0.23	-9.00e-03	-70.16	0.0	39.28	1597.05	-2.87	-188.16	0.23	-42.33
		-42.33	-4.79	0.0	0.0	175.0	39.28	1526.88	-2.87	-188.16	-4.79	2691.11
166	1	126.80	0.0	-6.18e-04	0.0	0.0	0.0	63.77	0.0	-10.27	0.0	15.21
		15.21	0.0	0.0	0.0	175.0	0.0	63.77	0.0	-10.27	0.0	126.80
166	2	701.52	0.24	-2.42e-03	0.0	0.0	34.44	409.10	-0.15	-52.46	0.24	-14.40
		-14.40	-0.01	0.0	0.0	175.0	34.44	409.10	-0.15	-52.46	-0.01	701.52
166	3	2229.91	0.33	-8.28e-03	-70.16	0.0	46.49	1301.67	-0.20	-98.12	0.33	13.37
		13.37	-0.02	0.0	0.0	175.0	46.49	1231.51	-0.20	-98.12	-0.02	2229.91
167	1	160.79	0.0	-6.74e-04	0.0	0.0	0.0	84.85	0.0	27.12	0.0	12.30
		12.30	0.0	0.0	0.0	175.0	0.0	84.85	0.0	27.12	0.0	160.79
167	2	546.31	2.53	-1.99e-03	0.0	0.0	18.62	313.88	1.36	-85.99	0.15	-2.98
		-2.98	0.15	0.0	0.0	175.0	18.62	313.88	1.36	-85.99	2.53	546.31
167	3	2071.36	3.42	-7.79e-03	-70.16	0.0	25.14	1204.75	1.84	-63.51	0.21	24.44
		24.44	0.21	0.0	0.0	175.0	25.14	1134.59	1.84	-63.51	3.42	2071.36
168	1	383.04	0.0	-9.39e-04	0.0	0.0	0.0	227.81	0.0	76.31	0.0	-15.63
		-15.63	0.0	0.0	0.0	175.0	0.0	227.81	0.0	76.31	0.0	383.04
168	2	310.84	1.66	-1.51e-03	0.0	0.0	5.34	161.55	0.91	-84.51	0.07	28.13
		28.13	0.07	0.0	0.0	175.0	5.34	161.55	0.91	-84.51	1.66	310.84

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

168	3	2259.03	2.24	-7.71e-03	-70.16	0.0	7.21	1323.37	1.23	59.26	0.10	4.52
		4.52	0.10	0.0	0.0	175.0	7.21	1253.21	1.23	59.26	2.24	2259.03
169	1	332.19	0.0	-8.18e-04	0.0	0.0	0.0	-196.72	0.0	69.28	0.0	332.19
		-12.08	0.0	0.0	0.0	175.0	0.0	-196.72	0.0	69.28	0.0	-12.08
169	2	681.32	0.45	-2.60e-03	0.0	0.0	0.12	-395.47	-0.36	20.32	0.45	681.32
		-10.74	-0.19	0.0	0.0	175.0	0.12	-395.47	-0.36	20.32	-0.19	-10.74
169	3	2682.91	0.60	-9.00e-03	-70.16	0.0	0.17	-1522.36	-0.49	190.24	0.60	2682.91
		-42.63	-0.25	0.0	0.0	175.0	0.17	-1592.53	-0.49	190.24	-0.25	-42.63
170	1	106.13	0.0	-6.15e-04	0.0	0.0	0.0	-51.76	0.0	10.26	0.0	106.13
		15.56	0.0	0.0	0.0	175.0	0.0	-51.76	0.0	10.26	0.0	15.56
170	2	701.52	0.11	-2.42e-03	0.0	0.0	-0.23	-409.10	-0.08	52.46	0.11	701.52
		-14.40	-0.03	0.0	0.0	175.0	-0.23	-409.10	-0.08	52.46	-0.03	-14.40
170	3	2198.91	0.15	-8.28e-03	-70.16	0.0	-0.31	-1213.49	-0.11	98.11	0.15	2198.91
		13.90	-0.04	0.0	0.0	175.0	-0.31	-1283.66	-0.11	98.11	-0.04	13.90
171	1	154.09	0.0	-6.74e-04	0.0	0.0	0.0	-81.05	0.0	-28.03	0.0	154.09
		12.24	0.0	0.0	0.0	175.0	0.0	-81.05	0.0	-28.03	0.0	12.24
171	2	546.31	0.26	-1.99e-03	0.0	0.0	0.04	-313.88	0.52	85.99	-0.65	546.31
		-2.98	-0.65	0.0	0.0	175.0	0.04	-313.88	0.52	85.99	0.26	-2.98
171	3	2061.31	0.35	-7.79e-03	-70.16	0.0	0.05	-1128.90	0.70	62.14	-0.88	2061.31
		24.34	-0.88	0.0	0.0	175.0	0.05	-1199.06	0.70	62.14	0.35	24.34
172	1	383.63	0.0	-9.40e-04	0.0	0.0	0.0	-228.21	0.0	-76.43	0.0	383.63
		-15.72	0.0	0.0	0.0	175.0	0.0	-228.21	0.0	-76.43	0.0	-15.72
172	2	310.84	0.23	-1.51e-03	0.0	0.0	0.07	-161.55	-0.07	84.51	0.23	310.84
		28.13	0.10	0.0	0.0	175.0	0.07	-161.55	-0.07	84.51	0.10	28.13
172	3	2259.93	0.31	-7.71e-03	-70.16	0.0	0.09	-1253.80	-0.10	-59.44	0.31	2259.93
		4.38	0.13	0.0	0.0	175.0	0.09	-1323.97	-0.10	-59.44	0.13	4.38

Trave	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	N	V 2	V 3	T
	-42.63	-4.79	-0.01	-100.23	-19.33	-1592.53	-2.87	-188.16
	1.098e+04	3.42	1.10e-06	0.0	46.49	1597.05	1.84	190.24